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THE OXFORD-DUDEN

Pictorial
English
Dictionary

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OXFORD REFERENCE
THE
OXFORD-DUDEN
PICTORIAL ENGLISH
DICTIONARY

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Foreword

THE OXFORD-DUDEN PICTORIAL ENGLISH DICTIONARY

There are certain kinds of words which are more readily illustrated by pictures than by text. The pictorial English Dictionary is a reference work which is designed to help the reader to understand the meaning of such words. It is a dictionary of pictorial English, and it is the only one of its kind. It is a dictionary of pictorial English, and it is the only one of its kind. It is a dictionary of pictorial English, and it is the only one of its kind.

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Foreword

This pictorial dictionary is based on the Oxford-Duden Pictorial German-English Dictionary published in 1980. It was produced by the German Section of the Oxford University Press Dictionary Department in cooperation with the Dudenredaktion of the Bibliographisches Institut, Mannheim, and with the assistance of various British companies, institutions, and specialists. Numerous modifications of the text and illustrations of the original work have been carried out, especially regarding the depiction of everyday objects and situations, in order to allow greater scope for the treatment of these objects and situations in the context of English-speaking countries.

There are certain kinds of information which can be conveyed more readily and clearly by pictures than by definitions and explanations alone: an illustration will help the reader to visualize the object denoted by the word and to form an impression of the way in which objects function in their own technical field or in the everyday life of English-speaking countries. The layout of the illustrations and the text will be particularly useful to the learner. Each double page of the dictionary contains a list of the vocabulary of a subject together with a picture illustrating this vocabulary. This arrangement, and the presence of an alphabetical index, allows the book to be used in two ways: either as a key to the vocabulary of a subject or as an alphabetical dictionary in which the reader is referred to the section or sections in which the word is illustrated.

Oxford, 1981

J.P.

Abbreviations

Am.	American usage
c.	castrated (animal)
coll.	colloquial
f.	female (animal)
form.	formerly
joc.	jocular
m.	male (animal)
poet.	poetic
sg.	singular
sim.	similar
y.	young (animal)

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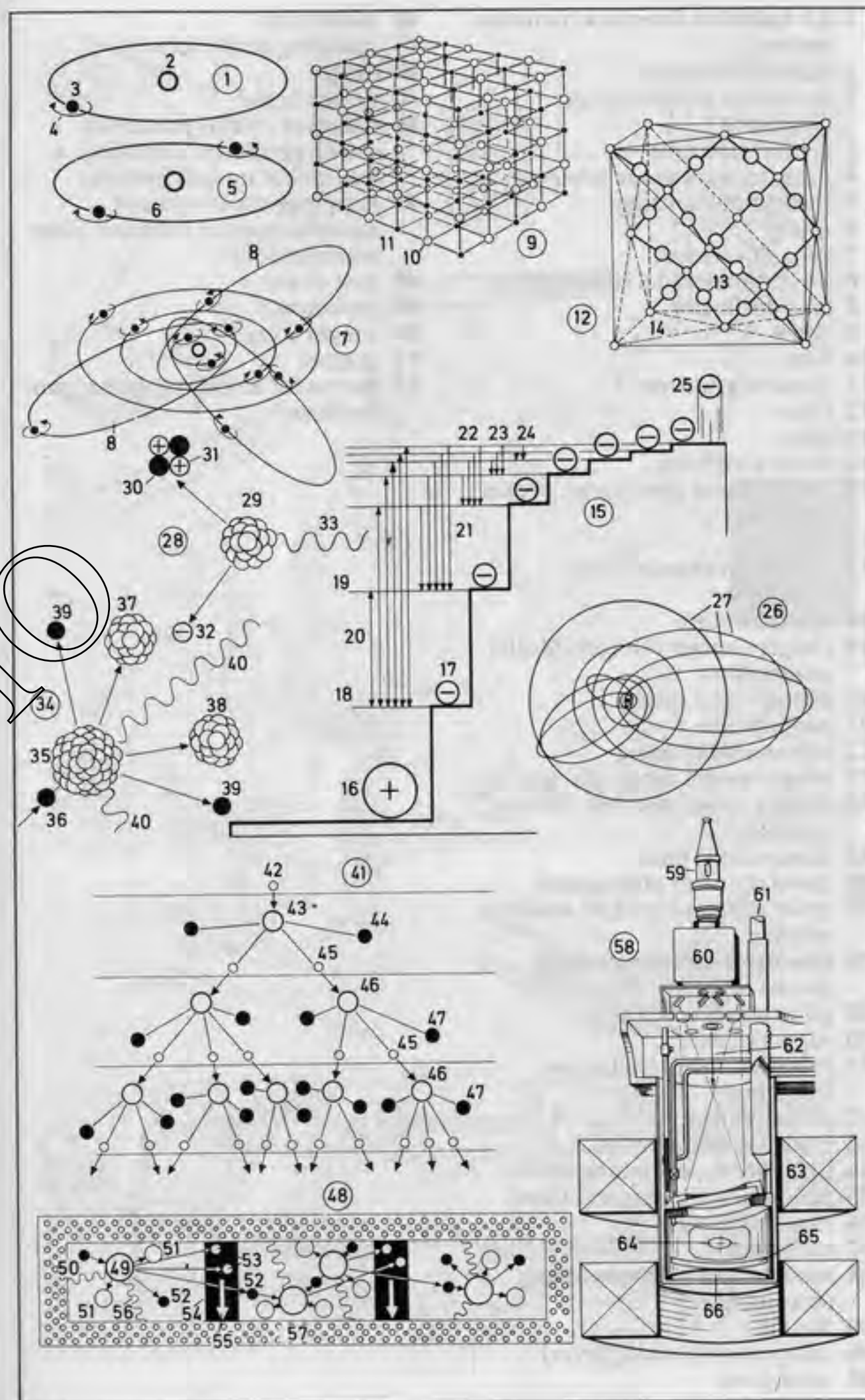
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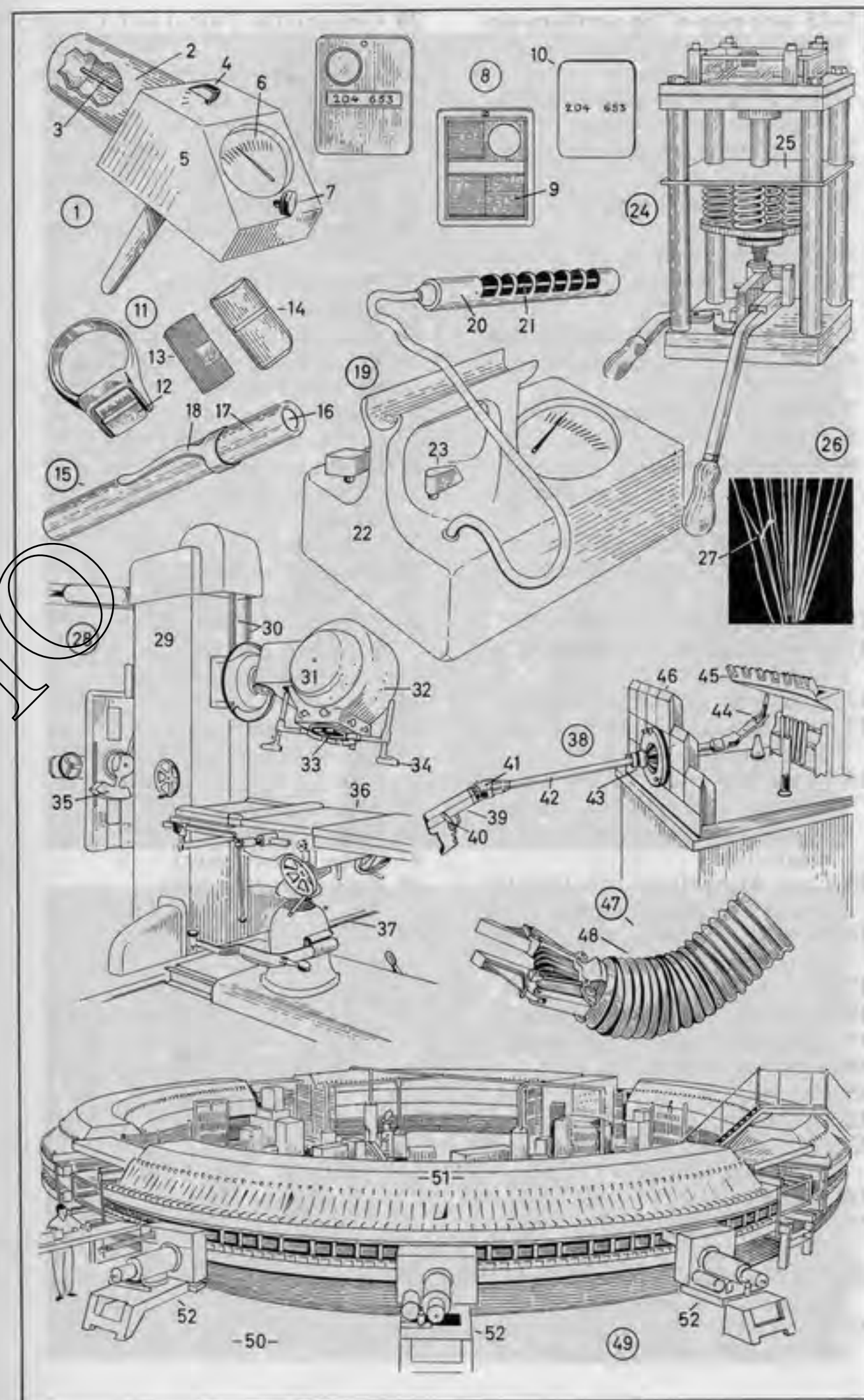
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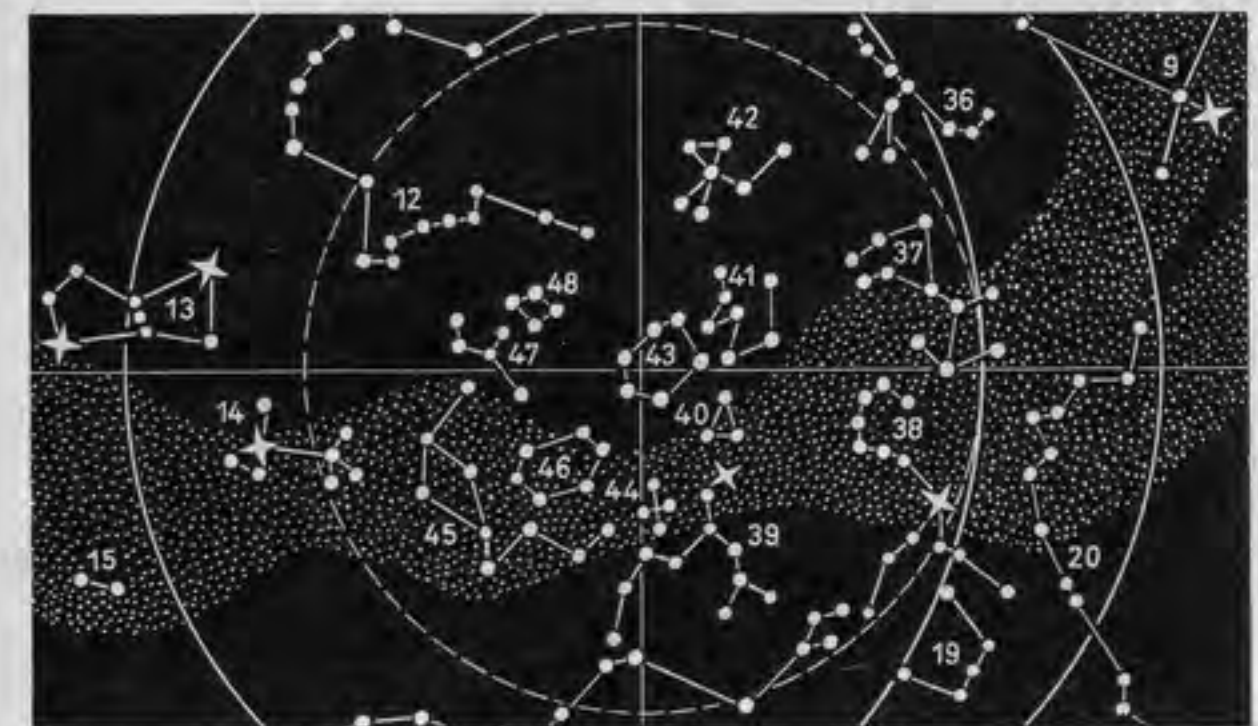
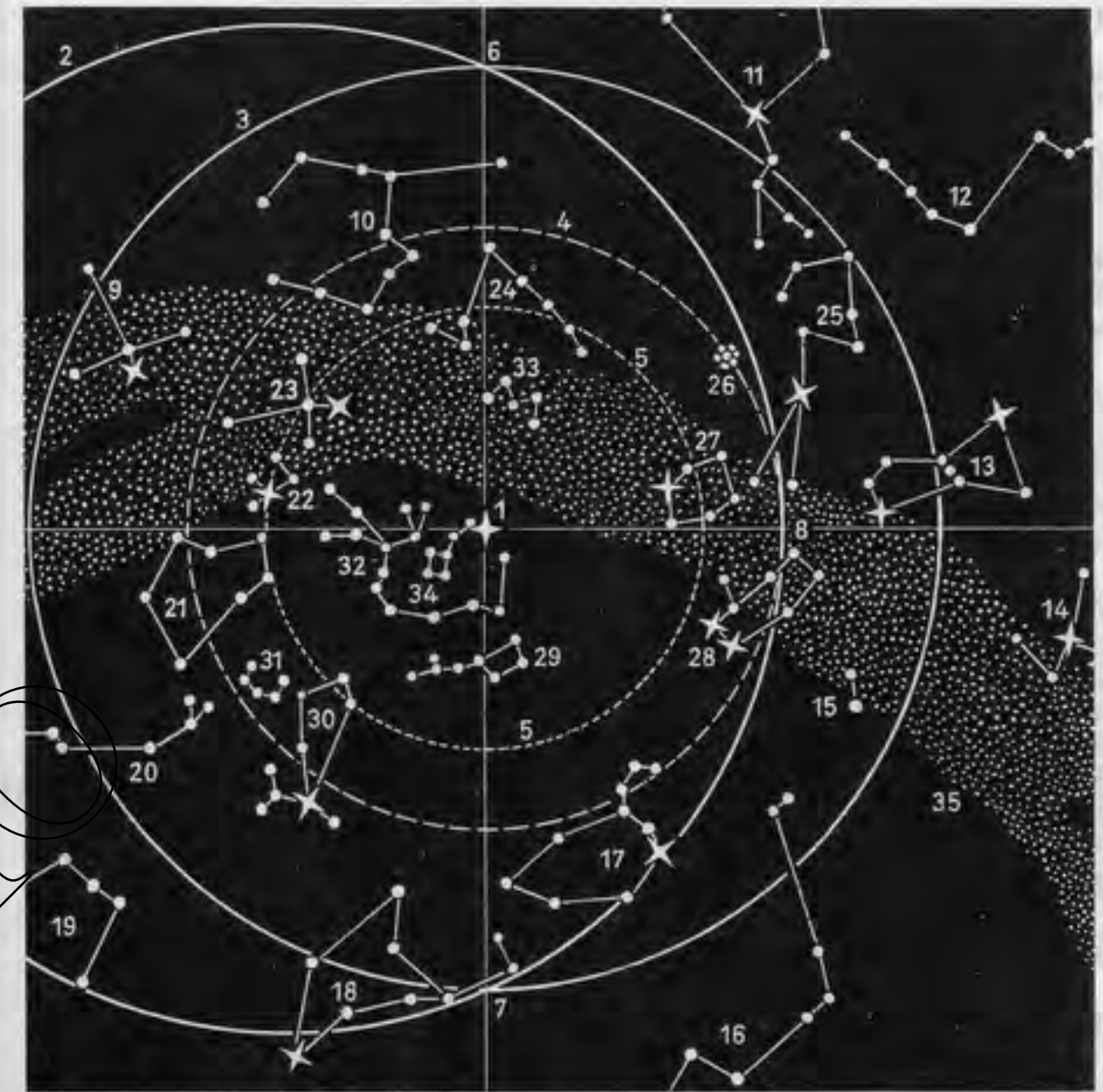


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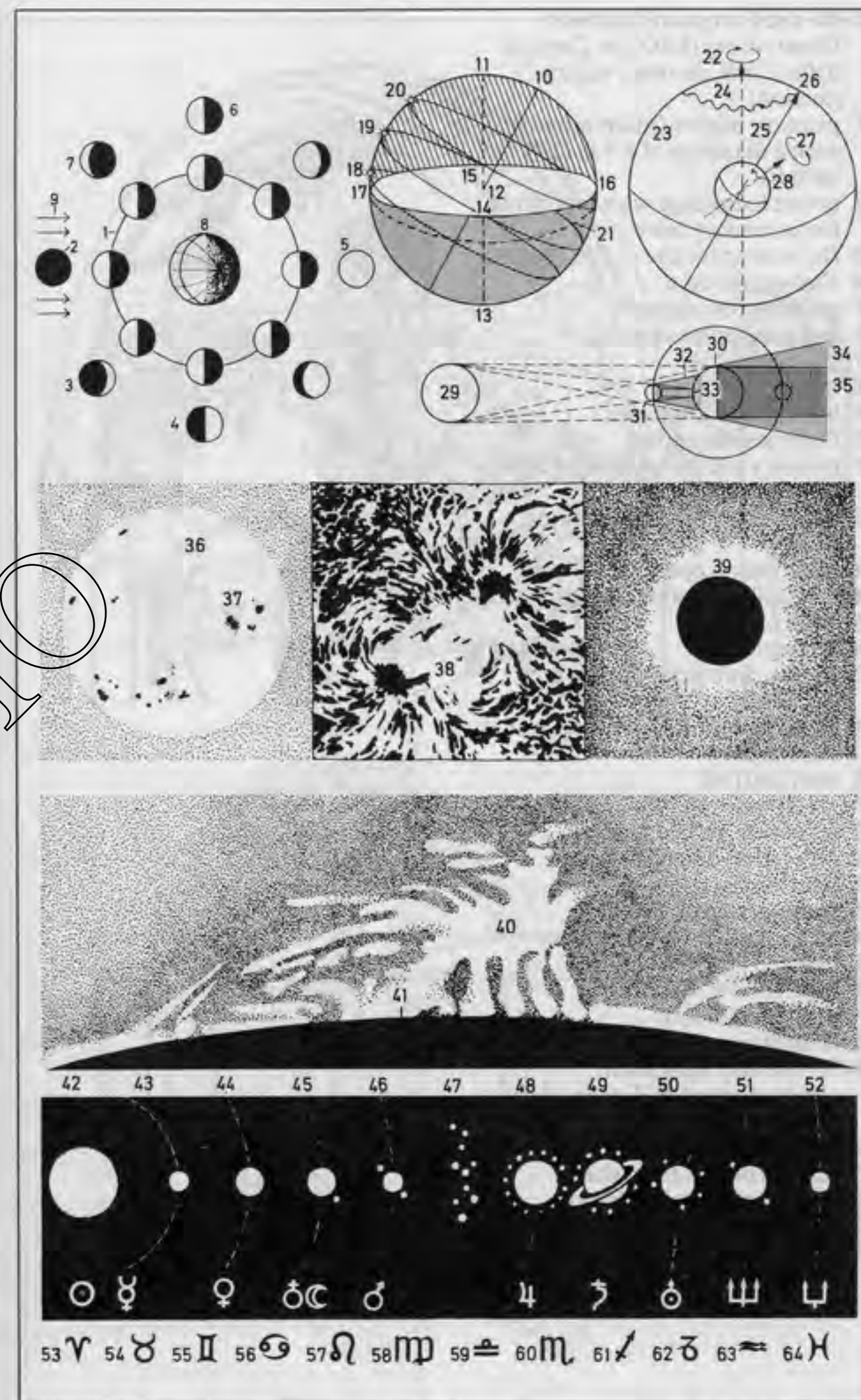
- 42 master arm
 43 clamping device (clamp)
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 47 grasping arm of a pair of manipulators (of a master/slave manipulator)
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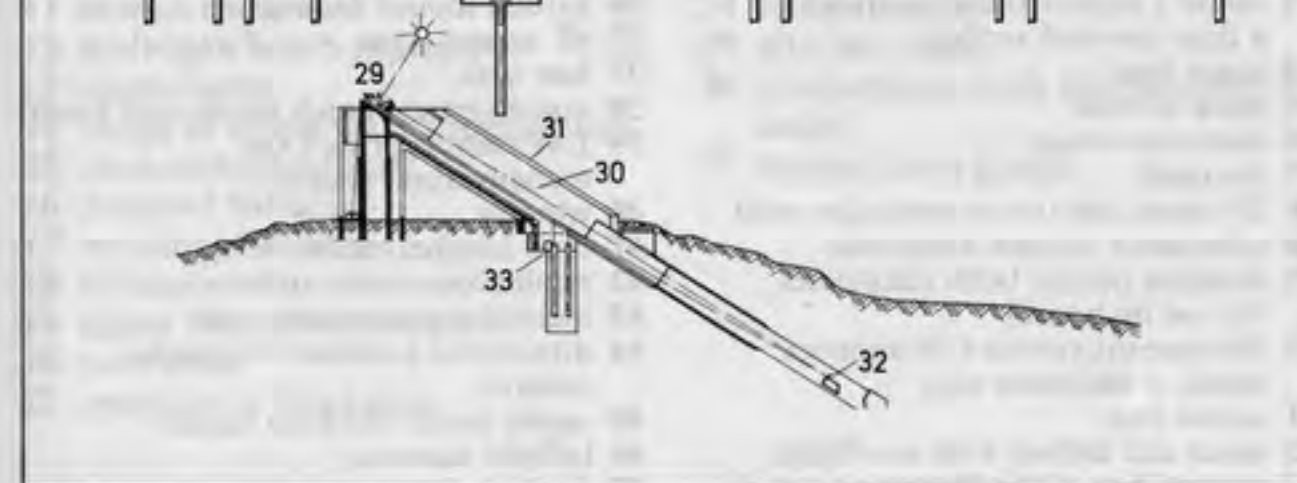
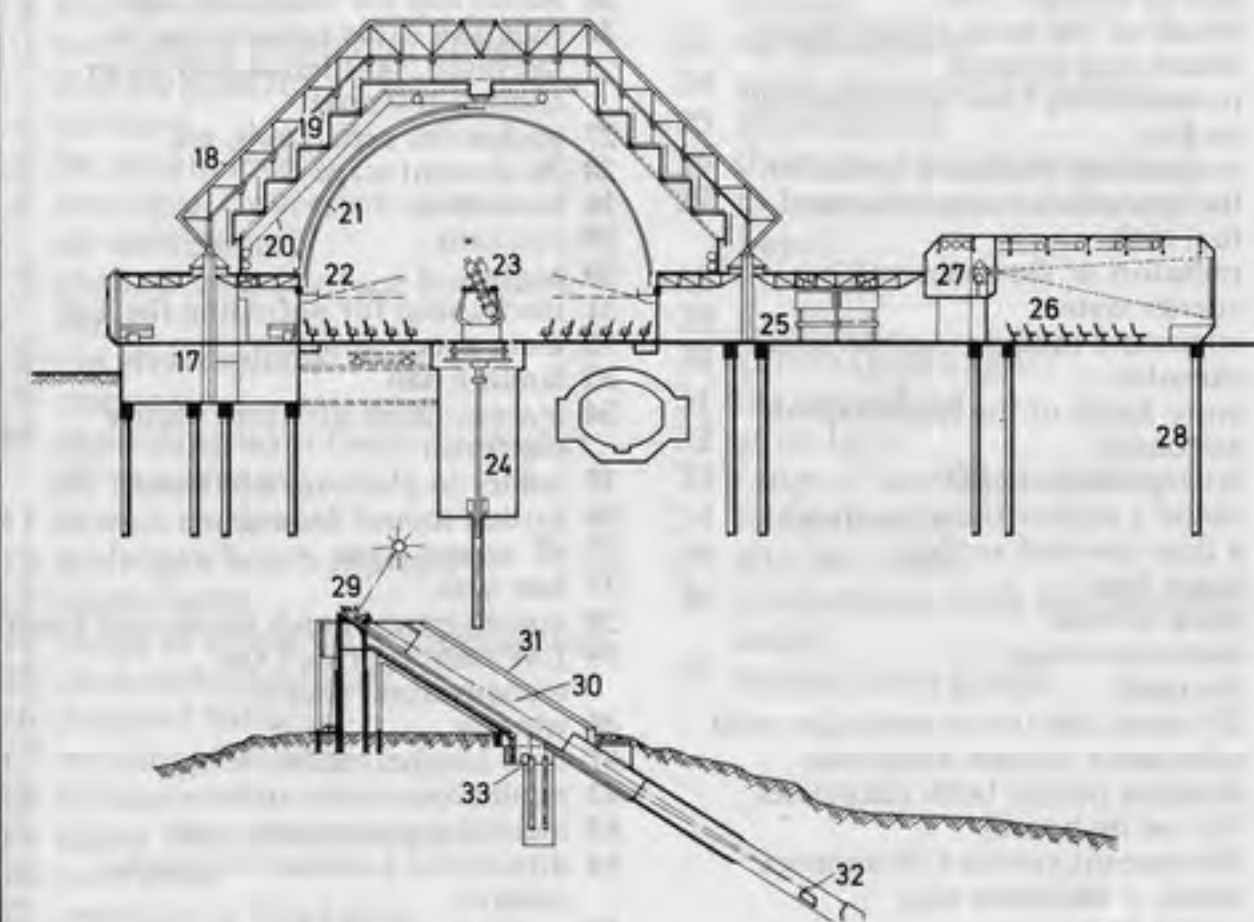
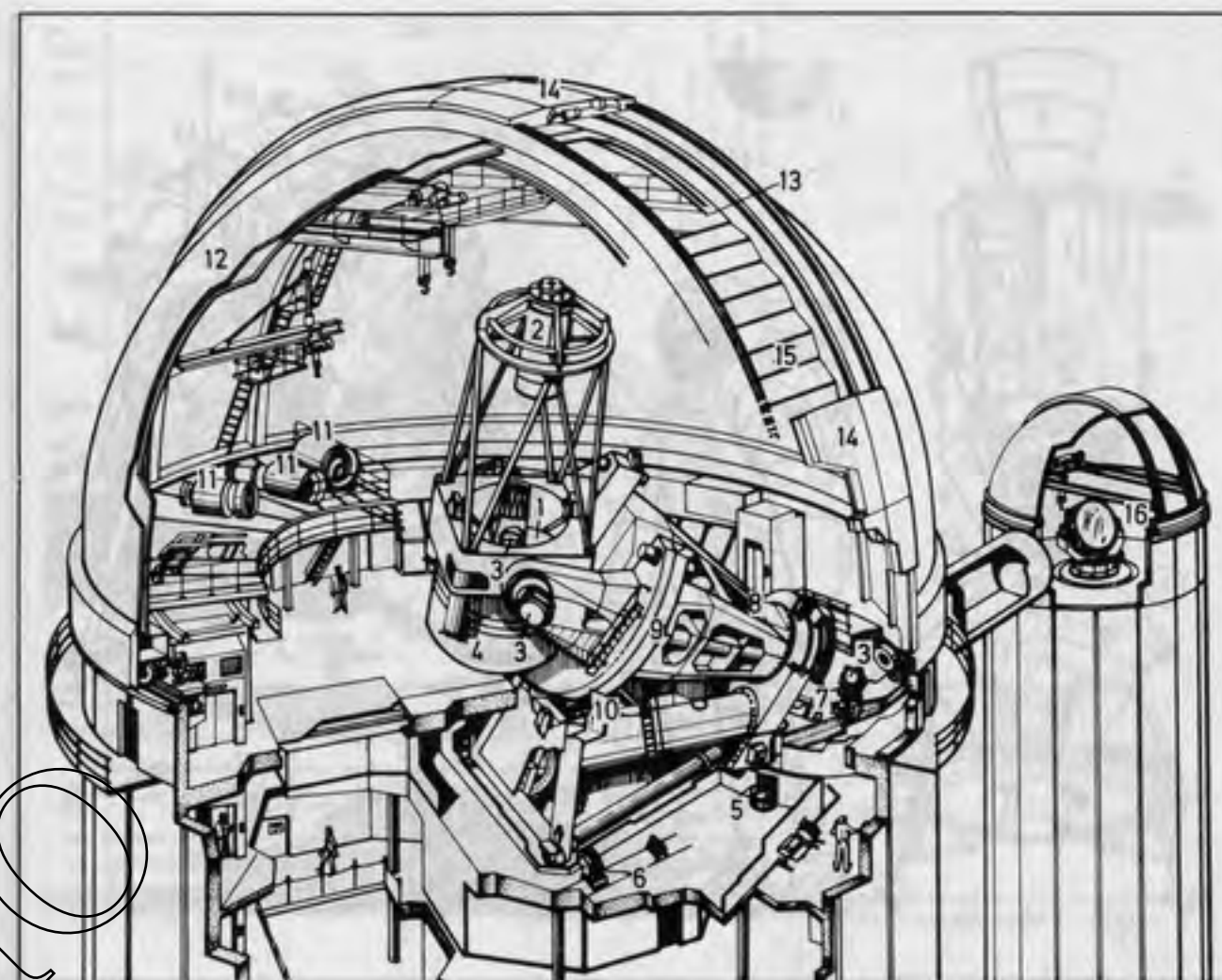
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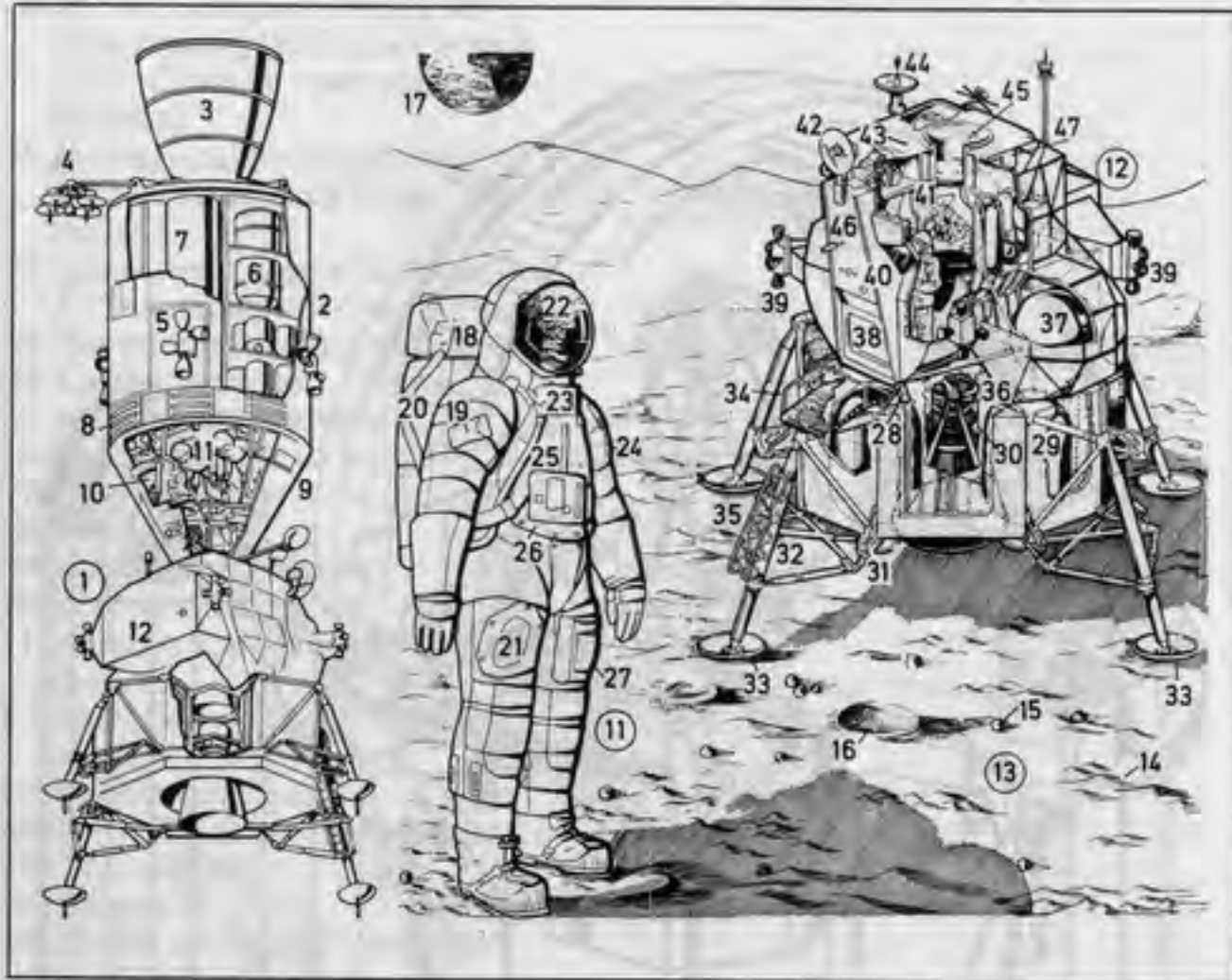


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- 60 Scorpio (the Scorpion)
- 61 Sagittarius (the Archer)
- 62 Capricorn (the Goat, the Sea Goat)
- 63 Aquarius (the Water Carrier, the Water Bearer)
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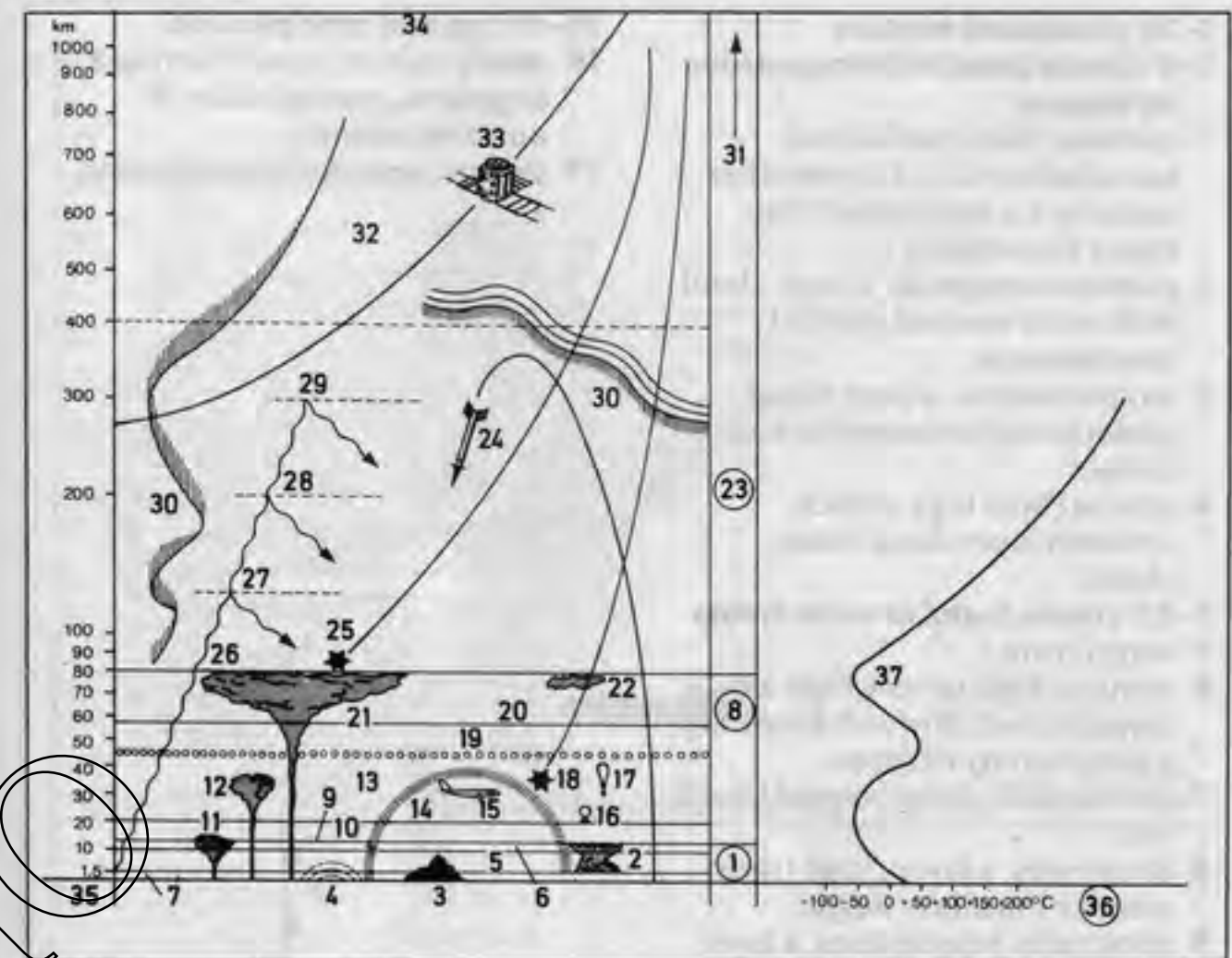


- 1-16 the European Southern Observatory (ESO) on *Cerro la Silla, Chile*, an observatory [section]
- 1 primary mirror (main mirror) with a diameter of 3.6 m (144 inches)
 - 2 prime focus cage with mounting for secondary mirrors
 - 3 flat mirror for the coudé ray path
 - 4 Cassegrain cage
 - 5 grating spectrograph
 - 6 spectrographic camera
 - 7 hour axis drive
 - 8 hour axis
 - 9 horseshoe mounting
 - 10 hydrostatic bearing
 - 11 primary and secondary focusing devices
 - 12 observatory dome (revolving dome)
 - 13 observation opening
 - 14 vertically movable dome shutter
 - 15 wind screen
 - 16 siderostat
- 17-28 the *Stuttgart Planetarium* [section]
- 17 administration, workshop, and store area
 - 18 steel scaffold
 - 19 glass pyramid
 - 20 revolving arched ladder
 - 21 projection dome
 - 22 light stop
 - 23 planetarium projector
 - 24 well
 - 25 foyer
 - 26 theatre (*Am. theater*)
 - 27 projection booth
 - 28 foundation pile
- 29-33 the *Kitt Peak solar observatory near Tucson, Ariz.* [section]
- 29 heliostat
 - 30 sunken observation shaft
 - 31 water-cooled windshield
 - 32 concave mirror
 - 33 observation room housing the spectrograph





- 1 Apollo spacecraft
- 2 service module (SM)
- 3 nozzle of the main rocket engine
- 4 directional antenna
- 5 manoeuvring (*Am.* maneuvering) rockets
- 6 oxygen and hydrogen tanks for the spacecraft's energy system
- 7 fuel tank
- 8 radiators of the spacecraft's energy system
- 9 command module (Apollo space capsule)
- 10 entry hatch of the space capsule
- 11 astronaut
- 12 lunar module (LM)
- 13 moon's surface (lunar surface), a dust-covered surface
- 14 lunar dust
- 15 piece of rock
- 16 meteorite crater
- 17 the earth
- 18-27 space suit (extra-vehicular suit)
- 18 emergency oxygen apparatus
- 19 sunglass pocket [with sunglasses for use on board]
- 20 life support system (life support pack), a backpack unit
- 21 access flap
- 22 space suit helmet with sun filters
- 23 control box of the life support pack
- 24 penlight pocket
- 25 access flap for the purge valve
- 26 tube and cable connections for the radio, ventilation, and water-cooling systems
- 27 pocket for pens, tools, etc.
- 28-36 descent stage
- 28 connector
- 29 fuel tank
- 30 engine
- 31 mechanism for unfolding the legs
- 32 main shock absorber
- 33 landing pad
- 34 ingress/egress platform (hatch platform)
- 35 ladder to platform and hatch
- 36 cardan mount for engine
- 37-47 ascent stage
- 37 fuel tank
- 38 ingress/egress hatch (entry/exit hatch)
- 39 LM manoeuvring (*Am.* maneuvering) rockets
- 40 window
- 41 crew compartment
- 42 rendezvous radar antenna
- 43 inertial measurement unit
- 44 directional antenna for ground control
- 45 upper hatch (docking hatch)
- 46 inflight antenna
- 47 docking target recess



- 1 the troposphere
- 2 thunderclouds
- 3 the highest mountain, *Mount Everest* [8,882m]
- 4 rainbow
- 5 jet stream level
- 6 zero level (inversion of vertical air movement)
- 7 ground layer (surface boundary layer)
- 8 the stratosphere
- 9 tropopause
- 10 separating layer (layer of weaker air movement)
- 11 atomic explosion
- 12 hydrogen bomb explosion
- 13 ozone layer
- 14 range of sound wave propagation
- 15 stratosphere aircraft
- 16 manned balloon
- 17 sounding balloon
- 18 meteor
- 19 upper limit of ozone layer
- 20 zero level
- 21 eruption of Krakatoa
- 22 luminous clouds (noctilucent clouds)
- 23 the ionosphere
- 24 range of research rockets
- 25 shooting star
- 26 short wave (high frequency)
- 27 E-layer (Heaviside-Kennelly Layer)
- 28 F₁-layer
- 29 F₂-layer
- 30 aurora (polar light)
- 31 the exosphere
- 32 atom layer
- 33 range of satellite sounding
- 34 fringe region
- 35 altitude scale
- 36 temperature scale (thermometric scale)
- 37 temperature graph

1-19 clouds and weather

1-4 clouds found in homogeneous air masses

- 1 cumulus (woolpack cloud, cumulus humilis, fair-weather cumulus), a heap cloud (flat-based heap cloud)
- 2 cumulus congestus, a heap cloud with more marked vertical development
- 3 stratocumulus, a layer cloud (sheet cloud) arranged in heavy masses
- 4 stratus (high fog), a thick, uniform layer cloud (sheet cloud)

5-12 clouds found at warm fronts

- 5 warm front
- 6 cirrus, a high to very high ice-crystal cloud, thin and assuming a wide variety of forms
- 7 cirrostratus, an ice-crystal cloud veil
- 8 altostratus, a layer cloud (sheet cloud) of medium height
- 9 altostratus praecipitans, a layer cloud (sheet cloud) with precipitation in its upper parts
- 10 nimbostratus, a rain cloud, a layer cloud (sheet cloud) of very large vertical extent which produces precipitation (rain or snow)

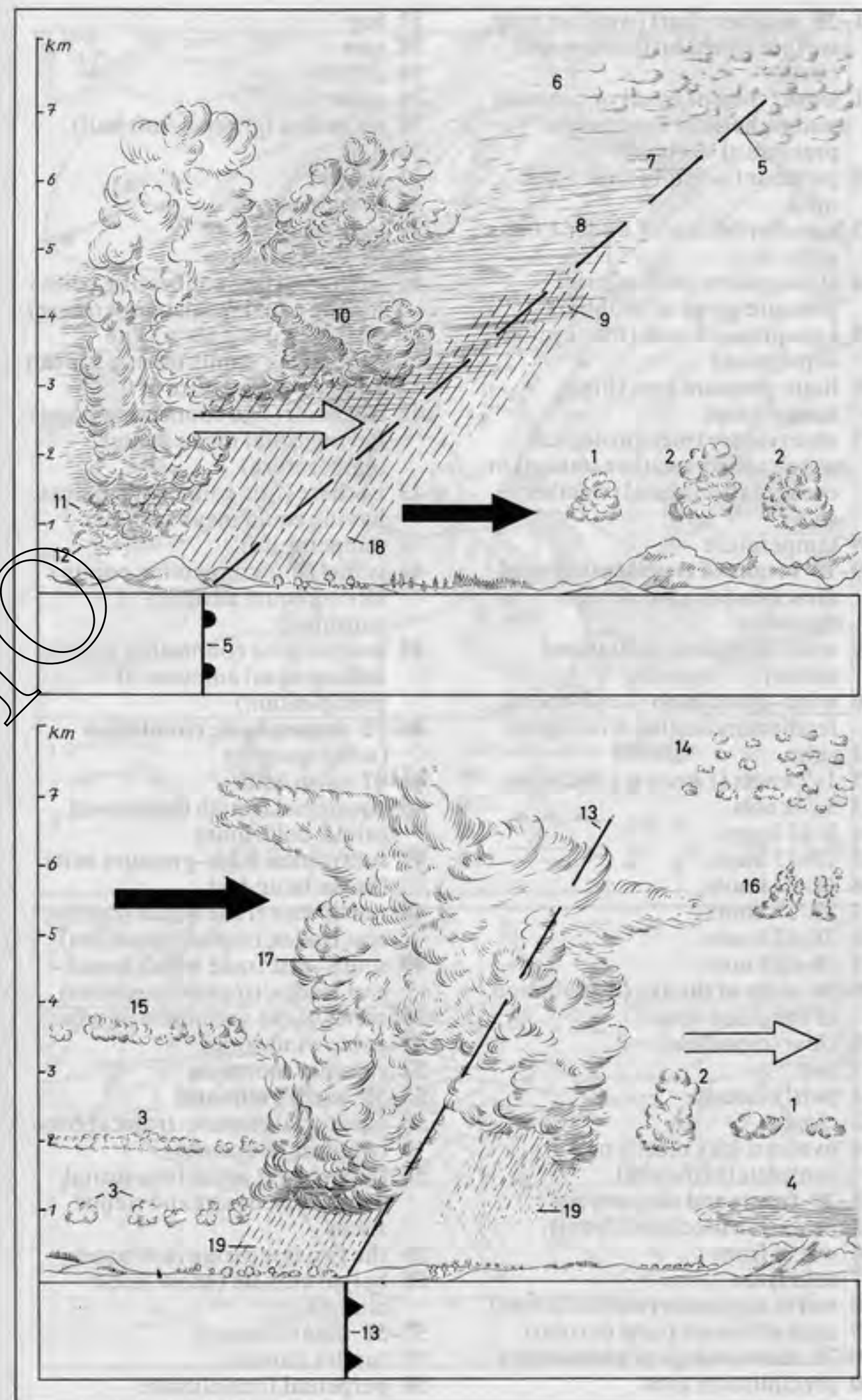
- 11 fractostratus, a ragged cloud occurring beneath nimbostratus
- 12 fractocumulus, a ragged cloud like 11 but with billowing shapes

13-17 clouds at cold fronts

- 13 cold front
- 14 cirrocumulus, thin fleecy cloud in the form of globular masses; covering the sky: mackerel sky
- 15 altocumulus, a cloud in the form of large globular masses
- 16 altocumulus castellanus and altocumulus floccus, species of 15
- 17 cumulonimbus, a heap cloud of very large vertical extent, to be classified under 1-4 in the case of tropical storms

18-19 types of precipitation

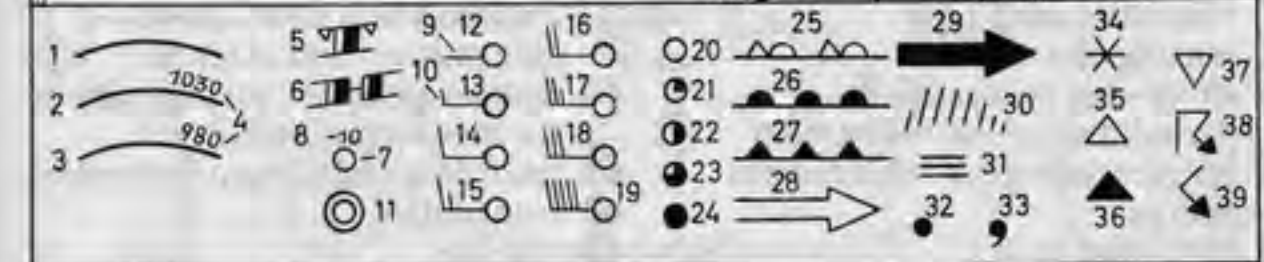
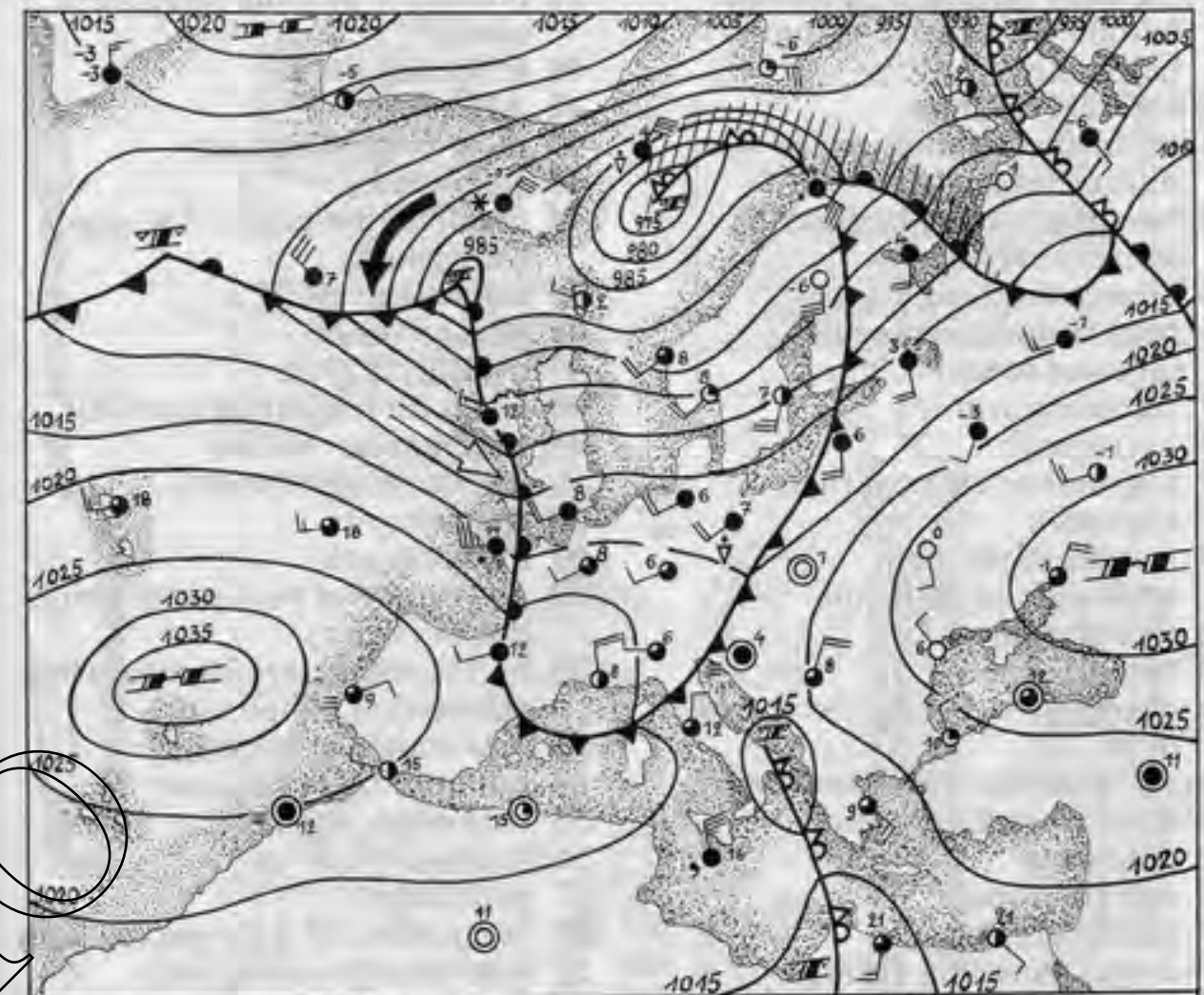
- 18 steady rain or snow covering a large area, precipitation of uniform intensity
- 19 shower, scattered precipitation



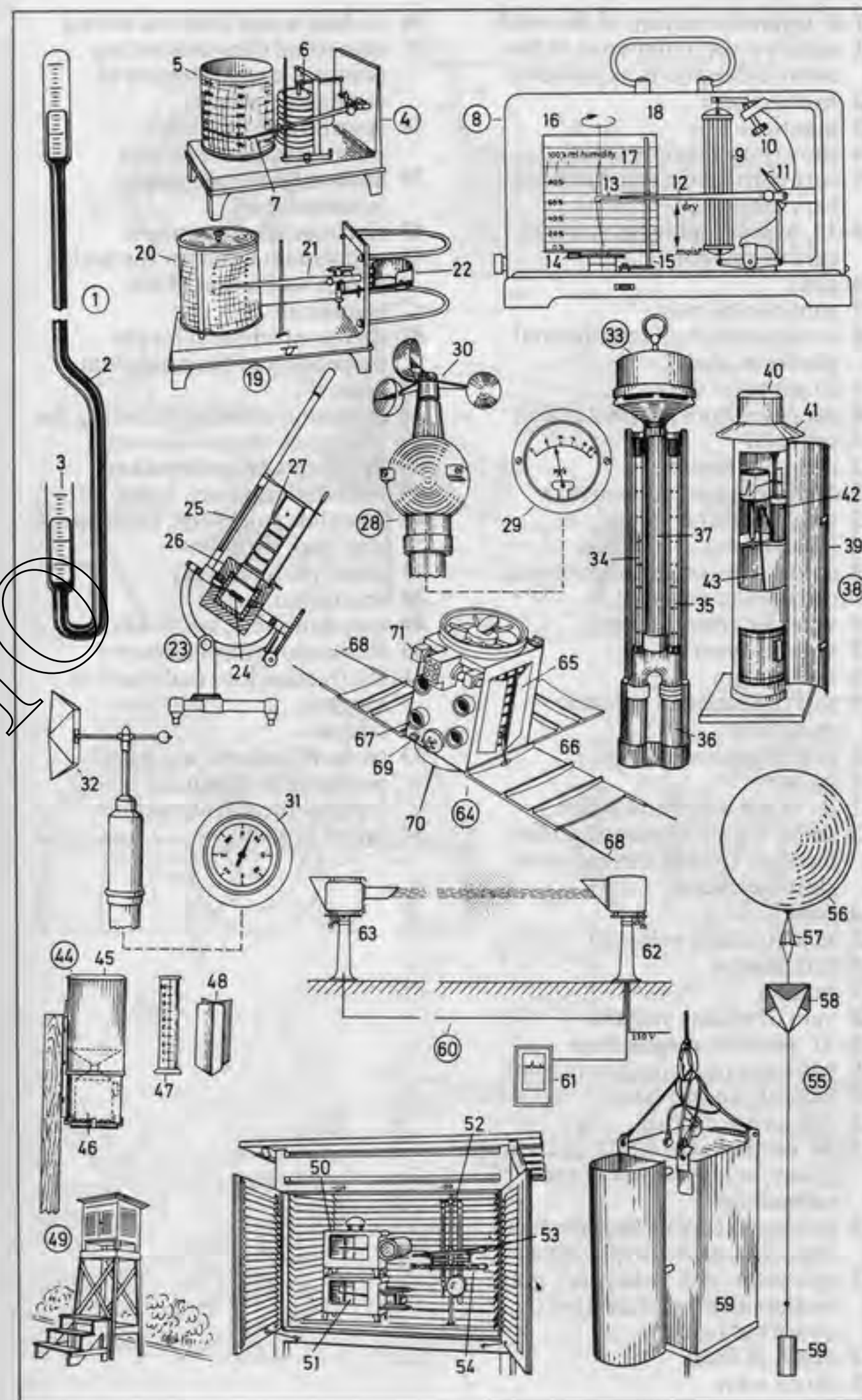
black arrow = cold air white arrow = warm air

- 1-39 weather chart (weather map, surface chart, surface synoptic chart)
- 1 isobar (line of equal or constant atmospheric or barometric pressure at sea level)
- 2 pleiobar (isobar of over 1,000 mb)
- 3 meiobar (isobar of under 1,000 mb)
- 4 atmospheric (barometric) pressure given in millibars
- 5 low-pressure area (low, cyclone, depression)
- 6 high-pressure area (high, anticyclone)
- 7 observatory (meteorological watch office, weather station) or ocean station vessel (weather ship)
- 8 temperature
- 9-19 means of representing wind direction (wind-direction symbols)
- 9 wind-direction shaft (wind arrow)
- 10 wind-speed barb (wind-speed feather) indicating wind speed
- 11 calm
- 12 1-2 knots (1 knot = 1.852 kph)
- 13 3-7 knots
- 14 8-12 knots
- 15 13-17 knots
- 16 18-22 knots
- 17 23-27 knots
- 18 28-32 knots
- 19 58-62 knots
- 20-24 state of the sky (distribution of the cloud cover)
- 20 clear (cloudless)
- 21 fair
- 22 partly cloudy
- 23 cloudy
- 24 overcast (sky mostly or completely covered)
- 25-29 fronts and air currents
- 25 occlusion (occluded front)
- 26 warm front
- 27 cold front
- 28 warm airstream (warm current)
- 29 cold airstream (cold current)
- 30-39 meteorological phenomena
- 30 precipitation area

- 31 fog
- 32 rain
- 33 drizzle
- 34 snow
- 35 ice pellets (graupel, soft hail)
- 36 hail
- 37 shower
- 38 thunderstorm
- 39 lightning
- 40-58 climatic map
- 40 isotherm (line connecting points having equal mean temperature)
- 41 0 °C (zero) isotherm (line connecting points having a mean annual temperature of 0 °C)
- 42 isocheim (line connecting points having equal mean winter temperature)
- 43 isothere (line connecting points having equal mean summer temperature)
- 44 isohel (line connecting points having equal duration of sunshine)
- 45 isohyet (line connecting points having equal amounts of precipitation)
- 46-52 atmospheric circulation (wind systems)
- 46-47 calm belts
- 46 equatorial trough (equatorial calms, doldrums)
- 47 subtropical high-pressure belts (horse latitudes)
- 48 north-east trade winds (north-east trades, tropical easterlies)
- 49 south-east trade winds (south-east trades, tropical easterlies)
- 50 zones of the variable westerlies
- 51 polar wind zones
- 52 summer monsoon
- 53-58 earth's climates
- 53 equatorial climate: tropical zone (tropical rain zone)
- 54 the two arid zones (equatorial dry zones): desert and steppe zones
- 55 the two temperate rain zones
- 56 boreal climate (snow forest climate)
- 57-58 polar climates
- 57 tundra climate
- 58 perpetual frost climate

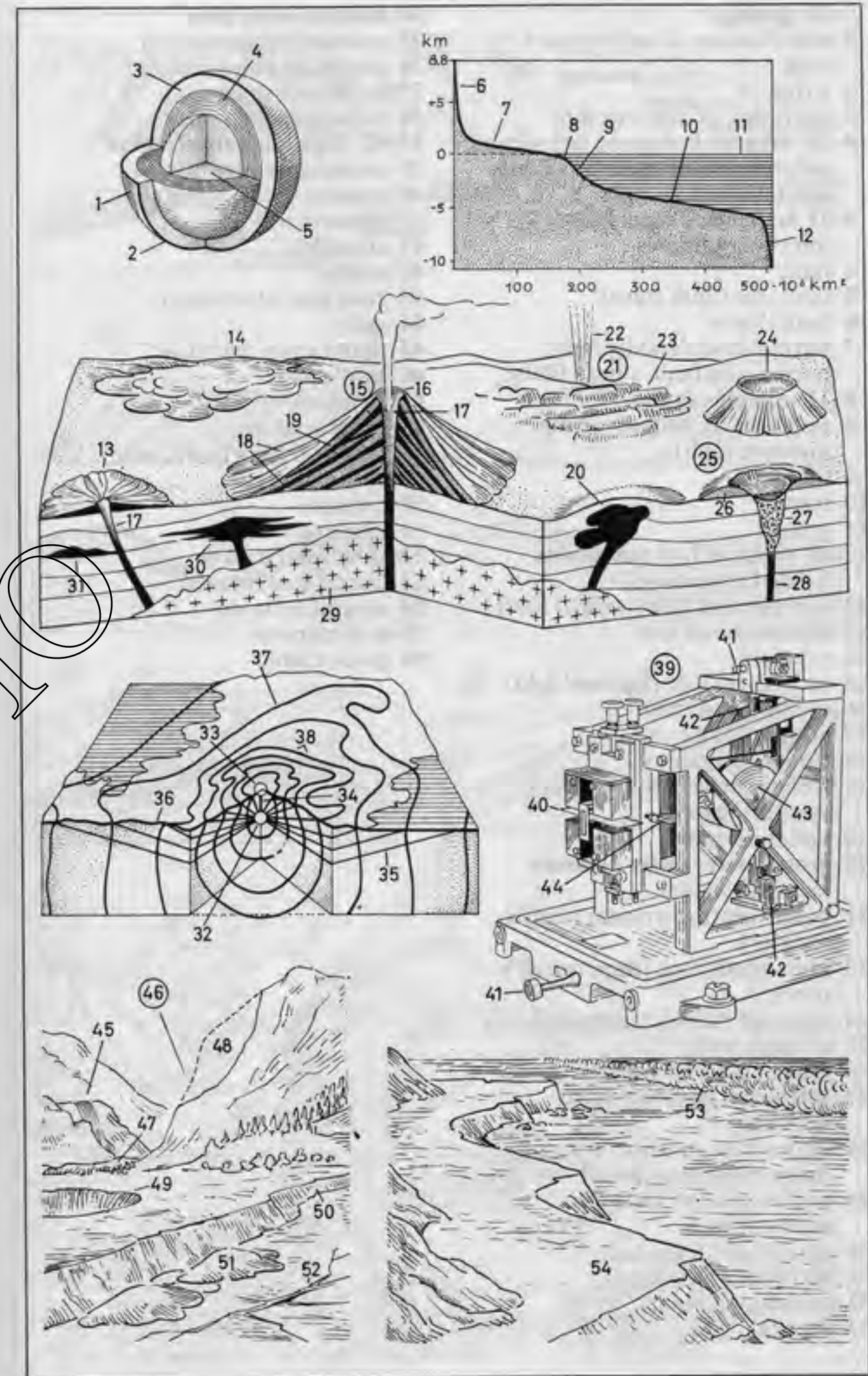


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|--|--|
| 1 mercury barometer, a siphon barometer, a liquid-column barometer | 39 protective housing (protective casing) |
| 2 mercury column | 40 collecting vessel |
| 3 millibar scale (millimetre, <i>Am.</i> millimeter, scale) | 41 rain cover |
| 4 barograph, a self-registering aneroid barometer | 42 recording mechanism |
| 5 drum (recording drum) | 43 siphon tube |
| 6 bank of aneroid capsules (aneroid boxes) | 44 precipitation gauge (<i>Am.</i> gage) (rain gauge) |
| 7 recording arm | 45 collecting vessel |
| 8 hygograph | 46 storage vessel |
| 9 hygrometer element (hair element) | 47 measuring glass |
| 10 reading adjustment | 48 insert for measuring snowfall |
| 11 amplitude adjustment | 49 thermometer screen (thermometer shelter) |
| 12 recording arm | 50 hygograph |
| 13 recording pen | 51 thermograph |
| 14 change gears for the clockwork drive | 52 psychrometer (wet and dry bulb thermometer) |
| 15 off switch for the recording arm | 53-54 thermometers for measuring extremes of temperature |
| 16 drum (recording drum) | 53 maximum thermometer |
| 17 time scale | 54 minimum thermometer |
| 18 case (housing) | 55 radiosonde assembly |
| 19 thermograph | 56 hydrogen balloon |
| 20 drum (recording drum) | 57 parachute |
| 21 recording arm | 58 radar reflector with spacing lines |
| 22 sensing element | 59 instrument housing with radiosonde (a short-wave transmitter) and antenna |
| 23 silver-disc (silver-disk) pyrheliometer, an instrument for measuring the sun's radiant energy | 60 transmissometer, an instrument for measuring visibility |
| 24 silver disc (disk) | 61 recording instrument (recorder) |
| 25 thermometer | 62 transmitter |
| 26 wooden insulating casing | 63 receiver |
| 27 tube with diaphragm (diaphragmed tube) | 64 weather satellite (ITOS satellite) |
| 28 wind gauge (<i>Am.</i> gage) (anemometer) | 65 temperature regulation flaps |
| 29 wind-speed indicator (wind-speed meter) | 66 solar panel |
| 30 cross arms with hemispherical cups | 67 television camera |
| 31 wind-direction indicator | 68 antenna |
| 32 wind vane | 69 solar sensor (sun sensor) |
| 33 aspiration psychrometer | 70 telemetry antenna |
| 34 dry bulb thermometer | 71 radiometer |
| 35 wet bulb thermometer | |
| 36 solar radiation shielding | |
| 37 suction tube | |
| 38 recording rain gauge (<i>Am.</i> gage) | |



- 1-5 layered structure of the earth
- 1 earth's crust (outer crust of the earth, lithosphere, oxysphere)
- 2 hydrosphere
- 3 mantle
- 4 sima (intermediate layer)
- 5 core (earth core, centrosphere, barysphere)
- 6-12 hypsographic curve of the earth's surface
- 6 peak
- 7 continental mass
- 8 continental shelf (continental platform, shelf)
- 9 continental slope
- 10 deep-sea floor (abyssal plane)
- 11 sea level
- 12 deep-sea trench
- 13-28 volcanism (vulcanicity)
- 13 shield volcano
- 14 lava plateau
- 15 active volcano, a stratovolcano (composite volcano)
- 16 volcanic crater (crater)
- 17 volcanic vent
- 18 lava stream
- 19 tuff (fragmented volcanic material)
- 20 subterranean volcano
- 21 geyser
- 22 jet of hot water and steam
- 23 sinter terraces (siliceous sinter terraces, fiorite terraces, pearl sinter terraces)
- 24 cone
- 25 maar (extinct volcano)
- 26 tuff deposit
- 27 breccia
- 28 vent of extinct volcano
- 29-31 plutonic magmatism
- 29 batholite (massive protrusion)
- 30 lacolith, an intrusion
- 31 sill, an ore deposit
- 32-38 earthquake (kinds: tectonic quake, volcanic quake) and seismology
- 32 earthquake focus (seismic focus, hypocentre, *Am.* hypocenter)
- 33 epicentre (*Am.* epicenter), point on the earth's surface directly above the focus
- 34 depth of focus
- 35 shock wave

- 36 surface waves (seismic waves)
- 37 isoseismal (line connecting points of equal intensity of earthquake shock)
- 38 epicentral area (area of macroseismic vibration)
- 39 horizontal seismograph (seismometer)
- 40 electromagnetic damper
- 41 adjustment knob for the period of free oscillation of the pendulum
- 42 spring attachment for the suspension of the pendulum
- 43 mass
- 44 induction coils for recording the voltage of the galvanometer
- 45-54 effects of earthquakes
- 45 waterfall (cataract, falls)
- 46 landslide (rockslide, landslip, *Am.* rock slip)
- 47 talus (rubble, scree)
- 48 scar (scaur, scaw)
- 49 sink (sinkhole, swallowhole)
- 50 dislocation (displacement)
- 51 solifluction lobe (solifluction tongue)
- 52 fissure
- 53 tsunami (seismic sea wave) produced by seaquake (submarine earthquake)
- 54 raised beach



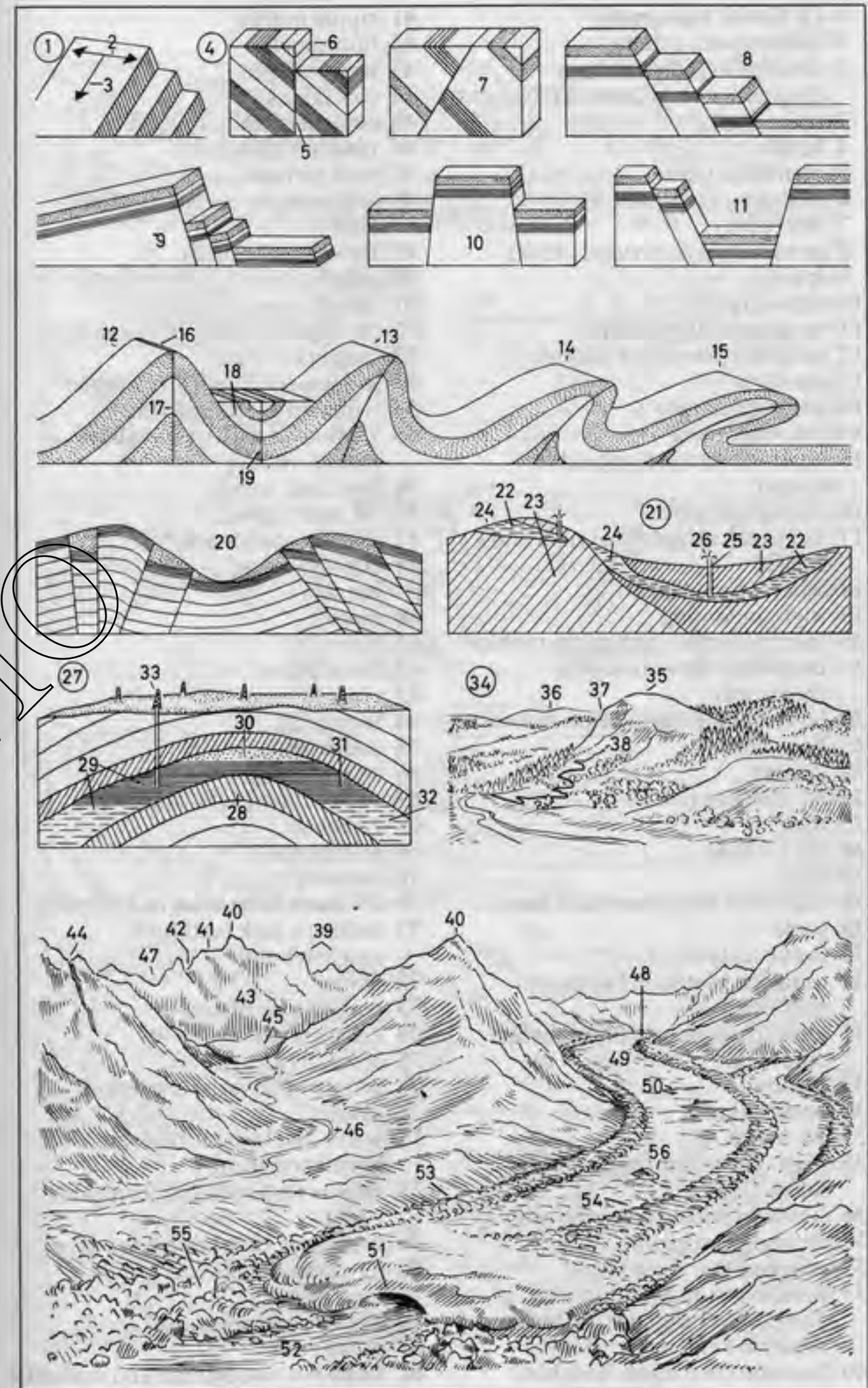
DEMO

1-33 geology

- 1 stratification of sedimentary rock
- 2 strike
- 3 dip (angle of dip, true dip)
- 4-20 orogeny (orogenesis, tectogenesis, deformation of rocks by folding and faulting)
- 4-11 fault-block mountains (block mountains)
- 4 fault
- 5 fault line (fault trace)
- 6 fault throw
- 7 normal fault (gravity fault, normal slip fault, slump fault)
- 8-11 complex faults
- 8 step fault (distributive fault, multiple fault)
- 9 tilt block
- 10 horst
- 11 graben
- 12-20 range of fold mountains (folded mountains)
- 12 symmetrical fold (normal fold)
- 13 asymmetrical fold
- 14 overfold
- 15 recumbent fold (reclined fold)
- 16 saddle (anticline)
- 17 anticlinal axis
- 18 trough (syncline)
- 19 trough surface (trough plane, synclinal axis)
- 20 anticlinorium
- 21 groundwater under pressure (artesian water)
- 22 water-bearing stratum (aquifer, aquafer)
- 23 impervious rock (impermeable rock)
- 24 drainage basin (catchment area)
- 25 artesian well
- 26 rising water, an artesian spring
- 27 petroleum reservoir in an anticline
- 28 impervious stratum (impermeable stratum)
- 29 porous stratum acting as reservoir rock
- 30 natural gas, a gas cap
- 31 petroleum (crude oil)
- 32 underlying water
- 33 derrick

34 mountainous area

- 35 rounded mountain top
- 36 mountain ridge (ridge)
- 37 mountain slope
- 38 hillside spring
- 39-47 high-mountain region
- 39 mountain range, a massif
- 40 summit (peak, top of the mountain)
- 41 shoulder
- 42 saddle
- 43 rock face (steep face)
- 44 gully
- 45 talus (scree, detritus)
- 46 bridle path
- 47 pass (col)
- 48-56 glacial ice
- 48 firn field (firn basin, nevé)
- 49 valley glacier
- 50 crevasse
- 51 glacier snout
- 52 subglacial stream
- 53 lateral moraine
- 54 medial moraine
- 55 end moraine
- 56 glacier table

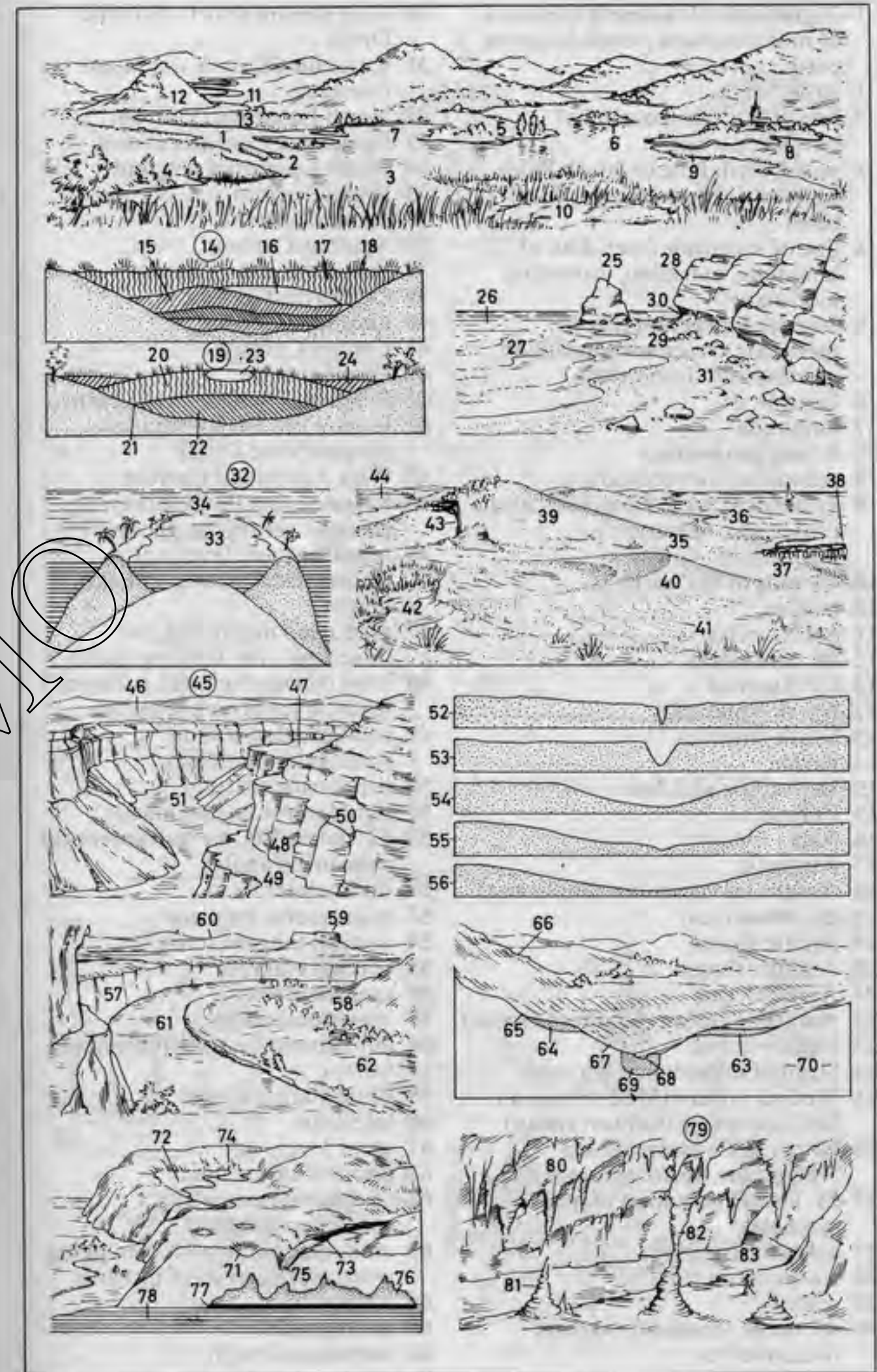


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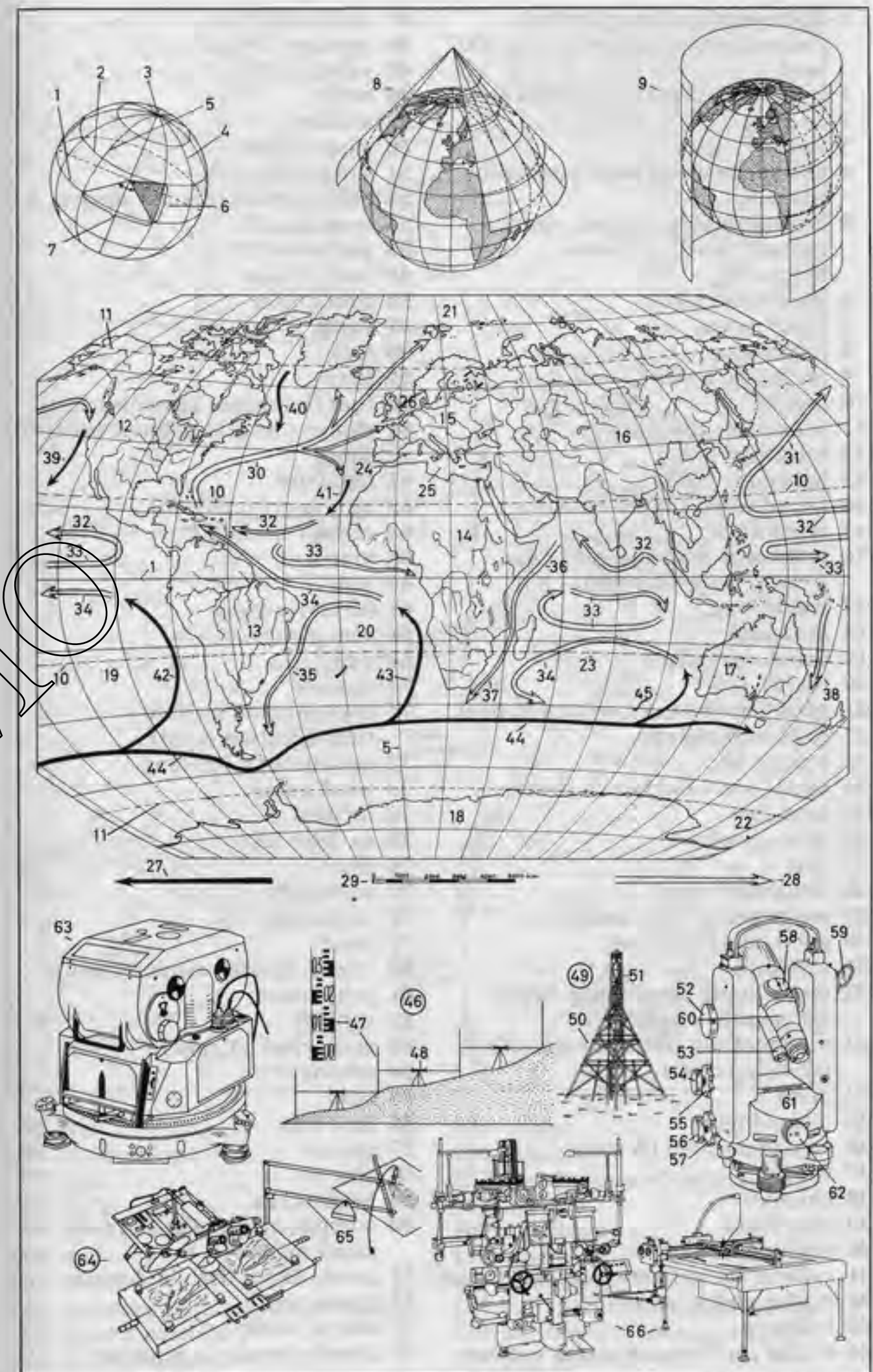
1-13 fluvial topography

- 1 river mouth, a delta
- 2 distributary (distributary channel), a river branch (river arm)
- 3 lake
- 4 bank
- 5 peninsula (spit)
- 6 island
- 7 bay (cove)
- 8 stream (brook, rivulet, creek)
- 9 levee
- 10 alluvial plain
- 11 meander (river bend)
- 12 meander core (rock island)
- 13 meadow
- 14-24 bog (marsh)
- 14 low-moor bog
- 15 layers of decayed vegetable matter
- 16 entrapped water
- 17 fen peat [consisting of rush and sedge]
- 18 alder-swamp peat
- 19 high-moor bog
- 20 layer of recent sphagnum mosses
- 21 boundary between layers (horizons)
- 22 layer of older sphagnum mosses
- 23 bog pool
- 24 swamp
- 25-31 cliffline (cliffs)
- 25 rock
- 26 sea (ocean)
- 27 surf
- 28 cliff (cliff face, steep rock face)
- 29 scree
- 30 [wave-cut] notch
- 31 abrasion platform (wave-cut platform)
- 32 atoll (ring-shaped coral reef), a coral reef
- 33 lagoon
- 34 breach (hole)
- 35-44 beach
- 35 high-water line (high-water mark, tidemark)
- 36 waves breaking on the shore
- 37 groyne (Am. groin)
- 38 groyne (Am. groin) head
- 39 wandering dune (migratory dune, travelling, Am. traveling dune), a dune
- 40 barchan (barchane, barkhan, crescentic dune)

- 41 ripple marks
- 42 hummock
- 43 wind cripple
- 44 coastal lake
- 45 canyon (cañon, coulee)
- 46 plateau (tableland)
- 47 rock terrace
- 48 sedimentary rock (stratified rock)
- 49 river terrace (bed)
- 50 joint
- 51 canyon river
- 52-56 types of valley [cross section]
- 52 gorge (ravine)
- 53 V-shaped valley (V-valley)
- 54 widened V-shaped valley
- 55 U-shaped valley (U-valley, trough valley)
- 56 synclinal valley
- 57-70 river valley
- 57 scarp (escarpment)
- 58 slip-off slope
- 59 mesa
- 60 ridge
- 61 river
- 62 flood plain
- 63 river terrace
- 64 terracette
- 65 pediment
- 66 hill
- 67 valley floor (valley bottom)
- 68 riverbed
- 69 sediment
- 70 bedrock
- 71-83 karst formation in limestone
- 71 dolina, a sink (sinkhole, swallowhole)
- 72 polje
- 73 percolation of a river
- 74 karst spring
- 75 dry valley
- 76 system of caverns (system of caves)
- 77 water level (water table) in a karst formation
- 78 impervious rock (impermeable rock)
- 79 limestone cave (dripstone cave)
- 80-81 speleothems (cave formations)
- 80 stalactite (dripstone)
- 81 stalagmite
- 82 linked-up stalagmite and stalactite
- 83 subterranean river



- 1-7 **graticule of the earth** (network of meridians and parallels on the earth's surface)
- 1 equator
 - 2 line of latitude (parallel of latitude, parallel)
 - 3 pole (North Pole or South Pole), a terrestrial pole (geographical pole)
 - 4 line of longitude (meridian of longitude, meridian, terrestrial meridian)
 - 5 Standard meridian (Prime meridian, Greenwich meridian, meridian of Greenwich)
 - 6 latitude
 - 7 longitude
- 8-9 **map projections**
- 8 conical (conic) projection
 - 9 cylindrical projection (Mercator projection, Mercator's projection)
- 10-45 **map of the world**
- 10 tropics
 - 11 polar circles
 - 12-18 **continents**
 - 12-13 America
 - 12 North America
 - 13 South America
 - 14 Africa
 - 15-16 Europe and Asia
 - 15 Europe
 - 16 Asia
 - 17 Australia
 - 18 Antarctica (Antarctic Continent)
 - 19-26 **ocean (sea)**
 - 19 Pacific Ocean
 - 20 Atlantic Ocean
 - 21 Arctic Ocean
 - 22 Antarctic Ocean (Southern Ocean)
 - 23 Indian Ocean
 - 24 Strait of Gibraltar, a sea strait
 - 25 Mediterranean (Mediterranean Sea, European Mediterranean)
 - 26 North Sea, a marginal sea (epeiric sea, epicontinental sea)
 - 27-29 **key (explanation of map symbols)**
 - 27 cold ocean current
 - 28 warm ocean current
 - 29 scale
 - 30-45 **ocean (oceanic) currents (ocean drifts)**
 - 30 Gulf Stream (North Atlantic Drift)
 - 31 Kuroshio (Kuro Siwo, Japan Current)
 - 32 North Equatorial Current
 - 33 Equatorial Countercurrent
 - 34 South Equatorial Current
 - 35 Brazil Current
 - 36 Somali Current
 - 37 Agulhas Current
 - 38 East Australian Current
 - 39 California Current
 - 40 Labrador Current
 - 41 Canary Current
 - 42 Peru Current
 - 43 Benguela (Benguella) Current
 - 44 West Wind Drift (Antarctic Circumpolar Drift)
 - 45 West Australian Current
- 46-62 **surveying (land surveying, geodetic surveying, geodesy)**
- 46 levelling (*Am.* leveling) (geometrical measurement of height)
 - 47 graduated measuring rod (levelling, *Am.* leveling, staff)
 - 48 level (surveying level, surveyor's level), a surveyor's telescope
 - 49 triangulation station (triangulation point)
 - 50 supporting scaffold
 - 51 signal tower (signal mast)
 - 52-62 **theodolite, an instrument for measuring angles**
 - 52 micrometer head
 - 53 micrometer eyepiece
 - 54 vertical tangent screw
 - 55 vertical clamp
 - 56 tangent screw
 - 57 horizontal clamp
 - 58 adjustment for the illuminating mirror
 - 59 illuminating mirror
 - 60 telescope
 - 61 spirit level
 - 62 circular adjustment
- 63-66 **photogrammetry (phototopography)**
- 63 air survey camera for producing overlapping series of pictures
 - 64 stereoscope
 - 65 pantograph
 - 66 stereoplanigraph

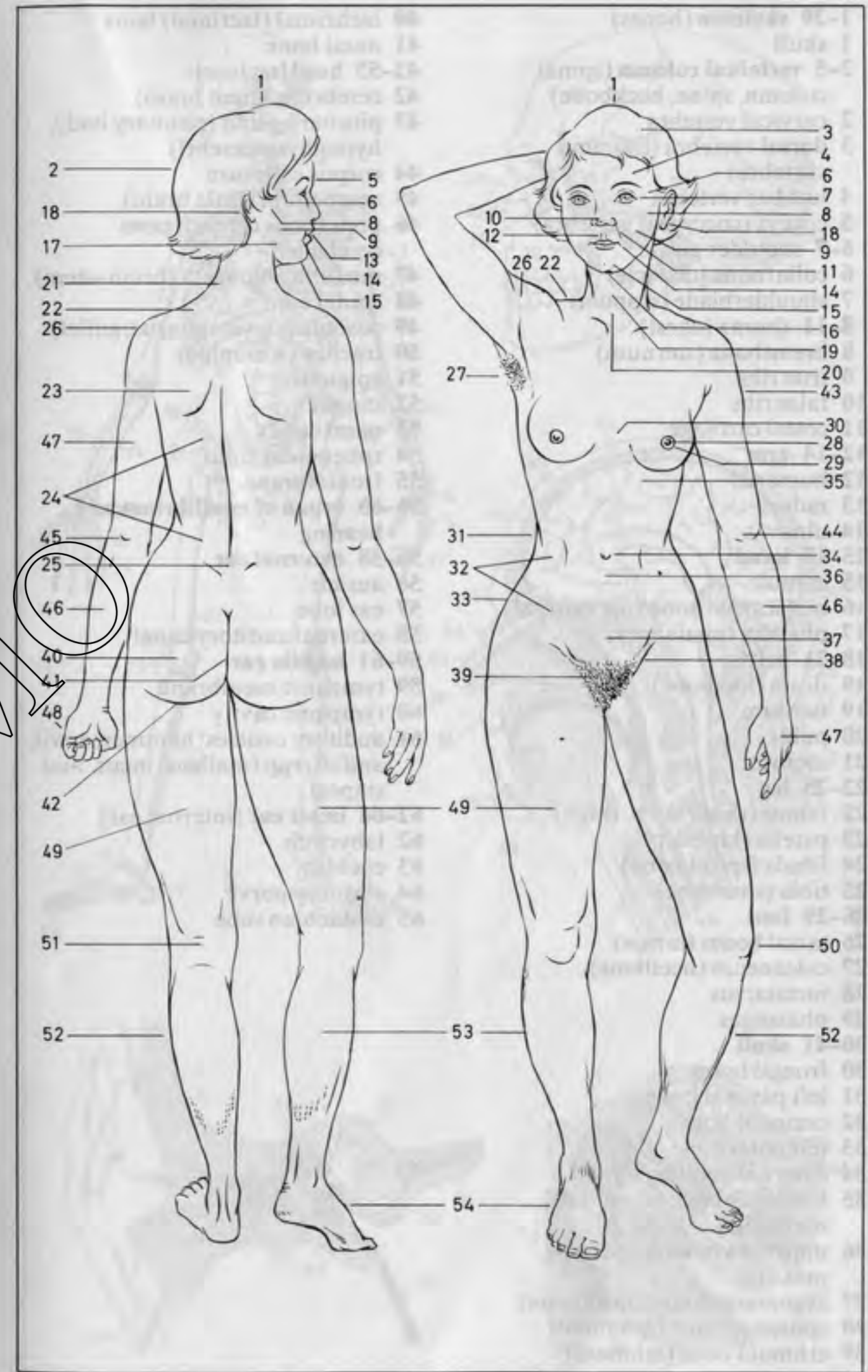


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| 1-114 map signs (map symbols, conventional signs) on a 1:25 000 map | 45 navigable river |
| 1 coniferous wood (coniferous trees) | 46 pontoon bridge |
| 2 clearing | 47 vehicle ferry |
| 3 forestry office | 48 mole |
| 4 deciduous wood (non-coniferous trees) | 49 beacon |
| 5 heath (rough grassland, rough pasture, heath and moor, bracken) | 50 stone bridge |
| 6 sand (sand hills) | 51 town (city) |
| 7 beach grass | 52 market place (market square) |
| 8 lighthouse | 53 large church |
| 9 mean low water | 54 public building |
| 10 beacon | 55 road bridge |
| 11 submarine contours | 56 iron bridge |
| 12 train ferry | 57 canal |
| 13 lightship | 58 lock |
| 14 mixed wood (mixed trees) | 59 jetty |
| 15 brushwood | 60 foot ferry (foot passenger ferry) |
| 16 motorway with slip road (Am. freeway with on-ramp) | 61 chapel (church) without tower or spire |
| 17 trunk road | 62 contours |
| 18 grassland | 63 monastery (convent) |
| 19 marshy grassland | 64 church landmark |
| 20 marsh | 65 vineyard |
| 21 main line railway (Am. trunk line) | 66 weir |
| 22 road over railway | 67 aerial ropeway |
| 23 branch line | 68 view point |
| 24 signal box (Am. switch tower) | 69 dam |
| 25 local line | 70 tunnel |
| 26 level crossing | 71 triangulation station (triangulation point) |
| 27 halt | 72 remains of a building |
| 28 residential area | 73 wind pump |
| 29 water gauge (Am. gage) | 74 fortress |
| 30 good, metalled road | 75 ox-bow lake |
| 31 windmill | 76 river |
| 32 thorn house (graduation house, salina, salt-works) | 77 watermill |
| 33 broadcasting station (wireless or television mast) | 78 footbridge |
| 34 mine | 79 pond |
| 35 disused mine | 80 stream (brook, rivulet, creek) |
| 36 secondary road (B road) | 81 water tower |
| 37 works | 82 spring |
| 38 chimney | 83 main road (A road) |
| 39 wire fence | 84 cutting |
| 40 bridge over railway | 85 cave |
| 41 railway station (Am. railroad station) | 86 lime kiln |
| 42 bridge under railway | 87 quarry |
| 43 footpath | 88 clay pit |
| 44 bridge for footpath under railway | 89 brickworks |
| | 90 narrow-gauge (Am. narrow gage) railway |
| | 91 goods depot (freight depot) |
| | 92 monument |
| | 93 site of battle |
| | 94 country estate, a demesne |



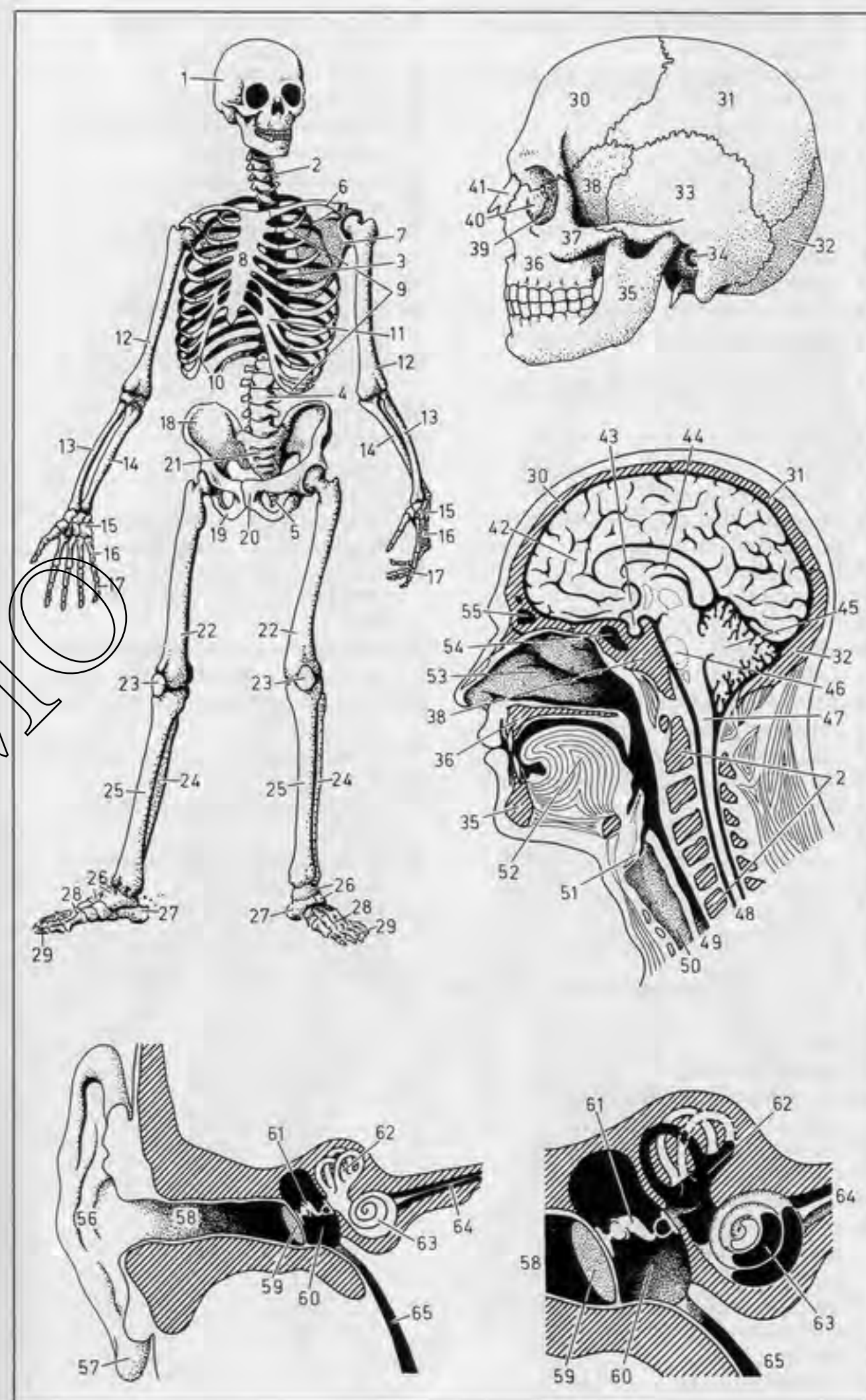
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| 95 wall | 105 village |
| 96 stately home | 106 cemetery |
| 97 park | 107 church (chapel) with spire |
| 98 hedge | 108 orchard |
| 99 poor or unmetalled road | 109 milestone |
| 100 well | 110 guide post |
| 101 farm | 111 tree nursery |
| 102 unfenced path (unfenced track) | 112 ride (aisle, lane, section line) |
| 103 district boundary | 113 electricity transmission line |
| 104 embankment | 114 hop garden |

- 1-54 the human body
- 1-18 head
- 1 vertex (crown of the head, top of the head)
- 2 occiput (back of the head)
- 3 hair
- 4-17 face
- 4-5 forehead
- 4 frontal eminence (frontal protuberance)
- 5 superciliary arch
- 6 temple
- 7 eye
- 8 zygomatic bone (malar bone, jugal bone, cheekbone)
- 9 cheek
- 10 nose
- 11 nasolabial fold
- 12 philtrum
- 13 mouth
- 14 angle of the mouth (labial commissure)
- 15 chin
- 16 dimple (fossette) in the chin
- 17 jaw
- 18 ear
- 19-21 neck
- 19 throat
- 20 hollow of the throat
- 21 nape of the neck
- 22-41 trunk
- 22-25 back
- 22 shoulder
- 23 shoulderblade (scapula)
- 24 loins
- 25 small of the back
- 26 armpit
- 27 armpit hair
- 28-30 thorax (chest)
- 28-29 breasts (breast, mamma)
- 28 nipple
- 29 areola
- 30 bosom
- 31 waist
- 32 flank (side)
- 33 hip
- 34 navel
- 35-37 abdomen (stomach)
- 35 upper abdomen
- 36 abdomen
- 37 lower abdomen
- 38 groin
- 39 pudenda (vulva)
- 40 seat (backside, coll. bottom)
- 41 anal groove (anal cleft)
- 42 gluteal fold (gluteal furrow)
- 43-54 limbs
- 43-48 arm
- 43 upper arm
- 44 crook of the arm
- 45 elbow
- 46 forearm
- 47 hand
- 48 fist (clenched fist, clenched hand)
- 49-54 leg
- 49 thigh
- 50 knee
- 51 popliteal space
- 52 shank
- 53 calf
- 54 foot

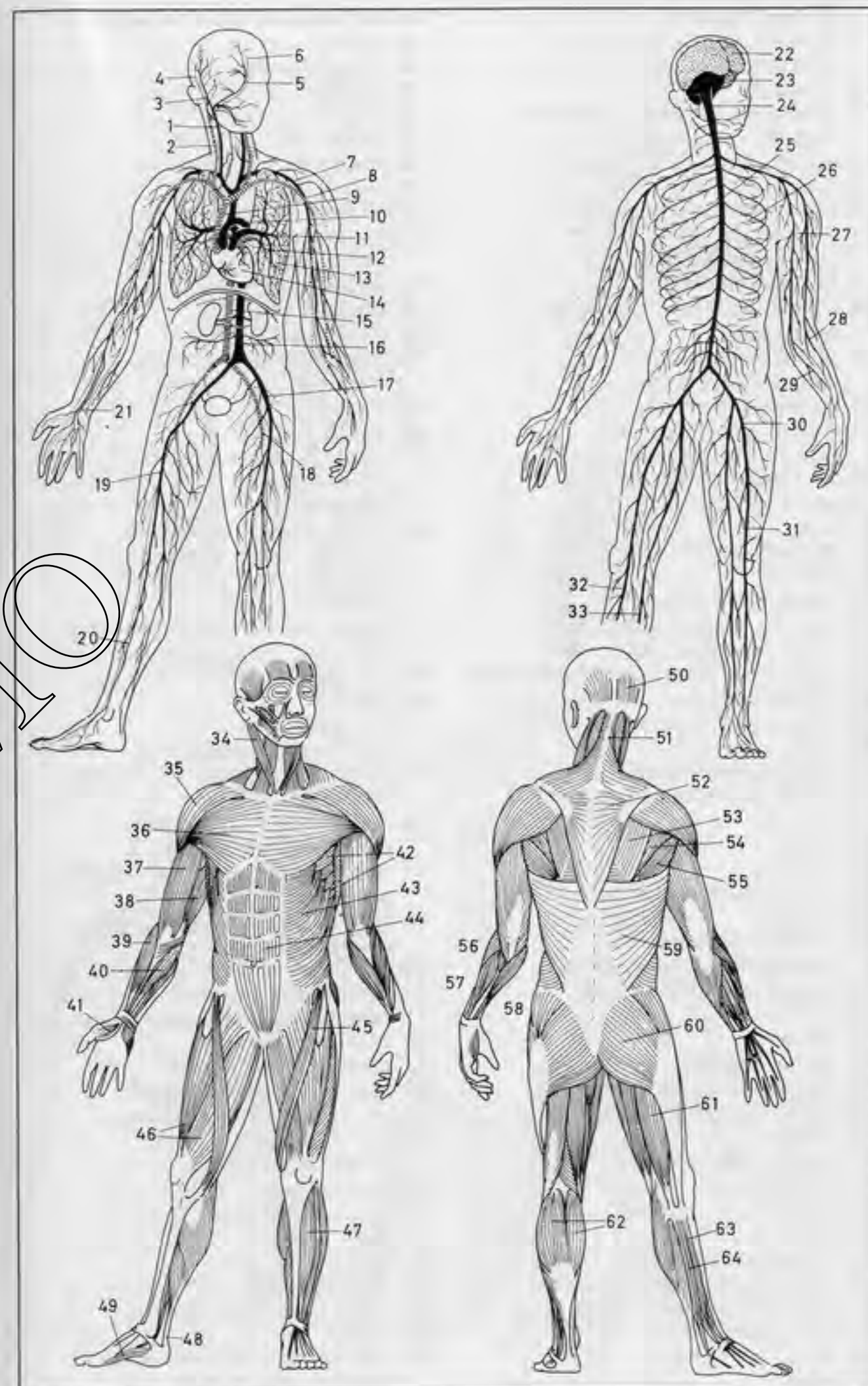


- 1-29 skeleton (bones)
 1 skull
 2-5 vertebral column (spinal column, spine, backbone)
 2 cervical vertebra
 3 dorsal vertebra (thoracic vertebra)
 4 lumbar vertebra
 5 coccyx (coccygeal vertebra)
 6-7 shoulder girdle
 6 collarbone (clavicle)
 7 shoulderblade (scapula)
 8-11 thorax (chest)
 8 breastbone (sternum)
 9 true ribs
 10 false ribs
 11 costal cartilage
 12-14 arm
 12 humerus
 13 radius
 14 ulna
 15-17 hand
 15 carpus
 16 metacarpal bone (metacarpal)
 17 phalanx (phalange)
 18-21 pelvis
 18 ilium (hip bone)
 19 ischium
 20 pubis
 21 sacrum
 22-25 leg
 22 femur (thigh bone, thigh)
 23 patella (kneecap)
 24 fibula (splint bone)
 25 tibia (shinbone)
 26-29 foot
 26 tarsal bones (tarsus)
 27 calcaneum (heelbone)
 28 metatarsus
 29 phalanges
 30-41 skull
 30 frontal bone
 31 left parietal bone
 32 occipital bone
 33 temporal bone
 34 external auditory canal
 35 lower jawbone (lower jaw, mandible)
 36 upper jawbone (upper jaw, maxilla)
 37 zygomatic bone (cheekbone)
 38 sphenoid bone (sphenoid)
 39 ethmoid bone (ethmoid)

- 40 lacrimal (lacrimal) bone
 41 nasal bone
 42-55 head [section]
 42 cerebrum (great brain)
 43 pituitary gland (pituitary body, hypophysis cerebri)
 44 corpus callosum
 45 cerebellum (little brain)
 46 pons (pons cerebri, pons cerebelli)
 47 medulla oblongata (brain-stem)
 48 spinal cord
 49 oesophagus (esophagus, gullet)
 50 trachea (windpipe)
 51 epiglottis
 52 tongue
 53 nasal cavity
 54 sphenoidal sinus
 55 frontal sinus
 56-65 organ of equilibrium and hearing
 56-58 external ear
 56 auricle
 57 ear lobe
 58 external auditory canal
 59-61 middle ear
 59 tympanic membrane
 60 tympanic cavity
 61 auditory ossicles: hammer, anvil, and stirrup (malleus, incus, and stapes)
 62-64 inner ear (internal ear)
 62 labyrinth
 63 cochlea
 64 auditory nerve
 65 eustachian tube



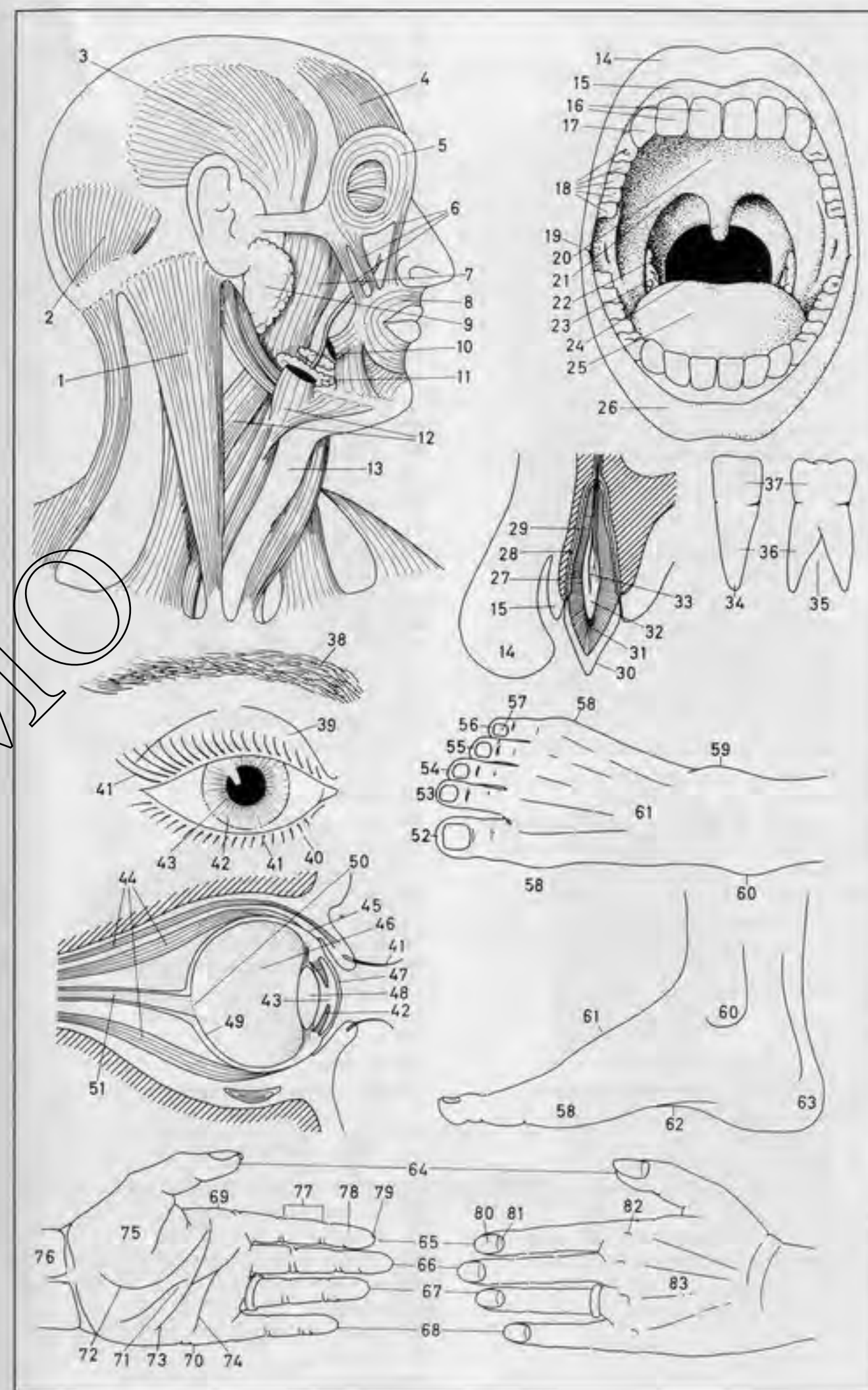
- 1-21 blood circulation** (circulatory system)
- 1 common carotid artery, an artery
 - 2 jugular vein, a vein
 - 3 temporal artery
 - 4 temporal vein
 - 5 frontal artery
 - 6 frontal vein
 - 7 subclavian artery
 - 8 subclavian vein
 - 9 superior vena cava
 - 10 arch of the aorta (aorta)
 - 11 pulmonary artery [with venous blood]
 - 12 pulmonary vein [with arterial blood]
 - 13 lungs
 - 14 heart
 - 15 inferior vena cava
 - 16 abdominal aorta (descending portion of the aorta)
 - 17 iliac artery
 - 18 iliac vein
 - 19 femoral artery
 - 20 tibial artery
 - 21 radial artery
- 22-33 nervous system**
- 22 cerebrum (great brain)
 - 23 cerebellum (little brain)
 - 24 medulla oblongata (brain-stem)
 - 25 spinal cord
 - 26 thoracic nerves
 - 27 brachial plexus
 - 28 radial nerve
 - 29 ulnar nerve
 - 30 great sciatic nerve [lying posteriorly]
 - 31 femoral nerve (anterior crural nerve)
 - 32 tibial nerve
 - 33 peroneal nerve
- 34-64 musculature** (muscular system)
- 34 sternocleidomastoid muscle (sternomastoid muscle)
 - 35 deltoid muscle
 - 36 pectoralis major (greater pectoralis muscle, greater pectoralis)
 - 37 biceps brachii (biceps of the arm)
 - 38 triceps brachii (triceps of the arm)
 - 39 brachioradialis
 - 40 flexor carpi radialis (radial flexor of the wrist)
 - 41 thenar muscle
 - 42 serratus anterior
 - 43 obliquus externus abdominis (external oblique)
 - 44 rectus abdominis
 - 45 sartorius
 - 46 vastus lateralis and vastus medialis
 - 47 tibialis anterior
 - 48 tendo calcaneus (Achilles' tendon)
 - 49 abductor hallucis (abductor of the hallux), a foot muscle
 - 50 occipitalis
 - 51 splenius of the neck
 - 52 trapezius
 - 53 infraspinatus
 - 54 teres minor (lesser teres)
 - 55 teres major (greater teres)
 - 56 extensor carpi radialis longus (long radial extensor of the wrist)
 - 57 extensor communis digitorum (common extensor of the digits)
 - 58 flexor carpi ulnaris (ulnar flexor of the wrist)
 - 59 latissimus dorsi
 - 60 gluteus maximus
 - 61 biceps femoris (biceps of the thigh)
 - 62 gastrocnemius, medial and lateral heads
 - 63 extensor communis digitorum (common extensor of the digits)
 - 64 peroneus longus (long peroneus)



1-13 head and neck

- 1 sternocleidomastoid muscle (sternomastoid muscle)
- 2 occipitalis
- 3 temporalis (temporal, temporal muscle)
- 4 occipito frontalis (frontalis)
- 5 orbicularis oculi
- 6 muscles of facial expression
- 7 masseter
- 8 orbicularis oris
- 9 parotid gland
- 10 lymph node (submandibular lymph gland)
- 11 submandibular gland (submaxillary gland)
- 12 muscles of the neck
- 13 Adam's apple (laryngeal prominence) [in men only]
- 14-37 mouth and throat
- 14 upper lip
- 15 gum
- 16-18 teeth (set of teeth)
- 16 incisors
- 17 canine tooth (canine)
- 18 premolar (bicuspid) and molar teeth (premolars and molars)
- 19 angle of the mouth (labial commissure)
- 20 hard palate
- 21 soft palate (velum palati, velum)
- 22 uvula
- 23 palatine tonsil (tonsil)
- 24 pharyngeal opening (pharynx, throat)
- 25 tongue
- 26 lower lip
- 27 upper jaw (maxilla)
- 28-37 tooth
- 28 periodontal membrane (periodontium, pericementum)
- 29 cement (dental cementum, crusta petrosa)
- 30 enamel
- 31 dentine (dentin)
- 32 dental pulp (tooth pulp, pulp)
- 33 nerves and blood vessels
- 34 incisor
- 35 molar tooth (molar)
- 36 root (fang)
- 37 crown
- 38-51 eye
- 38 eyebrow (supercilium)
- 39 upper eyelid (upper palpebra)
- 40 lower eyelid (lower palpebra)
- 41 eyelash (cilium)
- 42 iris
- 43 pupil

- 44 eye muscles (ocular muscles)
- 45 eyeball
- 46 vitreous body
- 47 cornea
- 48 lens
- 49 retina
- 50 blind spot
- 51 optic nerve
- 52-63 foot
- 52 big toe (great toe, first toe, hallux, digitus I)
- 53 second toe (digitus II)
- 54 third toe (digitus III)
- 55 fourth toe (digitus IV)
- 56 little toe (digitus minimus, digitus V)
- 57 toenail
- 58 ball of the foot
- 59 lateral malleolus (external malleolus, outer malleolus, malleolus fibulae)
- 60 medial malleolus (internal malleolus, inner malleolus, malleolus tibiae, malleolus medialis)
- 61 instep (medial longitudinal arch, dorsum of the foot, dorsum pedis)
- 62 sole of the foot
- 63 heel
- 64-83 hand
- 64 thumb (pollex, digitus I)
- 65 index finger (forefinger, second finger, digitus II)
- 66 middle finger (third finger, digitus medius, digitus III)
- 67 ring finger (fourth finger, digitus anularis, digitus IV)
- 68 little finger (fifth finger, digitus minimus, digitus V)
- 69 radial side of the hand
- 70 ulnar side of the hand
- 71 palm of the hand (palma manus)
- 72-74 lines of the hand
- 72 life line (line of life)
- 73 head line (line of the head)
- 74 heart line (line of the heart)
- 75 ball of the thumb (thenar eminence)
- 76 wrist (carpus)
- 77 phalanx (phalange)
- 78 finger pad
- 79 fingertip
- 80 fingernail (nail)
- 81 lunule (lunula) of the nail
- 82 knuckle
- 83 back of the hand (dorsum of the hand, dorsum manus)



1-57 internal organs [front view]

- 1 thyroid gland
- 2-3 larynx
- 2 hyoid bone (hyoid)
- 3 thyroid cartilage
- 4 trachea (windpipe)
- 5 bronchus
- 6-7 lung
- 6 right lung
- 7 upper pulmonary lobe (upper lobe of the lung) [section]
- 8 heart
- 9 diaphragm
- 10 liver
- 11 gall bladder
- 12 spleen
- 13 stomach
- 14-22 intestines (bowel)
- 14-16 small intestine (intestinum tenue)
- 14 duodenum
- 15 jejunum
- 16 ileum
- 17-22 large intestine (intestinum crassum)
- 17 caecum (cecum)
- 18 appendix (vermiform appendix)
- 19 ascending colon
- 20 transverse colon
- 21 descending colon
- 22 rectum
- 23 oesophagus (esophagus, gullet)
- 24-25 heart
- 24 auricle
- 25 anterior longitudinal cardiac sulcus
- 26 diaphragm
- 27 spleen
- 28 right kidney
- 29 suprarenal gland
- 30-31 left kidney [longitudinal section]
- 30 calyx (renal calyx)
- 31 renal pelvis
- 32 ureter
- 33 bladder
- 34-35 liver [from behind]
- 34 falciform ligament of the liver
- 35 lobe of the liver
- 36 gall bladder
- 37-38 common bile duct
- 37 hepatic duct (common hepatic duct)
- 38 cystic duct
- 39 portal vein (hepatic portal vein)
- 40 oesophagus (esophagus, gullet)
- 41-42 stomach
- 41 cardiac orifice
- 42 pylorus
- 43 duodenum
- 44 pancreas

45-57 heart (longitudinal section)

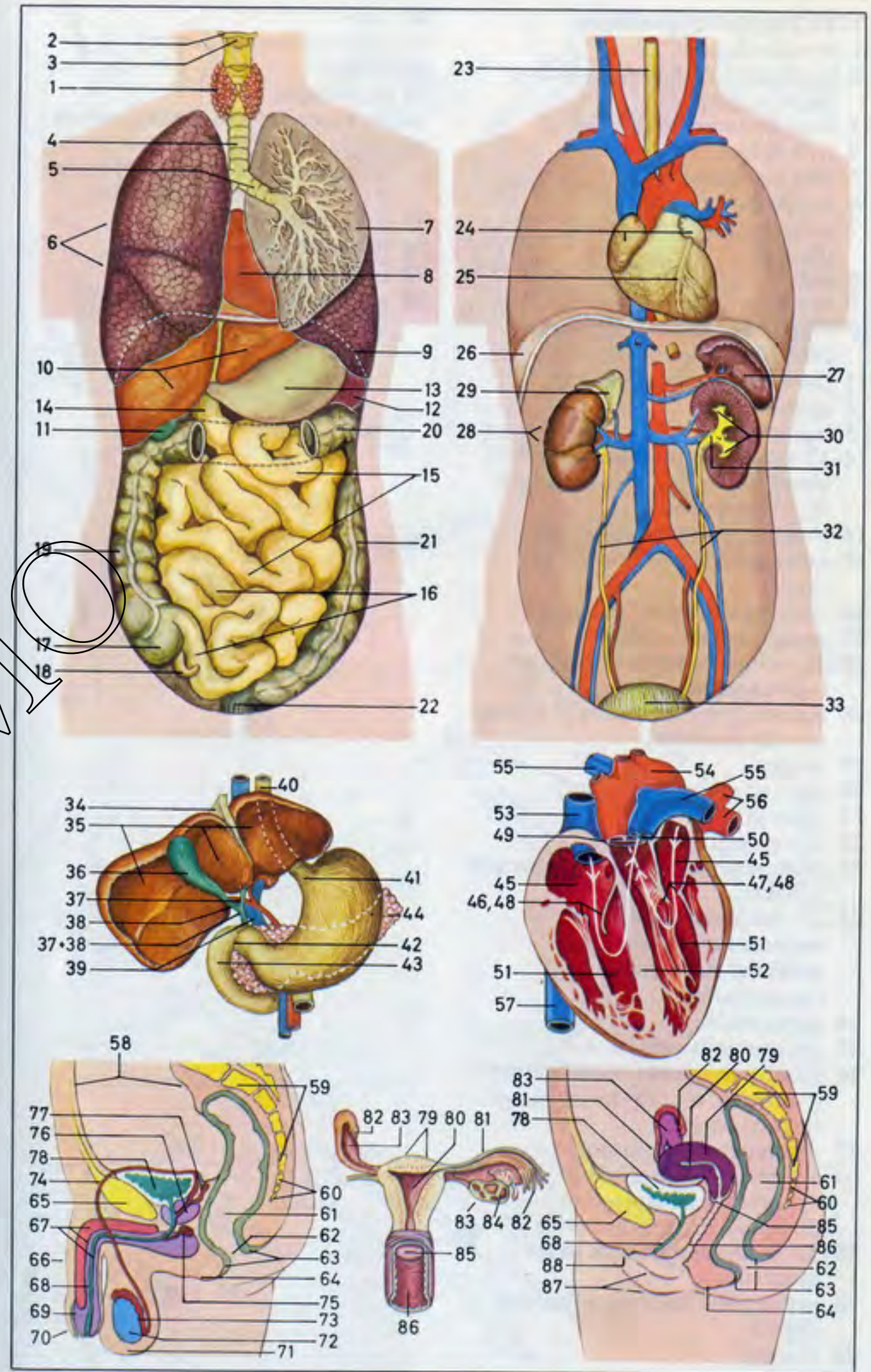
- 45 atrium
- 46-47 valves of the heart
- 46 tricuspid valve (right atrioventricular valve)
- 47 bicuspid valve (mitral valve, left atrioventricular valve)
- 48 cusp
- 49 aortic valve
- 50 pulmonary valve
- 51 ventricle
- 52 ventricular septum (interventricular septum)
- 53 superior vena cava
- 54 aorta
- 55 pulmonary artery
- 56 pulmonary vein
- 57 inferior vena cava
- 58 peritoneum
- 59 sacrum
- 60 coccyx (coccygeal vertebra)
- 61 rectum
- 62 anus
- 63 anal sphincter
- 64 perineum
- 65 pubic symphysis (symphysis pubis)

66-77 male sex organs [longitudinal section]

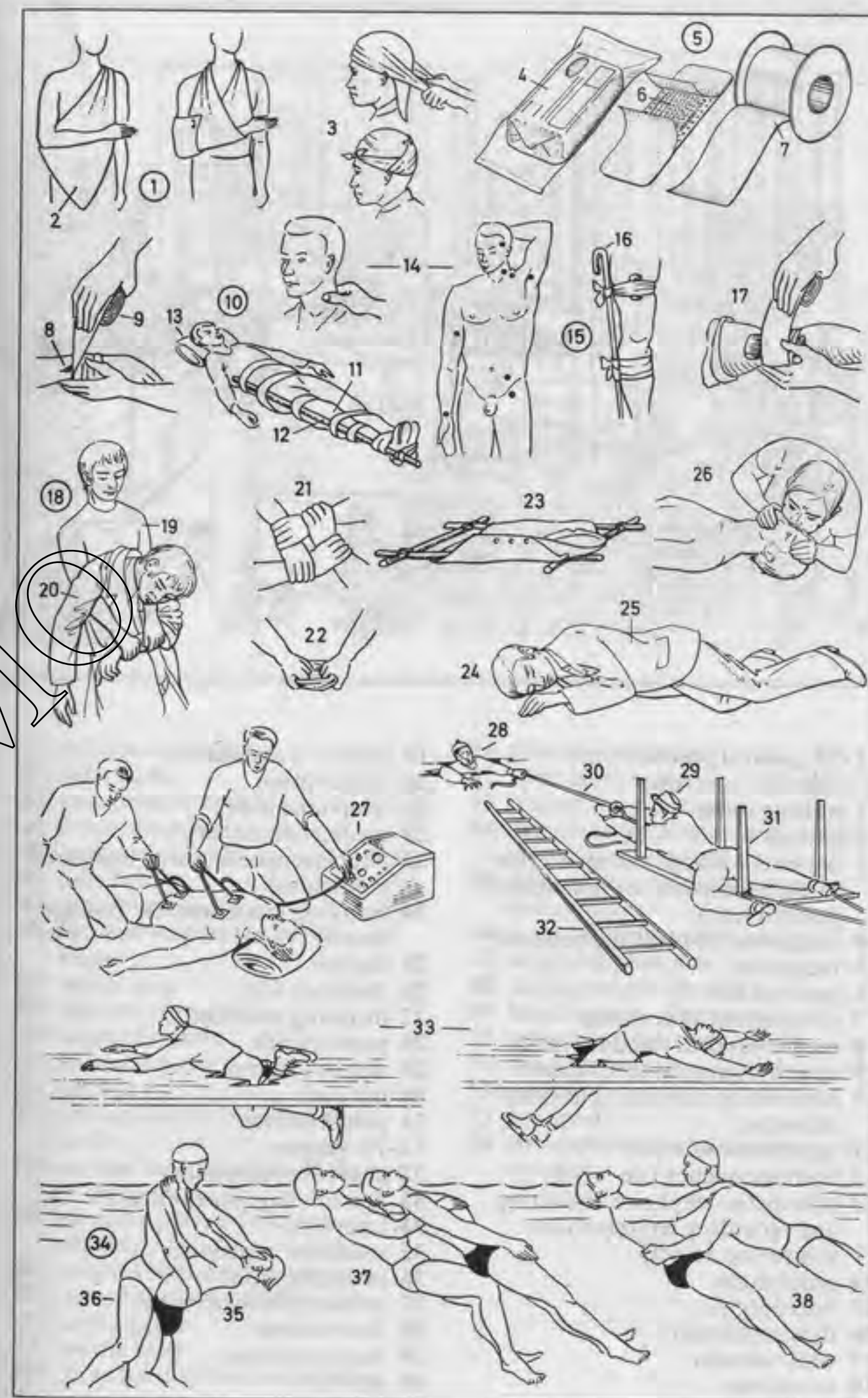
- 66 penis
- 67 corpus cavernosum and spongiosum of the penis (erectile tissue of the penis)
- 68 urethra
- 69 glans penis
- 70 prepuce (foreskin)
- 71 scrotum
- 72 right testicle (testis)
- 73 epididymis
- 74 spermatic duct (vas deferens)
- 75 Cowper's gland (bulbourethral gland)
- 76 prostate (prostate gland)
- 77 seminal vesicle
- 78 bladder

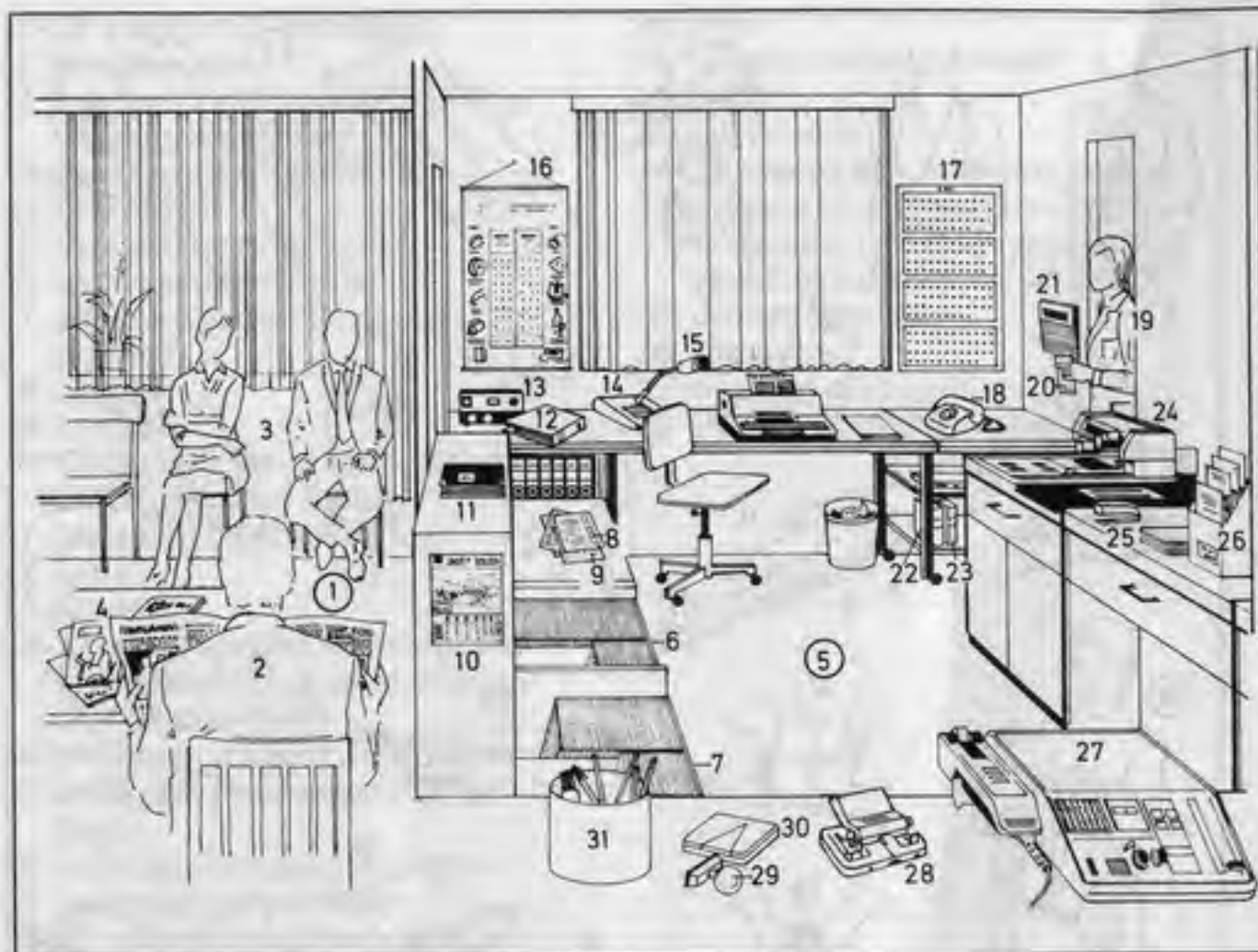
79-88 female sex organs [longitudinal section]

- 79 uterus (matrix, womb)
- 80 cavity of the uterus
- 81 fallopian tube (uterine tube, oviduct)
- 82 fimbria (fimbriated extremity)
- 83 ovary
- 84 follicle with ovum (egg)
- 85 os uteri externum
- 86 vagina
- 87 lip of the pudendum (lip of the vulva)
- 88 clitoris



- 1-13 emergency bandages
 1 arm bandage
 2 triangular cloth used as a sling (an arm sling)
 3 head bandage (capeline)
 4 first aid kit
 5 first aid dressing
 6 sterile gauze dressing
 7 adhesive plaster (sticking plaster)
 8 wound
 9 bandage
 10 emergency splint for a broken limb (fractured limb)
 11 fractured leg (broken leg)
 12 splint
 13 headrest
 14-17 measures for stanching the blood flow (tying up of, ligature of, a blood vessel)
 14 pressure points of the arteries
 15 emergency tourniquet on the thigh
 16 walking stick used as a screw
 17 compression bandage
 18-23 rescue and transport of an injured person
 18 Rautek grip (for rescue of victim of a car accident)
 19 helper
 20 injured person (casualty)
 21 chair grip
 22 carrying grip
 23 emergency stretcher of sticks and a jacket
 24-27 the positioning of an unconscious person and artificial respiration (resuscitation)
 24 coma position
 25 unconscious person
 26 mouth-to-mouth resuscitation (variation: mouth-to-nose resuscitation)
 27 resuscitator (respiratory apparatus, resuscitation apparatus), a respirator (artificial breathing device)
 28-33 methods of rescue in ice accidents
 28 person who has fallen through the ice
 29 rescuer
 30 rope
 31 table (or similar device)
 32 ladder
 33 self-rescue
 34-38 rescue of a drowning person
 34 method of release (release grip, release) to free rescuer from the clutch of a drowning person
 35 drowning person
 36 lifesaver
 37 chest grip, a towing grip
 38 tired swimmer grip (hip grip)

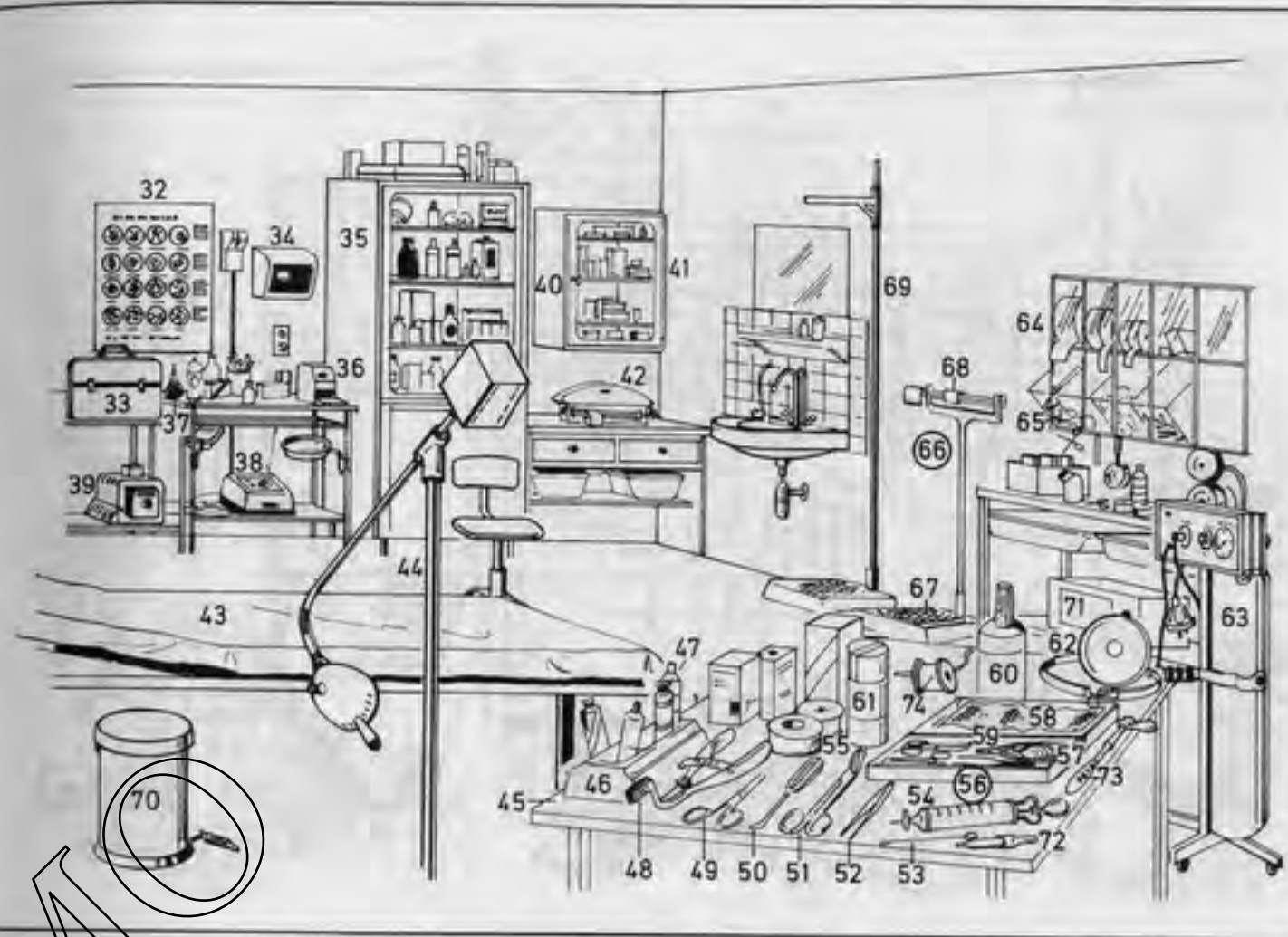




1-74 general practice (Am. physician's office)

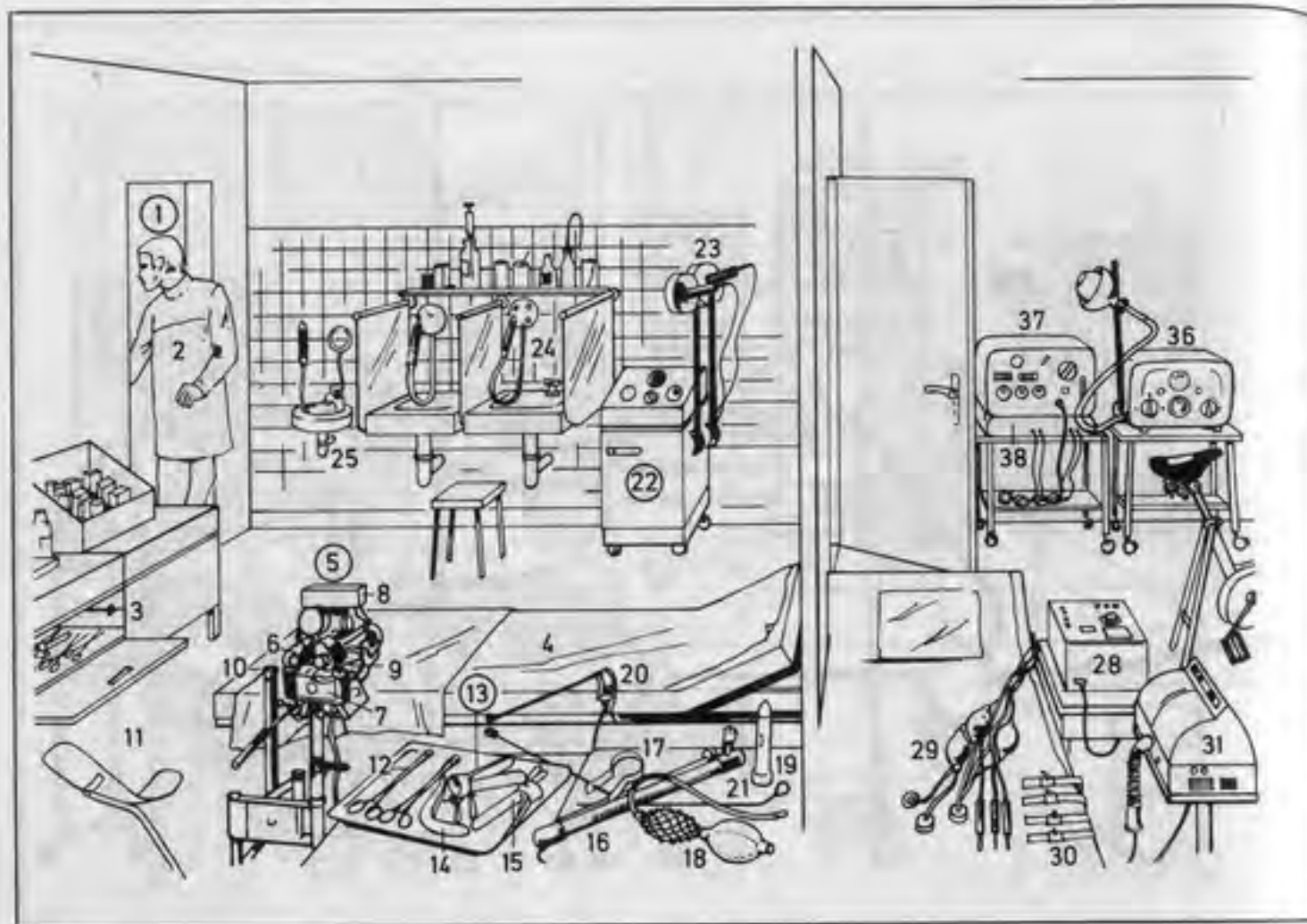
- 1 waiting room
- 2 patient
- 3 patients with appointments (for a routine checkup or renewal of prescription)
- 4 magazines [for waiting patients]
- 5 reception
- 6 patients file
- 7 eliminated index cards
- 8 medical record (medical card)
- 9 health insurance certificate
- 10 advertising calendar (publicity calendar)
- 11 appointments book
- 12 correspondence file
- 13 automatic telephone answering and recording set (telephone answering device)
- 14 radiophone
- 15 microphone
- 16 illustrated chart
- 17 wall calendar
- 18 telephone

- 19 [doctor's] assistant
- 20 prescription
- 21 telephone index
- 22 medical dictionary
- 23 pharmacopoeia (list of registered medicines)
- 24 franking machine (Am. postage meter)
- 25 stapler
- 26 diabetics file
- 27 dictating machine
- 28 paper punch
- 29 doctor's stamp
- 30 ink pad
- 31 pencil holder
- 32-74 surgery**
- 32 chart of eyegrounds
- 33 doctor's bag (doctor's case)
- 34 intercom
- 35 medicine cupboard
- 36 swab dispenser
- 37 inflator (Poltzer bag)
- 38 electrotome
- 39 steam sterilizer
- 40 cabinet



- 41 medicine samples
- 42 baby scales
- 43 examination couch
- 44 directional lamp
- 45 instrument table
- 46 tube holder
- 47 tube of ointment
- 48-50 instruments for minor surgery**
- 48 mouth gag
- 49 Kocher's forceps
- 50 scoop (curette)
- 51 angled scissors
- 52 forceps
- 53 olive-pointed (bulb-headed) probe
- 54 syringe for irrigations of the ear or bladder
- 55 adhesive plaster (sticking plaster)
- 56 surgical suture material
- 57 curved surgical needle
- 58 sterile gauze
- 59 needle holder
- 60 spray for disinfecting the skin

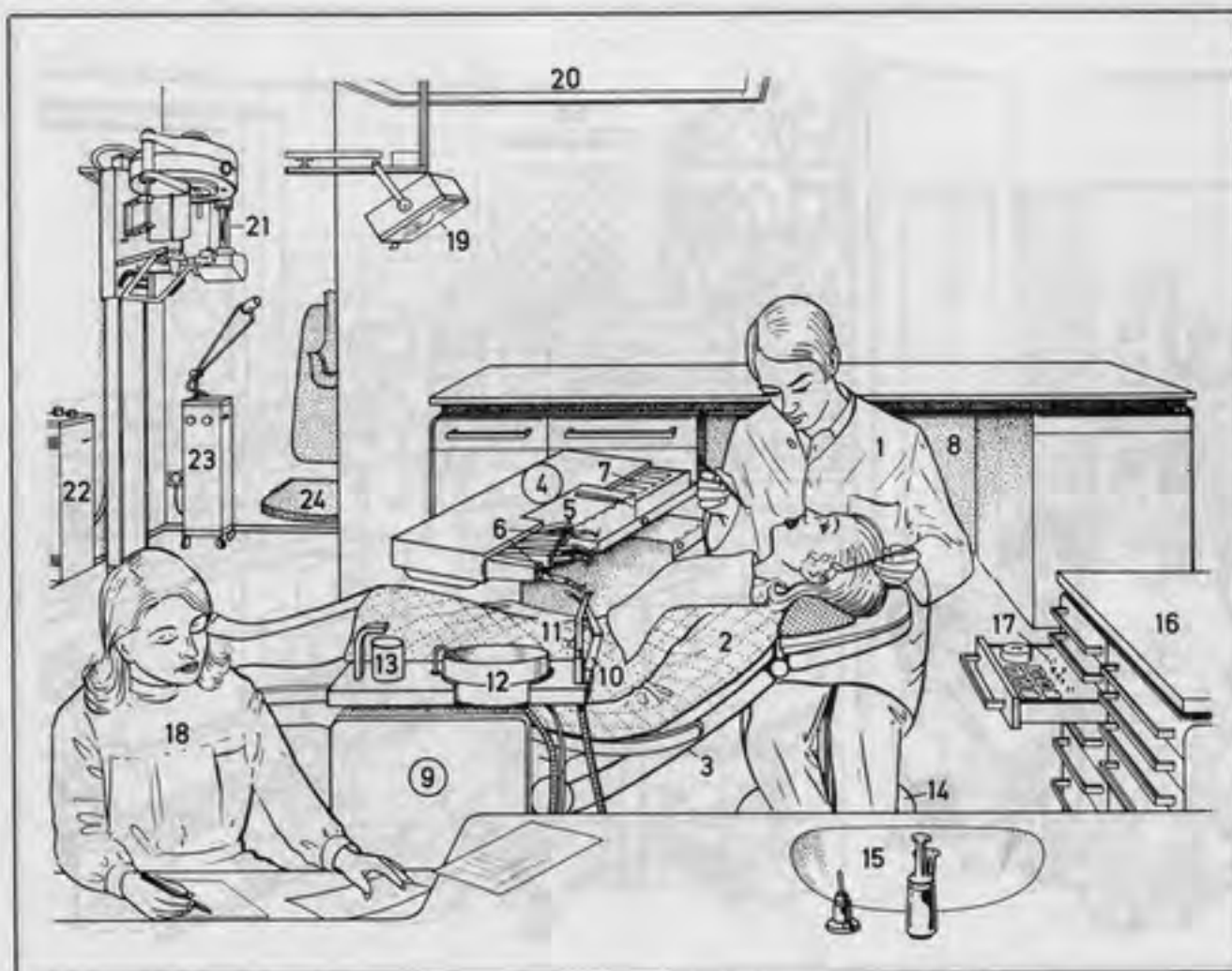
- 61 thread container
- 62 ophthalmoscope
- 63 freezer for cryosurgery
- 64 dispenser for plasters and small pieces of equipment
- 65 disposable hypodermic needles and syringes
- 66 scales, sliding-weight scales
- 67 weighing platform
- 68 sliding weight (jockey)
- 69 height gauge (Am. gage)
- 70 waste bin (Am. trash bin)
- 71 hot-air sterilizer
- 72 pipette
- 73 percussor
- 74 aural speculum (auriscope, aural syringe)



- 1 consulting room
 2 general practitioner
 3-21 instruments for gynecological and proctological examinations
 3 warming the instruments up to body temperature
 4 examination couch
 5 colposcope
 6 binocular eyepiece
 7 miniature camera
 8 cold light source
 9 cable release
 10 bracket for the leg support
 11 leg support (leg holder)
 12 holding forceps (sponge holder)
 13 vaginal speculum
 14 lower blade of the vaginal speculum
 15 platinum loop (for smears)
 16 rectoscope
 17 biopsy forceps used with the rectoscope (proctoscope)
 18 insufflator for proctoscopy (rectoscopy)
 19 proctoscope (rectal speculum)
 20 urethroscope
 21 guide for inserting the proctoscope
 22 diathermy unit (short-wave therapy apparatus)
 23 radiator
 24 inhaling apparatus (inhalator)
 25 basin (for sputum)
 26-31 ergometry
 26 bicycle ergometer
 27 monitor (visual display of the ECG and of pulse and respiratory rates when performing work)
 28 ECG (electrocardiograph)
 29 suction electrodes
 30 strap-on electrodes for the limbs
 31 spirometer (for measuring respiratory functions)
 32 measuring the blood pressure

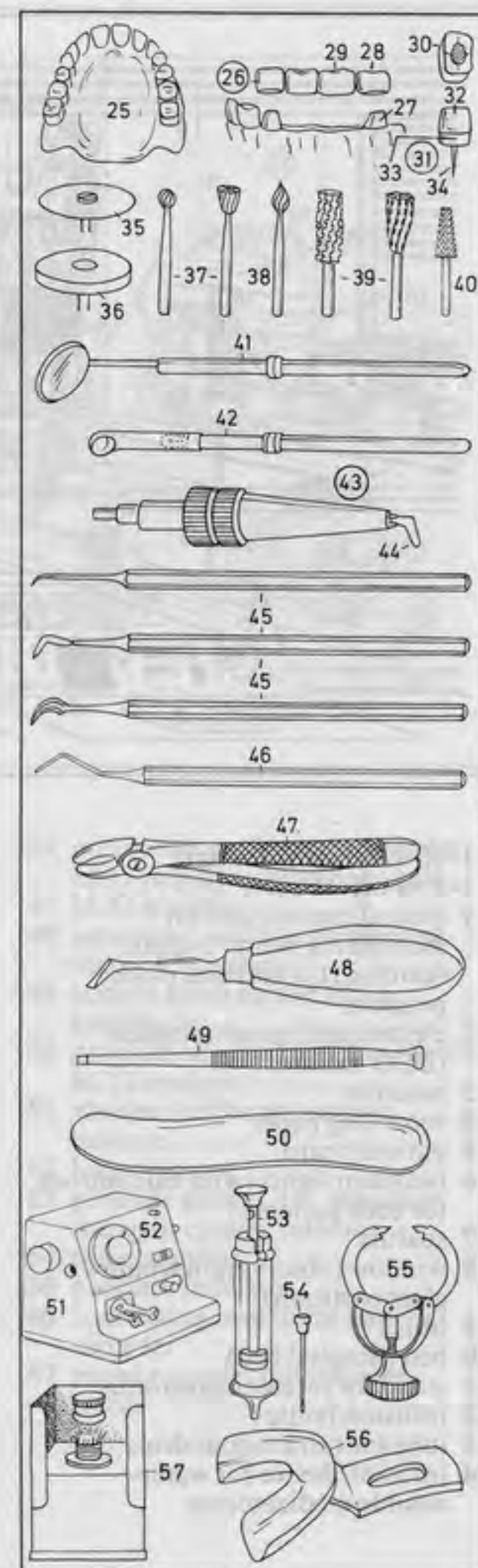


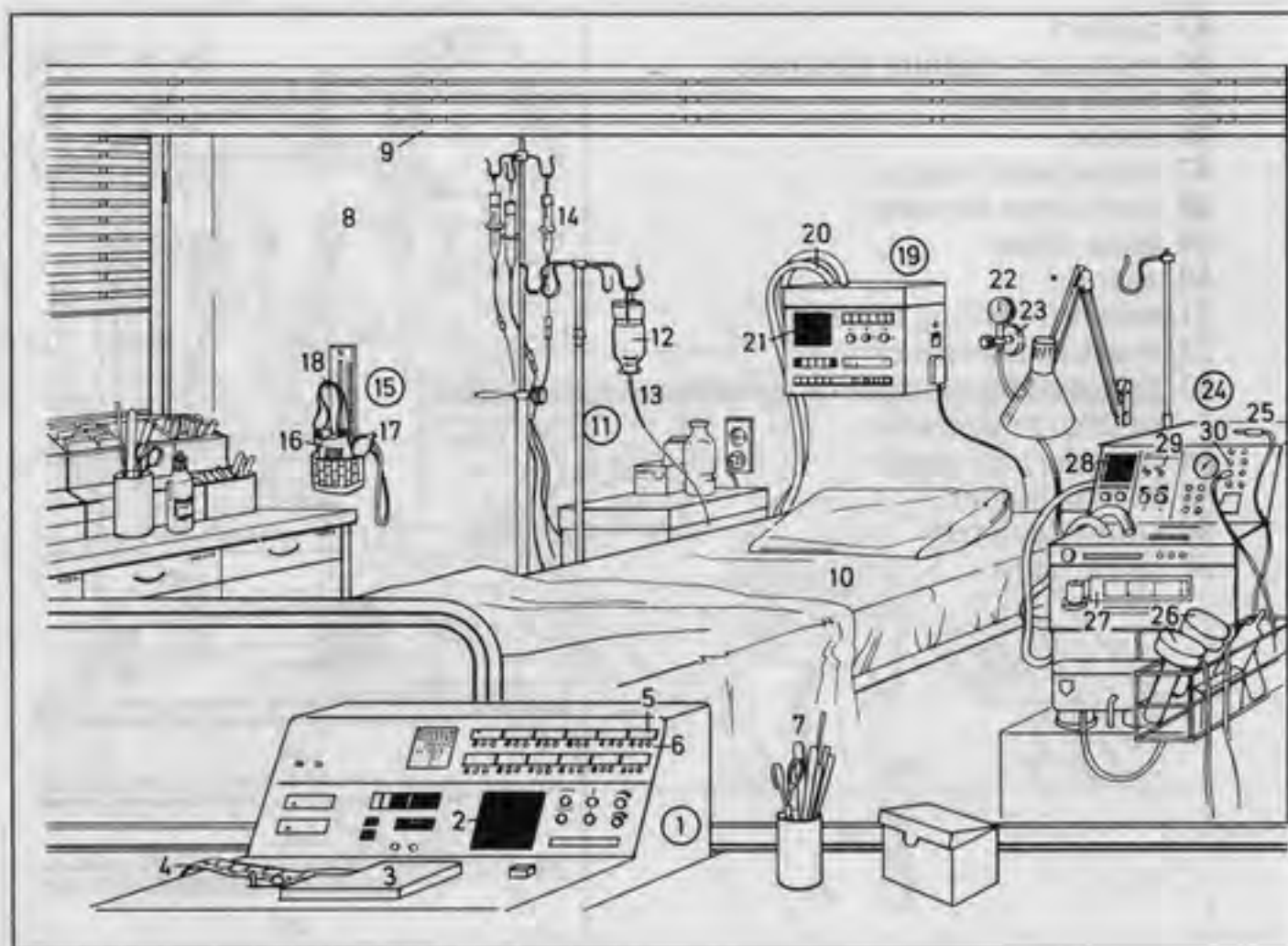
- 33 sphygmomanometer
 34 inflatable cuff
 35 stethoscope
 36 microwave treatment unit
 37 faradization unit (application of low-frequency currents with different pulse shapes)
 38 automatic tuner
 39 short-wave therapy apparatus
 40 timer
 41-59 laboratory
 41 medical laboratory technician
 42 capillary tube stand for blood sedimentation
 43 measuring cylinder
 44 automatic pipette
 45 kidney dish
 46 portable ECG machine for emergency use
 47 automatic pipetting device
 48 constant temperature water bath
 49 tap with water jet pump
 50 staining dish (for staining blood smears, sediments and other smears)
 51 binocular research microscope
 52 pipette stand for photometry
 53 computer and analyser for photometry
 54 photometer
 55 potentiometric recorder
 56 transforming section
 57 laboratory apparatus (laboratory equipment)
 58 urine sediment chart
 59 centrifuge



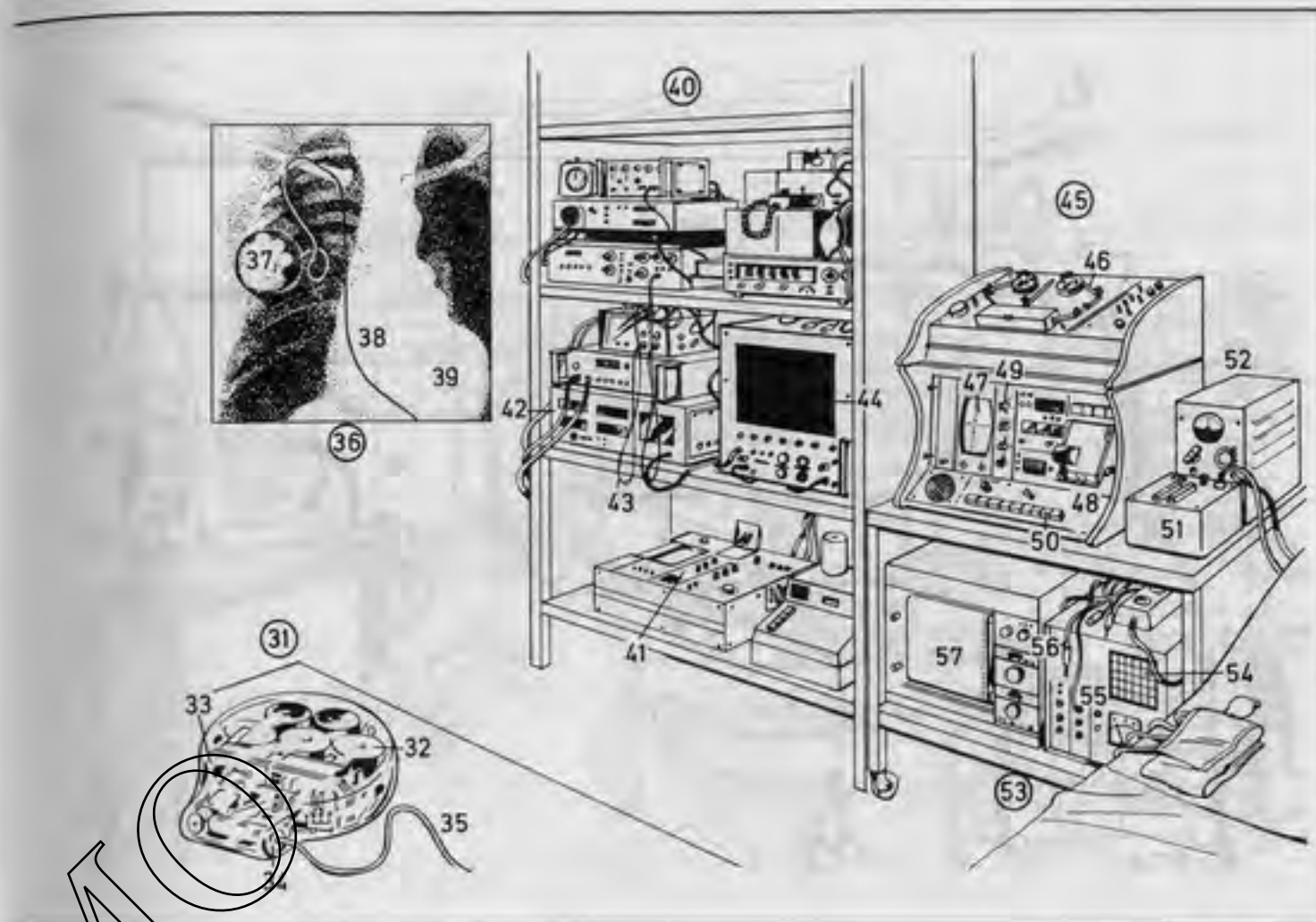
- | | |
|--|---|
| 1 dentist (dental surgeon) | 22 X-ray generator |
| 2 patient | 23 microwave treatment unit, a radiation unit |
| 3 dentist's chair | 24 seat |
| 4 dental instruments | 25 denture (set of false teeth) |
| 5 instrument tray | 26 bridge (dental bridge) |
| 6 drills with different handpieces | 27 prepared stump of the tooth |
| 7 medicine case | 28 crown (kinds: gold crown, jacket crown) |
| 8 storage unit (for dental instruments) | 29 porcelain tooth (porcelain pontic) |
| 9 assistant's unit | 30 filling |
| 10 multi-purpose syringe (for cold and warm water, spray or air) | 31 post crown |
| 11 suction apparatus | 32 facing |
| 12 basin | 33 diaphragm |
| 13 water glass, filled automatically | 34 post |
| 14 stool | 35 carborundum disc (disk) |
| 15 washbasin | 36 grinding wheel |
| 16 instrument cabinet | 37 burs |
| 17 drawer for drills | 38 flame-shaped finishing bur |
| 18 dentist's assistant | 39 fissure burs |
| 19 dentist's lamp | 40 diamond point |
| 20 ceiling light | 41 mouth mirror |
| 21 X-ray apparatus for panoramic pictures | 42 mouth lamp |

- | |
|--|
| 43 cautery |
| 44 platinum-iridium electrode |
| 45 tooth scalers |
| 46 probe |
| 47 extraction forceps |
| 48 tooth-root elevator |
| 49 bone chisel |
| 50 spatula |
| 51 mixer for filling material |
| 52 synchronous timer |
| 53 hypodermic syringe for injection of local anaesthetic |
| 54 hypodermic needle |
| 55 matrix holder |
| 56 impression tray |
| 57 spirit lamp |



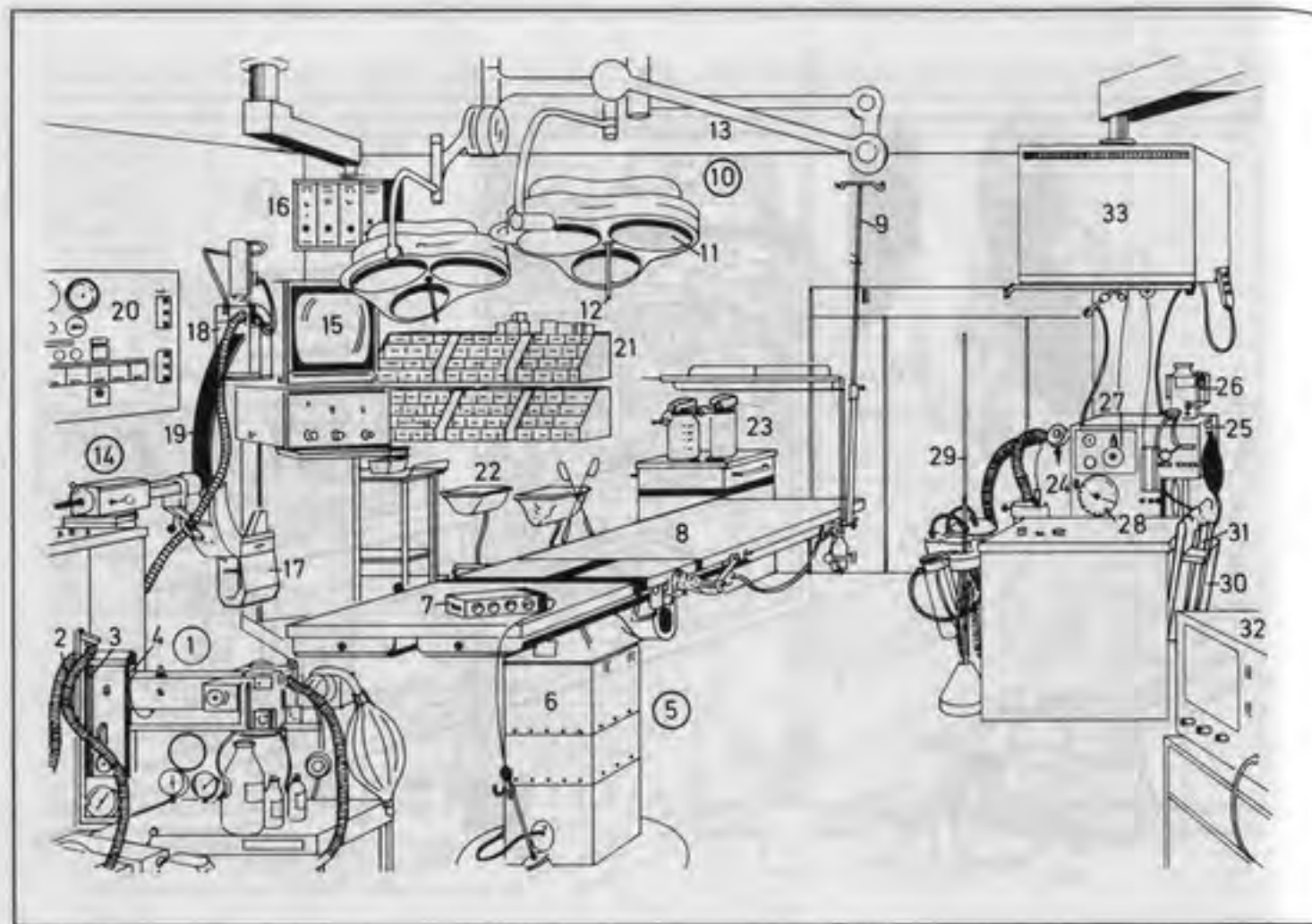
**1-30 intensive care unit****1-9 control room**

- 1 central control unit for monitoring heart rhythm (cardiac rhythm) and blood pressure
- 2 electrocardiogram monitor (ECG monitor)
- 3 recorder
- 4 recording paper
- 5 patient's card
- 6 indicator lights (with call buttons for each patient)
- 7 spatula
- 8 window (observation window, glass partition)
- 9 blind
- 10 bed (hospital bed)
- 11 stand for infusion apparatus
- 12 infusion bottle
- 13 tube for intravenous drips
- 14 infusion device for water-soluble medicaments
- 15 sphygmomanometer
- 16 cuff
- 17 inflating bulb
- 18 mercury manometer
- 19 bed monitor
- 20 connecting lead to the central control unit
- 21 electrocardiogram monitor (ECG monitor)
- 22 manometer for the oxygen supply
- 23 wall connection for oxygen treatment
- 24 mobile monitoring unit
- 25 electrode lead to the short-term pacemaker
- 26 electrodes for shock treatment
- 27 ECG recording unit
- 28 electrocardiogram monitor (ECG monitor)
- 29 control switches and knobs (controls) for adjusting the monitor

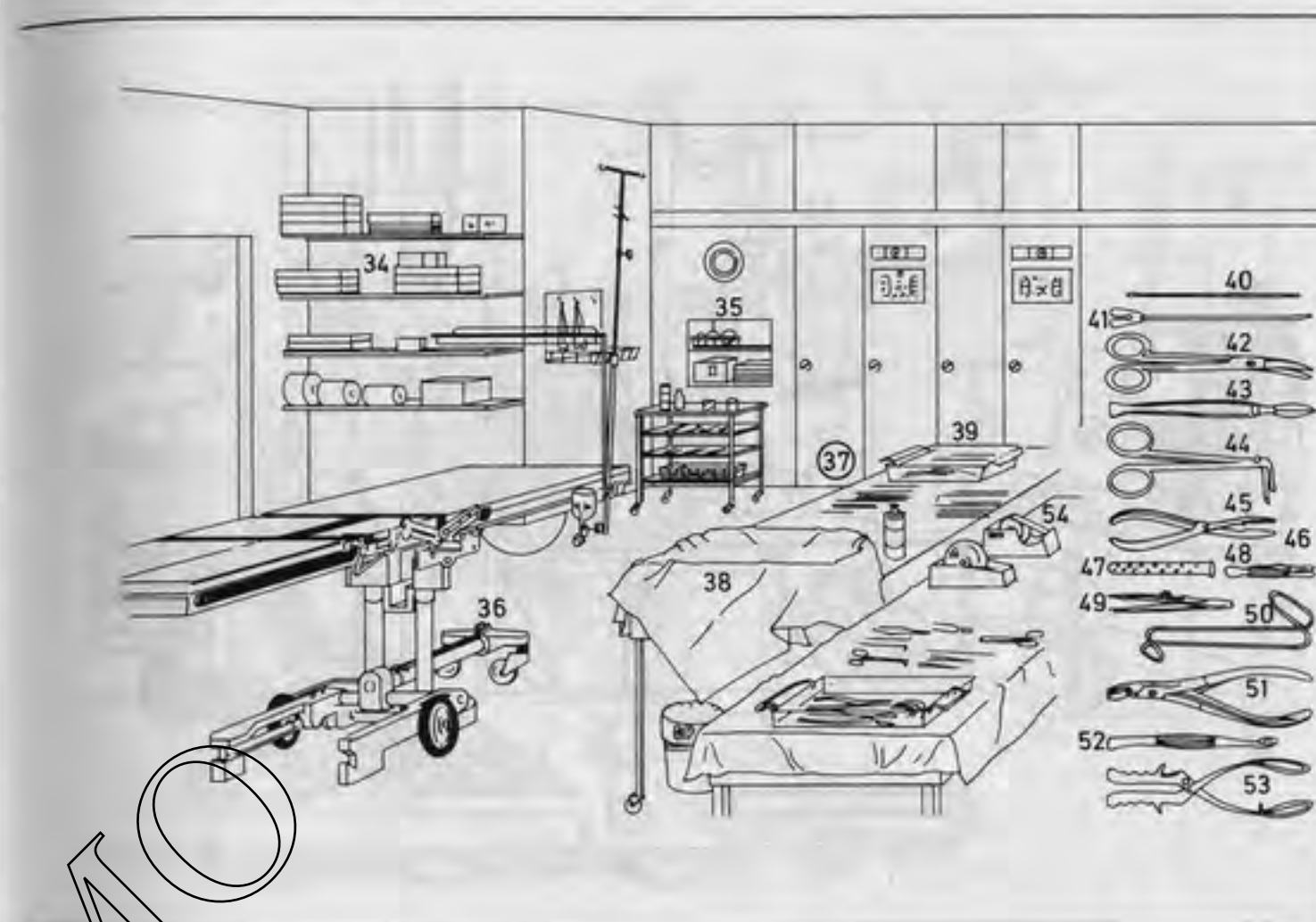


- 30 control buttons for the pacemaker unit
- 31 **pacemaker** (cardiac pacemaker)
- 32 mercury battery
- 33 programmed impulse generator
- 34 electrode exit point
- 35 electrode
- 36 implantation of the pacemaker
- 37 internal cardiac pacemaker (internal pacemaker, pacemaker)
- 38 electrode inserted through the vein
- 39 cardiac silhouette on the X-ray
- 40 **pacemaker control unit**
- 41 electrocardiograph (ECG recorder)
- 42 automatic impulse meter
- 43 ECG lead to the patient
- 44 monitor unit for visual monitoring of the pacemaker impulses
- 45 long-term ECG analyser

- 46 magnetic tape for recording the ECG impulses during analysis
- 47 ECG monitor
- 48 automatic analysis on paper of the ECG rhythm
- 49 control knob for the ECG amplitude
- 50 program selector switches for the ECG analysis
- 51 charger for the pacemaker batteries
- 52 battery tester
- 53 pressure gauge (*Am. gage*) for the right cardiac catheter
- 54 trace monitor
- 55 pressure indicator
- 56 connecting lead to the paper recorder
- 57 paper recorder for pressure traces

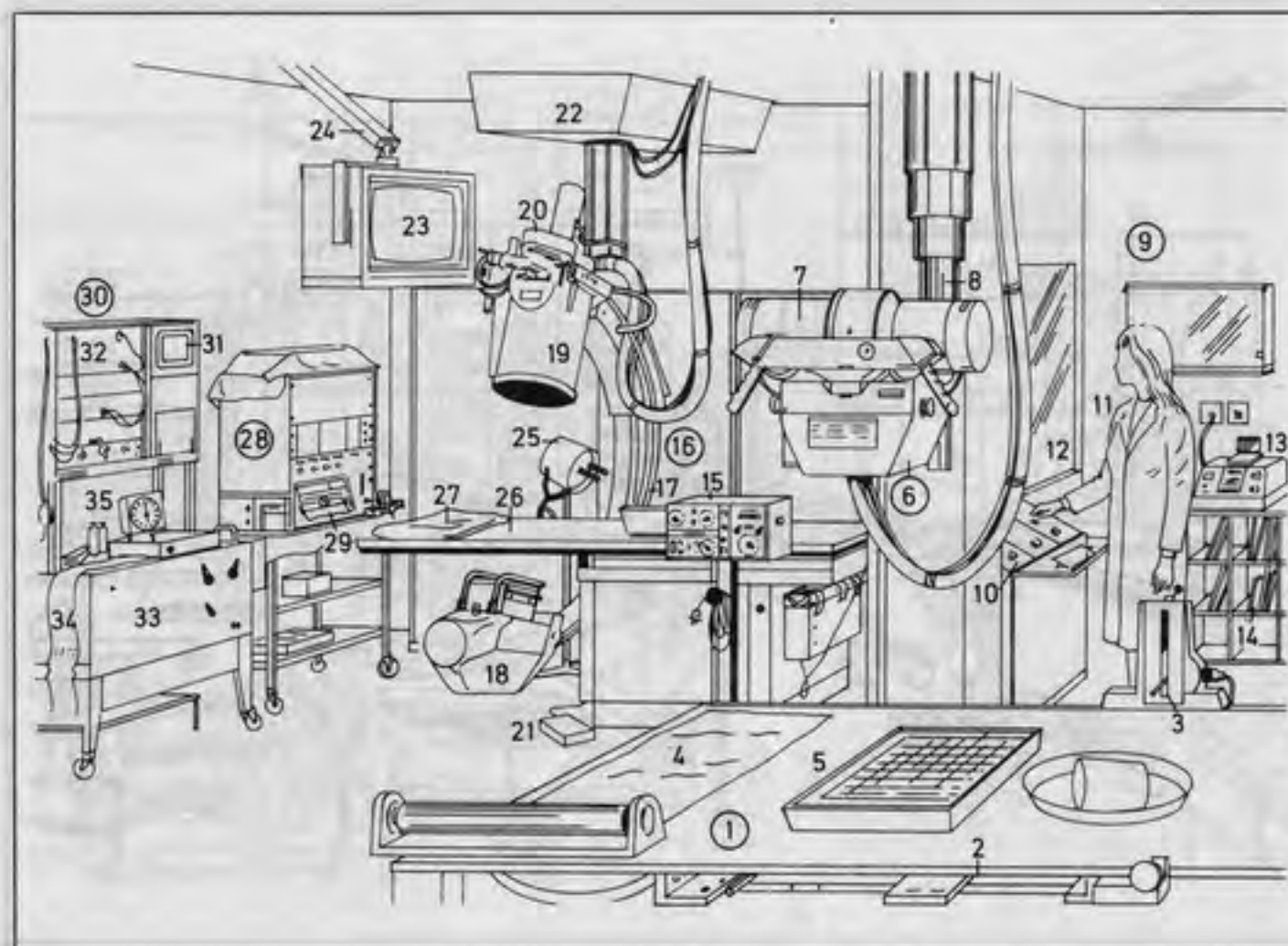
**1-54 surgical unit****1-33 operating theatre (Am. theater)**

- 1 anaesthesia and breathing apparatus (respiratory machine)
- 2 inhalers (inhaling tubes)
- 3 flowmeter for nitrous oxide
- 4 oxygen flow meter
- 5 pedestal operating table
- 6 table pedestal
- 7 control device (control unit)
- 8 adjustable top of the operating table
- 9 stand for intravenous drips
- 10 swivel-mounted shadow-free operating lamp
- 11 individual lamp
- 12 handle
- 13 swivel arm
- 14 mobile fluoroscope
- 15 monitor of the image converter
- 16 monitor [back]
- 17 tube
- 18 image converter
- 19 C-shaped frame
- 20 control panel for the air-conditioning
- 21 surgical suture material
- 22 mobile waste tray
- 23 containers for unsterile (unsterilized) pads
- 24 anaesthesia and respiratory apparatus
- 25 respirator
- 26 fluothane container (halothane container)
- 27 ventilation control knob
- 28 indicator with pointer for respiratory volume
- 29 stand with inhalers (inhaling tubes) and pressure gauges (Am. gages)
- 30 catheter holder
- 31 catheter in sterile packing

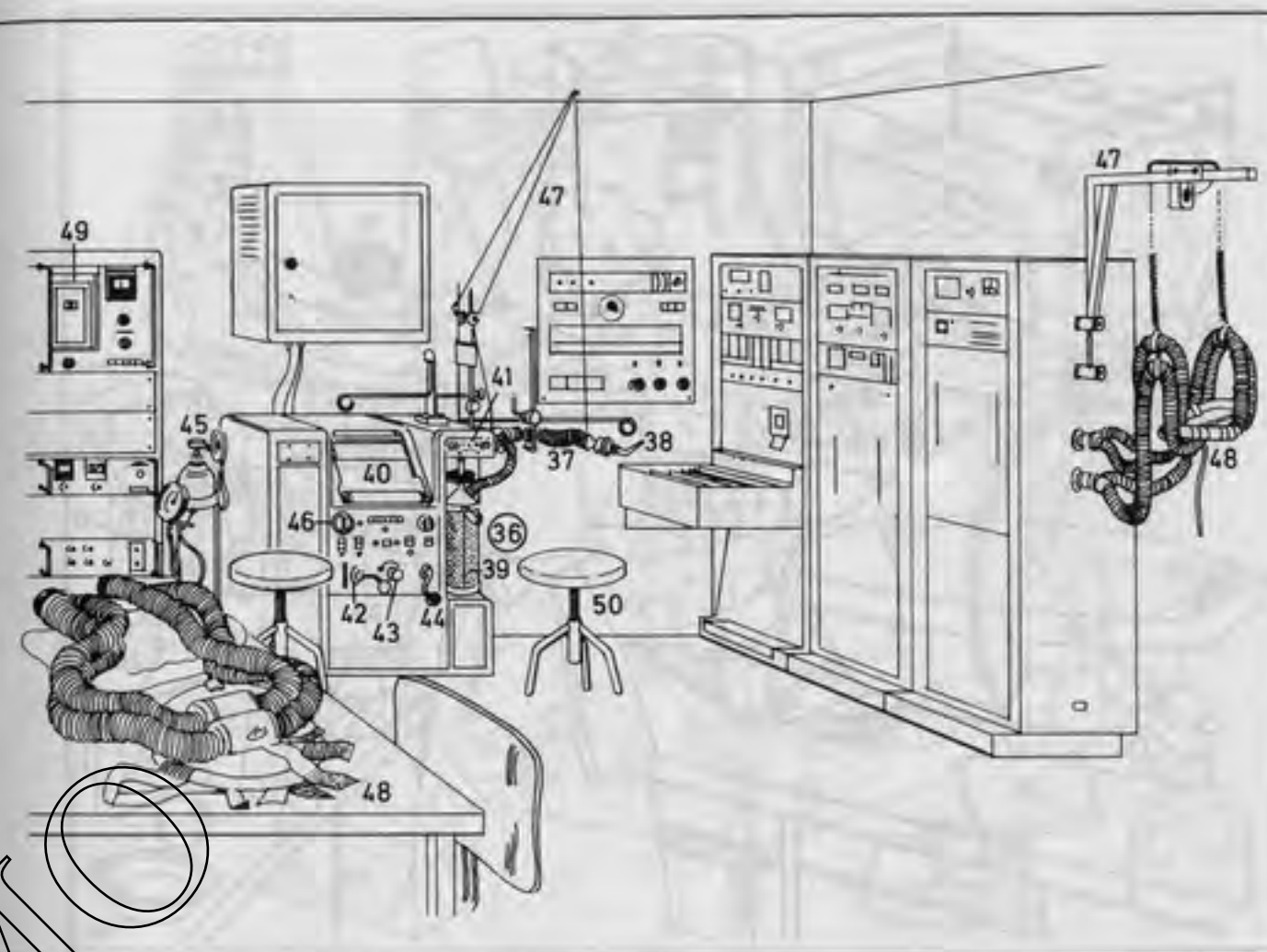
**32 sphygmograph****33 monitor****34-54 preparation and sterilization room**

- 34 dressing material
- 35 small sterilizer
- 36 carriage of the operating table
- 37 mobile instrument table
- 38 sterile cloth
- 39 instrument tray
- 40-53 surgical instruments**
- 40 olive-pointed (bulb-headed) probe
- 41 hollow probe
- 42 curved scissors
- 43 scalpel (surgical knife)
- 44 ligature-holding forceps
- 45 sequestrum forceps
- 46 jaw
- 47 drainage tube
- 48 surgeon's tourniquet
- 49 artery forceps

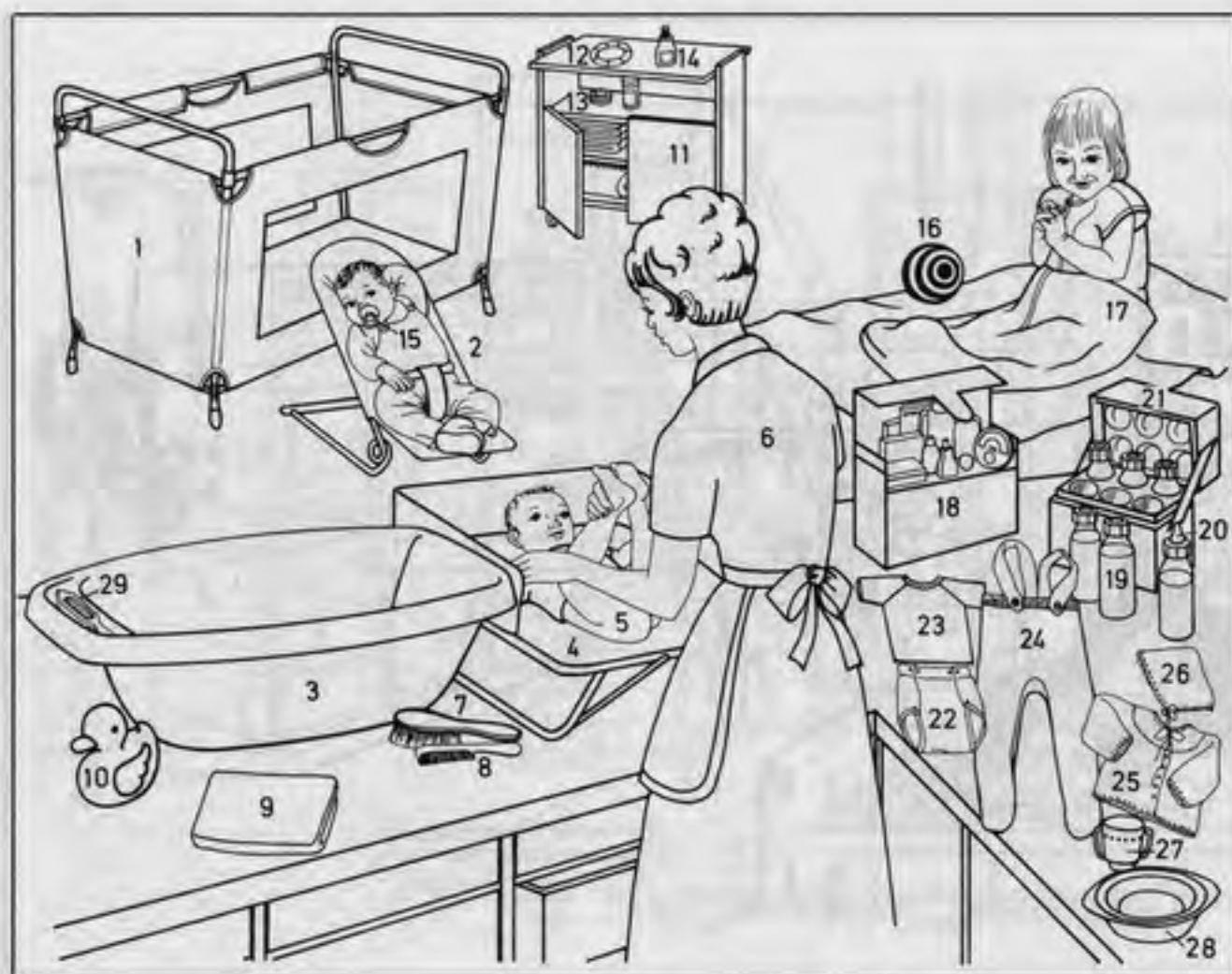
50 blunt hook**51 bone nippers (bone-cutting forceps)****52 scoop (curette) for erosion (curettage)****53 obstetrical forceps****54 roll of plaster**

**1-35 X-ray unit**

- 1 X-ray examination table
- 2 support for X-ray cassettes
- 3 height adjustment of the central beam for lateral views
- 4 compress for pyelography and cholecystography
- 5 instrument basin
- 6 X-ray apparatus for pyelograms
- 7 X-ray tube
- 8 telescopic X-ray support
- 9 central X-ray control unit
- 10 control panel (control desk)
- 11 radiographer (X-ray technician)
- 12 window to the angiography room
- 13 oxymeter
- 14 pyelogram cassettes
- 15 contrast medium injector
- 16 X-ray image intensifier
- 17 C-shaped frame
- 18 X-ray head with X-ray tube
- 19 image converter with converter tube
- 20 film camera
- 21 foot switch
- 22 mobile mounting
- 23 monitor
- 24 swivel-mounted monitor support
- 25 operating lamp
- 26 angiographic examination table
- 27 pillow
- 28 eight-channel recorder
- 29 recording paper
- 30 catheter gauge (*Am. gage*) unit for catheterization of the heart
- 31 six-channel monitor for pressure graphs and ECG
- 32 slide-in units of the pressure transducer
- 33 paper recorder unit with developer for photographic recording
- 34 recording paper
- 35 timer

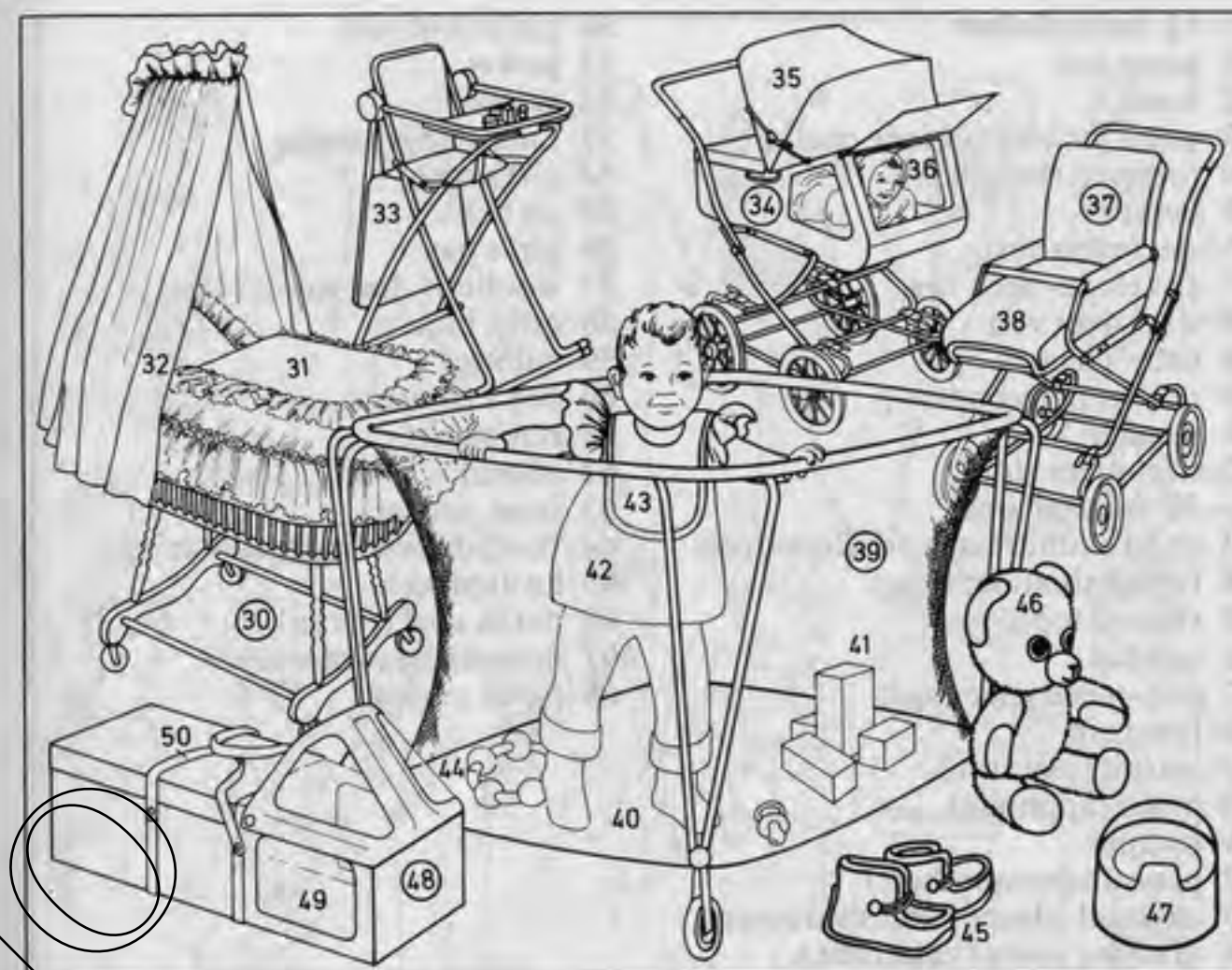
**36-50 spirometry**

- 36 spirometer for pulmonary function tests
- 37 breathing tube
- 38 mouthpiece
- 39 soda-lime absorber
- 40 recording paper
- 41 control knobs for gas supply
- 42 O₂-stabilizer
- 43 throttle valve
- 44 absorber attachment
- 45 oxygen cylinder
- 46 water supply
- 47 tube support
- 48 mask
- 49 CO₂ consumption meter
- 50 stool for the patient



- 1 collapsible cot
- 2 bouncing cradle
- 3 baby bath
- 4 changing top
- 5 baby (new-born baby)
- 6 mother
- 7 hairbrush
- 8 comb
- 9 hand towel
- 10 toy duck
- 11 changing unit
- 12 teething ring
- 13 cream jar
- 14 box of baby powder
- 15 dummy
- 16 ball
- 17 sleeping bag
- 18 layette box
- 19 feeding bottle
- 20 teat
- 21 bottle warmer
- 22 rubber baby pants for disposable nappies (Am. diapers)
- 23 vest
- 24 leggings

- 25 baby's jacket
- 26 hood
- 27 baby's cup
- 28 baby's plate, a stay-warm plate
- 29 thermometer



- 30 bassinet, a wicker pram
- 31 set of bassinet covers
- 32 canopy
- 33 baby's high chair, a folding chair
- 34 pram (baby-carriage)[with windows]
- 35 folding hood
- 36 window
- 37 pushchair (Am. stroller)
- 38 foot-muff (Am. foot-bag)
- 39 play pen
- 40 floor of the play pen
- 41 building blocks (building bricks)
- 42 small child
- 43 bib
- 44 rattle (baby's rattle)
- 45 booties
- 46 teddy bear
- 47 potty (baby's pot)
- 48 carrycot
- 49 window
- 50 handles

1-12 baby clothes

- 1 pram suit
- 2 hood
- 3 pram jacket (matinée coat)
- 4 pompon (bobble)
- 5 bootees
- 6 sleeveless vest
- 7 envelope-neck vest
- 8 wrapover vest
- 9 baby's jacket
- 10 rubber baby pants
- 11 playsuit
- 12 two-piece suit
- 13-30 infants' wear
- 13 child's sundress, a pinafore dress
- 14 frilled shoulder strap
- 15 Shirred top
- 16 sun hat
- 17 one-piece jersey suit
- 18 front zip
- 19 catsuit (playsuit)
- 20 motif (appliqué)
- 21 romper
- 22 playsuit (romper suit)
- 23 coverall (sleeper and strampler)
- 24 dressing gown (bath robe)
- 25 children's shorts
- 26 braces (Am. suspenders)
- 27 children's T-shirt
- 28 jersey dress (knitted dress)
- 29 embroidery
- 30 children's ankle socks

31-47 school children's wear

- 31 raincoat (loden coat)
- 32 leather shorts (lederhosen)
- 33 staghorn button
- 34 braces (Am. suspenders)
- 35 flap
- 36 girl's dirndl
- 37 cross lacing
- 38 snow suit (quilted suit)
- 39 quilt stitching (quilting)
- 40 dungarees (bib and brace)
- 41 bib skirt (bib top pinafore)
- 42 tights
- 43 sweater (jumper)
- 44 pile jacket
- 45 leggings
- 46 girl's skirt
- 47 child's jumper
- 48-68 teenagers' clothes
- 48 girl's overblouse (overtop)
- 49 slacks

- 50 girl's skirt suit
- 51 jacket
- 52 skirt
- 53 knee-length socks
- 54 girl's coat
- 55 tie belt
- 56 girl's bag
- 57 woollen (Am. woolen) hat
- 58 girl's blouse
- 59 culottes
- 60 boy's trousers
- 61 boy's shirt
- 62 anorak
- 63 inset pockets
- 64 hood drawstring (drawstring)
- 65 knitted welt
- 66 parka coat (parka)
- 67 drawstring (draw cord)
- 68 patch pockets



- 1 mink jacket
- 2 cowl neck jumper
- 3 cowl collar
- 4 knitted overtop
- 5 turndown collar
- 6 turn-up (turnover) sleeve
- 7 polo neck jumper
- 8 pinafore dress
- 9 blouse with revers collar
- 10 shirt-waister dress, a button-through dress
- 11 belt
- 12 winter dress
- 13 piping
- 14 cuff
- 15 long sleeve
- 16 quilted waistcoat
- 17 quilt stitching (quilting)
- 18 leather trimming
- 19 winter slacks
- 20 striped polo jumper
- 21 boiler suit (dungarees, bib and brace)
- 22 patch pocket
- 23 front pocket
- 24 bib
- 25 wrapover dress (wrap-around dress)
- 26 shirt
- 27 peasant-style dress
- 28 floral braid
- 29 tunic (tunic top, tunic dress)
- 30 ribbed cuff
- 31 quilted design
- 32 pleated skirt
- 33 two-piece knitted dress
- 34 boat neck, a neckline
- 35 turn-up
- 36 kimono sleeve
- 37 knitted design
- 38 lumber-jacket
- 39 cable pattern
- 40 shirt-blouse
- 41 loop fastening
- 42 embroidery
- 43 stand-up collar
- 44 cossack trousers
- 45 two-piece combination (shirt top and long skirt)
- 46 tie (bow)
- 47 decorative facing
- 48 cuff slit
- 49 side slit

- 50 tabard
- 51 inverted pleat skirt
- 52 godet
- 53 evening gown
- 54 pleated bell sleeve
- 55 party blouse
- 56 party skirt
- 57 trouser suit (slack suit)
- 58 suede jacket
- 59 fur trimming
- 60 fur coat (*kinds: Persian lamb, broadtail, mink, sable*)
- 61 winter coat (cloth coat)
- 62 fur cuff (fur-trimmed cuff)
- 63 fur collar (fur-trimmed collar)
- 64 loden coat
- 65 cape
- 66 toggle fastenings
- 67 loden skirt
- 68 poncho-style coat
- 69 hood



- 1-15 ladies' underwear (ladies' underclothes, lingerie)
- 1 brassière (bra)
- 2 pantie-girdle
- 3 pantie-corsette
- 4 longline brassière (longline bra)
- 5 stretch girdle
- 6 suspender
- 7 vest
- 8 pantie briefs
- 9 ladies' knee-high stocking
- 10 long-legged (long leg) panties
- 11 long pants
- 12 tights (pantie-hose)
- 13 slip
- 14 waist slip
- 15 bikini briefs
- 16-21 ladies' nightwear
- 16 nightdress (nightgown, nightie)
- 17 pyjamas (*Am.* pajamas)
- 18 pyjama top
- 19 pyjama trousers
- 20 housecoat
- 21 vest and shorts set [for leisure wear and as nightwear]
- 22-29 men's underwear (men's underclothes)
- 22 string vest
- 23 string briefs
- 24 front panel
- 25 sleeveless vest
- 26 briefs
- 27 trunks
- 28 short-sleeved vest
- 29 long johns
- 30 braces (*Am.* suspenders)
- 31 braces clip
- 32-34 men's socks
- 32 knee-length sock
- 33 elasticated top
- 34 long sock
- 35-37 men's nightwear
- 35 dressing gown
- 36 pyjamas (*Am.* pajamas)
- 37 nightshirt

- 38-47 men's shirts
- 38 casual shirt
- 39 belt
- 40 cravat
- 41 tie
- 42 knot
- 43 dress shirt
- 44 frill (frill front)
- 45 cuff
- 46 cuff link
- 47 bow-tie



1-67 men's fashion

- 1 single-breasted suit, a men's suit
- 2 jacket
- 3 suit trousers
- 4 waistcoat (vest)
- 5 lapel
- 6 trouser leg with crease
- 7 dinner dress, an evening suit
- 8 silk lapel
- 9 breast pocket
- 10 dress handkerchief
- 11 bow-tie
- 12 side pocket
- 13 tailcoat (tails), evening dress
- 14 coat-tail
- 15 white waistcoat (vest)
- 16 white bow-tie
- 17 casual suit
- 18 pocket flap
- 19 front yoke
- 20 denim suit
- 21 denim jacket
- 22 jeans (denims)
- 23 waistband
- 24 beach suit
- 25 shorts
- 26 short-sleeved jacket
- 27 tracksuit
- 28 tracksuit top with zip
- 29 tracksuit bottoms
- 30 cardigan
- 31 knitted collar
- 32 men's short-sleeved pullover (men's short-sleeved sweater)
- 33 short-sleeved shirt
- 34 shirt button
- 35 turn-up
- 36 knitted shirt
- 37 casual shirt
- 38 patch pocket
- 39 casual jacket
- 40 knee-breeches
- 41 knee strap
- 42 knee-length sock
- 43 leather jacket
- 44 bib and brace overalls
- 45 adjustable braces (*Am.* suspenders)
- 46 front pocket
- 47 trouser pocket
- 48 fly
- 49 rule pocket
- 50 check shirt

- 51 men's pullover
- 52 heavy pullover
- 53 knitted waistcoat (vest)
- 54 blazer
- 55 jacket button
- 56 overall
- 57 trenchcoat
- 58 coat collar
- 59 coat belt
- 60 poplin coat
- 61 coat pocket
- 62 fly front
- 63 car coat
- 64 coat button
- 65 scarf
- 66 cloth coat
- 67 glove

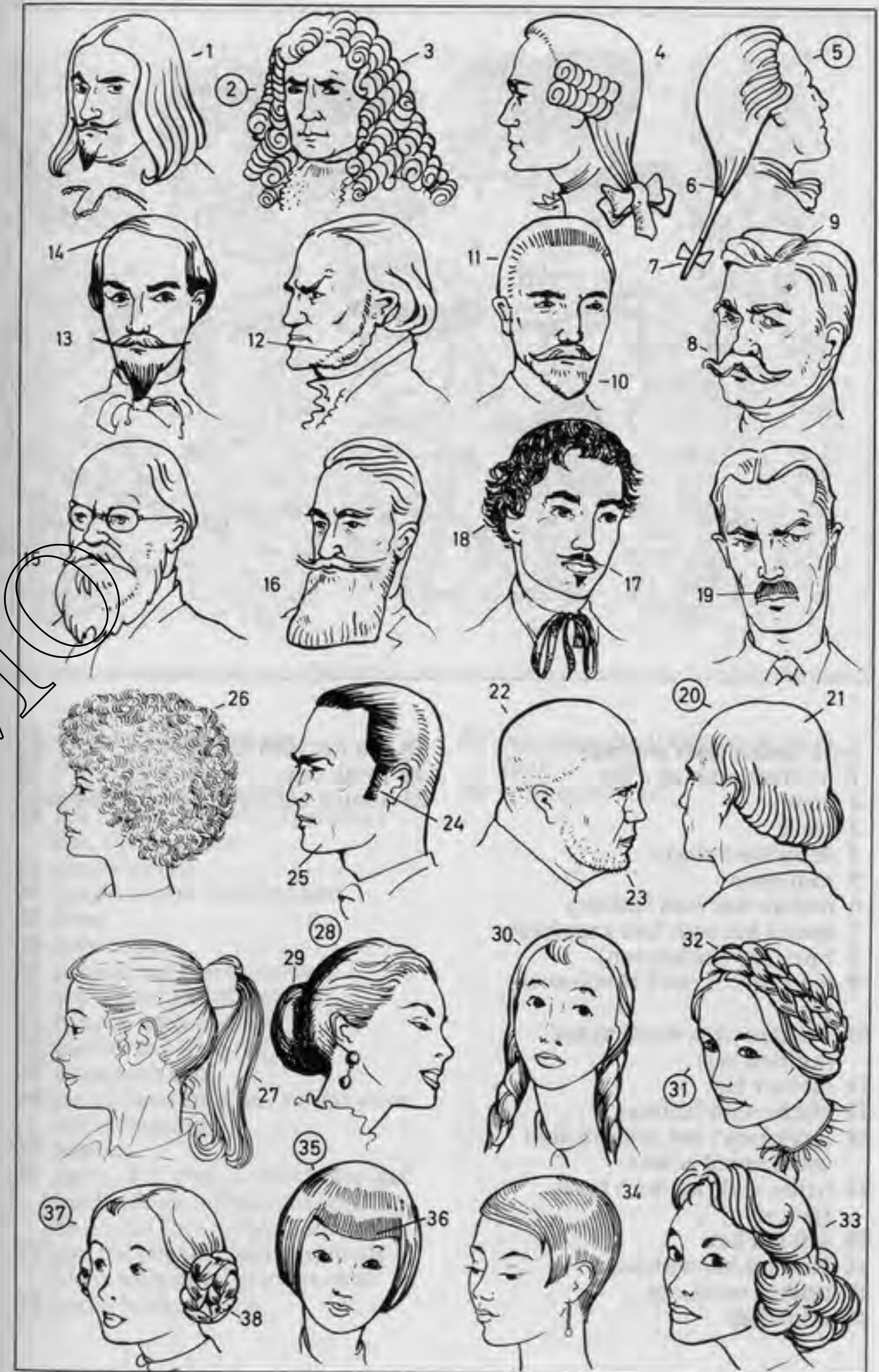


1-25 men's beards and hairstyles

- 1 long hair worn loose
- 2 allonge periwig (full-bottomed wig), a wig; shorter and smoother: bob wig, toupet
- 3 curls
- 4 bag wig (purse wig)
- 5 pigtail wig
- 6 queue (pigtail)
- 7 bow (ribbon)
- 8 handlebars (handlebar moustache, *Am.* mustache)
- 9 centre (*Am.* center) parting
- 10 goatee (goatee beard), chintuft
- 11 closely-cropped head of hair (crew cut)
- 12 whiskers
- 13 Vandyke beard (stiletto beard, bodkin beard), with waxed moustache (*Am.* mustache)
- 14 side parting
- 15 full beard (circular beard, round beard)
- 16 tile beard
- 17 shadow
- 18 head of curly hair
- 19 military moustache (*Am.* mustache) (*English-style* moustache)
- 20 partly bald head
- 21 bald patch
- 22 bald head
- 23 stubble beard (stubble, short beard bristles)
- 24 side-whiskers (sideboards, sideburns)
- 25 clean shave
- 26 Afro look (for men and women)

- 34 shingle (shingled hair, bobbed hair)
- 35 pageboy style
- 36 fringe (*Am.* bangs)
- 37 earphones
- 38 earphone (coiled plait)

- 27 ponytail
- 28 swept-back hair (swept-up hair, pinned-up hair)
- 29 bun (chignon)
- 30 plaits (bunches)
- 31 chaplet hairstyle (Gretchen style)
- 32 chaplet (coiled plaits)
- 33 curled hair

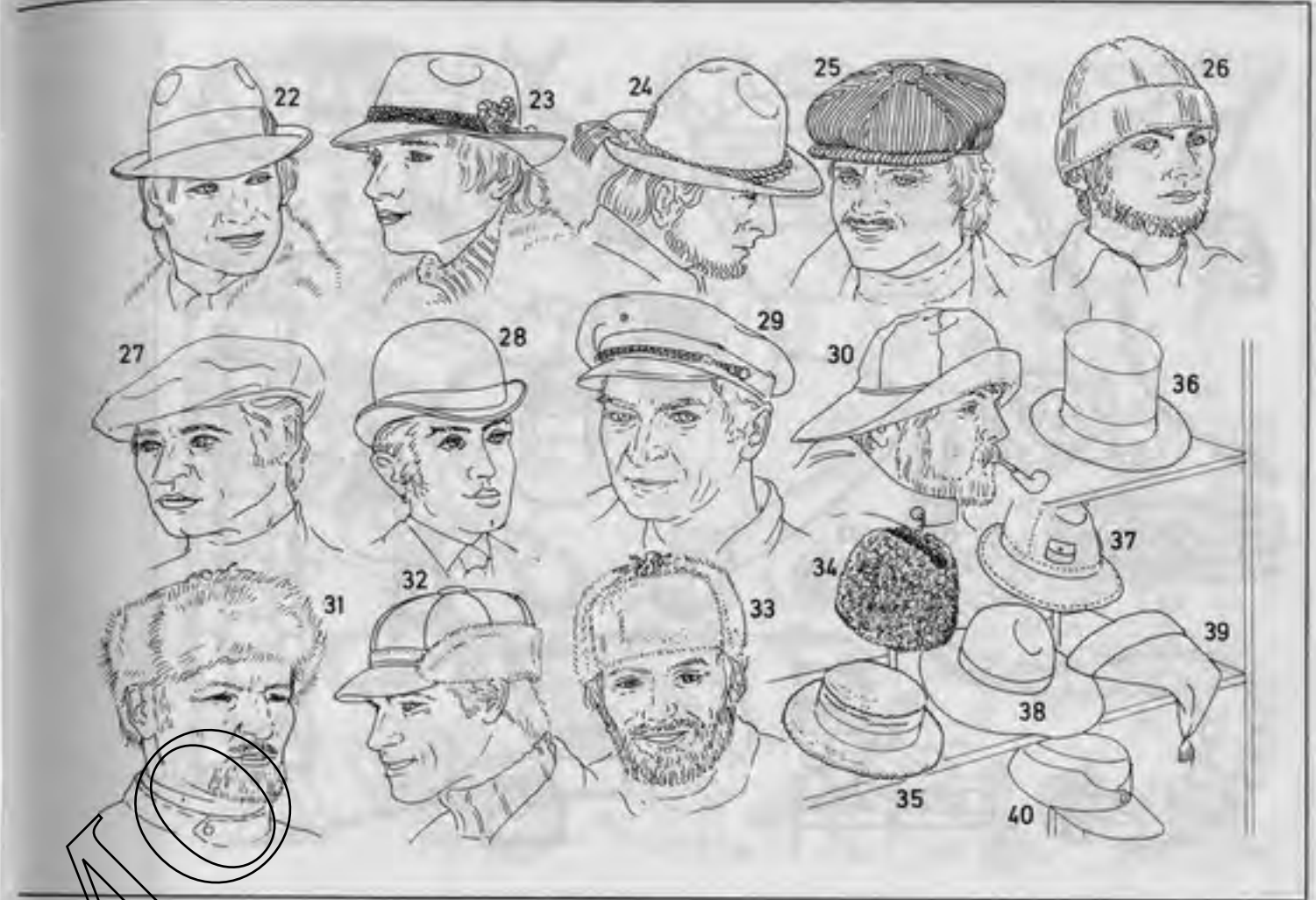


**1-21 ladies' hats and caps**

- 1 milliner making a hat
- 2 hood
- 3 block
- 4 decorative pieces
- 5 sombrero
- 6 mohair hat with feathers
- 7 model hat with fancy appliqué
- 8 linen cap (jockey cap)
- 9 hat made of thick candlewick yarn
- 10 woollen (*Am.* woolen) hat (knitted hat)
- 11 mohair hat
- 12 cloche with feathers
- 13 large men's hat made of sisal with corded ribbon
- 14 trilby-style hat with fancy ribbon
- 15 soft felt hat
- 16 Panama hat with scarf
- 17 peaked mink cap
- 18 mink hat

19 fox hat with leather top

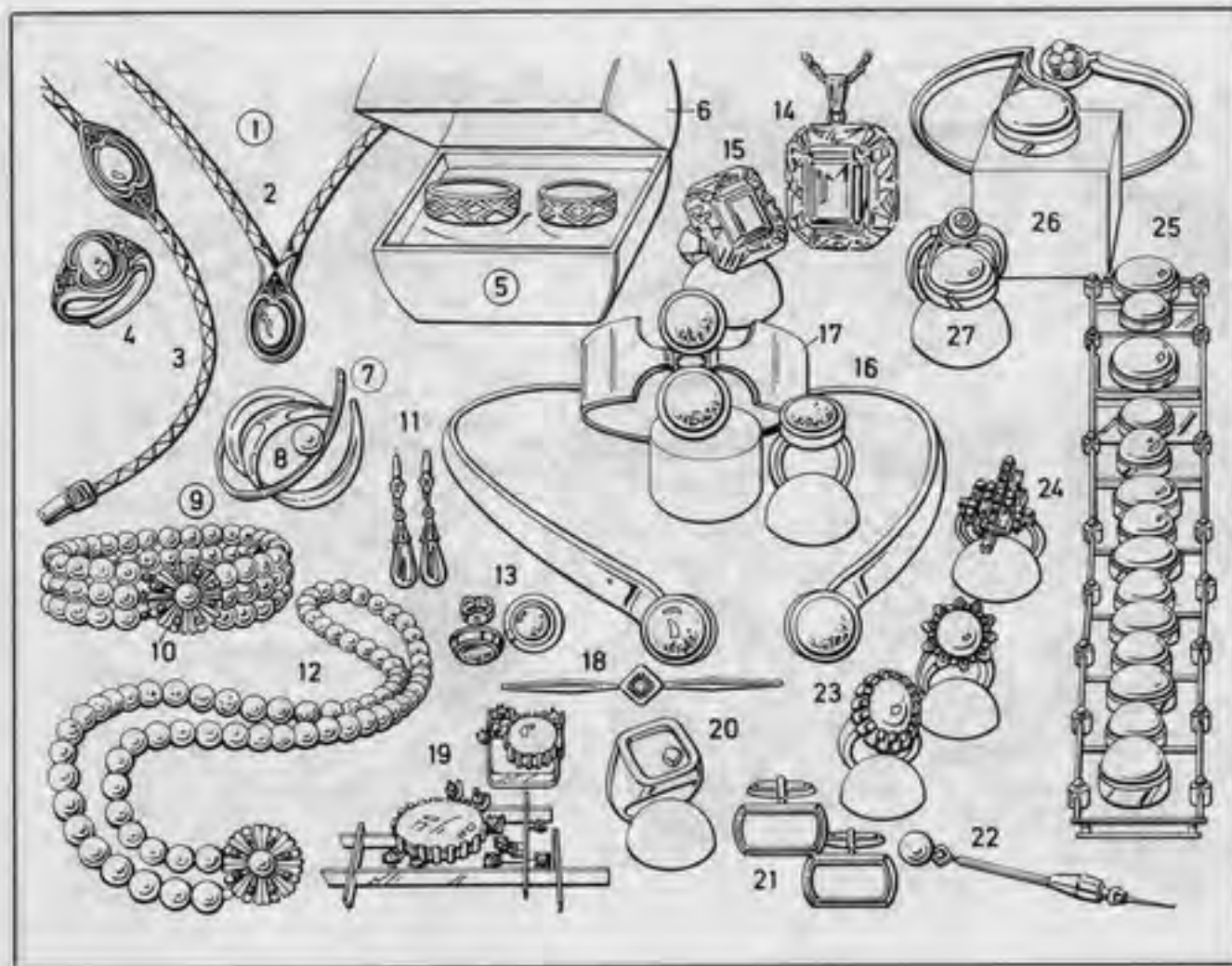
- 20 mink cap
- 21 slouch hat trimmed with flowers

**22-40 men's hats and caps**

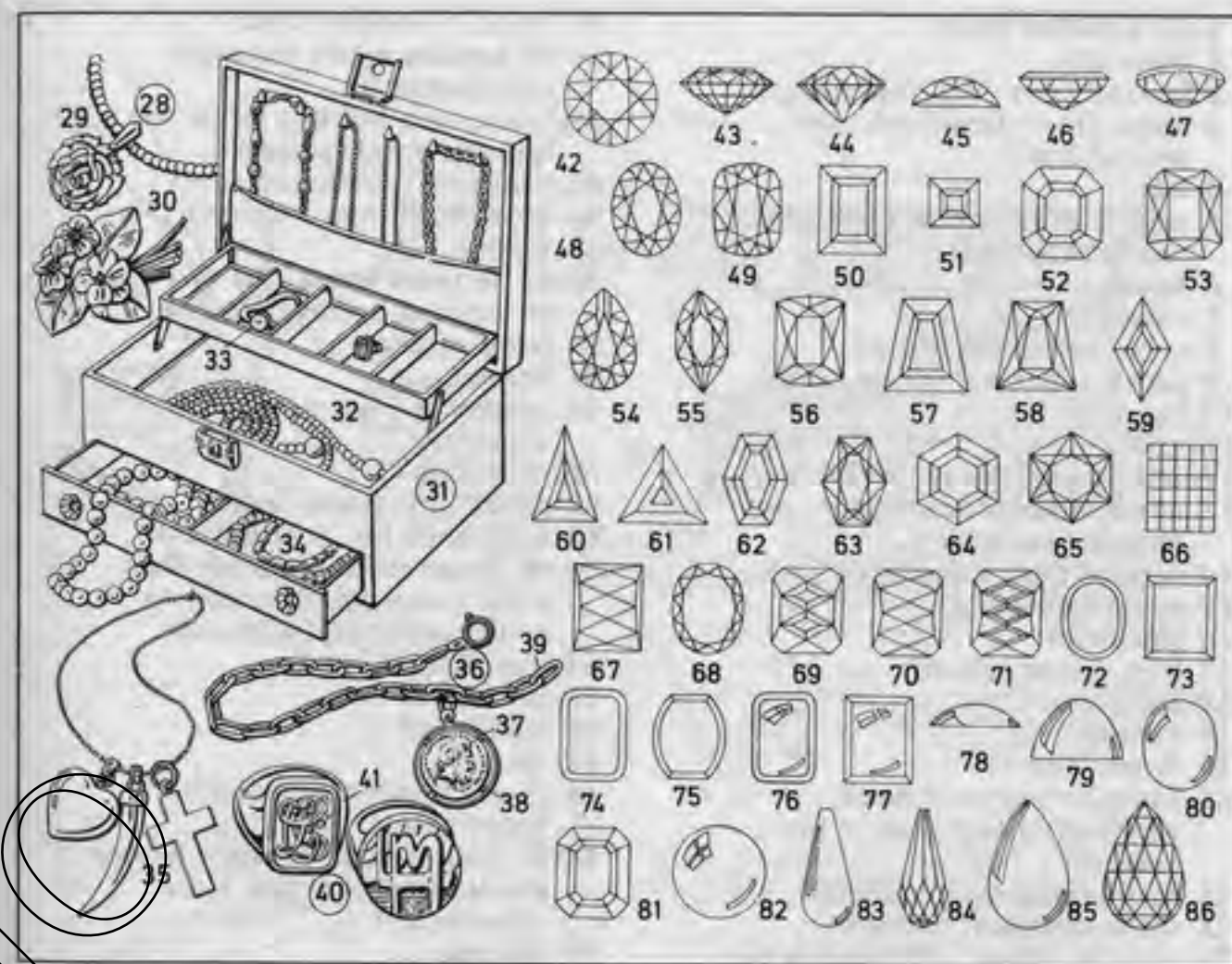
- 22 trilby hat (trilby)
- 23 loden hat (Alpine hat)
- 24 felt hat with tassels (Tyrolean hat, Tyrolese hat)
- 25 corduroy cap
- 26 woollen (*Am.* woolen) hat
- 27 beret
- 28 bowler hat
- 29 peaked cap (yachting cap)
- 30 sou'wester (southwester)
- 31 fox cap with earflaps
- 32 leather cap with fur flaps
- 33 musquash cap
- 34 astrakhan cap, a real or imitation astrakhan cap
- 35 boater
- 36 (grey, *Am.* gray, or black) top hat made of silk taffeta; *collapsible*: crush hat (opera hat, claque)
- 37 sun hat (lightweight hat) made of cloth with small patch pocket
- 38 wide-brimmed hat

39 toboggan cap (skiing cap, ski cap)

- 40 workman's cap

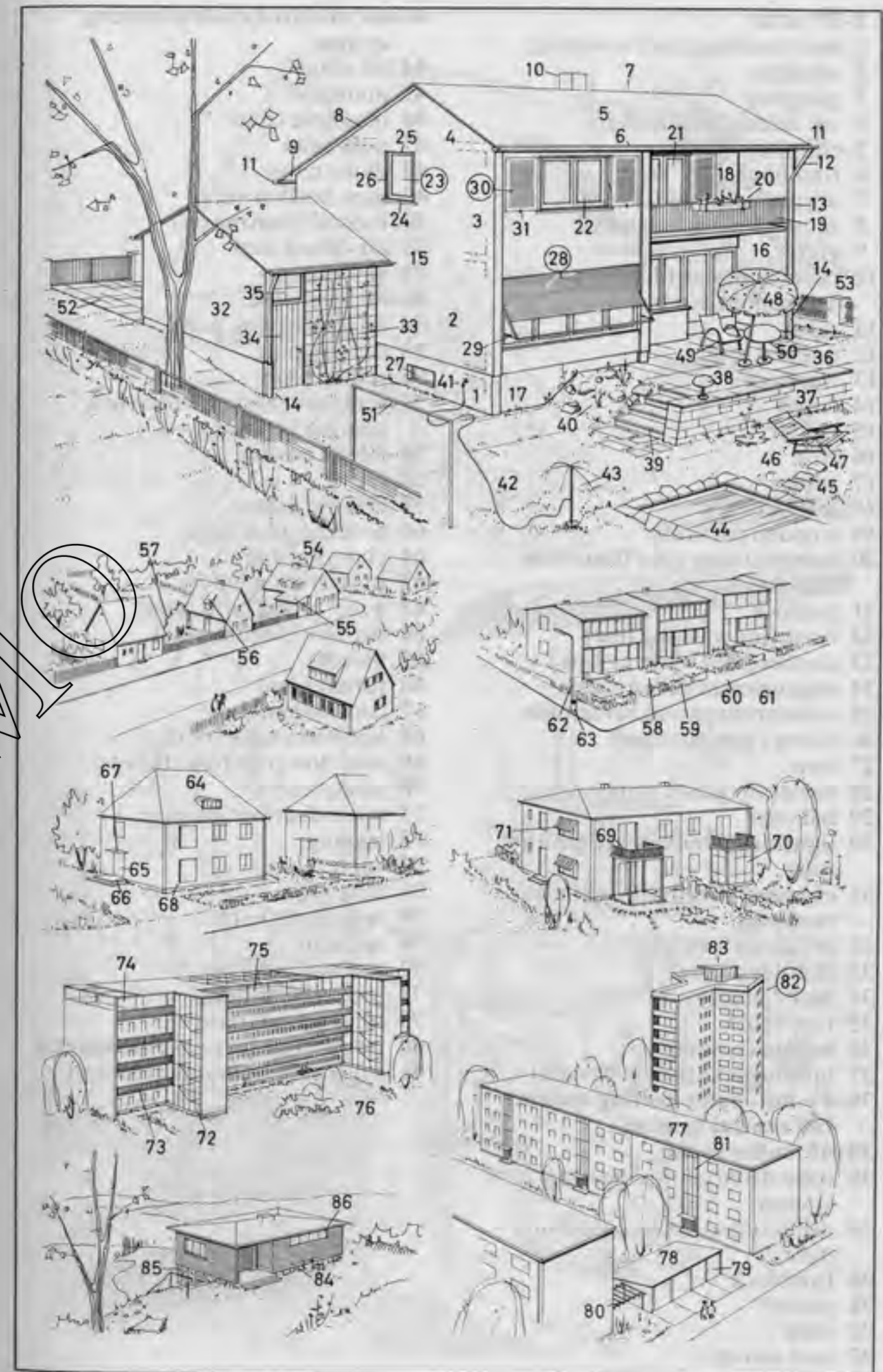


- 1 set of jewellery (Am. jewelry)
- 2 necklace
- 3 bracelet
- 4 ring
- 5 wedding rings
- 6 wedding ring box
- 7 brooch, a pearl brooch
- 8 pearl
- 9 cultured pearl bracelet
- 10 clasp, a white gold clasp
- 11 pendant earrings (drop earrings)
- 12 cultured pearl necklace
- 13 earrings
- 14 gemstone pendant
- 15 gemstone ring
- 16 choker (collar, neckband)
- 17 bangle
- 18 diamond pin
- 19 modern-style brooches
- 20 man's ring
- 21 cuff links
- 22 tiepin
- 23 diamond ring with pearl
- 24 modern-style diamond ring
- 25 gemstone bracelet
- 26 asymmetrical bangle
- 27 asymmetrical ring
- 28 ivory necklace
- 29 ivory rose
- 30 ivory brooch
- 31 jewel box (jewel case)
- 32 pearl necklace
- 33 bracelet watch
- 34 coral necklace
- 35 charms
- 36 coin bracelet
- 37 gold coin
- 38 coin setting
- 39 link
- 40 signet ring
- 41 engraving (monogram)



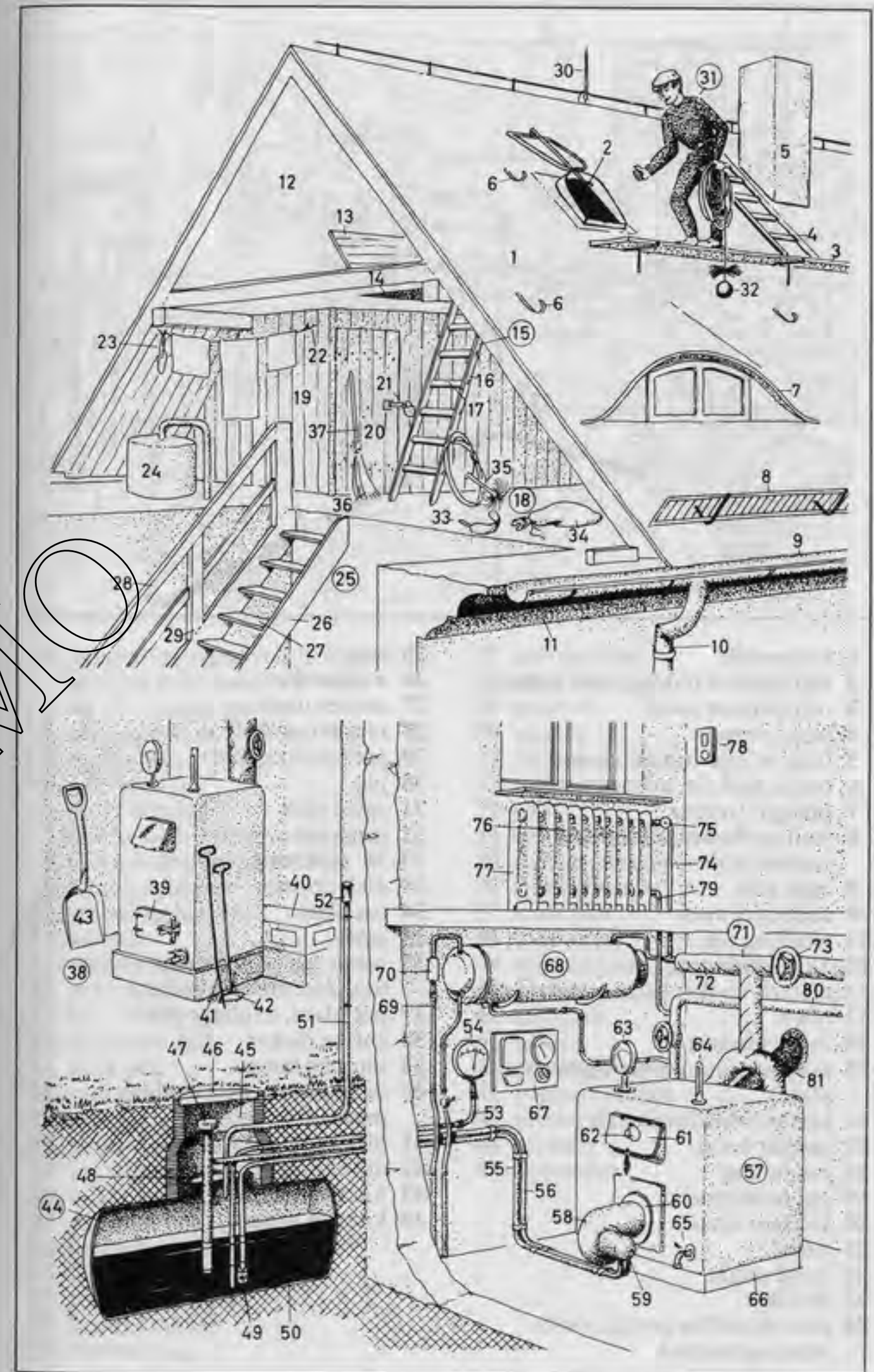
- 42-71 faceted stones
- 42-43 standard round cut
- 44 brilliant cut
- 45 rose cut
- 46 flat table
- 47 table en cabochon
- 48 standard cut
- 49 standard antique cut
- 50 rectangular step-cut
- 51 square step-cut
- 52 octagonal step-cut
- 53 octagonal cross-cut
- 54 standard pear-shape (pendeloque)
- 55 marquise (navette)
- 56 standard barrel-shape
- 57 trapezium step-cut
- 58 trapezium cross-cut
- 59 rhombus step-cut
- 60-61 triangular step-cut
- 62 hexagonal step-cut
- 63 oval hexagonal cross-cut
- 64 round hexagonal step-cut
- 65 round hexagonal cross-cut
- 66 chequer-board cut
- 67 triangle cut
- 68-71 fancy cuts
- 72-77 ring gemstones
- 72 oval flat table
- 73 rectangular flat table
- 74 octagonal flat table
- 75 barrel-shape
- 76 antique table en cabochon
- 77 rectangular table en cabochon
- 78-81 cabochons
- 78 round cabochon (simple cabochon)
- 79 high dome (high cabochon)
- 80 oval cabochon
- 81 octagonal cabochon
- 82-86 spheres and pear-shapes
- 82 plain sphere
- 83 plain pear-shape
- 84 faceted pear-shape
- 85 plain drop
- 86 faceted briolette

- 1-53 detached house
- 1 basement
- 2 ground floor (*Am.* first floor)
- 3 upper floor (first floor, *Am.* second floor)
- 4 loft
- 5 roof, a gable roof (saddle roof, saddleback roof)
- 6 gutter
- 7 ridge
- 8 verge with bargeboards
- 9 eaves, rafter-supported eaves
- 10 chimney
- 11 gutter
- 12 swan's neck (swan-neck)
- 13 rainwater pipe (downpipe, *Am.* downspout, leader)
- 14 vertical pipe, a cast-iron pipe
- 15 gable (gable end)
- 16 glass wall
- 17 base course (plinth)
- 18 balcony
- 19 parapet
- 20 flower box
- 21 French window (French windows) opening on to the balcony
- 22 double casement window
- 23 single casement window
- 24 window breast with window sill
- 25 lintel (window head)
- 26 reveal
- 27 cellar window (basement window)
- 28 rolling shutter
- 29 rolling shutter frame
- 30 window shutter (folding shutter)
- 31 shutter catch
- 32 garage with tool shed
- 33 espalier
- 34 batten door (ledged door)
- 35 fanlight with mullion and transom
- 36 terrace
- 37 garden wall with coping stones
- 38 garden light
- 39 steps
- 40 rockery (rock garden)
- 41 outside tap (*Am.* faucet) for the hose
- 42 garden hose
- 43 lawn sprinkler
- 44 paddling pool
- 45 stepping stones
- 46 sunbathing area (lawn)
- 47 deck-chair
- 48 sunshade (garden parasol)
- 49 garden chair
- 50 garden table
- 51 frame for beating carpets
- 52 garage driveway
- 53 fence, a wooden fence
- 54-57 housing estate (housing development)
- 54 house on a housing estate (on a housing development)
- 55 pent roof (penthouse roof)
- 56 dormer (dormer window)
- 57 garden
- 58-63 terraced house [one of a row of terraced houses], stepped
- 58 front garden
- 59 hedge
- 60 pavement (*Am.* sidewalk, walkway)
- 61 street (road)
- 62 street lamp (street light)
- 63 litter bin (*Am.* litter basket)
- 64-68 house divided into two flats (*Am.* house divided into two apartments, duplex house)
- 64 hip (hipped) roof
- 65 front door
- 66 front steps
- 67 canopy
- 68 flower window (window for house plants)
- 69-71 pair of semi-detached houses divided into four flats (*Am.* apartments)
- 69 balcony
- 70 sun lounge (*Am.* sun parlor)
- 71 awning (sun blind, sunshade)
- 72-76 block of flats (*Am.* apartment building, apartment house) with access balconies
- 72 staircase
- 73 balcony
- 74 studio flat (*Am.* studio apartment)
- 75 sun roof, a sun terrace
- 76 open space
- 77-81 multi-storey block of flats (*Am.* multistorey apartment building, multistorey apartment house)
- 77 flat roof
- 78 pent roof (shed roof, lean-to roof)
- 79 garage
- 80 pergola
- 81 staircase window
- 82 high-rise block of flats (*Am.* high-rise apartment building, high-rise apartment house)
- 83 penthouse
- 84-86 weekend house, a timber house
- 84 horizontal boarding
- 85 natural stone base course (natural stone plinth)
- 86 strip windows (ribbon windows)



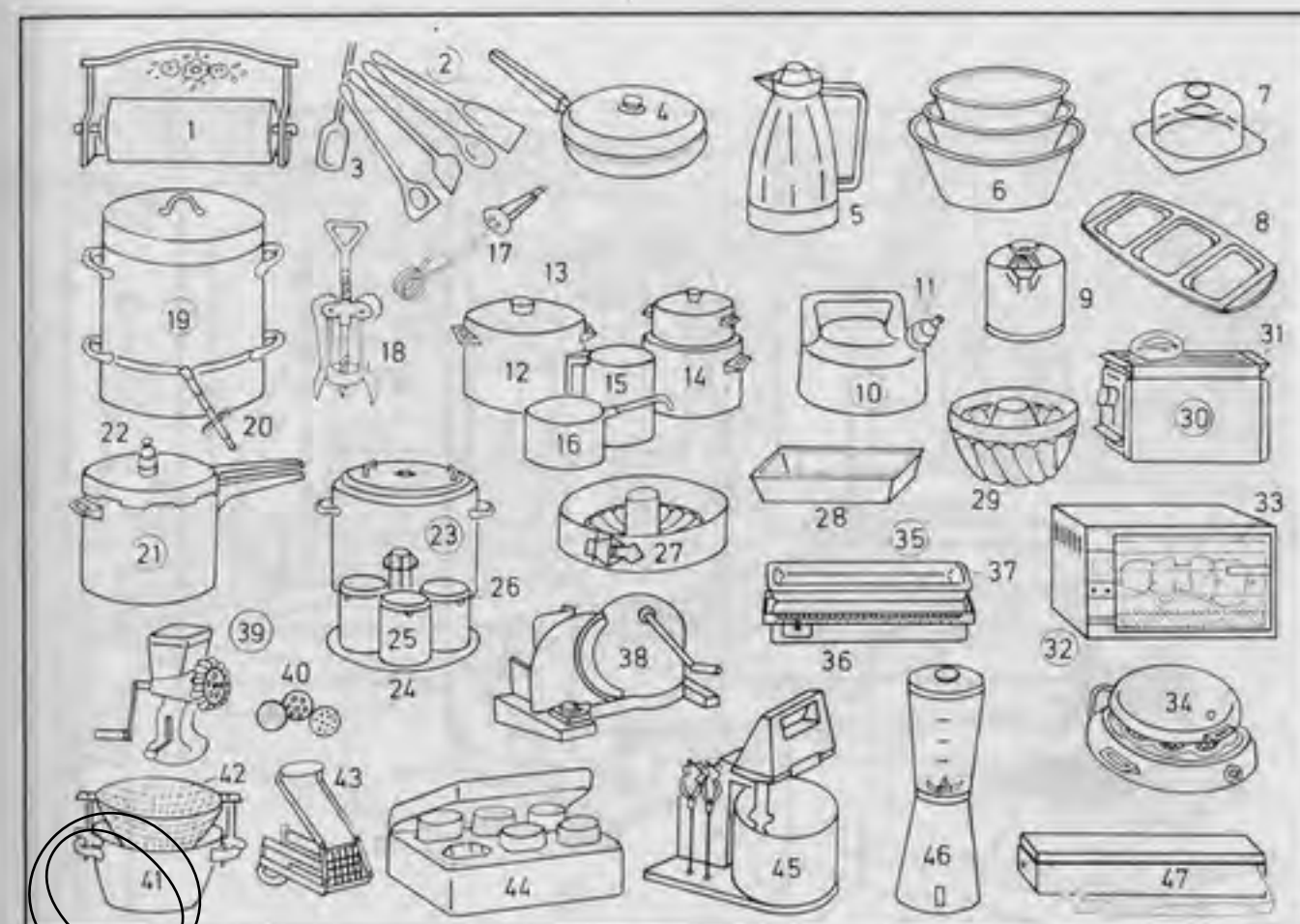
- 1-29 attic
- 1 roof cladding (roof covering)
- 2 skylight
- 3 gangway
- 4 cat ladder (roof ladder)
- 5 chimney
- 6 roof hook
- 7 dormer window (dormer)
- 8 snow guard (roof guard)
- 9 gutter
- 10 rainwater pipe (downpipe, *Am.* downspout, leader)
- 11 eaves
- 12 pitched roof
- 13 trapdoor
- 14 hatch
- 15 ladder
- 16 stile
- 17 rung
- 18 loft (attic)
- 19 wooden partition
- 20 lumber room door (boxroom door)
- 21 padlock
- 22 hook [for washing line]
- 23 clothes line (washing line)
- 24 expansion tank for boiler
- 25 wooden steps and balustrade
- 26 string (*Am.* stringer)
- 27 step
- 28 handrail (guard rail)
- 29 baluster
- 30 lightning conductor (lightning rod)
- 31 chimney sweep (*Am.* chimney sweeper)
- 32 brush with weight
- 33 shoulder iron
- 34 sack for soot
- 35 flue brush
- 36 broom (besom)
- 37 broomstick (broom handle)
- 38-81 hot-water heating system, full central heating
- 38-43 boiler room
- 38 coke-fired central heating system
- 39 ash box door (*Am.* cleanout door)
- 40 flueblock
- 41 poker
- 42 rake
- 43 coal shovel

- 44-60 oil-fired central heating system
- 44 oil tank
- 45 manhole
- 46 manhole cover
- 47 tank inlet
- 48 dome cover
- 49 tank bottom valve
- 50 fuel oil (heating oil)
- 51 air-bleed duct
- 52 air vent cap
- 53 oil level pipe
- 54 oil gauge (*Am.* gage)
- 55 suction pipe
- 56 return pipe
- 57 central heating furnace (oil heating furnace)
- 58-60 oil burner
- 58 fan
- 59 electric motor
- 60 covered pilot light
- 61 charging door
- 62 inspection window
- 63 water gauge (*Am.* gage)
- 64 furnace thermometer
- 65 bleeder
- 66 furnace bed
- 67 control panel
- 68 hot water tank (boiler)
- 69 overflow pipe (overflow)
- 70 safety valve
- 71 main distribution pipe
- 72 lagging
- 73 valve
- 74 flow pipe
- 75 regulating valve
- 76 radiator
- 77 radiator rib
- 78 room thermostat
- 79 return pipe (return)
- 80 return pipe [in two-pipe system]
- 81 smoke outlet (smoke extract)

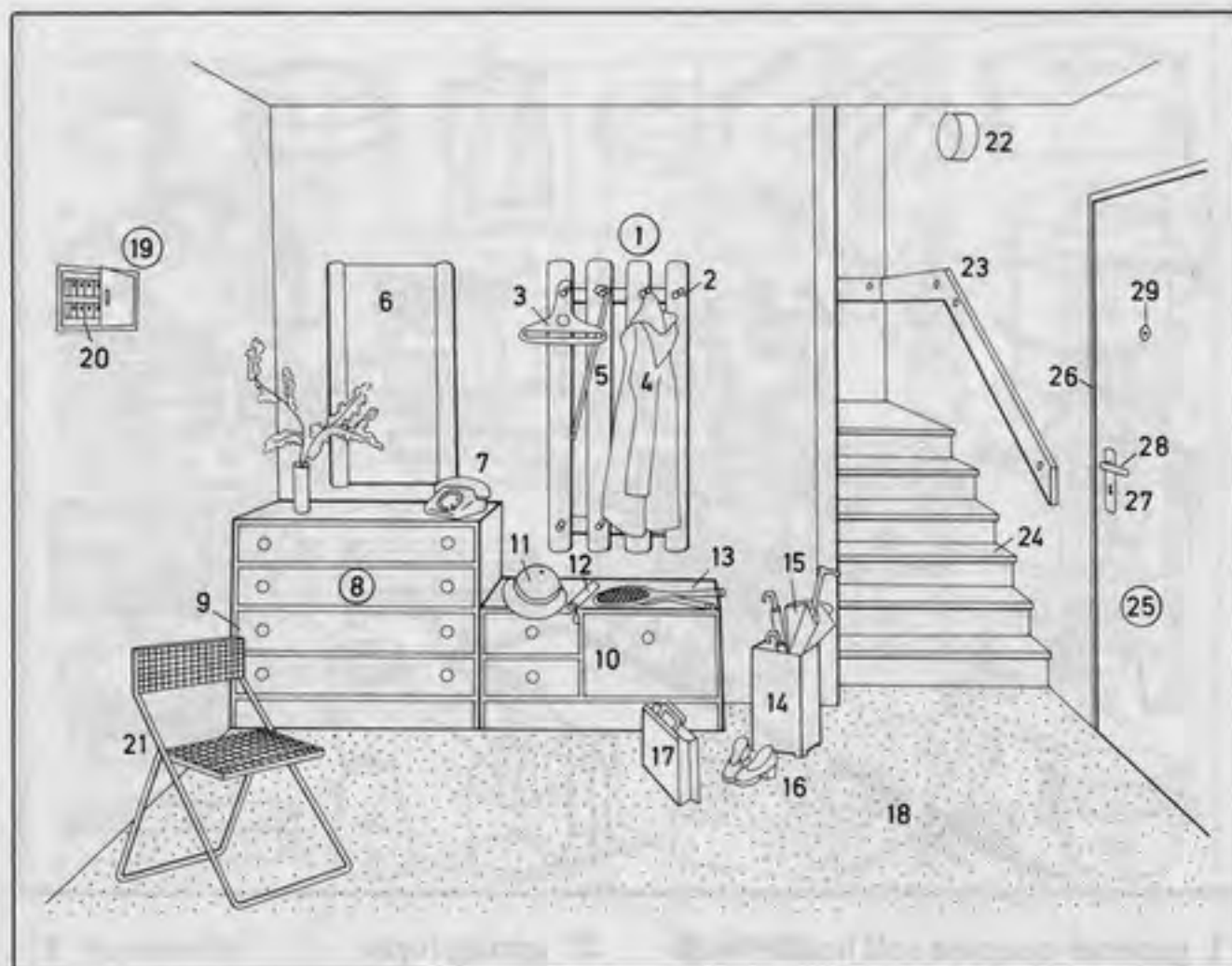




- | | |
|---|---|
| 1 housewife | 25 lead |
| 2 refrigerator (fridge, <i>Am.</i> icebox) | 26 wall socket |
| 3 refrigerator shelf | 27 corner unit |
| 4 salad drawer | 28 revolving shelf |
| 5 frozen food compartment | 29 pot (cooking pot) |
| 6 bottle rack (in storage door) | 30 jug |
| 7 upright freezer | 31 spice rack |
| 8 wall cupboard, a kitchen cupboard | 32 spice jar |
| 9 base unit | 33-36 sink unit |
| 10 cutlery drawer | 33 dish drainer |
| 11 working top | 34 tea plate |
| 12-17 cooker unit | 35 sink |
| 12 electric cooker (<i>also:</i> gas cooker) | 36 water tap (<i>Am.</i> faucet) (mixer tap, <i>Am.</i> mixing faucet) |
| 13 oven | 37 pot plant, a foliage plant |
| 14 oven window | 38 coffee maker |
| 15 hotplate (automatic high-speed plate) | 39 kitchen lamp |
| 16 kettle (whistling kettle) | 40 dishwasher (dishwashing machine) |
| 17 cooker hood | 41 dish rack |
| 18 pot holder | 42 dinner plate |
| 19 pot holder rack | 43 kitchen chair |
| 20 kitchen clock | 44 kitchen table |
| 21 timer | |
| 22 hand mixer | |
| 23 whisk | |
| 24 electric coffee grinder (with rotating blades) | |



- | | |
|--|--------------------------------------|
| 1 general-purpose roll holder with kitchen roll (paper towels) | 27 spring form |
| 2 set of wooden spoons | 28 cake tin |
| 3 mixing spoon | 29 cake tin |
| 4 frying pan | 30 toaster |
| 5 Thermos jug | 31 rack for rolls |
| 6 set of bowls | 32 rotisserie |
| 7 cheese dish with glass cover | 33 spit |
| 8 three-compartment dish | 34 electric waffle iron |
| 9 lemon squeezer | 35 sliding-weight scales |
| 10 whistling kettle | 36 sliding weight |
| 11 whistle | 37 scale pan |
| 12-16 pan set | 38 food slicer |
| 12 pot (cooking pot) | 39 mincer (<i>Am.</i> meat chopper) |
| 13 lid | 40 blades |
| 14 casserole dish | 41 chip pan |
| 15 milk pot | 42 basket |
| 16 saucepan | 43 potato chipper |
| 17 immersion heater | 44 yoghurt maker |
| 18 corkscrew [with levers] | 45 mixer |
| 19 juice extractor | 46 blender |
| 20 tube clamp (tube clip) | 47 bag sealer |
| 21 pressure cooker | |
| 22 pressure valve | |
| 23 fruit preserver | |
| 24 removable rack | |
| 25 preserving jar | |
| 26 rubber ring | |

**1-29 hall (entrance hall)**

- 1 coat rack
- 2 coat hook
- 3 coat hanger
- 4 rain cape
- 5 walking stick
- 6 hall mirror
- 7 telephone
- 8 chest of drawers for shoes, etc.
- 9 drawer
- 10 seat
- 11 ladies' hat
- 12 telescopic umbrella
- 13 tennis rackets (tennis racquets)
- 14 umbrella stand
- 15 umbrella
- 16 shoes
- 17 briefcase
- 18 fitted carpet
- 19 fuse box
- 20 miniature circuit breaker
- 21 tubular steel chair
- 22 stair light
- 23 handrail
- 24 step

- 25 front door
- 26 door frame
- 27 door lock
- 28 door handle
- 29 spyhole

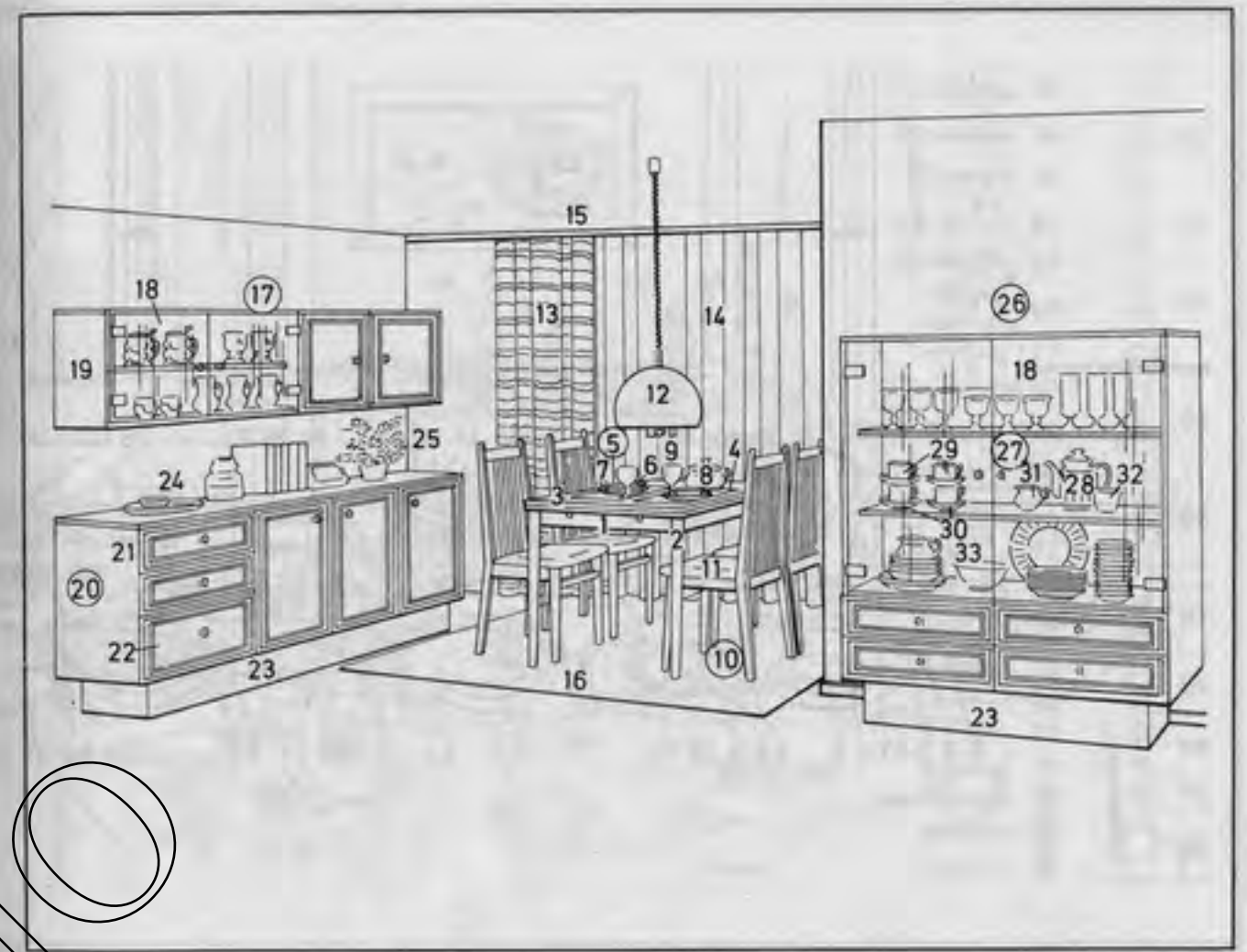


- 1 wall units
- 2 side wall
- 3 bookshelf
- 4 row of books
- 5 display cabinet unit
- 6 cupboard base unit
- 7 cupboard unit
- 8 television set (TV set)
- 9 stereo system (stereo equipment)
- 10 speaker (loudspeaker)
- 11 pipe rack
- 12 pipe
- 13 globe
- 14 brass kettle
- 15 telescope
- 16 mantle clock
- 17 bust
- 18 encyclopaedia [in several volumes]
- 19 room divider
- 20 drinks cupboard
- 21-26 upholstered suite (seating group)
- 21 armchair
- 22 arm

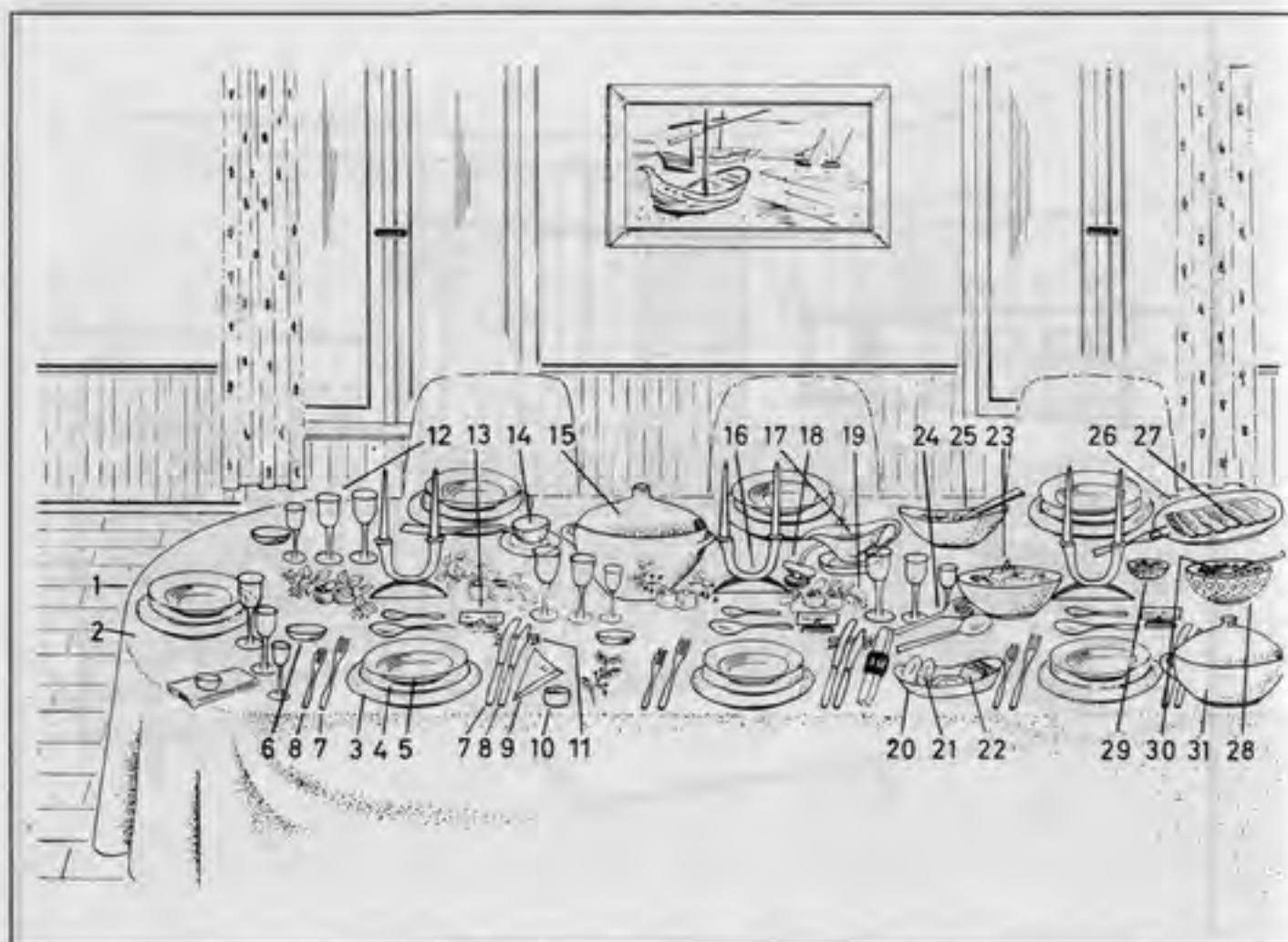
- 23 seat cushion (cushion)
- 24 settee
- 25 back cushion
- 26 [round] corner section
- 27 scatter cushion
- 28 coffee table
- 29 ashtray
- 30 tray
- 31 whisky (whiskey) bottle
- 32 soda water bottle (soda bottle)
- 33-34 dining set
- 33 dining table
- 34 chair
- 35 net curtain
- 36 indoor plants (houseplants)



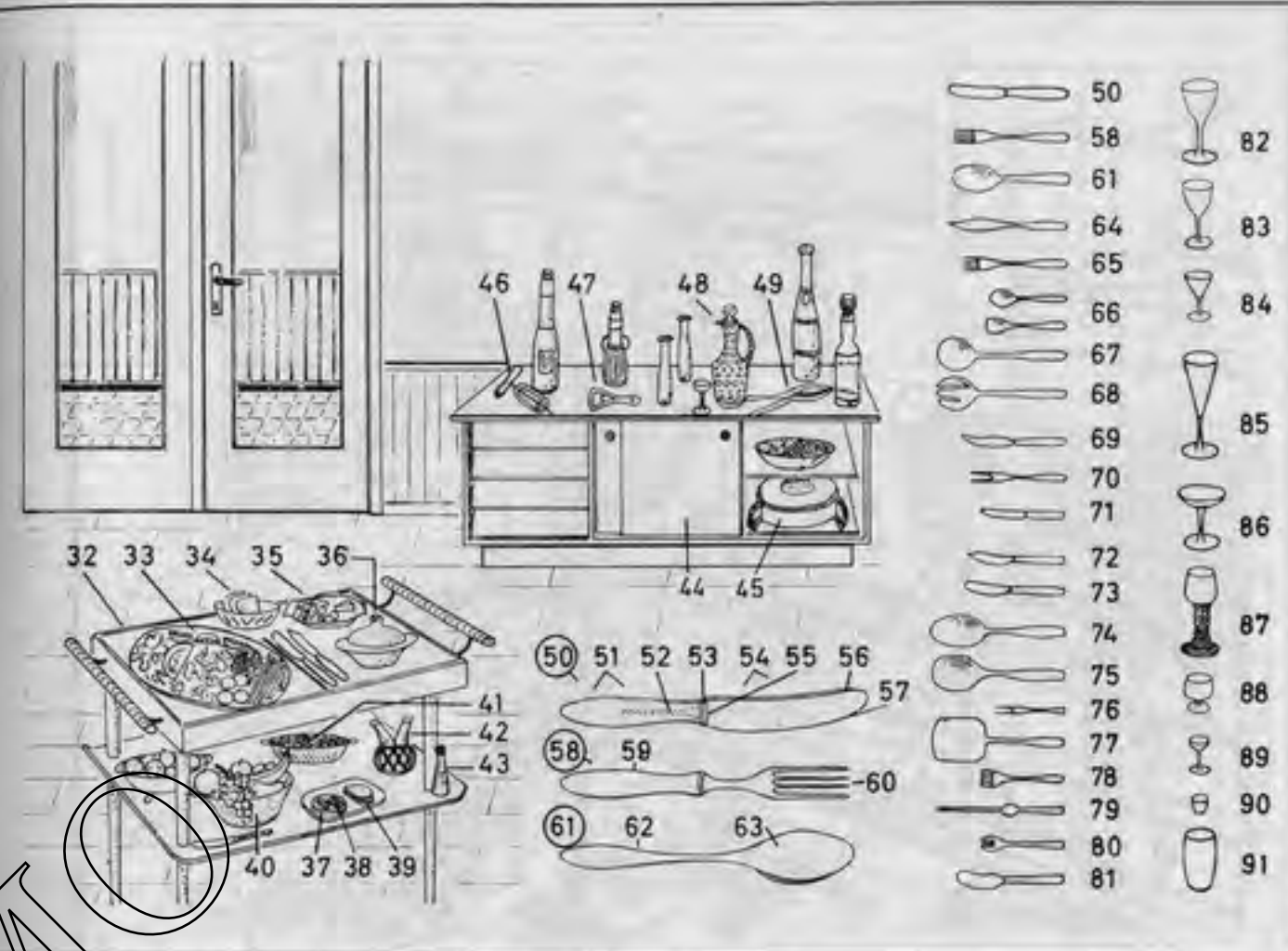
- 1 wardrobe (*Am.* clothes closet)
- 2 linen shelf
- 3 cane chair
- 4-13 **double bed** (*sim.*: double divan)
- 4-6 **bedstead**
- 4 foot of the bed
- 5 bed frame
- 6 headboard
- 7 bedspread
- 8 duvet, a quilted duvet
- 9 sheet, a linen sheet
- 10 mattress, a foam mattress with drill tick
- 11 [wedge-shaped] bolster
- 12-13 pillow
- 12 pillowcase (pillowslip)
- 13 tick
- 14 bookshelf [attached to the headboard]
- 15 reading lamp
- 16 electric alarm clock
- 17 bedside cabinet
- 18 drawer
- 19 bedroom lamp
- 20 picture
- 21 picture frame
- 22 bedside rug
- 23 fitted carpet
- 24 dressing stool
- 25 dressing table
- 26 perfume spray
- 27 perfume bottle
- 28 powder box
- 29 dressing-table mirror (mirror)



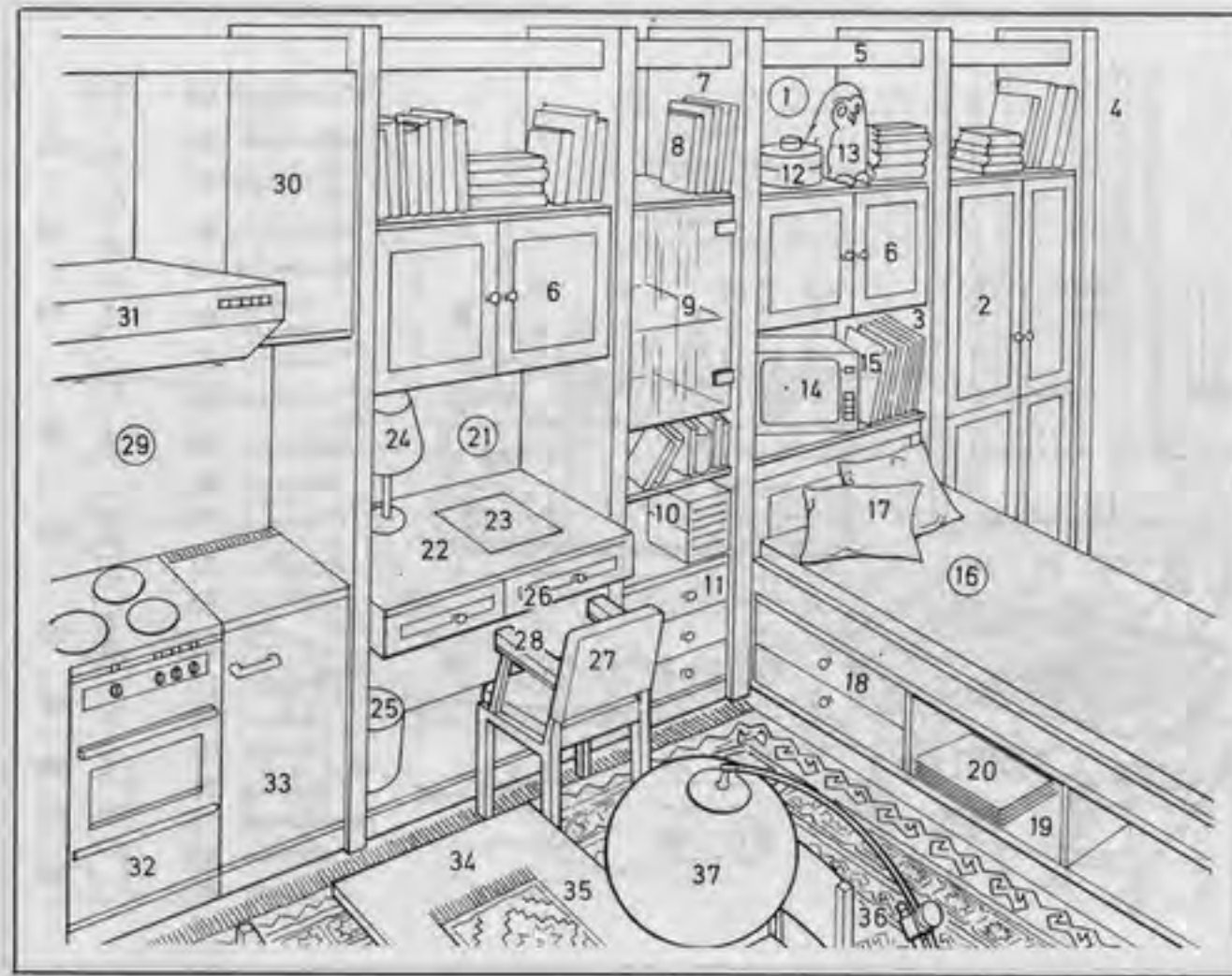
- 1-11 **dining set**
- 1 dining table
- 2 table leg
- 3 table top
- 4 place mat
- 5 place (place setting, cover)
- 6 soup plate (deep plate)
- 7 dinner plate
- 8 soup tureen
- 9 wineglass
- 10 dining chair
- 11 seat
- 12 lamp (pendant lamp)
- 13 curtains
- 14 net curtain
- 15 curtain rail
- 16 carpet
- 17 wall unit
- 18 glass door
- 19 shelf
- 20 sideboard
- 21 cutlery drawer
- 22 linen drawer
- 23 base
- 24 round tray
- 25 pot plant
- 26 china cabinet (display cabinet)
- 27 coffee set (coffee service)
- 28 coffee pot
- 29 coffee cup
- 30 saucer
- 31 milk jug
- 32 sugar bowl
- 33 dinner set (dinner service)



- 1 dining table
 2 tablecloth, a damask cloth
 3-12 **place** (place setting, cover)
 3 bottom plate
 4 dinner plate
 5 deep plate (soup plate)
 6 dessert plate (dessert bowl)
 7 knife and fork
 8 fish knife and fork
 9 serviette (napkin, table napkin)
 10 serviette ring (napkin ring)
 11 knife rest
 12 wineglasses
 13 place card
 14 soup ladle
 15 soup tureen (tureen)
 16 candelabra
 17 sauceboat (gravy boat)
 18 sauce ladle (gravy ladle)
 19 table decoration
 20 bread basket
 21 roll
 22 slice of bread
 23 salad bowl
 24 salad servers
 25 vegetable dish
 26 meat plate (*Am.* meat platter)
 27 roast meat (roast)
 28 fruit dish
 29 fruit bowl
 30 fruit (stewed fruit)
 31 potato dish
 32 serving trolley
 33 vegetable plate (*Am.* vegetable platter)
 34 toast
 35 cheeseboard
 36 butter dish
 37 open sandwich
 38 filling
 39 sandwich
 40 fruit bowl
 41 almonds (*also*: potato crisps, peanuts)
 42 oil and vinegar bottle
 43 ketchup (catchup, catsup)



- 44 sideboard
 45 electric hotplate
 46 corkscrew
 47 crown cork bottle-opener (crown cork opener), a bottle-opener
 48 liqueur decanter
 49 nutcrackers (nutcracker)
 50 knife
 51 handle
 52 tang (tongue)
 53 ferrule
 54 blade
 55 bolster
 56 back
 57 edge (cutting edge)
 58 fork
 59 handle
 60 prong (tang, tine)
 61 spoon; *here*: dessert spoon
 62 handle
 63 bowl
 64 fish knife
 65 fish fork
 66 dessert spoon (fruit spoon)
 67 salad spoon
 68 salad fork
 69-70 carving set (serving cutlery)
 69 carving knife
 70 serving fork
 71 fruit knife
 72 cheese knife
 73 butter knife
 74 vegetable spoon, a serving spoon
 75 potato server (serving spoon for potatoes)
 76 cocktail fork
 77 asparagus server (asparagus slice)
 78 sardine server
 79 lobster fork
 80 oyster fork
 81 caviare knife
 82 white wine glass
 83 red wine glass
 84 sherry glass (madeira glass)
 85-86 champagne glasses
 85 tapered glass
 86 champagne glass, a crystal glass
 87 rummer
 88 brandy glass
 89 liqueur glass
 90 spirit glass
 91 beer glass



- | | |
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| 1 wall units (shelf units) | 24 table lamp |
| 2 wardrobe door (<i>Am.</i> clothes closet door) | 25 wastepaper basket |
| 3 body | 26 desk drawer |
| 4 side wall | 27 desk chair |
| 5 trim | 28 arm |
| 6 two-door cupboard unit | 29 kitchen unit |
| 7 bookshelf unit (bookcase unit) [with glass door] | 30 wall cupboard |
| 8 books | 31 cooker hood |
| 9 display cabinet | 32 electric cooker |
| 10 card index boxes | 33 refrigerator (<i>fridge, Am.</i> icebox) |
| 11 drawer | 34 dining table |
| 12 decorative biscuit tin | 35 table runner |
| 13 soft toy animal | 36 oriental carpet |
| 14 television set (TV set) | 37 standard lamp |
| 15 records (discs) | |
| 16 bed unit | |
| 17 scatter cushion | |
| 18 bed unit drawer | |
| 19 bed unit shelf | |
| 20 magazines | |
| 21 desk unit (writing unit) | |
| 22 desk | |
| 23 desk mat (blotter) | |



- | | |
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| 1 children's bed, a bunk-bed | 25 school books |
| 2 storage box | 26 pencil (<i>also: crayon, felt tip pen, ballpoint pen</i>) |
| 3 mattress | 27 toy shop |
| 4 pillow | 28 counter |
| 5 ladder | 29 spice rack |
| 6 soft toy elephant, a cuddly toy animal | 30 display |
| 7 soft toy dog | 31 assortment of sweets (<i>Am.</i> candies) |
| 8 cushion | 32 bag of sweets (<i>Am.</i> candies) |
| 9 fashion doll | 33 scales |
| 10 doll's pram | 34 cash register |
| 11 sleeping doll | 35 toy telephone |
| 12 canopy | 36 shop shelves (goods shelves) |
| 13 blackboard | 37 wooden train set |
| 14 counting beads | 38 dump truck, a toy lorry (toy truck) |
| 15 toy horse for rocking and pulling | 39 tower crane |
| 16 rockers | 40 concrete mixer |
| 17 children's book | 41 large soft toy dog |
| 18 compendium of games | 42 dice cup |
| 19 ludo | |
| 20 chessboard | |
| 21 children's cupboard | |
| 22 linen drawer | |
| 23 drop-flap writing surface | |
| 24 notebook (exercise book) | |



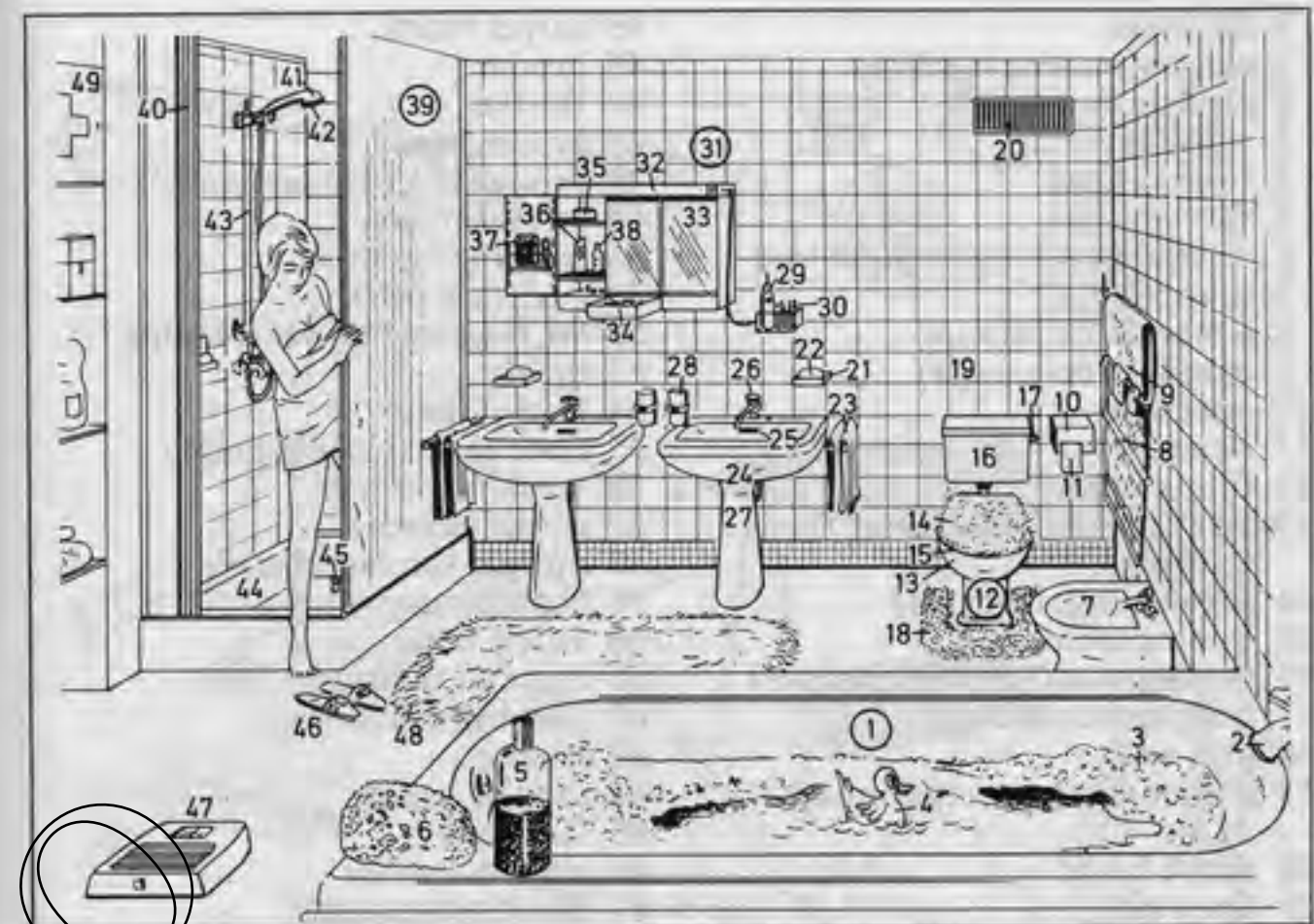
1-20 pre-school education

(nursery education)

- 1 nursery teacher
- 2 nursery child
- 3 handicraft
- 4 glue
- 5 watercolour (*Am.* watercolor) painting
- 6 paintbox
- 7 paintbrush
- 8 glass of water
- 9 jigsaw puzzle (puzzle)
- 10 jigsaw puzzle piece
- 11 coloured (*Am.* colored) pencils (wax crayons)
- 12 modelling (*Am.* modeling) clay (plasticine)
- 13 clay figures (plasticine figures)
- 14 modelling (*Am.* modeling) board
- 15 chalk (blackboard chalk)
- 16 blackboard
- 17 counting blocks
- 18 felt pen (felt tip pen)
- 19 shapes game
- 20 group of players

21-32 toys

- 21 building and filling cupes
- 22 construction set
- 23 children's books
- 24 doll's pram, a wicker pram
- 25 baby doll
- 26 canopy
- 27 building bricks (building blocks)
- 28 wooden model building
- 29 wooden train set
- 30 rocking teddy bear
- 31 doll's pushchair
- 32 fashion doll
- 33 child of nursery school age
- 34 cloakroom

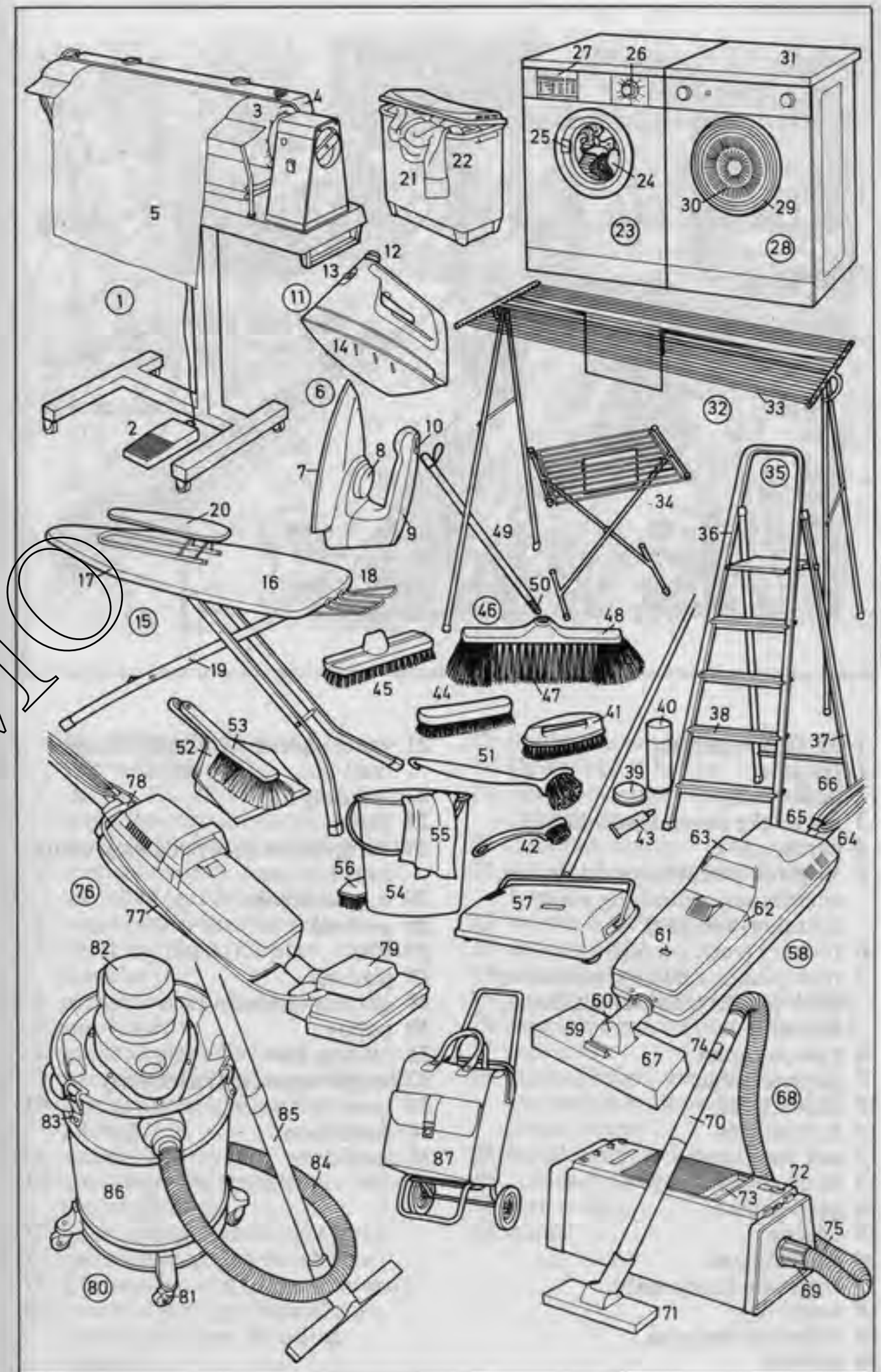


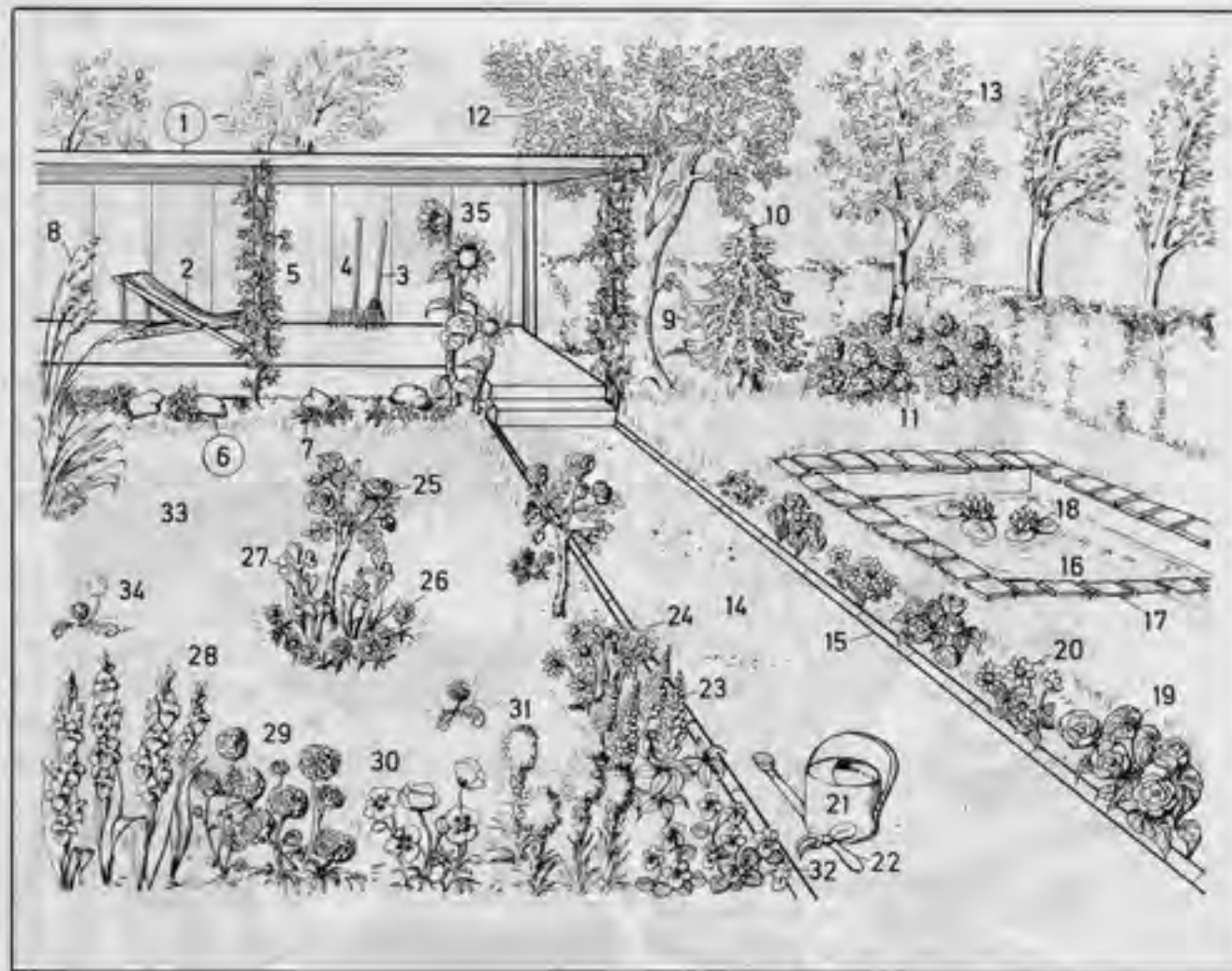
- 1 bath
- 2 mixer tap (*Am.* mixing faucet) for hot and cold water
- 3 foam bath (bubble bath)
- 4 toy duck
- 5 bath salts
- 6 bath sponge (sponge)
- 7 bidet
- 8 towel rail
- 9 terry towel
- 10 toilet roll holder (*Am.* bathroom tissue holder)
- 11 toilet paper (*coll.* loo paper, *Am.* bathroom tissue), a roll of crepe paper
- 12 toilet (lavatory, W.C., *coll.* loo)
- 13 toilet pan (toilet bowl)
- 14 toilet lid with terry cover
- 15 toilet seat
- 16 cistern
- 17 flushing lever
- 18 pedestal mat
- 19 tile
- 20 ventilator (extraction vent)
- 21 soap dish
- 22 soap
- 23 hand towel
- 24 washbasin

- 25 overflow
- 26 hot and cold water tap
- 27 washbasin pedestal with trap (anti-syphon trap)
- 28 tooth glass (tooth mug)
- 29 electric toothbrush
- 30 detachable brush heads
- 31 mirrored bathroom cabinet
- 32 fluorescent lamp
- 33 mirror
- 34 drawer
- 35 powder box
- 36 mouthwash
- 37 electric shaver
- 38 aftershave lotion
- 39 shower cubicle
- 40 shower curtain
- 41 adjustable shower head
- 42 shower nozzle
- 43 shower adjustment rail
- 44 shower base
- 45 waste pipe (overflow)
- 46 bathroom mat
- 47 bathroom scales
- 48 bath mat
- 49 medicine cabinet

- 1-20 irons
- 1 electric ironing machine
- 2 electric foot switch
- 3 roller covering
- 4 ironing head
- 5 sheet
- 6 electric iron, a lightweight iron
- 7 sole-plate
- 8 temperature selector
- 9 handle (iron handle)
- 10 pilot light
- 11 steam, spray, and dry iron
- 12 filling inlet
- 13 spray nozzle for damping the washing
- 14 steam hole (steam slit)
- 15 ironing table
- 16 ironing board (ironing surface)
- 17 ironing-board cover
- 18 iron well
- 19 aluminium (*Am.* aluminum) frame
- 20 sleeve board
- 21 linen bin
- 22 dirty linen
- 23-34 washing machines and driers
- 23 washing machine (automatic washing machine)
- 24 washing drum
- 25 safety latch (safety catch)
- 26 program selector control
- 27 front soap dispenser [with several compartments]
- 28 tumble drier
- 29 drum
- 30 front door with ventilation slits
- 31 work top
- 32 ailer
- 33 clothes line (washing line)
- 34 extending ailer
- 35 stepladder (steps), an aluminium (*Am.* aluminum) ladder
- 36 stile
- 37 prop
- 38 tread (rung)
- 39-43 shoe care utensils
- 39 tin of shoe polish
- 40 shoe spray, an impregnating spray
- 41 shoe brush
- 42 brush for applying polish
- 43 tube of shoe polish
- 44 clothes brush

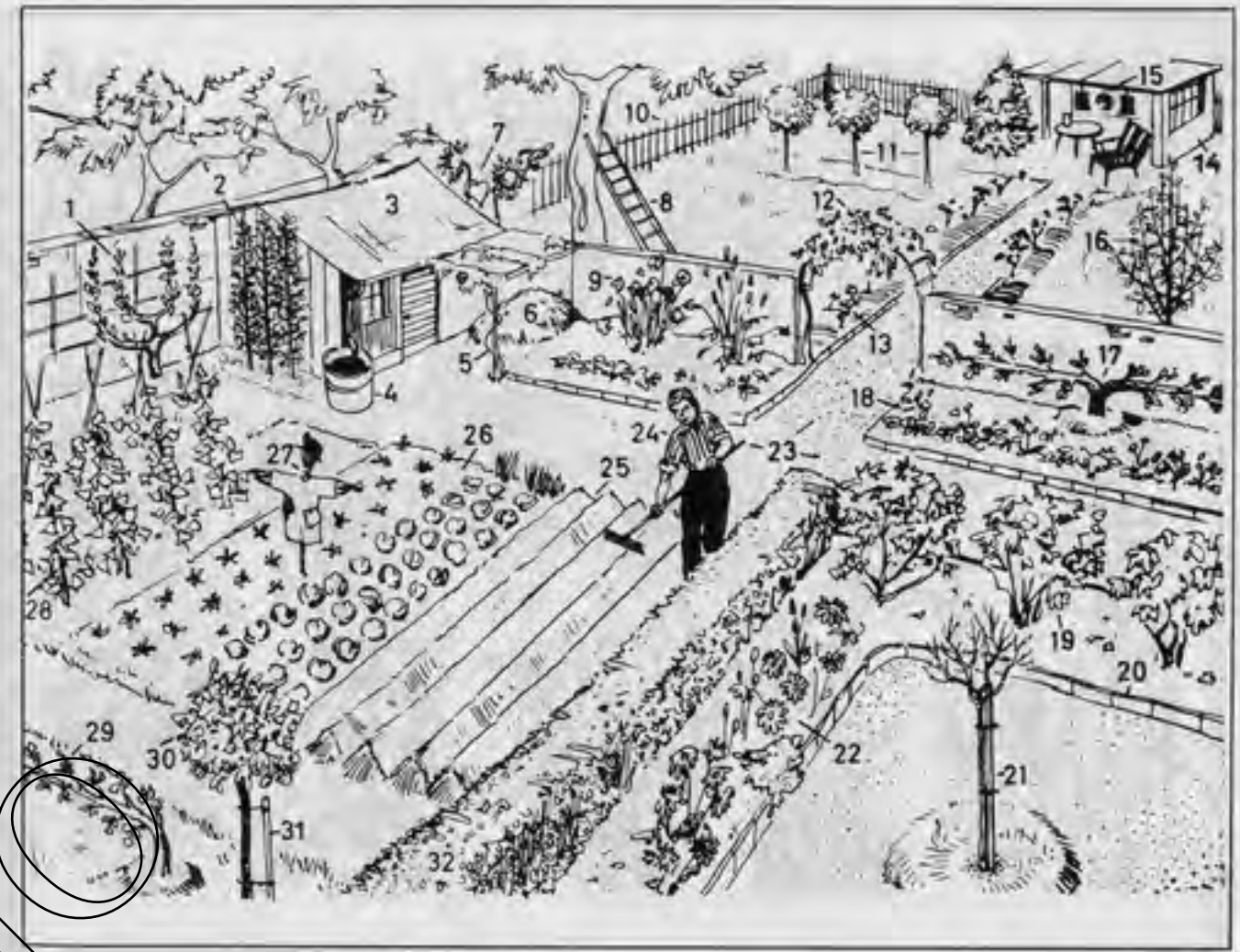
- 45 carpet brush
- 46 broom
- 47 bristles
- 48 broom head
- 49 broomstick (broom handle)
- 50 screw thread
- 51 washing-up brush
- 52 pan (dust pan)
- 53-86 floor and carpet cleaning
- 53 brush
- 54 bucket (pail)
- 55 floor cloth (cleaning rag)
- 56 scrubbing brush
- 57 carpet sweeper
- 58 upright vacuum cleaner
- 59 changeover switch
- 60 swivel head
- 61 bag-full indicator
- 62 dust bag container
- 63 handle
- 64 tubular handle
- 65 flex hook
- 66 wound-up flex
- 67 all-purpose nozzle
- 68 cylinder vacuum cleaner
- 69 swivel coupling
- 70 extension tube
- 71 floor nozzle (*sim.*: carpet beater nozzle)
- 72 suction control
- 73 bag-full indicator
- 74 sliding fingertip suction control
- 75 hose (suction hose)
- 76 combined carpet sweeper and shampooer
- 77 electric lead (flex)
- 78 plug socket
- 79 carpet beater head (*sim.*: shampooing head, brush head)
- 80 all-purpose vacuum cleaner (dry and wet operation)
- 81 castor
- 82 motor unit
- 83 lid clip
- 84 coarse dirt hose
- 85 special accessory (special attachment) for coarse dirt
- 86 dust container
- 87 shopper (shopping trolley)





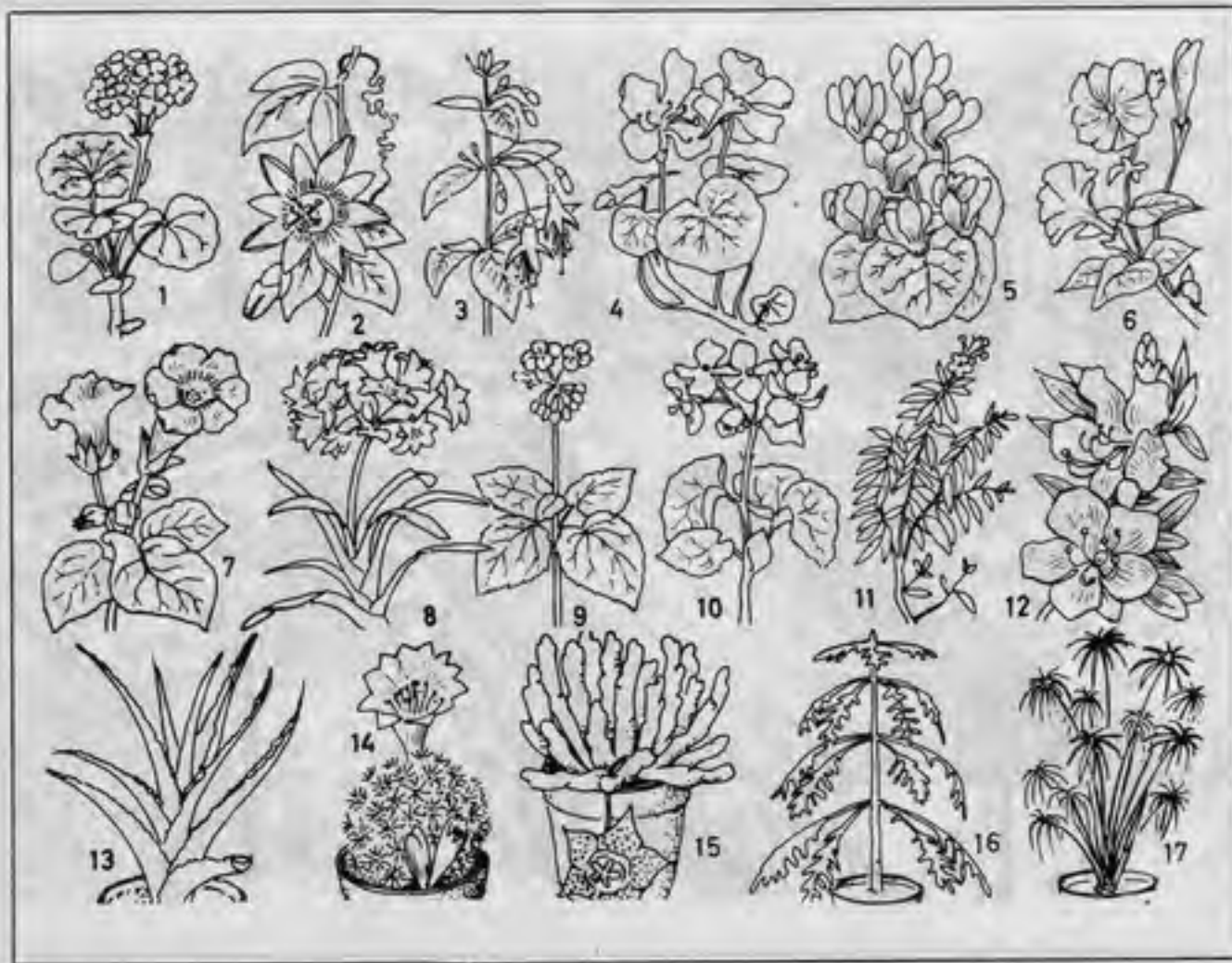
1-35 flower garden

- 1 pergola
- 2 deck-chair
- 3 lawn rake (wire-tooth rake)
- 4 garden rake
- 5 Virginia creeper (American ivy, woodbine), a climbing plant (climber, creeper)
- 6 rockery (rock garden)
- 7 rock plants; *varieties*: stonecrop (wall pepper), houseleek, dryas, aubretia
- 8 pampas grass
- 9 garden hedge
- 10 blue spruce
- 11 hydrangeas
- 12 oak (oak tree)
- 13 birch (birch tree)
- 14 garden path
- 15 edging
- 16 garden pond
- 17 flagstone (stone slab)
- 18 water lily
- 19 tuberous begonias
- 20 dahlias
- 21 watering can (*Am.* sprinkling can)
- 22 weeding hoe
- 23 lupin
- 24 marguerites (oxeye daisies, white oxeye daisies)
- 25 standard rose
- 26 gerbera
- 27 iris
- 28 gladioli
- 29 chrysanthemums
- 30 poppy
- 31 blazing star
- 32 snapdragon (*antirrhinum*)
- 33 lawn
- 34 dandelion
- 35 sunflower



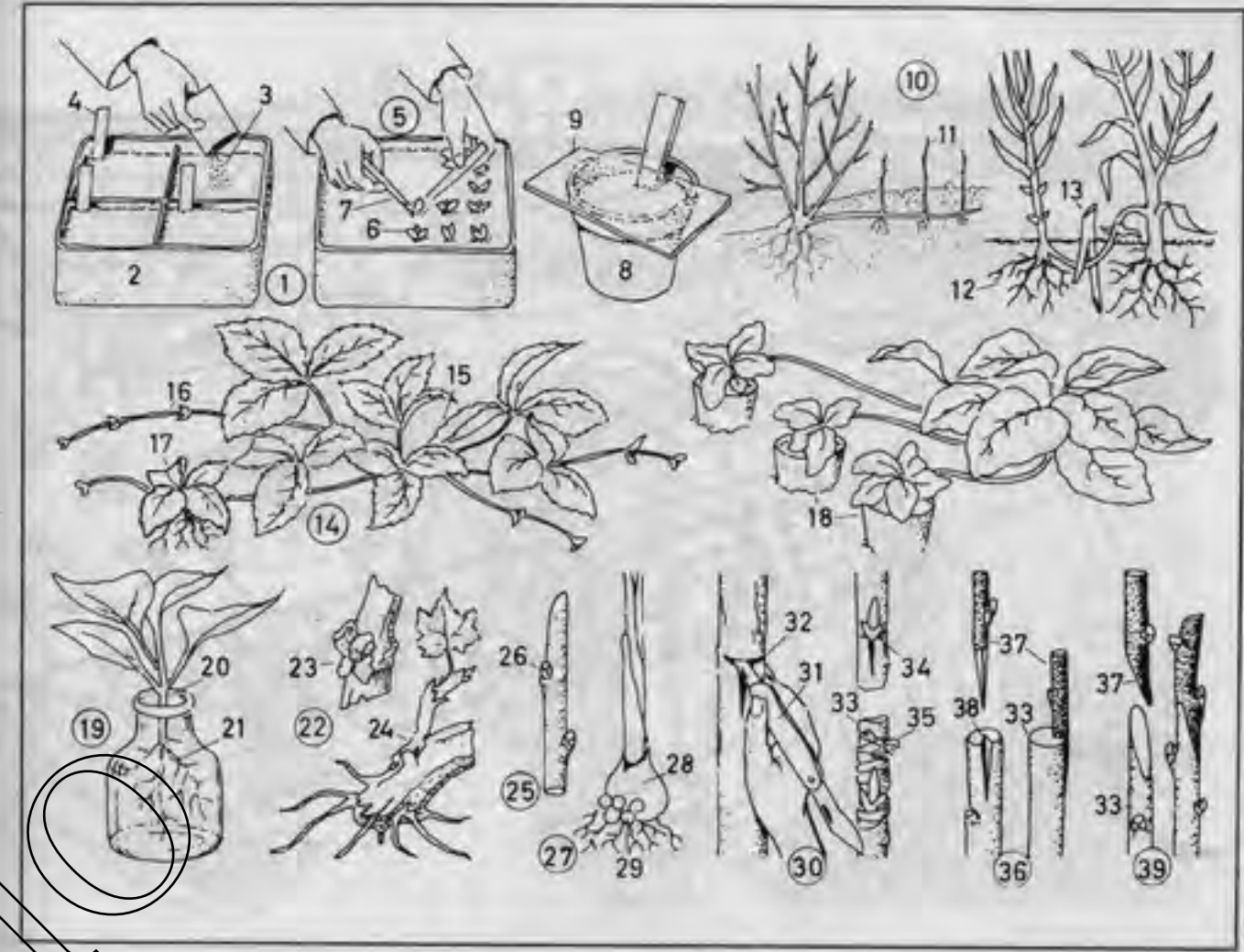
1-32 allotment (fruit and vegetable garden)

- 1, 2, 16, 17, 29 dwarf fruit trees (espaliers, espalier fruit trees)
- 1 quadruple cordon, a wall espalier
- 2 vertical cordon
- 3 tool shed (garden shed)
- 4 water butt (water barrel)
- 5 climbing plant (climber, creeper, rambler)
- 6 compost heap
- 7 sunflower
- 8 garden ladder (ladder)
- 9 perennial (flowering perennial)
- 10 garden fence (paling fence, paling)
- 11 standard berry tree
- 12 climbing rose (rambling rose) on the trellis arch
- 13 bush rose (standard rose tree)
- 14 summerhouse (garden house)
- 15 Chinese lantern (paper lantern)
- 16 pyramid tree (pyramidal tree, pyramid), a free-standing espalier
- 17 double horizontal cordon
- 18 flower bed, a border
- 19 berry bush (gooseberry bush, currant bush)
- 20 concrete edging
- 21 standard rose (standard rose tree)
- 22 border with perennials
- 23 garden path
- 24 allotment holder
- 25 asparagus patch (asparagus bed)
- 26 vegetable patch (vegetable plot)
- 27 scarecrow
- 28 runner bean (*Am.* scarlet runner), a bean plant on poles (bean poles)
- 29 horizontal cordon
- 30 standard fruit tree
- 31 tree stake
- 32 hedge

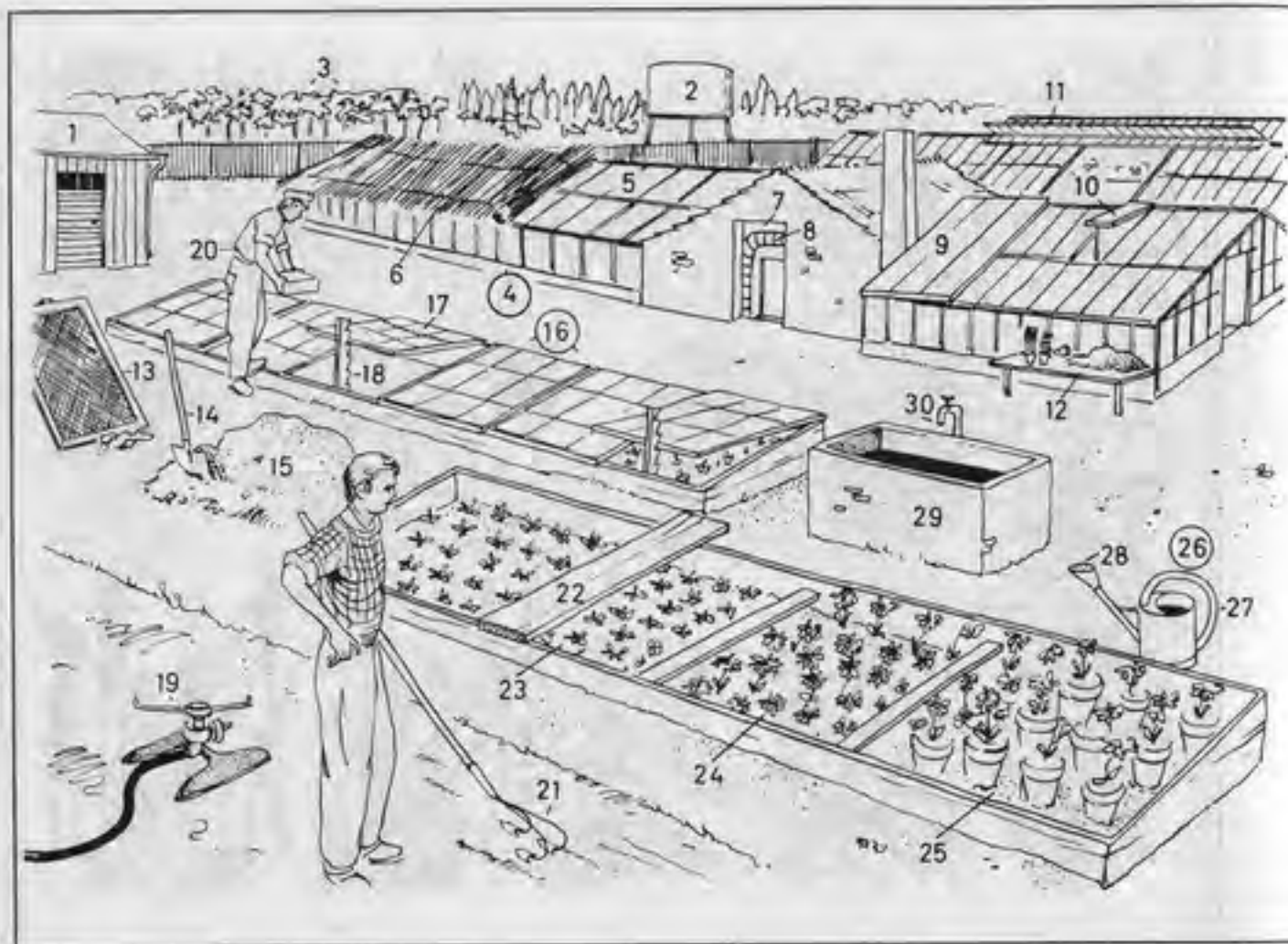


- 1 pelargonium (crane's bill), a geranium
- 2 passion flower (*Passiflora*), a climbing plant (climber, creeper)
- 3 fuchsia, an anagraceous plant
- 4 nasturtium (*Indian cress*, *tropaeolum*)
- 5 cyclamen, a primulaceous herb
- 6 petunia, a solanaceous herb
- 7 gloxinia (*Sinningia*), a gesneriaceous plant
- 8 *Clivia minata*, an amaryllis (narcissus)
- 9 African hemp (*Sparmannia*), a tiliaceous plant, a linden plant
- 10 begonia
- 11 myrtle (common myrtle, *Myrtus*)
- 12 azalea, an ericaceous plant
- 13 aloe, a liliaceous plant
- 14 globe thistle (*Echinops*)
- 15 stapelia (carrion flower), an asclepiadaceous plant

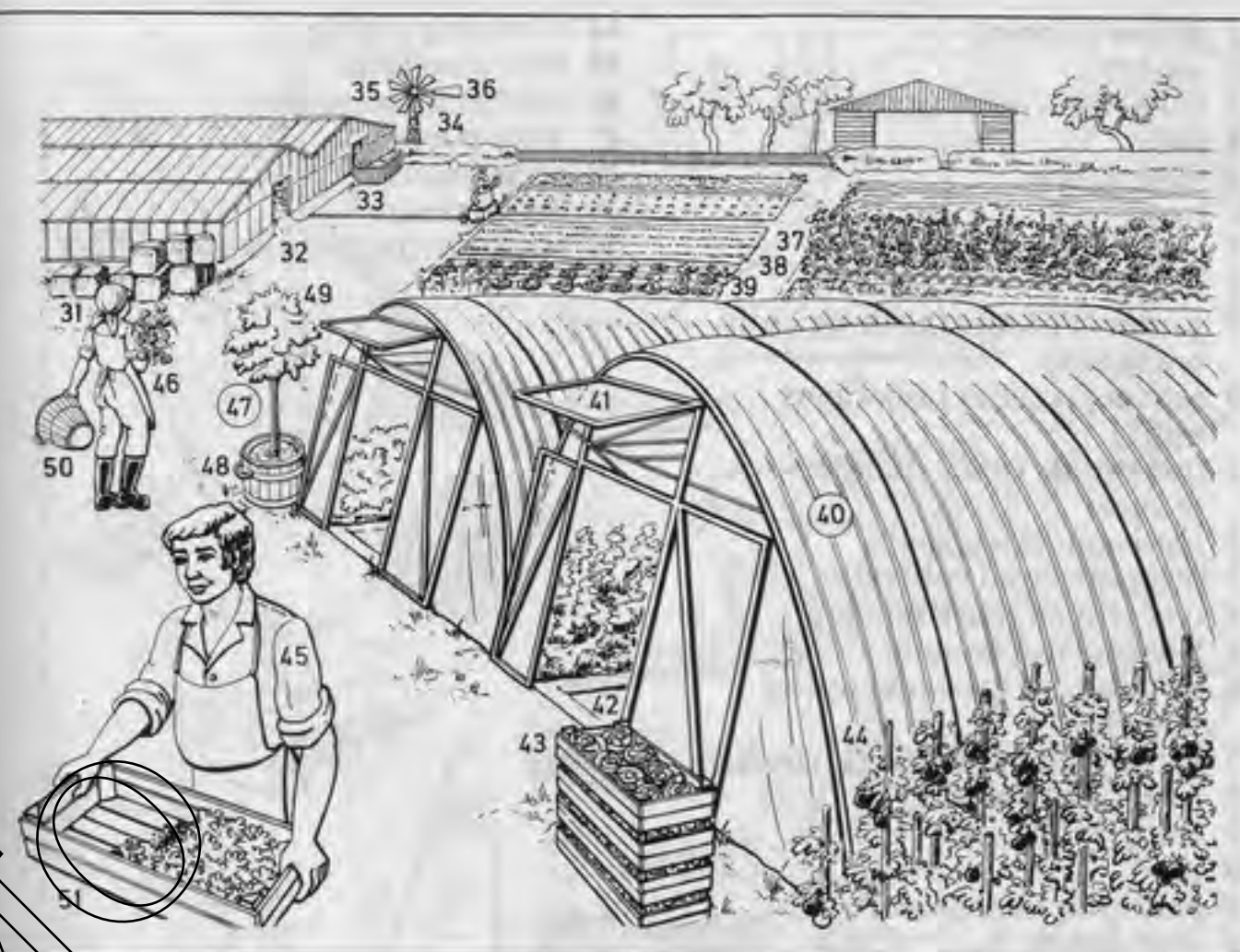
- 16 Norfolk Island Pine (an *araucaria*, grown as an ornamental)
- 17 galingale, a cyperaceous plant of the sedge family



- 1 seed sowing (sowing)
- 2 seed pan
- 3 seed
- 4 label
- 5 pricking out (pricking off, transplanting)
- 6 seedling (seedling plant)
- 7 dibber (dibble)
- 8 flower pot (pot)
- 9 sheet of glass
- 10 propagation by layering
- 11 layer
- 12 layer with roots
- 13 forked stick used for fastening
- 14 propagation by runners
- 15 parent (parent plant)
- 16 runner
- 17 small rooted leaf cluster
- 18 setting in pots
- 19 cutting in water
- 20 cutting (slip, set)
- 21 root
- 22 bud cutting on vine tendril
- 23 scion bud, a bud
- 24 sprouting (shooting) cutting
- 25 stem cutting (hardwood cutting)
- 26 bud
- 27 propagation by bulbils (brood bud bulblets)
- 28 old bulb
- 29 bulbil (brood bud bulblet)
- 30-39 grafting (graftage)
- 30 budding (shield budding)
- 31 budding knife
- 32 T-cut
- 33 support (stock, rootstock)
- 34 inserted scion bud
- 35 raffia layer (bast layer)
- 36 side grafting
- 37 scion (shoot)
- 38 wedge-shaped notch
- 39 splice graft (splice grafting)

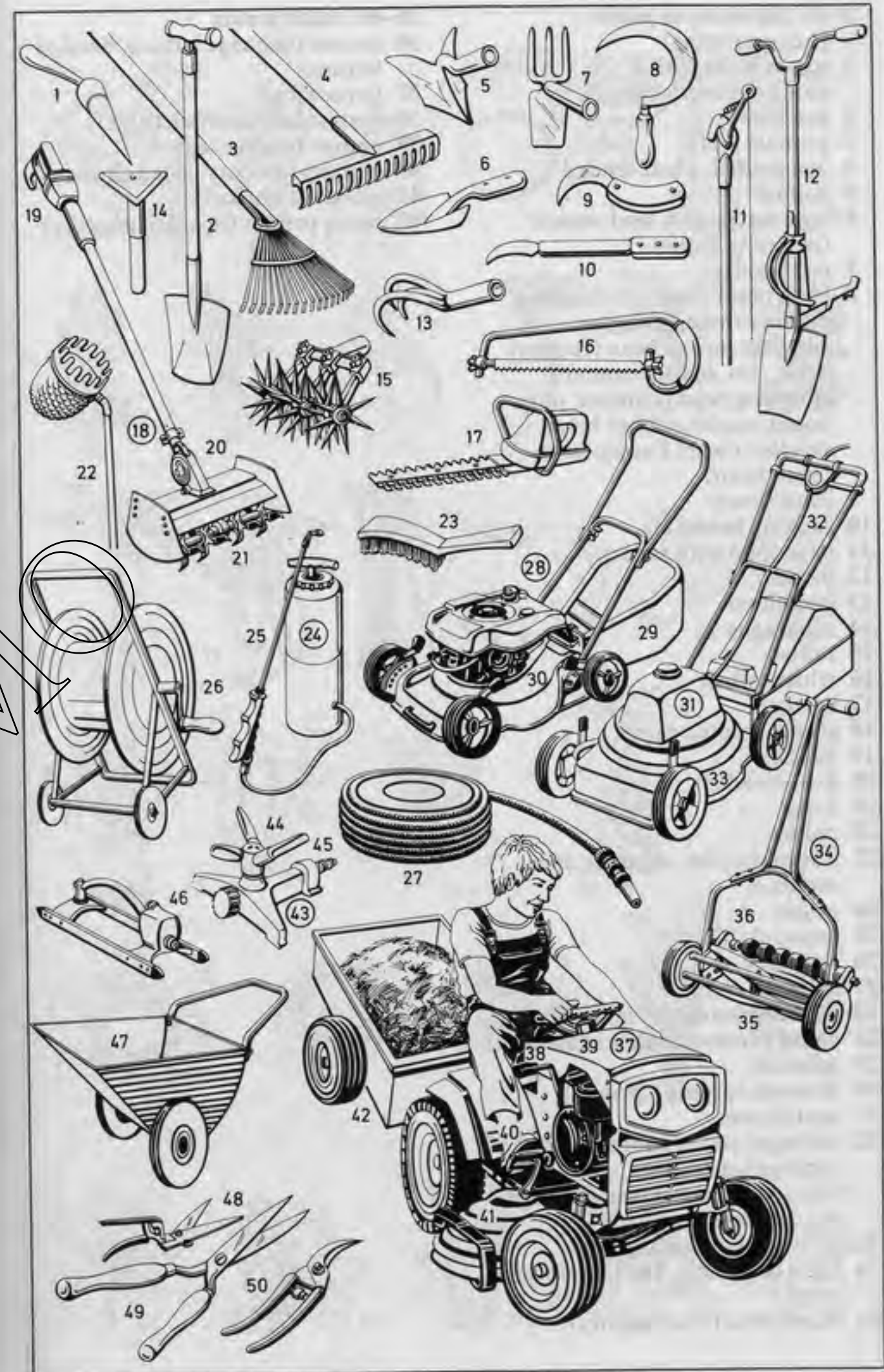
**1-51 market garden (Am. truck garden, truck farm)**

- 1 tool shed
- 2 water tower (water tank)
- 3 market garden (Am. truck garden, truck farm), a tree nursery
- 4 hothouse (forcing house, warm house)
- 5 glass roof
- 6 matting, e.g. straw matting, reed matting
- 7 boiler room (boiler house)
- 8 heating pipe (pressure pipe)
- 9 shading panel (shutter)
- 10-11 ventilators (vents)
- 10 ventilation window (window vent, hinged ventilator)
- 11 ridge vent
- 12 potting table (potting bench)
- 13 riddle (sieve, garden sieve, upright sieve)
- 14 garden shovel (shovel)
- 15 heap of earth (composted earth, prepared earth, garden mould, Am. mold)
- 16 hotbed (forcing bed, heated frame)
- 17 hotbed vent (frame vent)
- 18 vent prop
- 19 sprinkler (sprinkling device)
- 20 gardener (nursery gardener, grower, commercial grower)
- 21 cultivator (hand cultivator, grubber)
- 22 plank
- 23 pricked-out seedlings (pricked-off seedlings)
- 24 forced flowers [forcing]
- 25 potted plants (plants in pots, pot plants)
- 26 watering can (Am. sprinkling can)
- 27 handle
- 28 rose
- 29 water tank



- 30 water pipe
- 31 bale of peat
- 32 warm house (heated greenhouse)
- 33 cold house (unheated greenhouse)
- 34 wind pump; *sim.*: wind generator (aerogenerator)
- 35 wind wheel
- 36 wind vane
- 37 shrub bed, a flower bed
- 38 hoop edging
- 39 vegetable plot
- 40 plastic tunnel (polythene greenhouse)
- 41 ventilation flap
- 42 central path
- 43 vegetable crate
- 44 tomato plant
- 45 nursery hand
- 46 nursery hand
- 47 tub plant
- 48 tub
- 49 orange tree
- 50 wire basket
- 51 seedling box

- 1 dibber (dibble)
- 2 spade
- 3 lawn rake (wire-tooth rake)
- 4 rake
- 5 ridging hoe
- 6 trowel
- 7 combined hoe and fork
- 8 sickle
- 9 gardener's knife (pruning knife, billhook)
- 10 asparagus cutter (asparagus knife)
- 11 tree pruner (long-handled pruner)
- 12 semi-automatic spade
- 13 three-pronged cultivator
- 14 tree scraper (bark scraper)
- 15 lawn aerator (aerator)
- 16 pruning saw (saw for cutting branches)
- 17 battery-operated hedge trimmer
- 18 motor cultivator
- 19 electric drill
- 20 gear
- 21 cultivator attachment
- 22 fruit picker
- 23 tree brush (bark brush)
- 24 sprayer for pest control
- 25 lance
- 26 hose reel (reel and carrying cart)
- 27 garden hose
- 28 motor lawn mower (motor mower)
- 29 grassbox
- 30 two-stroke motor
- 31 electric lawn mower (electric mower)
- 32 electric lead (electric cable)
- 33 cutting unit
- 34 hand mower
- 35 cutting cylinder
- 36 blade
- 37 riding mower
- 38 brake lock
- 39 electric starter
- 40 brake pedal
- 41 cutting unit
- 42 tip-up trailer
- 43 revolving sprinkler, a lawn sprinkler
- 44 revolving nozzle
- 45 hose connector
- 46 oscillating sprinkler
- 47 wheelbarrow
- 48 grass shears
- 49 hedge shears
- 50 secateurs (pruning shears)



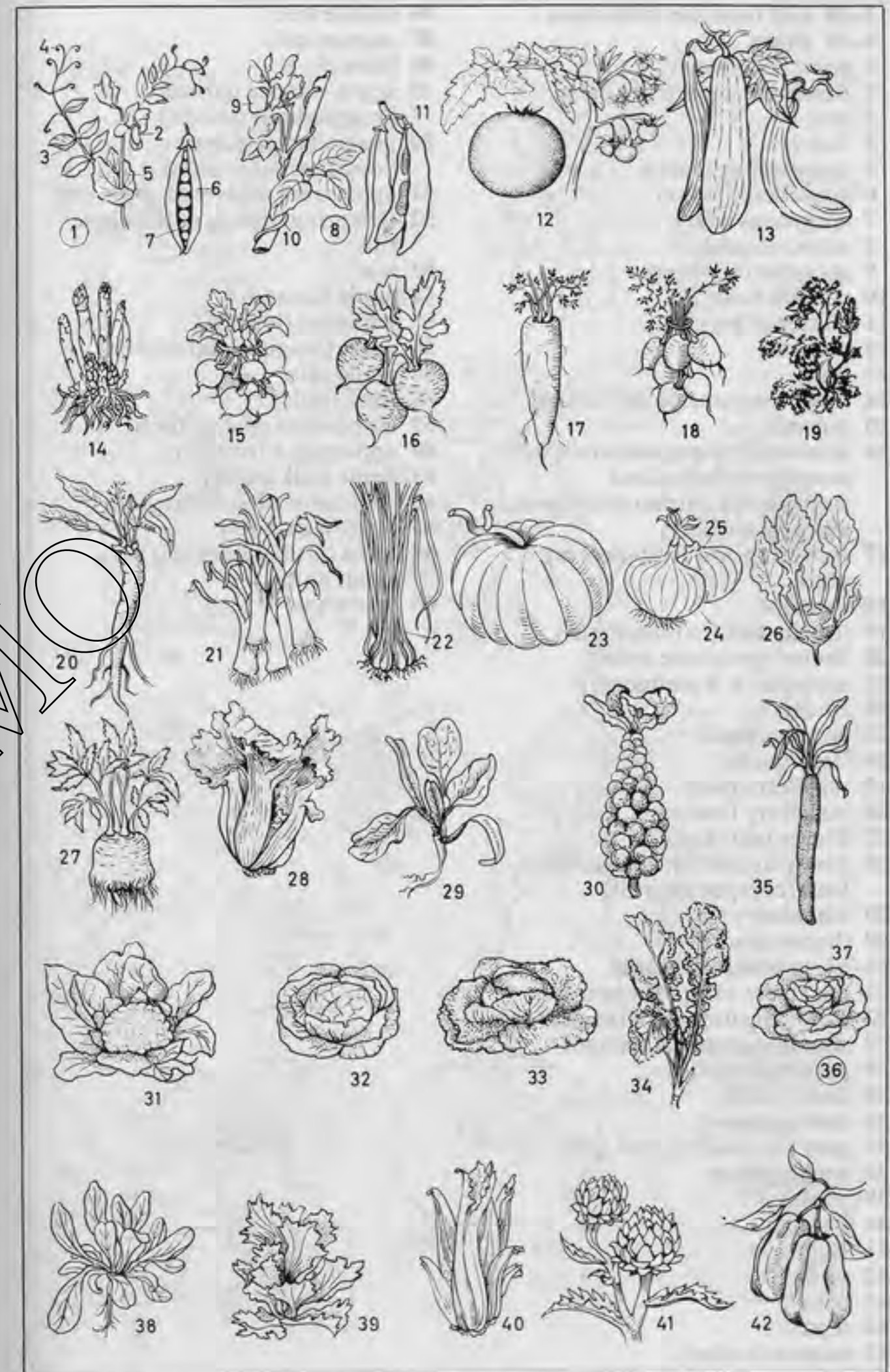
1-11 leguminous plants

(Leguminosae)

- 1 pea, a plant with a papilionaceous corolla
- 2 pea flower
- 3 pinnate leaf
- 4 pea tendril, a leaf tendril
- 5 stipule
- 6 legume (pod), a seed vessel (pericarp, legume)
- 7 pea [seed]
- 8 bean plant (bean), a climbing plant (climber, creeper); *varieties*: broad bean (runner bean, *Am.* scarlet runner), climbing bean (climber, pole bean), scarlet runner bean; *smaller*: dwarf French bean (bush bean)
- 9 bean flower
- 10 twining beanstalk
- 11 bean [pod with seeds]
- 12 tomato
- 13 cucumber
- 14 asparagus
- 15 radish
- 16 white radish
- 17 carrot
- 18 stump-rooted carrot
- 19 parsley
- 20 horse-radish
- 21 leeks
- 22 chives
- 23 pumpkin (*Am.* squash); *sim.*: melon
- 24 onion
- 25 onion skin
- 26 kohlrabi
- 27 celeriac
- 28-34 brassicas (leaf vegetables)
- 28 chard (Swiss chard, seakale beet)
- 29 spinach
- 30 Brussels sprouts (sprouts)
- 31 cauliflower
- 32 cabbage (round cabbage, head of cabbage), a brassica; *cultivated races (cultivars)*: green cabbage, red cabbage
- 33 savoy (savoy cabbage)
- 34 kale (curly kale, kail), a winter green
- 35 scorzonera (black salsify)

36-40 salad plants

- 36 lettuce (cabbage lettuce, head of lettuce)
- 37 lettuce leaf
- 38 corn salad (lamb's lettuce)
- 39 endive (endive leaves)
- 40 chicory (succory, salad chicory)
- 41 globe artichoke
- 42 sweet pepper (Spanish paprika)



1-30 soft fruit (berry bushes)

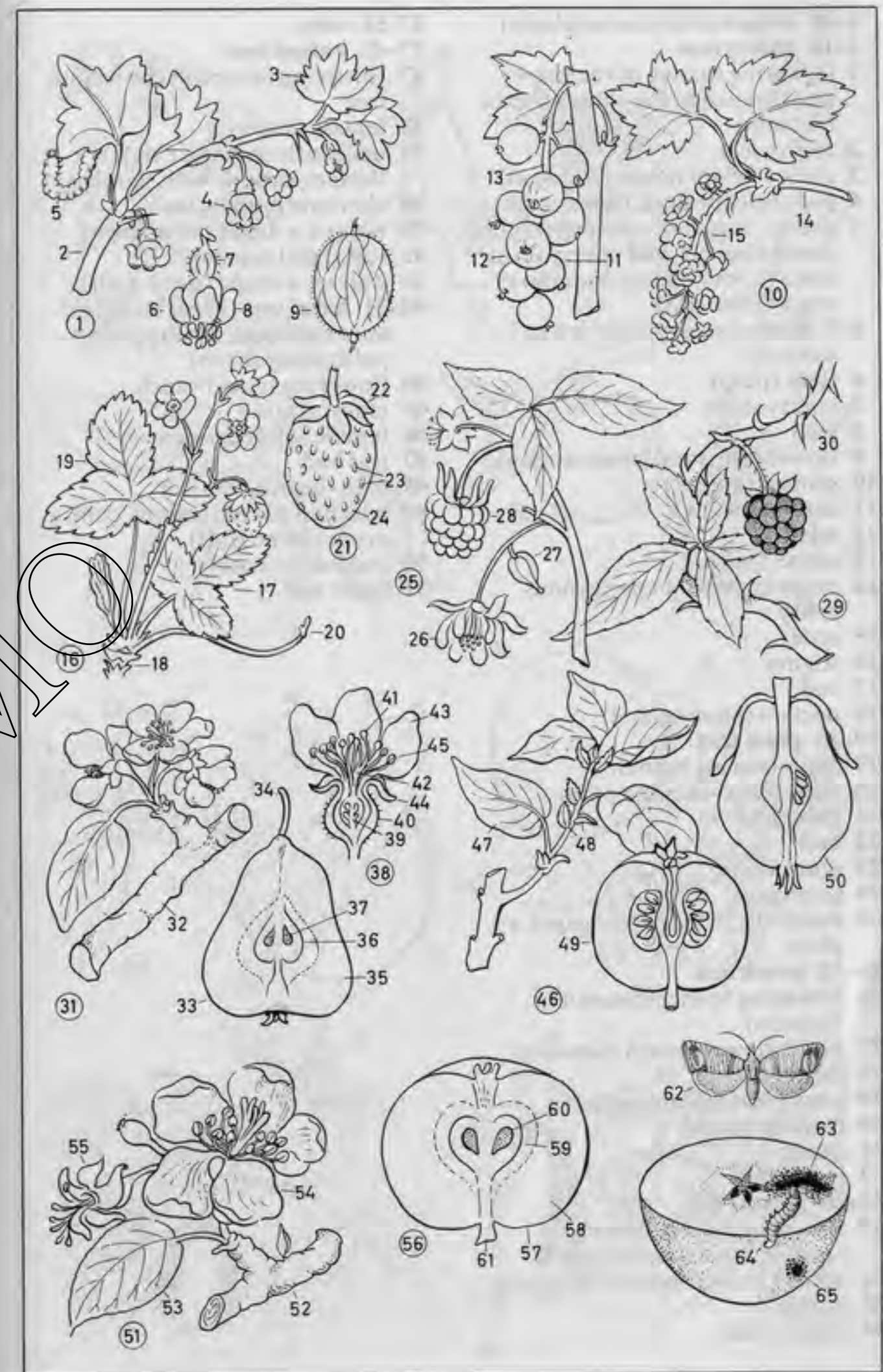
1-15 Ribes

- 1 gooseberry bush
- 2 flowering gooseberry cane
- 3 leaf
- 4 flower
- 5 magpie moth larva
- 6 gooseberry flower
- 7 epigynous ovary
- 8 calyx (sepals)
- 9 gooseberry, a berry
- 10 currant bush
- 11 cluster of berries
- 12 currant
- 13 stalk
- 14 flowering cane of the currant
- 15 raceme
- 16 strawberry plant; *varieties*: wild strawberry (woodland strawberry), garden strawberry, alpine strawberry
- 17 flowering and fruit-bearing plant
- 18 rhizome
- 19 ternate leaf (trifoliate leaf)
- 20 runner (prostrate stem)
- 21 strawberry, a pseudocarp
- 22 epicalyx
- 23 achene (seed)
- 24 flesh (pulp)
- 25 raspberry bush
- 26 raspberry flower
- 27 flower bud (bud)
- 28 fruit (raspberry), an aggregate fruit (compound fruit)
- 29 blackberry
- 30 thorny tendril

31-61 pomiferous plants

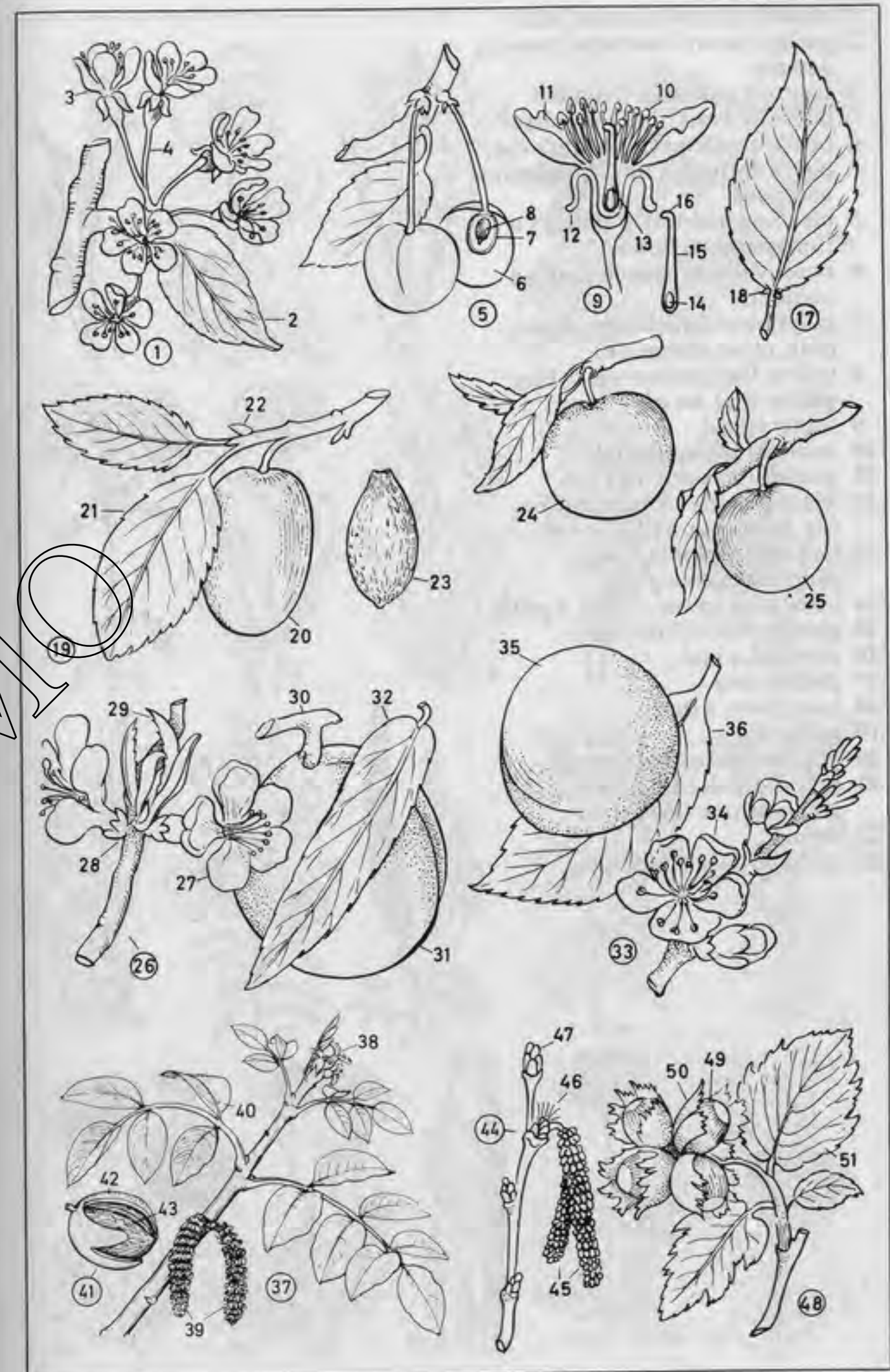
- 31 pear tree; *wild*: wild pear tree
- 32 flowering branch of the pear tree
- 33 pear [longitudinal section]
- 34 pear stalk (stalk)
- 35 flesh (pulp)
- 36 core (carpels)
- 37 pear pip (seed), a fruit pip
- 38 pear blossom
- 39 ovules
- 40 ovary
- 41 stigma
- 42 style
- 43 petal
- 44 sepal
- 45 stamen (anther)

- 46 quince tree
- 47 quince leaf
- 48 stipule
- 49 apple-shaped quince [longitudinal section]
- 50 pear-shaped quince [longitudinal section]
- 51 apple tree; *wild*: crab apple tree
- 52 flowering branch of the apple tree
- 53 leaf
- 54 apple blossom
- 55 withered flower
- 56 apple [longitudinal section]
- 57 apple skin
- 58 flesh (pulp)
- 59 core (apple core, carpels)
- 60 apple pip, a fruit pip
- 61 apple stalk (stalk)
- 62 codling moth (codlin moth)
- 63 burrow (tunnel)
- 64 larva (grub, caterpillar) of a small moth
- 65 wormhole

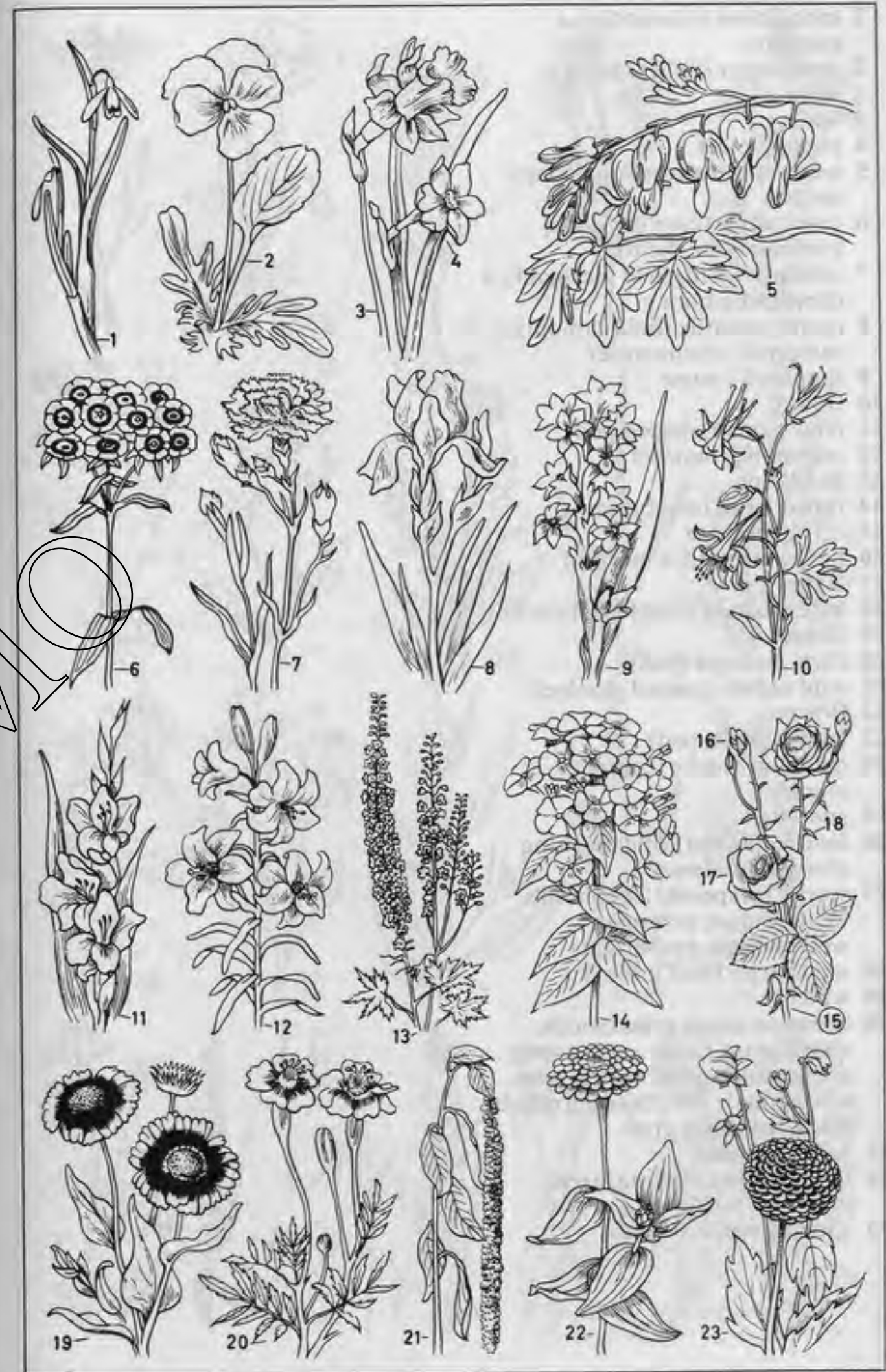


- 1-36 drupes (drupaceous plants)
 1-18 cherry tree
 1 flowering branch of the cherry tree (branch of the cherry tree in blossom)
 2 cherry leaf
 3 cherry flower (cherry blossom)
 4 peduncle (pedicel, flower stalk)
 5 cherry; *varieties*: sweet cherry (heart cherry), wild cherry (bird cherry), sour cherry, morello cherry (morello)
 6-8 cherry (cherry fruit) [cross section]
 6 flesh (pulp)
 7 cherry stone
 8 seed
 9 flower (blossom) [cross section]
 10 stamen (anther)
 11 corolla (petals)
 12 sepal
 13 carpel (pistil)
 14 ovule enclosed in perigynous ovary
 15 style
 16 stigma
 17 leaf
 18 nectary (honey gland)
 19-23 plum tree
 19 fruit-bearing branch
 20 oval, black-skinned plum
 21 plum leaf
 22 bud
 23 plum stone
 24 greengage
 25 mirabelle (transparent gage), a plum
 26-32 peach tree
 26 flowering branch (branch in blossom)
 27 peach flower (peach blossom)
 28 flower shoot
 29 young leaf (sprouting leaf)
 30 fruiting branch
 31 peach
 32 peach leaf
 33-36 apricot tree
 33 flowering apricot branch (apricot branch in blossom)
 34 apricot flower (apricot blossom)
 35 apricot
 36 apricot leaf

- 37-51 nuts
 37-43 walnut tree
 37 flowering branch of the walnut tree
 38 female flower
 39 male inflorescence (male flowers, catkins with stamens)
 40 alternate pinnate leaf
 41 walnut, a drupe (stone fruit)
 42 soft shell (cupule)
 43 walnut, a drupe (stone fruit)
 44-51 hazel tree (hazel bush), an anemophilous shrub (a wind-pollinating shrub)
 44 flowering hazel branch
 45 male catkin
 46 female inflorescence
 47 leaf bud
 48 fruit-bearing branch
 49 hazelnut (hazel, cobnut, cob), a drupe (stone fruit)
 50 involucre (husk)
 51 hazel leaf

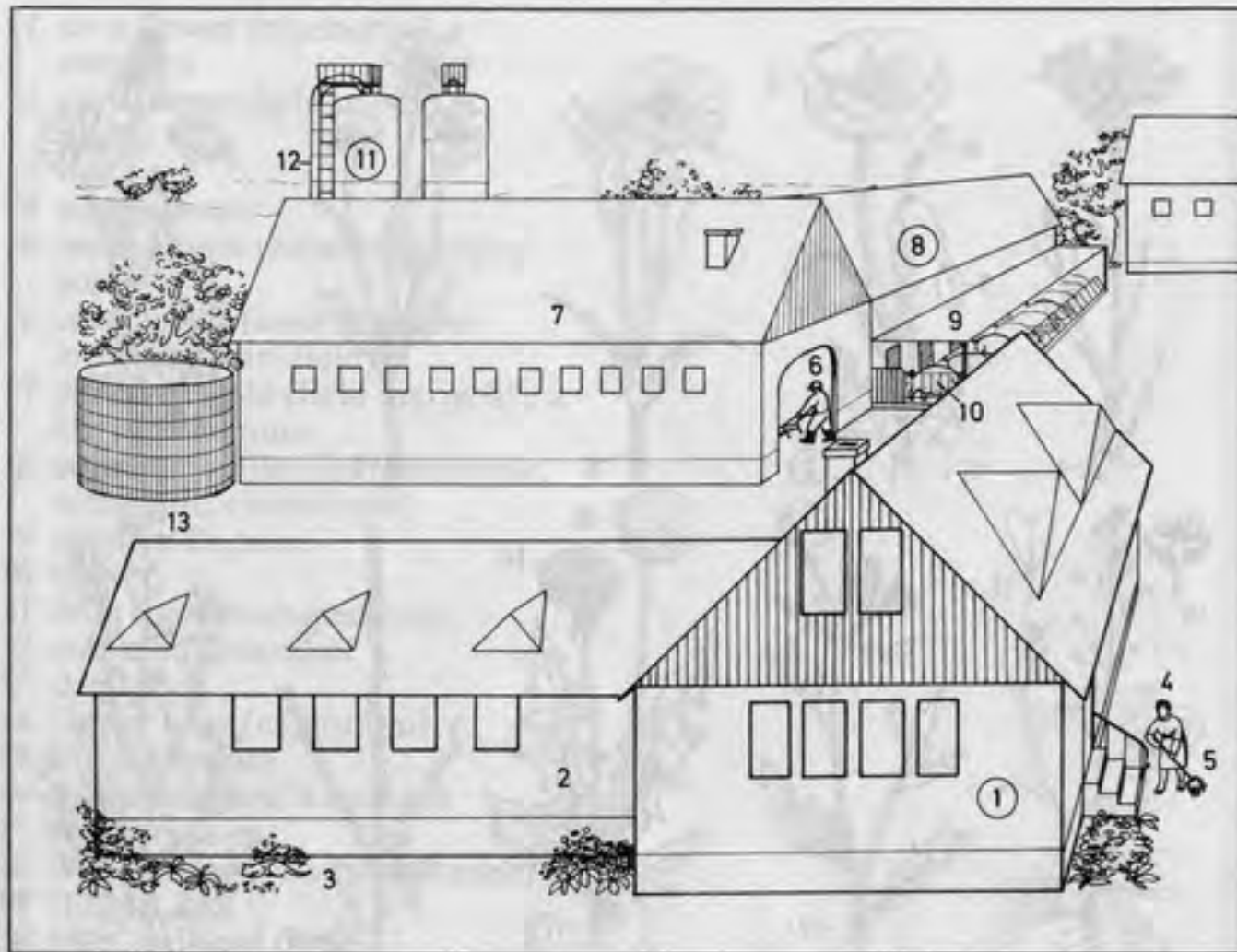


- 1 snowdrop (spring snowflake)
- 2 garden pansy (heartsease pansy), a pansy
- 3 trumpet narcissus (trumpet daffodil, Lent lily), a narcissus
- 4 poet's narcissus (pheasant's eye, poet's daffodil); *sim.*: polyanthus narcissus
- 5 bleeding heart (lyre flower), a fumariaceous flower
- 6 sweet william (bunch pink), a carnation
- 7 gillyflower (gilliflower, clove pink, clove carnation)
- 8 yellow flag (yellow water flag, yellow iris), an iris
- 9 tuberose
- 10 columbine (aquilegia)
- 11 gladiolus (sword lily)
- 12 Madonna lily (Annunciation lily, Lent lily), a lily
- 13 larkspur (delphinium), a ranunculaceous plant
- 14 moss pink (moss phlox), a phlox
- 15 garden rose (China rose)
- 16 rosebud, a bud
- 17 double rose
- 18 rose thorn, a thorn
- 19 gaillardia
- 20 African marigold (tagetes)
- 21 love-lies-bleeding, an amaranthine flower
- 22 zinnia
- 23 pompon dahlia, a dahlia



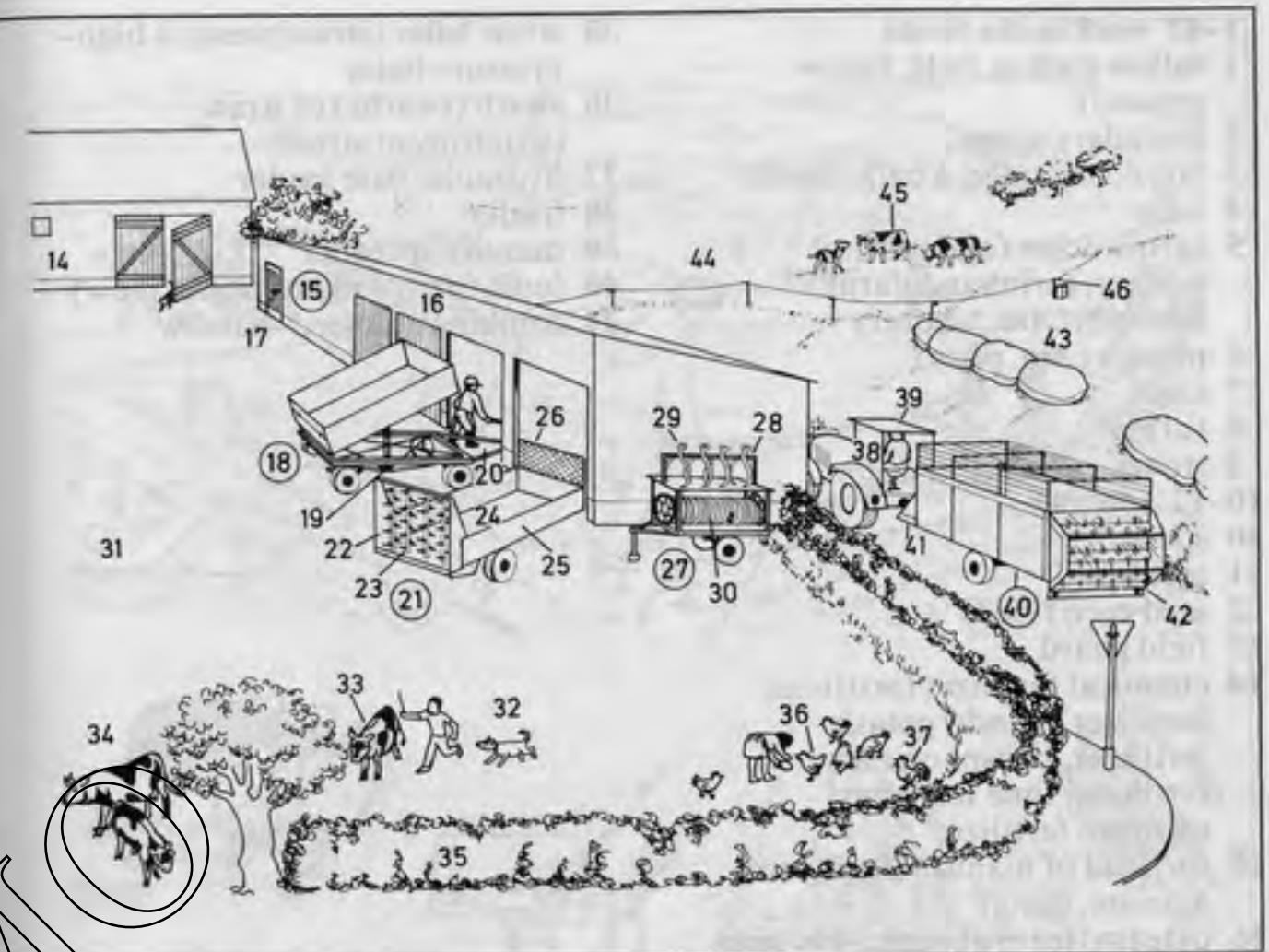
- 1 corn flower (bluebottle), a centaury
- 2 corn poppy (field poppy), a poppy
- 3 bud
- 4 poppy flower
- 5 seed capsule containing poppy seeds
- 6 corn cockle (corn campion, crown-of-the-field)
- 7 corn marigold (field marigold), a chrysanthemum
- 8 corn camomile (field camomile, camomile, chamomile)
- 9 shepherd's purse
- 10 flower
- 11 fruit (pouch-shaped pod)
- 12 common groundsel
- 13 dandelion
- 14 flower head (capitulum)
- 15 infructescence
- 16 hedge mustard, a mustard
- 17 stonecrop
- 18 wild mustard (charlock, runch)
- 19 flower
- 20 fruit, a siliqua (pod)
- 21 wild radish (jointed charlock)
- 22 flower
- 23 fruit (siliqua, pod)
- 24 common orache (common orach)
- 25 goosefoot
- 26 field bindweed (wild morning glory), a bindweed
- 27 scarlet pimpernel (shepherd's weatherglass, poor man's weatherglass, eye-bright)
- 28 wild barley (wall barley)
- 29 wild oat
- 30 common couch grass (couch, quack grass, quick grass, quitch grass, scutch grass, twitch grass, witchgrass); *sim.*: bearded couch grass, sea couch grass
- 31 gallant soldier
- 32 field eryngo (Watling Street thistle), a thistle
- 33 stinging nettle, a nettle





- 1 house
- 2 stable
- 3 house cat (cat)
- 4 farmer's wife
- 5 broom
- 6 farmer
- 7 cowshed
- 8 pigsty (sty, *Am.* pigpen, hogpen)
- 9 outdoor trough
- 10 pig
- 11 above-ground silo (fodder silo)
- 12 silo pipe (standpipe for filling the silo)
- 13 liquid manure silo
- 14 outhouse
- 15 machinery shed
- 16 sliding door
- 17 door to the workshop
- 18 three-way tip-cart, a transport vehicle
- 19 tipping cylinder
- 20 shafts
- 21 manure spreader (fertilizer spreader, manure distributor)

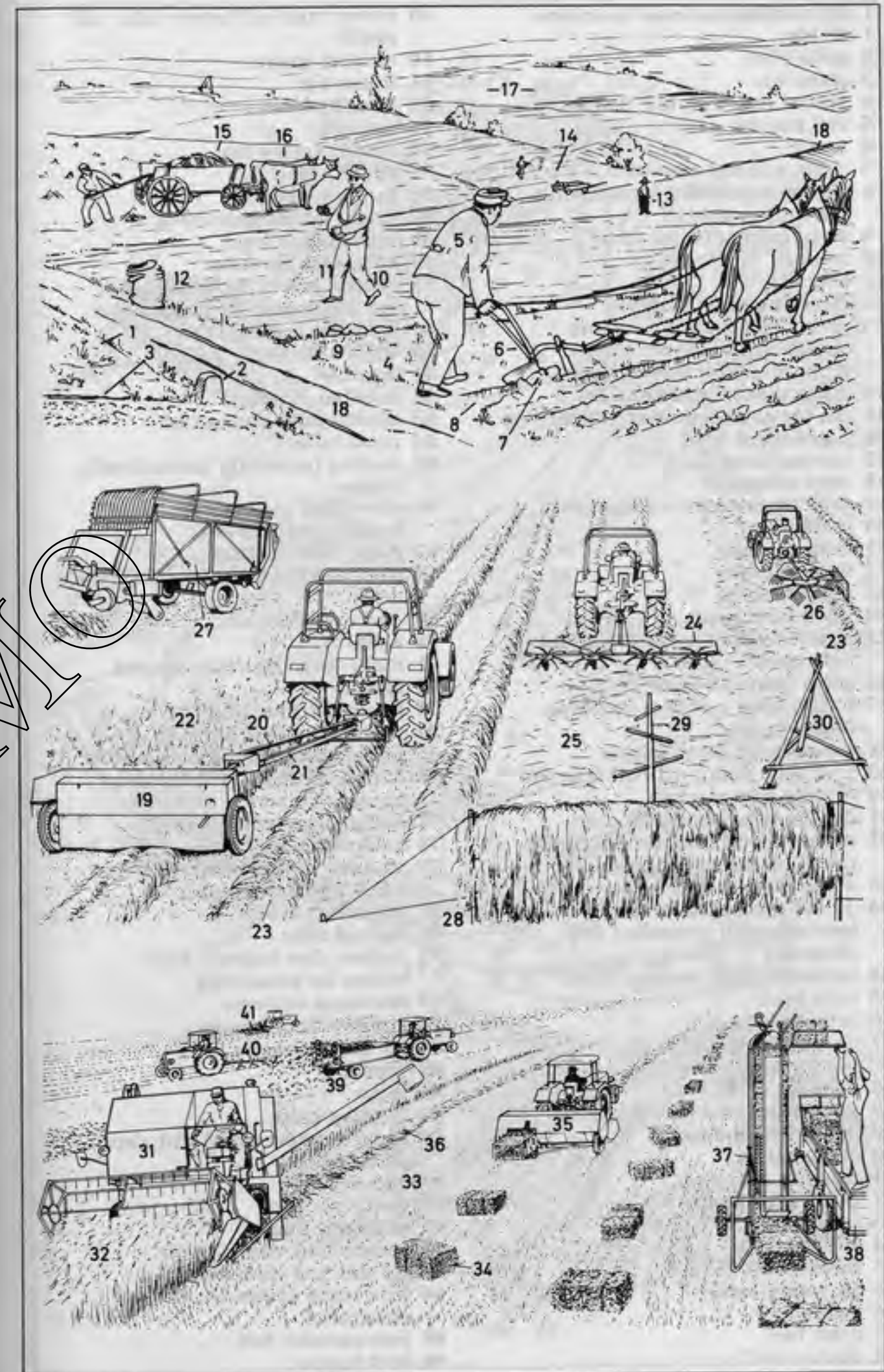
- 22 spreader unit (distributor unit)
- 23 spreader cylinder (distributor cylinder)
- 24 movable scraper floor
- 25 side planking (side board)
- 26 wire mesh front
- 27 sprinkler cart
- 28 sprinkler stand
- 29 sprinkler, a revolving sprinkler
- 30 sprinkler hoses
- 31 farmyard
- 32 watchdog
- 33 calf
- 34 dairy cow (milch-cow, milker)
- 35 farmyard hedge
- 36 chicken (hen)
- 37 cock (*Am.* rooster)
- 38 tractor
- 39 tractor driver
- 40 all-purpose trailer
- 41 [folded] pickup attachment
- 42 unloading unit



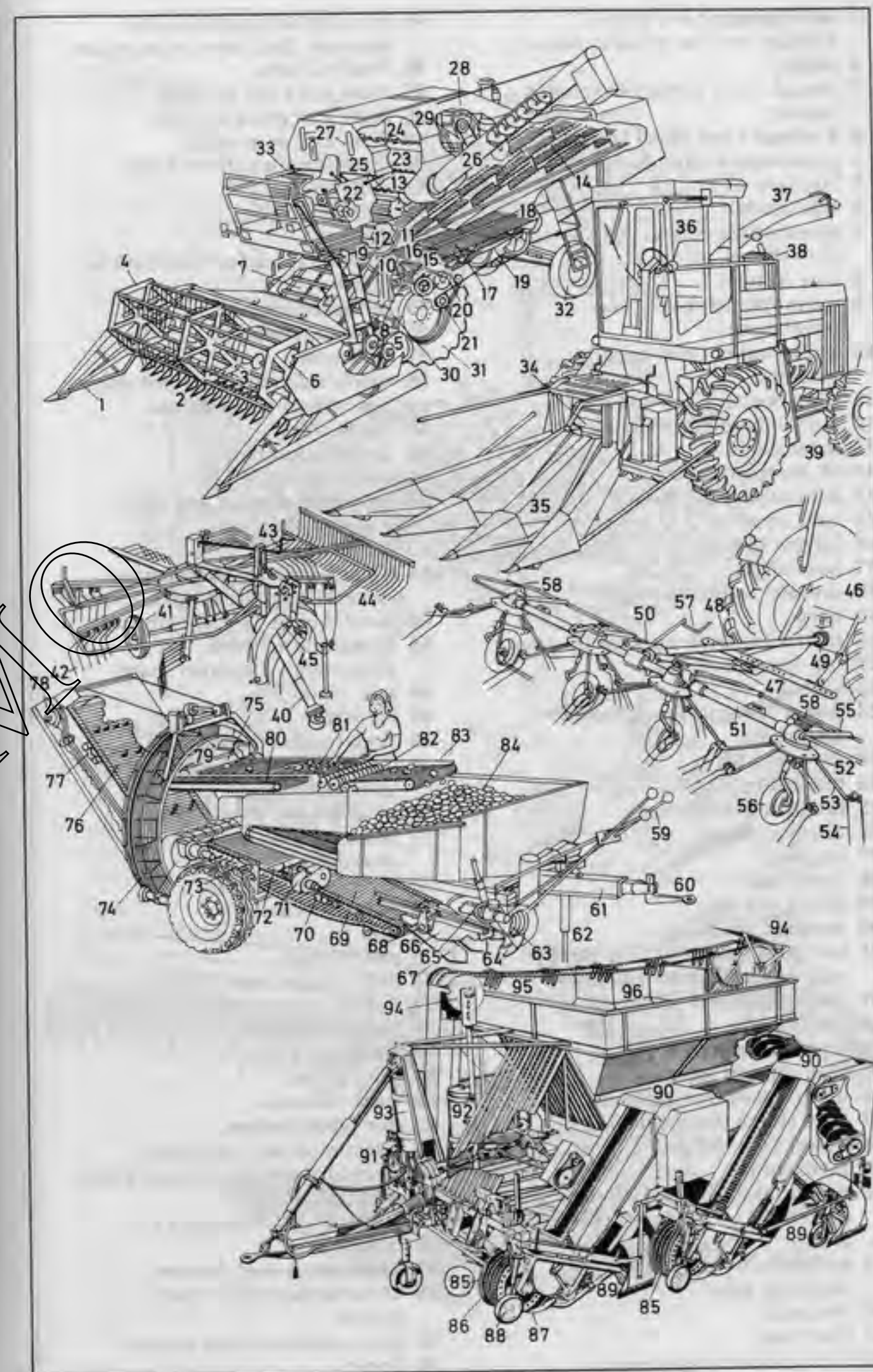
- 43 polythene silo, a fodder silo
- 44 meadow
- 45 grazing cattle
- 46 electrified fence

- 1-41 work in the fields
 1 fallow (fallow field, fallow ground)
 2 boundary stone
 3 boundary ridge, a balk (balk)
 4 field
 5 farmworker (agricultural worker, farmhand, farm labourer, *Am.* laborer)
 6 plough (*Am.* plow)
 7 clod
 8 furrow
 9 stone
 10-12 sowing
 10 sower
 11 seedlip
 12 seed corn (seed)
 13 field guard
 14 chemical fertilizer (artificial fertilizer); *kinds*: potash fertilizer, phosphoric acid fertilizer, lime fertilizer, nitrogen fertilizer
 15 cartload of manure (farmyard manure, dung)
 16 oxteam (team of oxen, *Am.* span of oxen)
 17 fields (farmland)
 18 farm track (farm road)
 19-30 hay harvest (haymaking)
 19 rotary mower with swather (swath reaper)
 20 connecting shaft (connecting rod)
 21 power take-off (power take-off shaft)
 22 meadow
 23 swath (swathe)
 24 tedder (rotary tedder)
 25 teded hay
 26 rotary swather
 27 trailer with pickup attachment
 28 fence rack (rickstand), a drying rack for hay
 29 rickstand, a drying rack for hay
 30 hay tripod
 31-41 grain harvest and seedbed preparation
 31 combine harvester
 32 cornfield
 33 stubble field
 34 bale of straw

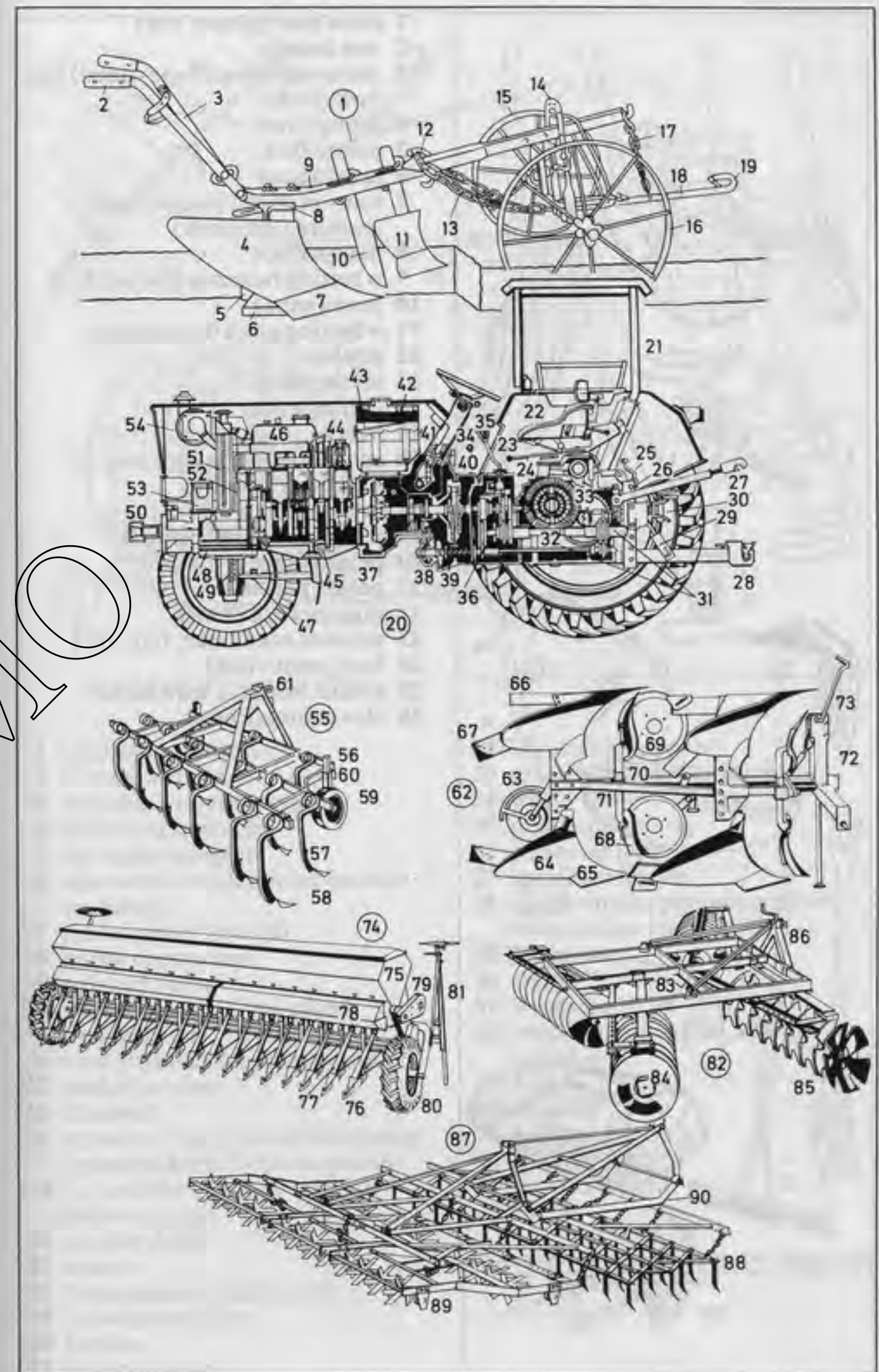
- 35 straw baler (straw press), a high-pressure baler
 36 swath (swathe) of straw (windrow of straw)
 37 hydraulic bale loader
 38 trailer
 39 manure spreader
 40 four-furrow plough (*Am.* plow)
 41 combination seed-harrow

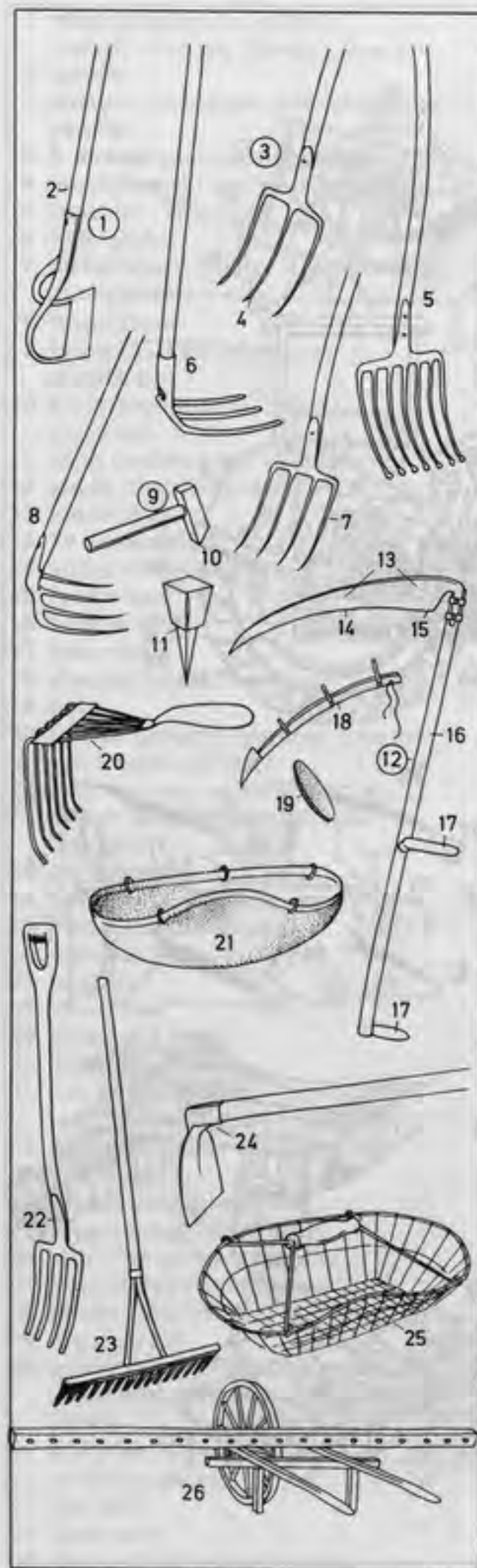


- 1-33 combine harvester (combine)
- 1 divider
 - 2 grain lifter
 - 3 cutter bar
 - 4 pickup reel, a spring-tine reel
 - 5 reel gearing
 - 6 auger
 - 7 chain and slat elevator
 - 8 hydraulic cylinder for adjusting the cutting unit
 - 9 stone catcher (stone trap)
 - 10 awner
 - 11 concave
 - 12 threshing drum (drum)
 - 13 revolving beater [for freeing straw from the drum and preparing it for the shakers]
 - 14 straw shaker (strawwalker)
 - 15 fan for compressed-air winnowing
 - 16 preparation level
 - 17 louvred-type sieve
 - 18 sieve extension
 - 19 shoe sieve (reciprocating sieve)
 - 20 grain auger
 - 21 tailings auger
 - 22 tailings outlet
 - 23 grain tank
 - 24 grain tank auger
 - 25 augers feeding to the grain tank unloader
 - 26 grain unloader spout
 - 27 observation ports for checking tank contents
 - 28 six-cylinder diesel engine
 - 29 hydraulic pump with oil reservoir
 - 30 driving axle gearing
 - 31 driving wheel tyre (Am. tire)
 - 32 rubber-tyred (Am. rubber-tired) wheel on the steering axle
 - 33 driver's position
 - 34-39 self-propelled forage harvester (self-propelled field chopper)
 - 34 cutting drum (chopper drum)
 - 35 corn head
 - 36 cab (driver's cab)
 - 37 swivel-mounted spout (discharge pipe)
 - 38 exhaust
 - 39 rear-wheel steering system
 - 40-45 rotary swather
 - 40 cardan shaft
 - 41 running wheel
 - 42 double spring tine
 - 43 crank
 - 44 swath rake
 - 45 three-point linkage
 - 46-58 rotary tedder
 - 46 tractor
 - 47 draw bar
 - 48 cardan shaft
 - 49 power take-off (power take-off shaft)
 - 50 gearing (gears)
 - 51 frame bar
 - 52 rotating head
 - 53 tine bar
 - 54 double spring tine
 - 55 guard rail
 - 56 running wheel
 - 57 height adjustment crank
 - 58 wheel adjustment
 - 59-84 potato harvester
 - 59 control levers for the lifters of the digger and the hopper and for adjusting the shaft
 - 60 adjustable hitch
 - 61 drawbar
 - 62 drawbar support
 - 63 cardan shaft connection
 - 64 press roller
 - 65 gearing (gears) for the hydraulic system
 - 66 disc (disk) coulter (Am. colter) (rolling coulter)
 - 67 three-bladed share
 - 68 disc (disk) coulter (Am. colter) drive
 - 69 open-web elevator
 - 70 agitator
 - 71 multi-step reduction gearing
 - 72 feeder
 - 73 haulm stripper (flail rotor)
 - 74 rotary elevating drum
 - 75 mechanical tumbling separator
 - 76 haulm conveyor with flexible haulm strippers
 - 77 haulm conveyor agitator
 - 78 haulm conveyor drive with V-belt
 - 79 studded rubber belt for sorting vines, clods and stones
 - 80 trash conveyor
 - 81 sorting table
 - 82 rubber-disc (rubber-disk) rollers for presorting
 - 83 discharge conveyor
 - 84 endless-floor hopper
 - 85-96 beet harvester
 - 85 topper
 - 86 feeler
 - 87 topping knife
 - 88 feeler support wheel with depth adjustment
 - 89 beet cleaner
 - 90 haulm elevator
 - 91 hydraulic pump
 - 92 compressed-air reservoir
 - 93 oil tank (oil reservoir)
 - 94 tensioning device for the beet elevator
 - 95 beet elevator belt
 - 96 beet hopper

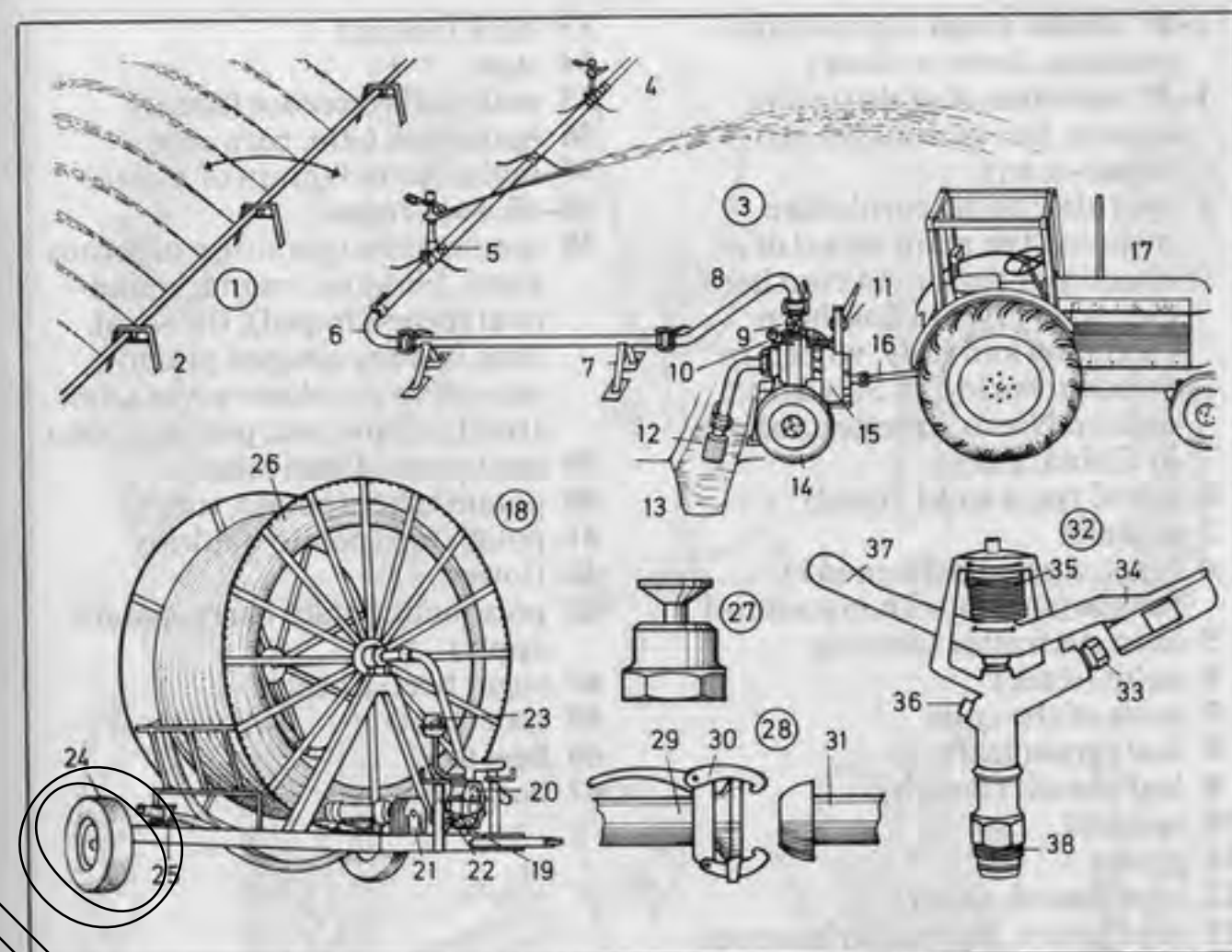


- 1 wheel plough (*Am. plow*),
a single-bottom plough [*form.*]
- 2 handle
- 3 plough (*Am. plow*) stilt (plough
handle)
- 4-8 plough (*Am. plow*) bottom
- 4 mouldboard (*Am. moldboard*)
- 5 landside
- 6 sole (slade)
- 7 ploughshare (share, *Am.*
plowshare)
- 8 frog (frame)
- 9 beam (plough beam, *Am.*
plowbeam)
- 10 knife coulter (*Am. colter*),
a coulter
- 11 skim coulter (*Am. colter*)
- 12 guide-chain crossbar
- 13 guide chain
- 14-19 forecarriage
- 14 adjustable yoke (yoke)
- 15 land wheel
- 16 furrow wheel
- 17 hake chain
- 18 draught beam (drawbar)
- 19 hake
- 20 tractor (general-purpose tractor)
- 21 cab frame (roll bar)
- 22 seat
- 23 power take-off gear-change
(gearshift)
- 24-29 power lift
- 24 ram piston
- 25 lifting rod adjustment
- 26 drawbar frame
- 27 top link
- 28 lower link
- 29 lifting rod
- 30 drawbar coupling
- 31 live power take-off (live power
take-off shaft, take-off shaft)
- 32 differential gear (differential)
- 33 floating axle
- 34 torque converter lever
- 35 gear-change (gearshift)
- 36 multi-speed transmission
- 37 fluid clutch (fluid drive)
- 38 power take-off gear
- 39 main clutch
- 40 power take-off gear-change
(gearshift) with power take-off
clutch
- 41 hydraulic power steering and
reversing gears
- 42 fuel tank
- 43 float lever
- 44 four-cylinder diesel engine
- 45 oil sump and pump for the
pressure-feed lubrication system
- 46 fresh oil tank
- 47 track rod (*Am. tie rod*)
- 48 front axle pivot pin
- 49 front axle suspension
- 50 front coupling (front hitch)
- 51 radiator
- 52 fan
- 53 battery
- 54 oil bath air cleaner (oil bath air
filter)
- 55 cultivator (grubber)
- 56 sectional frame
- 57 spring tine
- 58 share, a diamond-shaped share;
sim.: chisel-shaped share
- 59 depth wheel
- 60 depth adjustment
- 61 coupling (hitch)
- 62 reversible plough (*Am. plow*),
a mounted plough
- 63 depth wheel
- 64-67 plough (*Am. plow*) bottom,
a general-purpose plough bottom
- 64 mouldboard (*Am. moldboard*)
- 65 ploughshare (share, *Am.*
plowshare), a pointed share
- 66 sole (slade)
- 67 landside
- 68 skim coulter (*Am. colter*)
- 69 disc (disk) coulter (*Am. colter*)
(rolling coulter)
- 70 plough (*Am. plow*) frame
- 71 beam (plough beam, *Am.*
plowbeam)
- 72 three-point linkage
- 73 swivel mechanism
- 74 drill
- 75 seed hopper
- 76 drill coulter (*Am. colter*)
- 77 delivery tube, a telescopic tube
- 78 feed mechanism
- 79 gearbox
- 80 drive wheel
- 81 track indicator
- 82 disc (disk) harrow,
a semimounted implement
- 83 discs (disks) in X-configuration
- 84 plain disc (disk)
- 85 serrated-edge disc (disk)
- 86 quick hitch
- 87 combination seed-harrow
- 88 three-section spike-tooth
harrow
- 89 three-section rotary harrow
- 90 frame





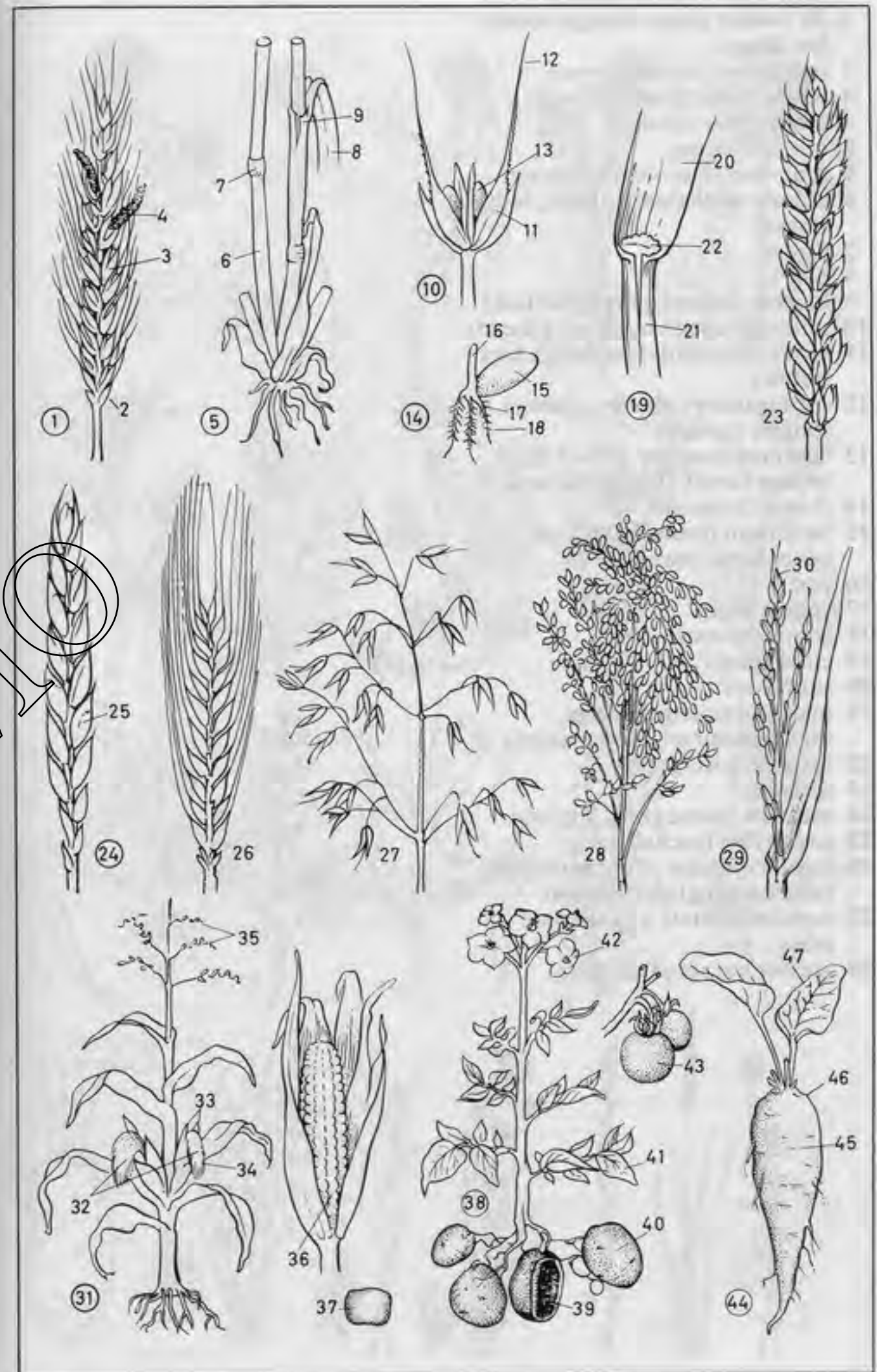
- 1 draw hoe (garden hoe)
- 2 hoe handle
- 3 three-pronged (three-tined) hay fork (fork)
- 4 prong (tine)
- 5 potato fork
- 6 potato hook
- 7 four-pronged (four-tined) manure fork (fork)
- 8 manure hoe
- 9 whetting hammer [for scythes]
- 10 peen (pane)
- 11 whetting anvil [for scythes]
- 12 scythe
- 13 scythe blade
- 14 cutting edge
- 15 heel
- 16 snath (snathe, snead, sneath)
- 17 handle
- 18 scythe sheath
- 19 whetstone (scythestone)
- 20 potato rake
- 21 potato planter
- 22 digging fork (fork)
- 23 wooden rake (rake, hayrake)
- 24 hoe (potato hoe)
- 25 potato basket, a wire basket
- 26 clover broadcaster



- 1 oscillating spray line
- 2 stand (steel chair)
- 3 portable irrigation system
- 4 revolving sprinkler
- 5 standpipe coupler
- 6 elbow with cardan joint (cardan coupling)
- 7 pipe support (trestle)
- 8 pump connection
- 9 delivery valve
- 10 pressure gauge (*Am. gage*) (manometer)
- 11 centrifugal evacuating pump
- 12 basket strainer
- 13 channel
- 14 chassis of the p.t.o.-driven pump (power take-off-driven pump)
- 15 p.t.o.-driven (power take-off-driven) pump
- 16 cardan shaft
- 17 tractor
- 18 long-range irrigation unit
- 19 drive connection
- 20 turbine
- 21 gearing (gears)
- 22 adjustable support
- 23 centrifugal evacuating pump
- 24 wheel
- 25 pipe support
- 26 polyester pipe
- 27 sprinkler nozzle
- 28 quick-fitting pipe connection with cardan joint
- 29 M-cardan
- 30 clamp
- 31 V-cardan
- 32 revolving sprinkler, a field sprinkler
- 33 nozzle
- 34 breaker
- 35 breaker spring
- 36 stopper
- 37 counterweight
- 38 thread

- 1-47 arable crops (agricultural produce, farm produce)
- 1-37 varieties of grain (grain, cereals, farinaceous plants, bread-corn)
- 1 rye (*also*: corn, 'corn' often meaning the main cereal of a country or region; in Northern Germany: rye; in Southern Germany and Italy: wheat; in Sweden: barley; in Scotland: oats; in North America: maize; in China: rice)
- 2 ear of rye, a spike (head)
- 3 spikelet
- 4 ergot, a grain deformed by fungus [shown with mycelium]
- 5 corn stem after tillering
- 6 culm (stalk)
- 7 node of the culm
- 8 leaf (grain leaf)
- 9 leaf sheath (sheath)
- 10 spikelet
- 11 glume
- 12 awn (beard, arista)
- 13 seed (grain, kernel, farinaceous grain)
- 14 embryo plant
- 15 seed
- 16 embryo
- 17 root
- 18 root hair
- 19 grain leaf
- 20 leaf blade (blade, lamina)
- 21 leaf sheath
- 22 ligule (ligula)
- 23 wheat
- 24 spelt
- 25 seed; *unripe*: green spelt, a soup vegetable
- 26 barley
- 27 oat panicle, a panicle
- 28 millet
- 29 rice
- 30 rice grain
- 31 maize (Indian corn, *Am. corn*); *varieties*: popcorn, dent corn, flint corn (flint maize, *Am. Yankee corn*), pod corn (*Am. cow corn*, husk corn), soft corn (*Am. flour corn*, squaw corn), sweet corn
- 32 female inflorescence

- 33 husk (shuck)
- 34 style
- 35 male inflorescence (tassel)
- 36 maize cob (*Am. corn cob*)
- 37 maize kernel (grain of maize)
- 38-45 root crops
- 38 potato plant (potato), a tuberous plant; *varieties*: round, round-oval (pear-shaped), flat-oval, long, kidney-shaped potato; *according to colour*: white (*Am. Irish*), yellow, red, purple potato
- 39 seed potato (seed tuber)
- 40 potato tuber (potato, tuber)
- 41 potato top (potato haulm)
- 42 flower
- 43 poisonous potato berry (potato apple)
- 44 sugar beet, a beet
- 45 root (beet)
- 46 beet top
- 47 beet leaf

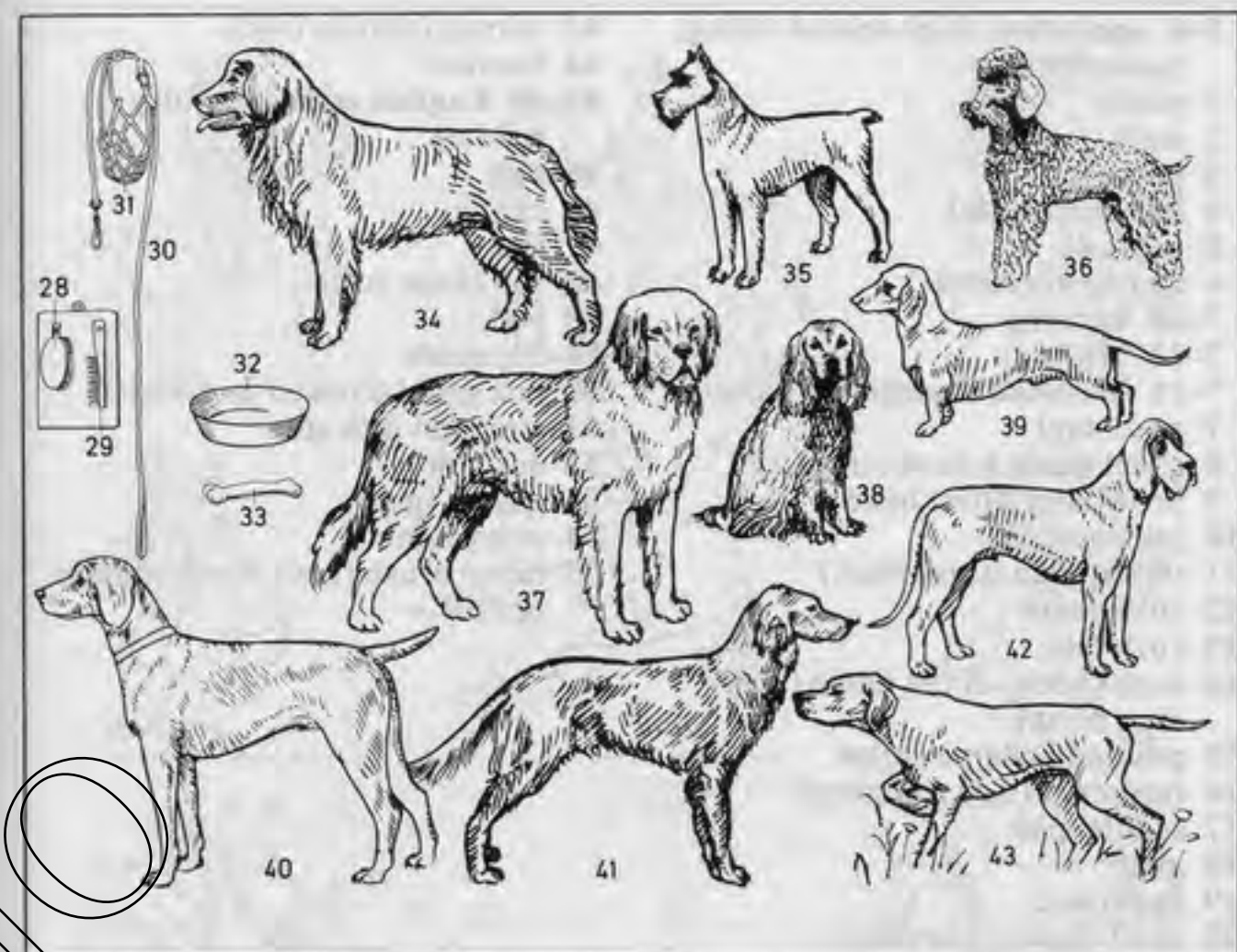


- 1-28 fodder plants (forage plants)
for tillage
- 1 red clover (purple clover)
 - 2 white clover (Dutch clover)
 - 3 alsike clover (alsike)
 - 4 crimson clover
 - 5 four-leaf (four-leaved) clover
 - 6 kidney vetch (lady's finger, lady-finger)
 - 7 flower
 - 8 pod
 - 9 lucerne (lucerne, purple medick)
 - 10 sainfoin (cock's head, cockshead)
 - 11 bird's foot (bird-foot, bird's foot trefoil)
 - 12 corn spurrey (spurrey, spurry), a spurrey (spurry)
 - 13 common comfrey, one of the borage family (Boraginaceae)
 - 14 flower (blossom)
 - 15 field bean (broad bean, tick bean, horse bean)
 - 16 pod
 - 17 yellow lupin
 - 18 common vetch
 - 19 chick-pea
 - 20 sunflower
 - 21 mangold (mangelwurzel, mangoldwurzel, field mangel)
 - 22 false oat (oat-grass)
 - 23 spikelet
 - 24 meadow fescue grass, a fescue
 - 25 cock's foot (cocksfoot)
 - 26 Italian ryegrass; *sim.*: perennial ryegrass (English ryegrass)
 - 27 meadow foxtail, a paniculate grass
 - 28 greater burnet saxifrage



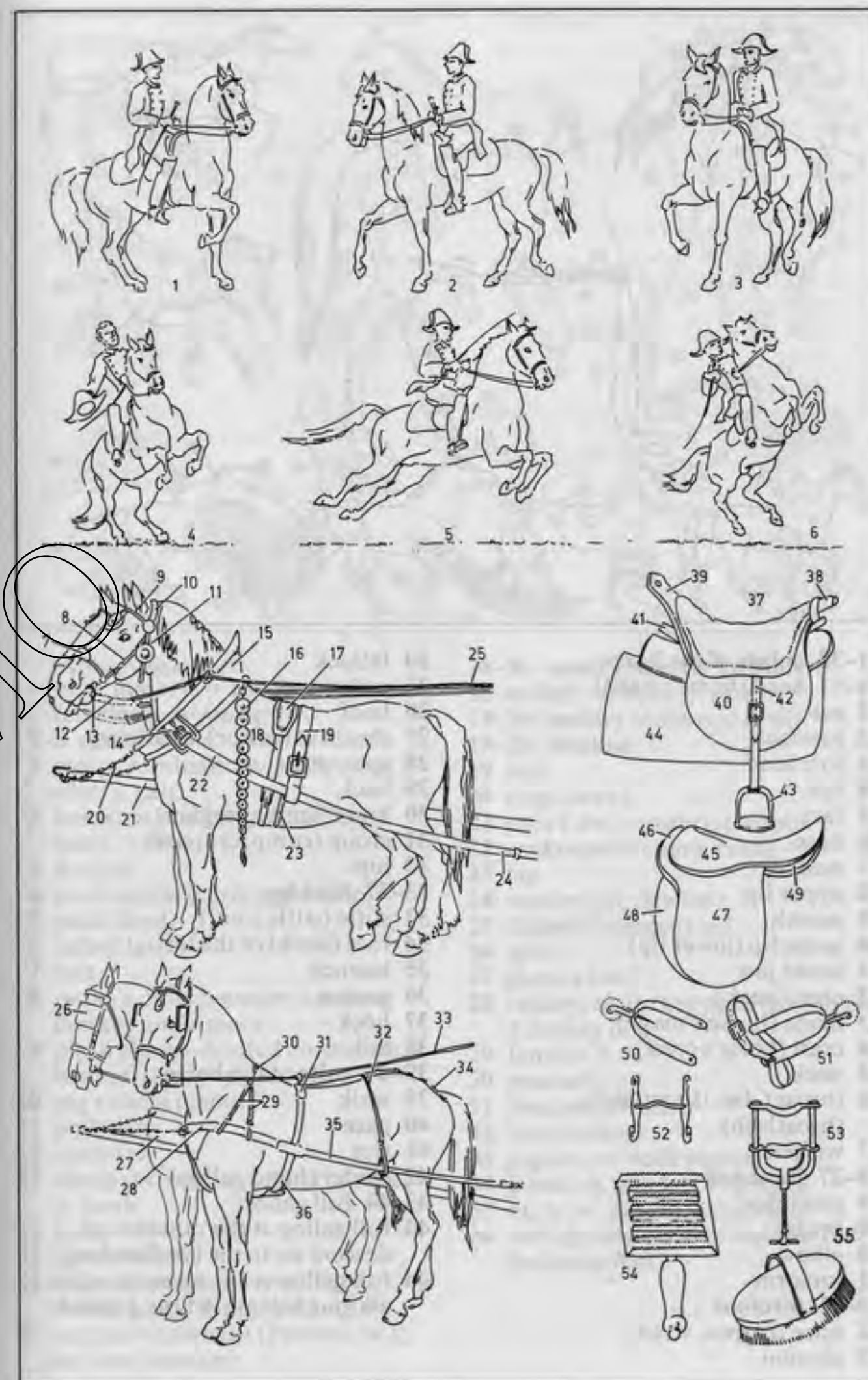


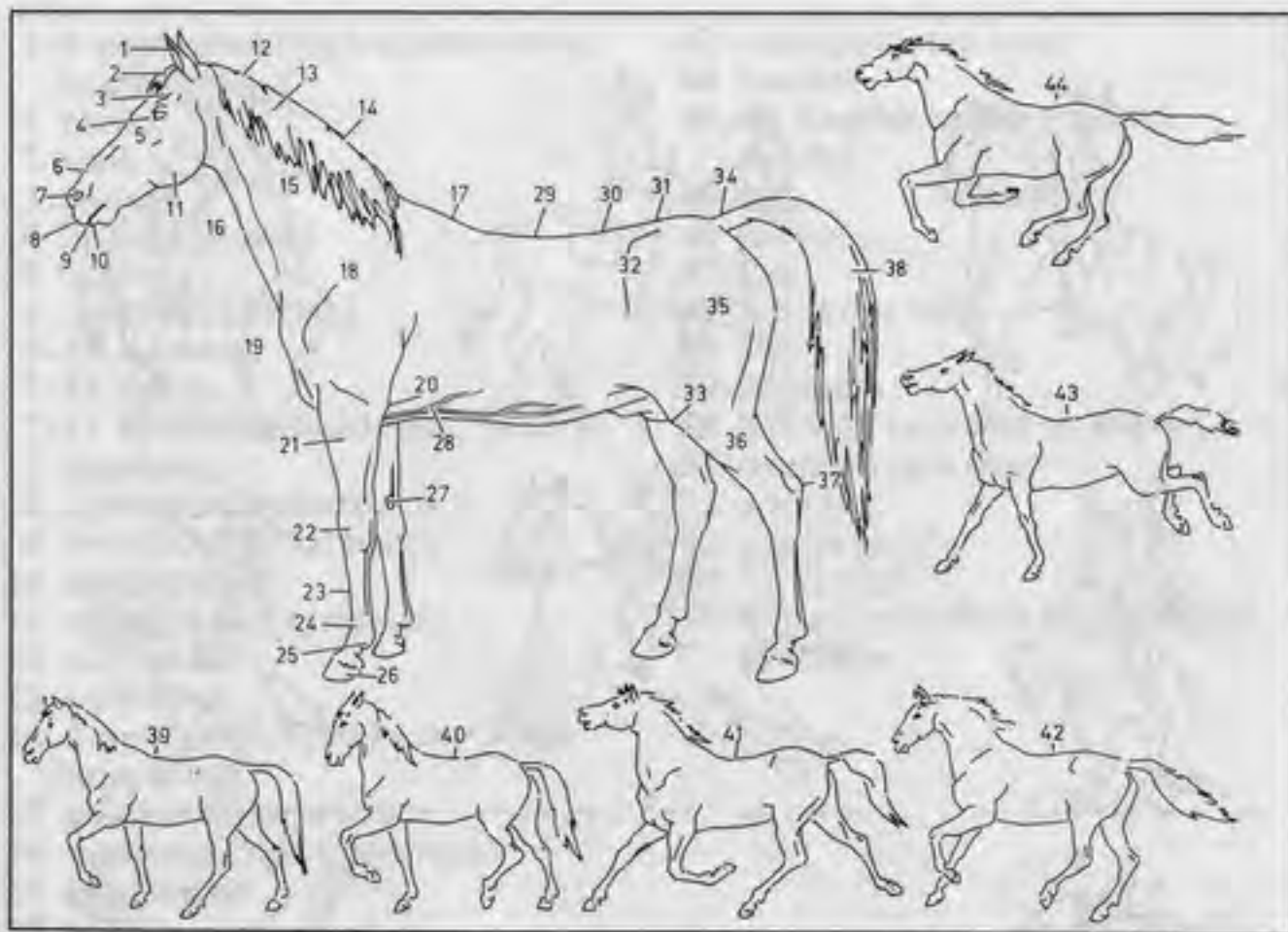
- 1 bulldog
 2 ear, a rose-ear
 3 muzzle
 4 nose
 5 foreleg
 6 forepaw
 7 hind leg
 8 hind paw
 9 pug (pug dog)
 10 boxer
 11 withers
 12 tail, a docked tail
 13 collar
 14 Great Dane
 15 wire-haired fox terrier
 16 bull terrier
 17 Scottish terrier
 18 Bedlington terrier
 19 Pekinese (Pekingese, Pekinese dog, Pekingese dog)
 20 spitz (Pomeranian)
 21 chow (chow-chow)
 22 husky
 23 Afghan (Afghan hound)
 24 greyhound (*Am.* grayhound), a courser
 25 Alsatian (German sheepdog, *Am.* German shepherd), a police dog, watch dog, and guide dog
 26 flews (chaps)
 27 Dobermann terrier



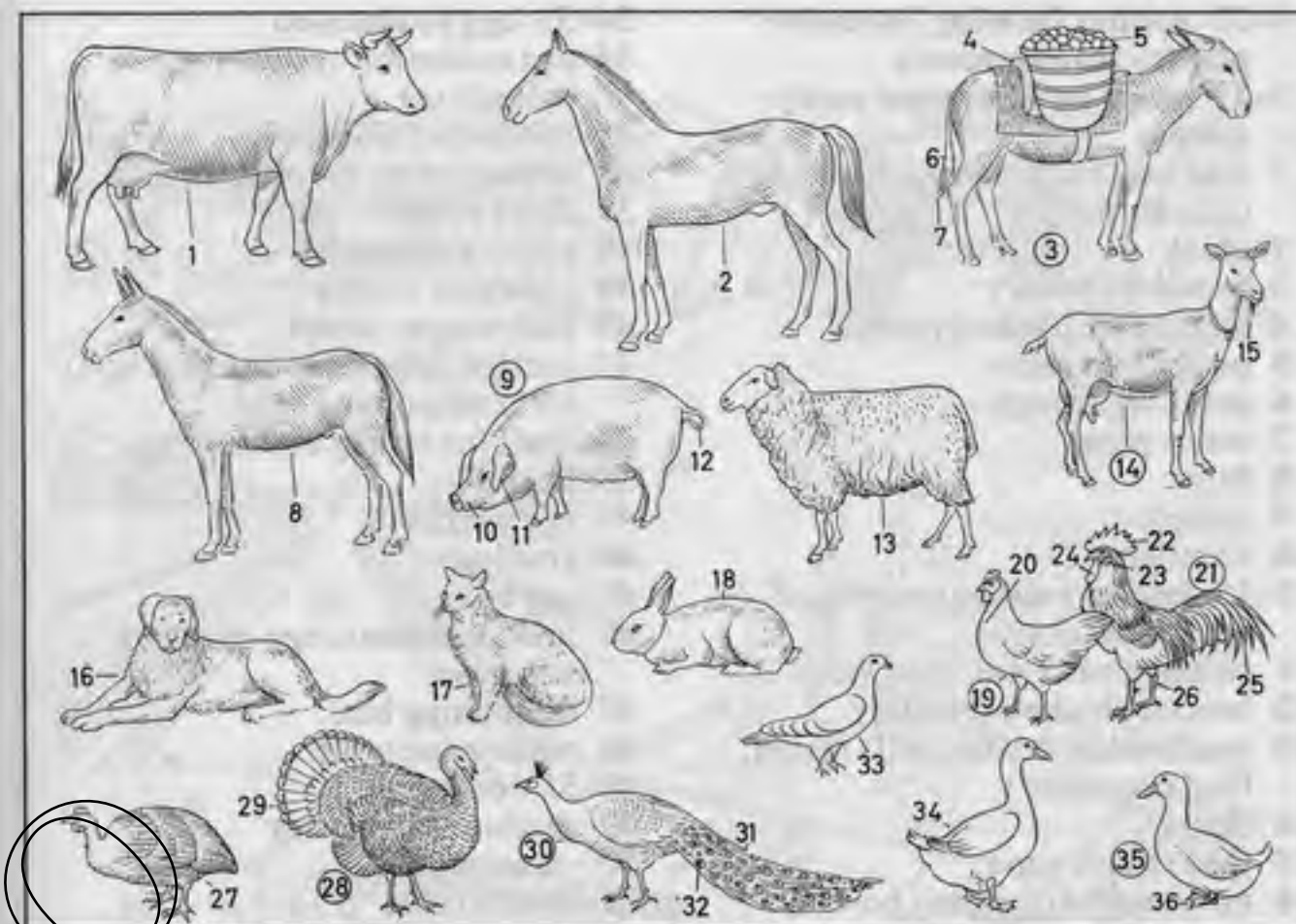
- 28 dog brush
 29 dog comb
 30 lead (dog lead, leash); *for hunting*: leash
 31 muzzle
 32 feeding bowl (dog bowl)
 33 bone
 34 Newfoundland dog
 35 schnauzer
 36 poodle; *sim. and smaller*: pygmy (pigmy) poodle
 37 St. Bernard (St. Bernard dog)
 38 cocker spaniel
 39 dachshund, a terrier
 40 German pointer
 41 English setter
 42 trackhound
 43 pointer, a trackhound

- 1-6 **equitation** (high school riding, haute école)
- 1 piaffe
 - 2 walk
 - 3 passage
 - 4 levade (pesade)
 - 5 capriole
 - 6 courbette (curvet)
- 7-25 **harness**
- 7-13 **bridle**
 - 7-11 **headstall** (headpiece, halter)
 - 7 noseband
 - 8 cheek piece (cheek strap)
 - 9 browband (front band)
 - 10 crownpiece
 - 11 throatlatch (throatlash)
 - 12 curb chain
 - 13 curb bit
 - 14 hasp (hook) of the hame (*Am.* drag hook)
 - 15 pointed collar, a collar
 - 16 trappings (side trappings)
 - 17 saddle-pad
 - 18 girth
 - 19 backband
 - 20 shaft chain (pole chain)
 - 21 pole
 - 22 trace
 - 23 second girth (emergency girth)
 - 24 trace
 - 25 reins (*Am.* lines)
- 26-36 **breast harness**
- 26 blinker (*Am.* blinder, winker)
 - 27 breast collar ring
 - 28 breast collar (Dutch collar)
 - 29 fork
 - 30 neck strap
 - 31 saddle-pad
 - 32 loin strap
 - 33 reins (rein, *Am.* line)
 - 34 crupper (crupper-strap)
 - 35 trace
 - 36 girth (belly-band)
- 37-49 **saddles**
- 37-44 **stock saddle** (*Am.* western saddle)
 - 37 saddle seat
 - 38 pommel horn (horn)
 - 39 cantle
 - 40 flap (*Am.* fender)
 - 41 bar
 - 42 stirrup leather
 - 43 stirrup (stirrup iron)
 - 44 blanket
- 45-49 **English saddle** (cavalry saddle)
- 45 seat
 - 46 cantle
 - 47 flap
 - 48 roll (knee roll)
 - 49 pad
- 50-51 **spurs**
- 50 box spur (screwed jack spur)
 - 51 strapped jack spur
 - 52 curb bit
 - 53 gag bit (gag)
 - 54 currycomb
 - 55 horse brush (body brush, dandy brush)



**1-38 points of the horse****1-11 head (horse's head)**

- 1 ear
- 2 forelock
- 3 forehead
- 4 eye
- 5 face
- 6 nose
- 7 nostril
- 8 upper lip
- 9 mouth
- 10 underlip (lower lip)
- 11 lower jaw
- 12 crest (neck)
- 13 mane (horse's mane)
- 14 crest (horse's crest)
- 15 neck
- 16 throat (*Am.* throatlatch, throatlash)
- 17 withers
- 18-27 forehand**
- 18 shoulder
- 19 breast
- 20 elbow
- 21 forearm
- 22-26 forefoot**
- 22 knee (carpus, wrist)
- 23 cannon

24 fetlock**25 pastern****26 hoof****27 chestnut (castor), a callosity****28 spur vein****29 back****30 loins (lumbar region)****31 croup (rump, crupper)****32 hip****33-37 hind leg****33 stifle (stifle joint)****34 root (dock) of the tail****35 haunch****36 gaskin****37 hock****38 tail****39-44 gaits of the horse****39 walk****40 pace****41 trot****42 canter (hand gallop)****43-44 full gallop****43 full gallop at the moment of descent on to the two forefeet****44 full gallop at the moment when all four feet are off the ground****Abbreviations:**

m. = male; *c.* = castrated; *f.* = female; *y.* = young

1-2 cattle

1 cow, a ruminant; *m.* bull; *c.* ox; *f.* cow; *y.* calf

2 horse; *m.* stallion; *c.* gelding; *f.* mare; *y.* foal

3 donkey

4 pack saddle (carrying saddle)

5 pack (load)

6 tufted tail

7 tuft

8 mule, a cross between a male donkey and a mare

9 pig, a cloven-hoofed animal; *m.* boar; *f.* sow; *y.* piglet

10 pig's snout (snout)

11 pig's ear

12 curly tail

13 sheep; *m.* ram; *c.* wether; *f.* ewe; *y.* lamb

14 goat

15 goat's beard

16 dog, a Leonberger; *m.* dog; *f.* bitch; *y.* pup (puppy, whelp)

17 cat, an Angora cat (Persian cat); *m.* tom (tom cat)

18-36 small domestic animals

18 rabbit; *m.* buck; *f.* doe

19-36 poultry (domestic fowl)**19-26 chicken**

19 hen

20 crop (crop)

21 cock (*Am.* rooster); *c.* capon

22 cockscomb (comb, crest)

23 lap

24 wattle (gill, dewlap)

25 falcate (falcated) tail

26 spur

27 guinea fowl

28 turkey; *m.* turkey cock (gobbler); *f.* turkey hen

29 fan tail

30 peacock

31 peacock's feather

32 eye (ocellus)

33 pigeon; *m.* cock pigeon

34 goose; *m.* gander; *y.* gosling

35 duck; *m.* drake; *y.* duckling

36 web (palmations) of webbed foot (palmate foot)

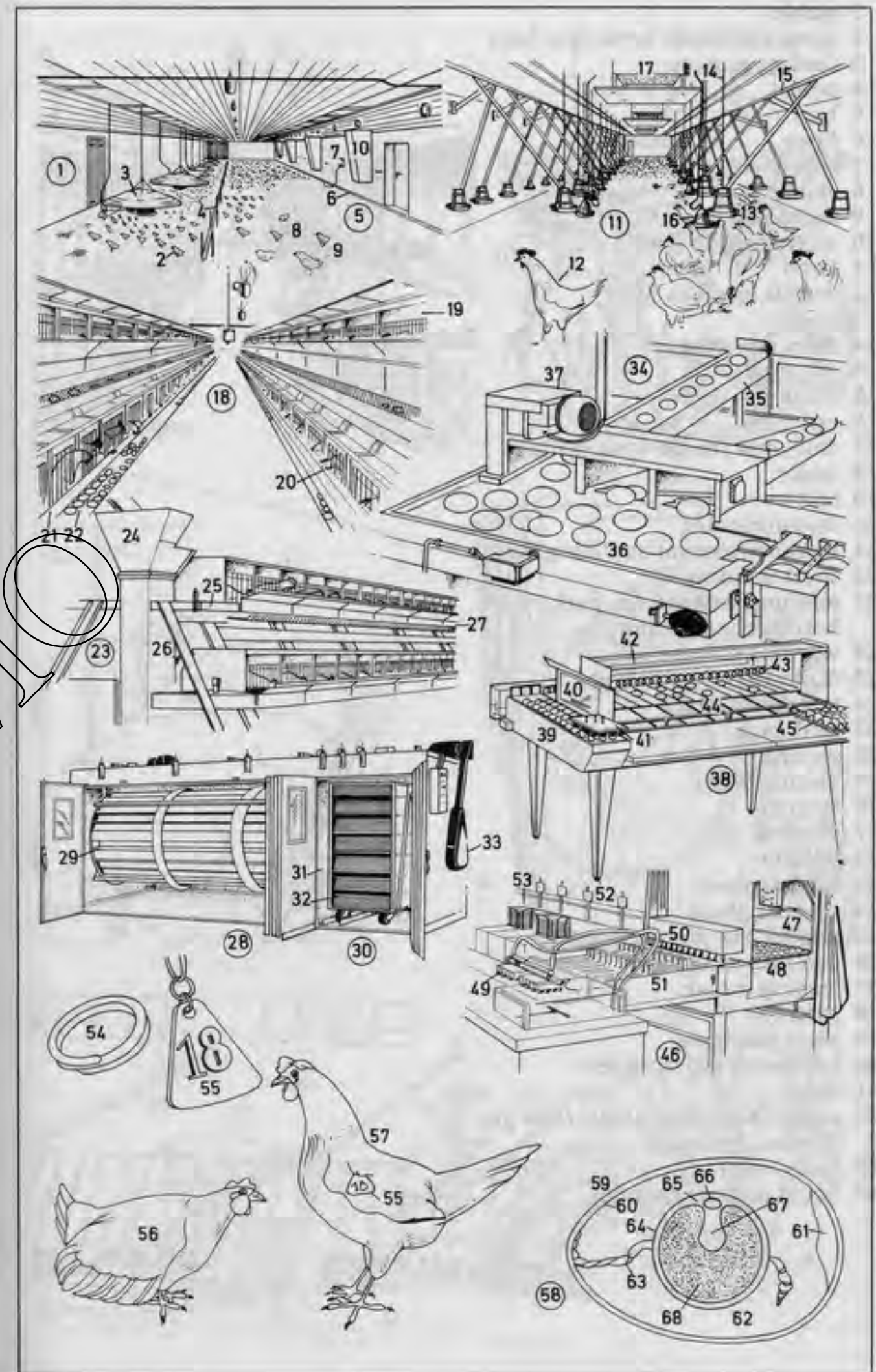
1-27 poultry farming (intensive poultry management)

1-17 straw yard (strawed yard) system

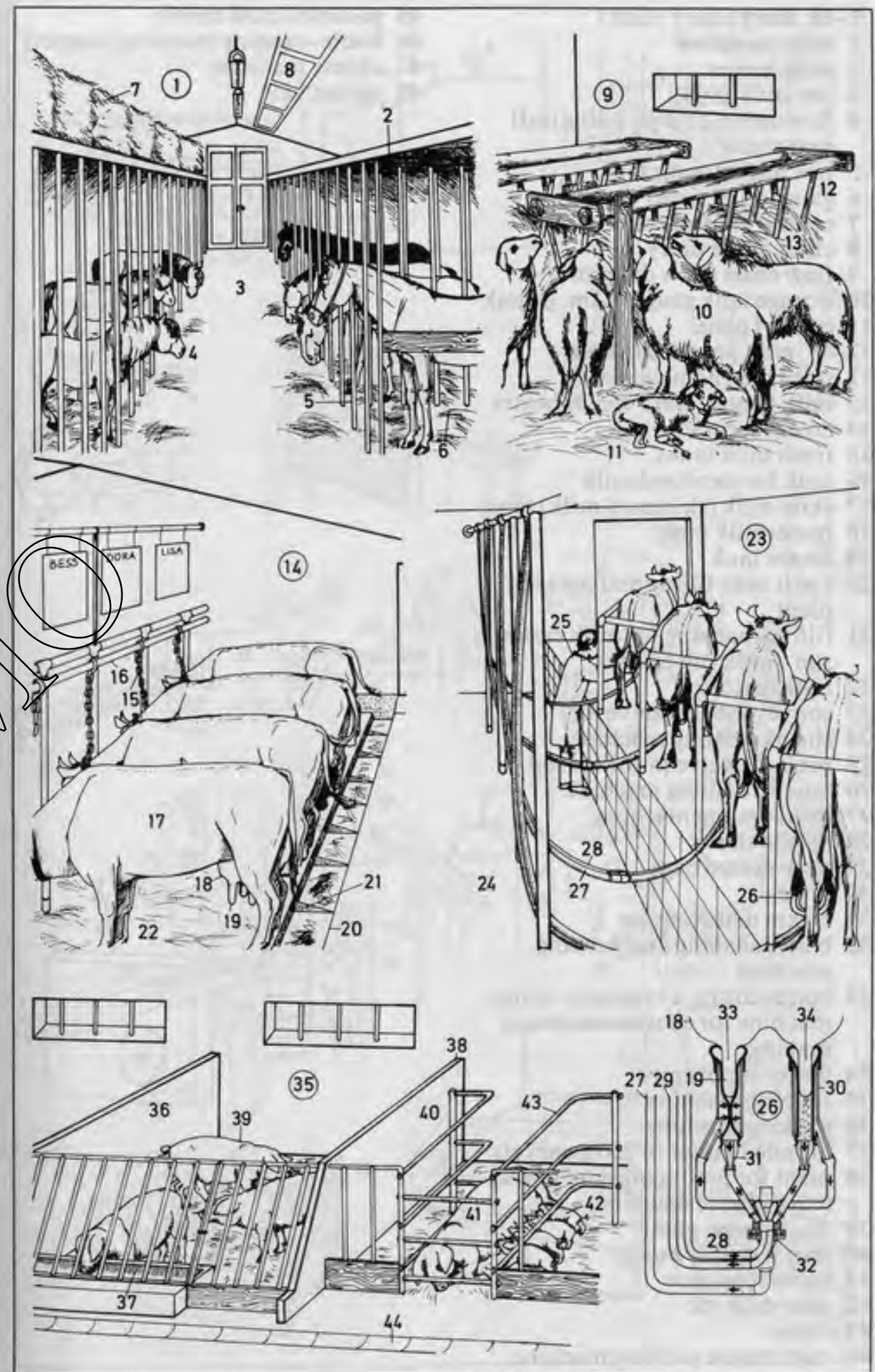
- 1 fold unit for growing stock (chick unit)
- 2 chick
- 3 brooder (hover)
- 4 adjustable feeding trough
- 5 pullet fold unit
- 6 drinking trough
- 7 water pipe
- 8 litter
- 9 pullet
- 10 ventilator
- 11-17 broiler rearing (rearing of broiler chickens)
- 11 chicken run (*Am.* fowl run)
- 12 broiler chicken (broiler)
- 13 mechanical feeder (self-feeder, feed dispenser)
- 14 chain
- 15 feed supply pipe
- 16 mechanical drinking bowl (mechanical drinker)
- 17 ventilator
- 18 battery system (cage system)
- 19 battery (laying battery)
- 20 tiered cage (battery cage, stepped cage)
- 21 feeding trough
- 22 egg collection by conveyor
- 23-27 mechanical feeding and dunging (manure removal, droppings removal)
- 23 rapid feeding system for battery feeding (mechanical feeder)
- 24 feed hopper
- 25 endless-chain conveyor (chain feeder)
- 26 water pipe (liquid feed pipe)
- 27 dunging chain (dunging conveyor)
- 28 [cabinet type] setting and hatching machine
- 29 ventilation drum [for the setting compartment]
- 30 hatching compartment (hatcher)
- 31 metal trolley for hatching trays
- 32 hatching tray
- 33 ventilation drum motor

34-53 egg production

- 34 egg collection system (egg collection)
- 35 multi-tier transport
- 36 collection by pivoted fingers
- 37 drive motor
- 38 sorting machine
- 39 conveyor trolley
- 40 fluorescent screen
- 41 suction apparatus (suction box) for transporting eggs
- 42 shelf for empty and full egg boxes
- 43 egg weighers
- 44 grading
- 45 egg box
- 46 fully automatic egg-packing machine
- 47 radioscope box
- 48 radioscope table
- 49-51 feeder
- 49 suction transporter
- 50 vacuum line
- 51 supply table
- 52 automatic counting and grading
- 53 packing box dispenser
- 54 leg ring
- 55 wing tally (identification tally)
- 56 bantam
- 57 laying hen
- 58 hen's egg (egg)
- 59 eggshell, an egg integument
- 60 shell membrane
- 61 air space
- 62 white [of the egg] (albumen)
- 63 chalaza (*Am.* treadle)
- 64 vitelline membrane (yolk sac)
- 65 blastodisc (germinal disc, cock's tread, cock's treadle)
- 66 germinal vesicle
- 67 white
- 68 yolk

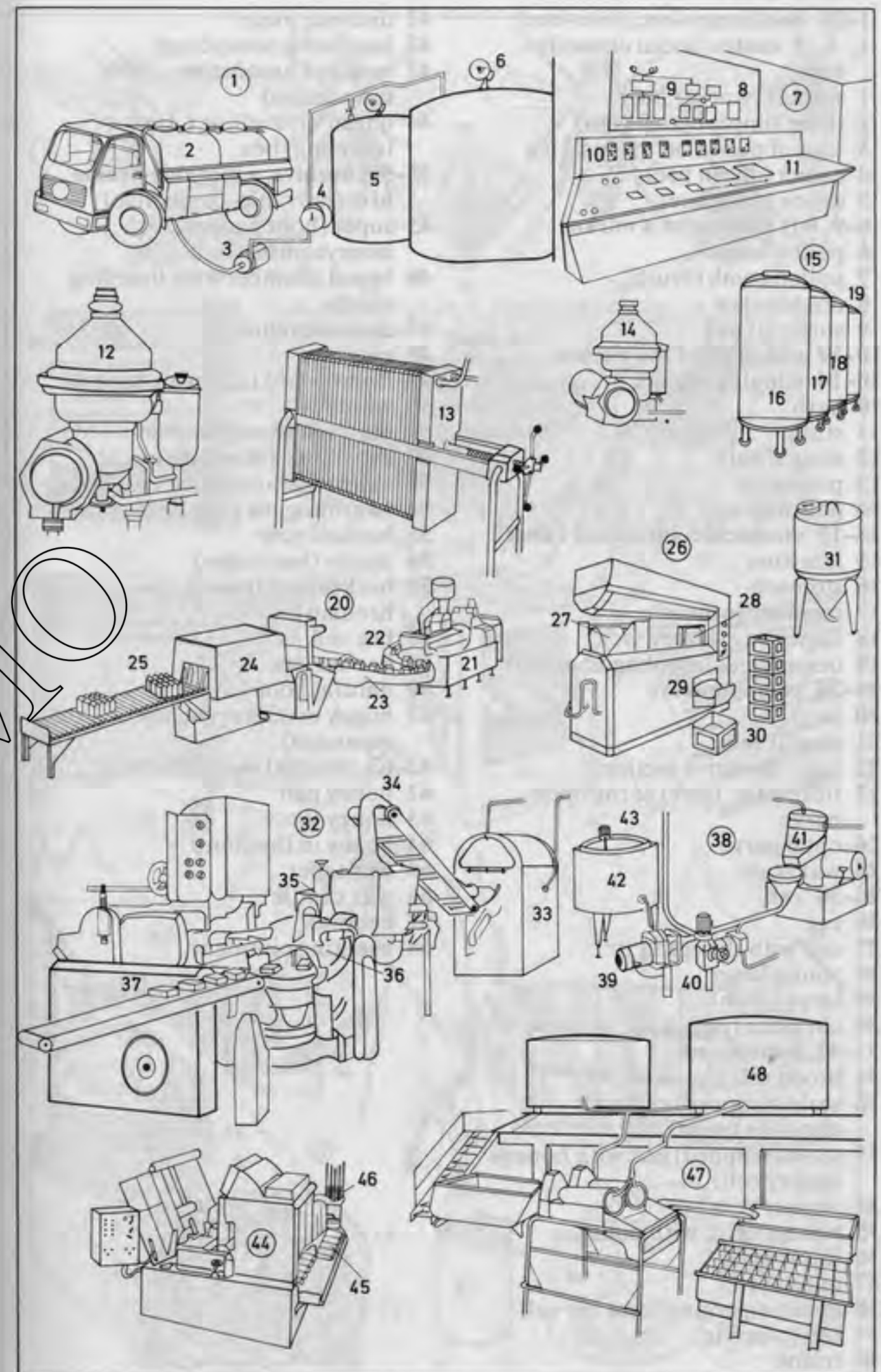


- 1 stable
- 2 horse stall (stall, horse box, box)
- 3 feeding passage
- 4 pony
- 5 bars
- 6 litter
- 7 bale of straw
- 8 ceiling light
- 9 sheep pen
- 10 mother sheep (ewe)
- 11 lamb
- 12 double hay rack
- 13 hay
- 14 dairy cow shed
- 15-16 tether
- 15 chain
- 16 rail
- 17 dairy cow (milch-cow, milker)
- 18 udder
- 19 teat
- 20 manure gutter
- 21 manure removal by sliding bars
- 22 short standing
- 23 milking parlour (*Am.* parlor), a herringbone parlour
- 24 working passage
- 25 milker (*Am.* milkman)
- 26 teat cup cluster
- 27 milk pipe
- 28 air line
- 29 vacuum line
- 30 teat cup
- 31 window
- 32 pulsator
- 33 release phase
- 34 squeeze phase
- 35 pigsty (*Am.* pigpen, hogpen)
- 36 pen for young pigs
- 37 feeding trough
- 38 partition
- 39 pig, a young pig
- 40 farrowing and store pen
- 41 sow
- 42 piglet (*Am.* shoat, shote) (sow pig [for first 8 weeks])
- 43 farrowing rails
- 44 liquid manure channel



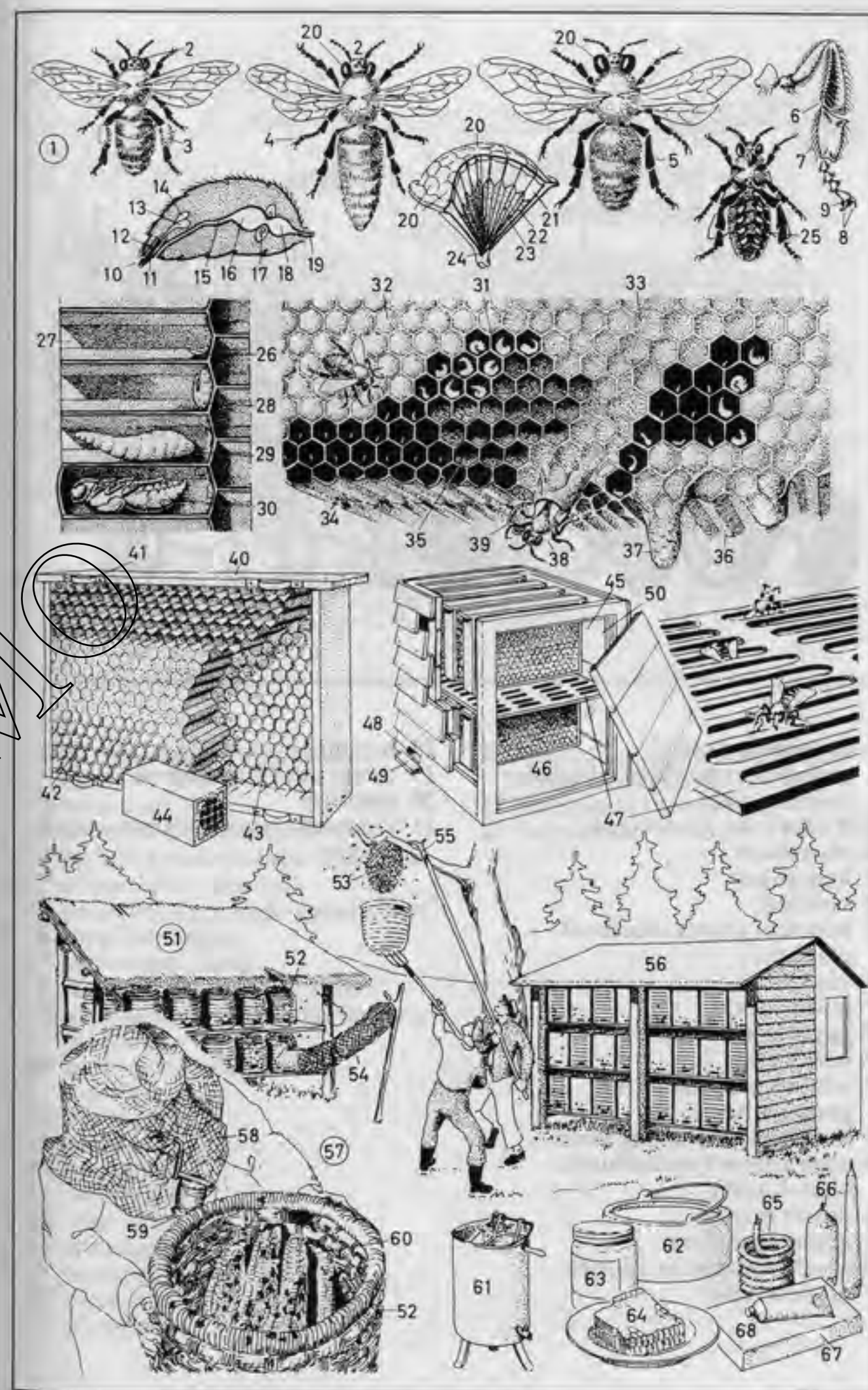
- 1-48 dairy (dairy plant)
- 1 milk reception
 - 2 milk tanker
 - 3 raw milk pump
 - 4 flowmeter, an oval (elliptical) gear meter
 - 5 raw milk storage tank
 - 6 gauge (Am. gage)
 - 7 central control room
 - 8 chart of the dairy
 - 9 flow chart (flow diagram)
 - 10 storage tank gauges (Am. gages)
 - 11 control panel
 - 12-48 milk processing area
 - 12 sterilizer (homogenizer)
 - 13 milk heater; *sim.*: cream heater
 - 14 cream separator
 - 15 fresh milk tanks
 - 16 tank for sterilized milk
 - 17 skim milk (skimmed milk) tank
 - 18 buttermilk tank
 - 19 cream tank
 - 20 fresh milk filling and packing plant
 - 21 filling machine for milk cartons; *sim.*: milk tub filler
 - 22 milk carton
 - 23 conveyor belt (conveyor)
 - 24 shrink-sealing machine
 - 25 pack of twelve in shrink foil
 - 26 ten-litre filling machine
 - 27 heat-sealing machine
 - 28 plastic sheets
 - 29 heat-sealed bag
 - 30 crate
 - 31 cream maturing vat
 - 32 butter shaping and packing machine
 - 33 butter churn, a creamery butter machine for continuous butter making
 - 34 butter supply pipe
 - 35 shaping machine
 - 36 packing machine
 - 37 branded butter in 250 g packets
 - 38 plant for producing curd cheese (curd cheese machine)
 - 39 curd cheese pump
 - 40 cream supply pump
 - 41 curds separator
 - 42 sour milk vat
 - 43 stirrer
 - 44 curd cheese packing machine
 - 45 packeted curd cheese
 - 46 bottle-capping machine (capper)
 - 47 cheese machine
 - 48 rennet vat

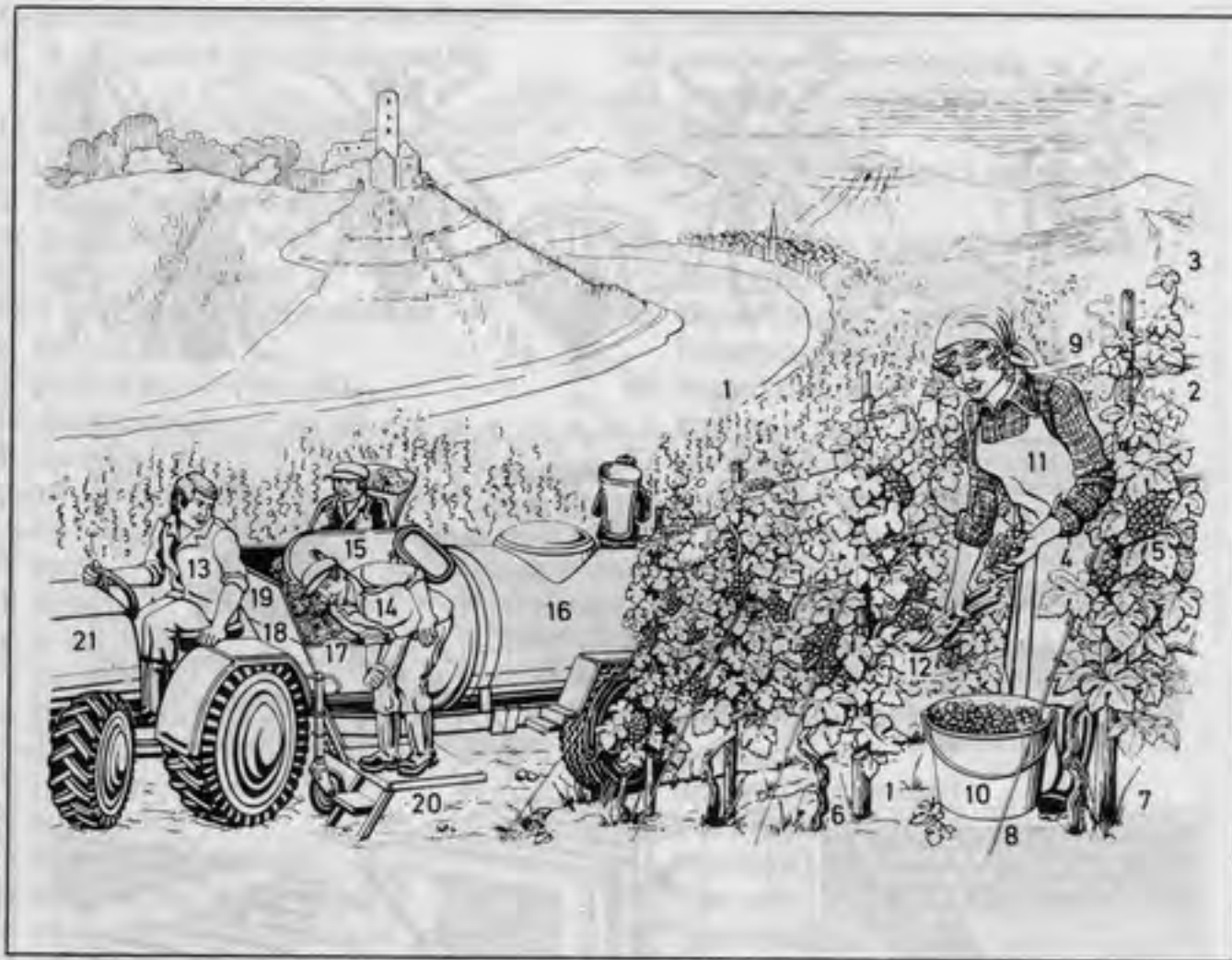
- 45 packeted curd cheese
- 46 bottle-capping machine (capper)
- 47 cheese machine
- 48 rennet vat



- 1-25 bee (honey-bee, hive-bee)
 1, 4, 5 castes (social classes) of bees
 1 worker (worker bee)
 2 three simple eyes (ocelli)
 3 load of pollen on the hind leg
 4 queen (queen bee)
 5 drone (male bee)
 6-9 left hind leg of a worker
 6 pollen basket
 7 pollen comb (brush)
 8 double claw
 9 suctorial pad
 10-19 abdomen of the worker
 10-14 stinging organs
 10 barb
 11 sting
 12 sting sheath
 13 poison sac
 14 poison gland
 15-19 stomachic-intestinal canal
 15 intestine
 16 stomach
 17 contractile muscle
 18 honey bag (honey sac)
 19 oesophagus (esophagus, gullet)
 20-24 compound eye
 20 facet
 21 crystal cone
 22 light-sensitive section
 23 fibre (*Am.* fiber) of the optic nerve
 24 optic nerve
 25 wax scale
 26-30 cell
 26 egg
 27 cell with the egg in it
 28 young larva
 29 larva (grub)
 30 chrysalis (pupa)
 31-43 honeycomb
 31 brood cell
 32 sealed (capped) cell with chrysalis (pupa)
 33 sealed (capped) cell with honey (honey cell)
 34 worker cells
 35 storage cells, with pollen
 36 drone cells
 37 queen cell
 38 queen emerging from her cell
 39 cap (capping)
 40 frame

- 41 distance piece
 42 [artificial] honeycomb
 43 septum (foundation, comb foundation)
 44 queen's travelling (*Am.* traveling) box
 45-50 beehive, a movable-frame hive (movable-comb hive)
 45 super (honey super) with honeycombs
 46 brood chamber with breeding combs
 47 queen-excluder
 48 entrance
 49 flight board (alighting board)
 50 window
 51 old-fashioned bee shed
 52 straw hive (skep), a hive
 53 swarm (swarm cluster) of bees
 54 swarming net (bag net)
 55 hooked pole
 56 apiary (bee house)
 57 beekeeper (apiarist, *Am.* beeman)
 58 bee veil
 59 bee smoker
 60 natural honeycomb
 61 honey extractor (honey separator)
 62-63 strained honey (honey)
 62 honey pail
 63 honey jar
 64 honey in the comb
 65 wax taper
 66 wax candle
 67 beeswax
 68 bee sting ointment

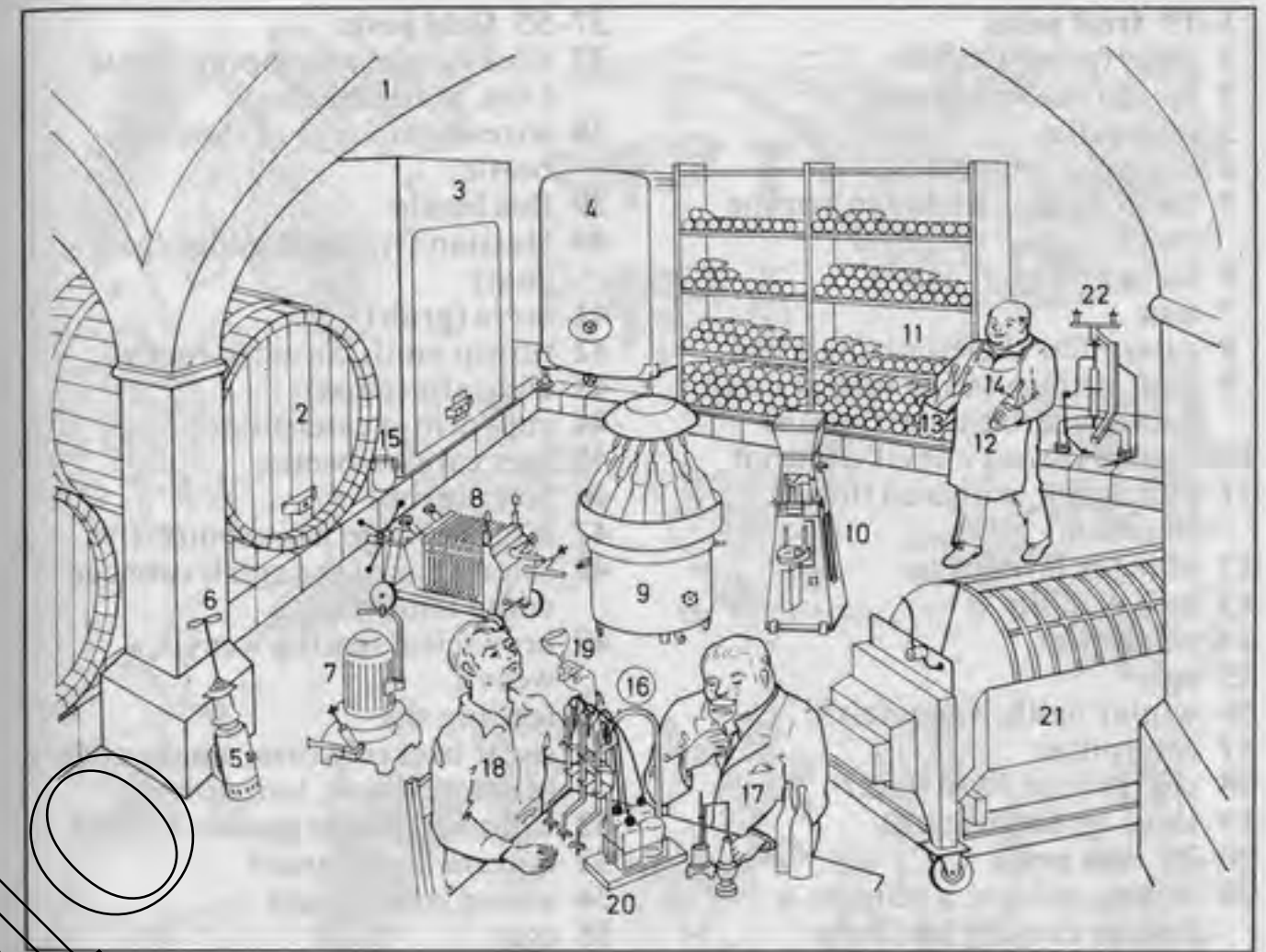


**1-21 vineyard area**

- 1 vineyard using wire trellises for training vines
- 2-9 vine (*Am.* grapevine)
 - 2 vine shoot
 - 3 long shoot
 - 4 vine leaf
 - 5 bunch of grapes (cluster of grapes)
 - 6 vine stem
 - 7 post (stake)
 - 8 guy (guy wire)
 - 9 wire trellis
- 10 tub for grape gathering
- 11 grape gatherer
- 12 secateurs for pruning vines
- 13 wine grower (viniculturist, viticulturist)
- 14 dossier carrier
- 15 dossier (pannier)
- 16 crushed grape transporter
- 17 grape crusher

18 hopper

- 19 three-sided flap extension
- 20 platform
- 21 vineyard tractor, a narrow-track tractor

**1-22 wine cellar (wine vault)**

- 1 vault
- 2 wine cask
- 3 wine vat, a concrete vat
- 4 stainless steel vat (*also*: vat made of synthetic material)
- 5 propeller-type high-speed mixer
- 6 propeller mixer
- 7 centrifugal pump
- 8 stainless steel sediment filter
- 9 semi-automatic circular bottling machine
- 10 semi-automatic corking machine
- 11 bottle rack
- 12 cellarer's assistant
- 13 bottle basket
- 14 wine bottle
- 15 wine jug
- 16 wine tasting
- 17 head cellarman
- 18 cellarman
- 19 wineglass

20 inspection apparatus [for spot-checking samples]

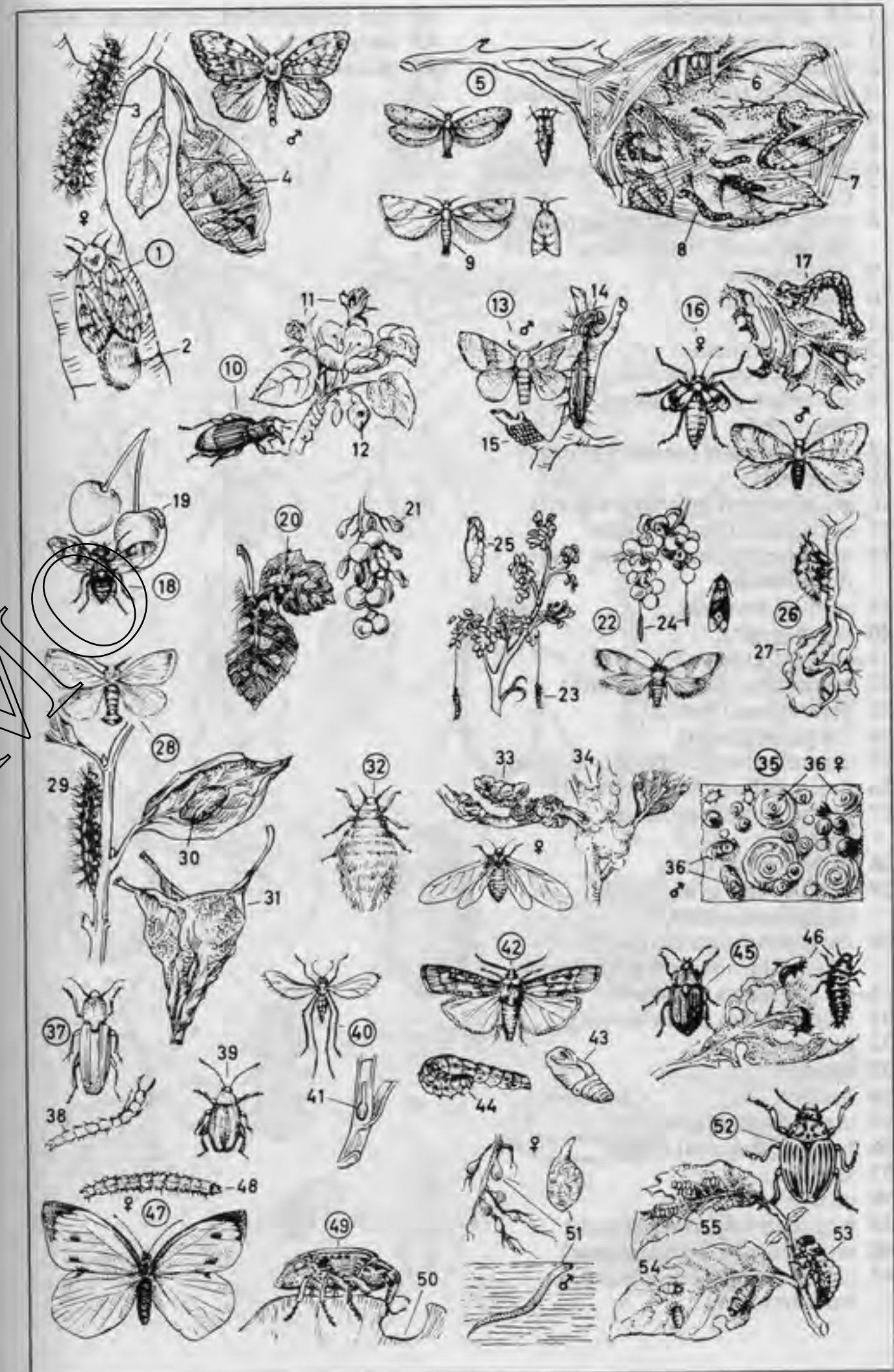
- 21 horizontal wine press
- 22 humidifier

1-19 fruit pests

- 1 gipsy (gypsy) moth
- 2 batch (cluster) of eggs
- 3 caterpillar
- 4 chrysalis (pupa)
- 5 small ermine moth, an ermine moth
- 6 larva (grub)
- 7 tent
- 8 caterpillar skeletonizing a leaf
- 9 fruit surface eating tortrix moth (summer fruit tortrix moth)
- 10 appleblossom weevil, a weevil
- 11 punctured, withered flower (blossom)
- 12 hole for laying eggs
- 13 lackey moth
- 14 caterpillar
- 15 eggs
- 16 winter moth, a geometrid
- 17 caterpillar
- 18 cherry fruit fly, a borer
- 19 larva (grub, maggot)

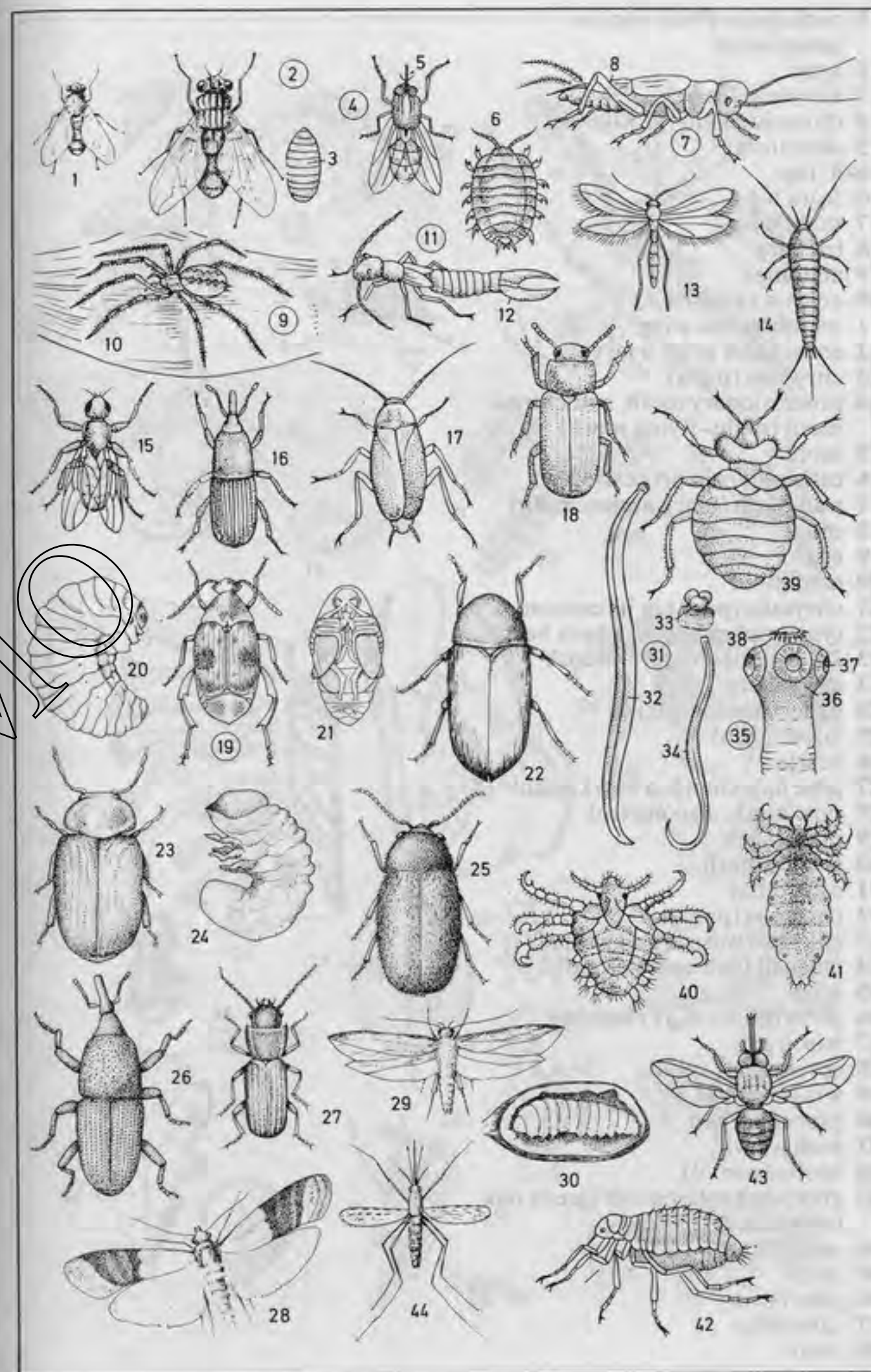
37-55 field pests

- 20-27 vine pests
- 20 downy mildew, a mildew, a disease causing leaf drop
- 21 grape affected with downy mildew
- 22 grape-berry moth
- 23 first-generation larva of the grape-berry moth (*Am. grape worm*)
- 24 second-generation larva of the grape-berry moth (*Am. grape worm*)
- 25 chrysalis (pupa)
- 26 root louse, a grape phylloxera
- 27 root gall (knotty swelling of the root, nodosity, tuberosity)
- 28 brown-tail moth
- 29 caterpillar
- 30 batch (cluster) of eggs
- 31 hibernation cocoon
- 32 woolly apple aphid (American blight), an aphid
- 33 gall caused by the woolly apple aphid
- 34 woolly apple aphid colony
- 35 San-José scale, a scale insect (scale louse)
- 36 larvae (grubs) [*male elongated, female round*]
- 37 click beetle, a snapping beetle (*Am. snapping bug*)
- 38 wireworm, larva of the click beetle
- 39 flea beetle
- 40 Hessian fly, a gall midge (gall gnat)
- 41 larva (grub)
- 42 turnip moth, an earth moth
- 43 chrysalis (pupa)
- 44 cutworm, a caterpillar
- 45 beet carrion beetle
- 46 larva (grub)
- 47 large cabbage white butterfly
- 48 caterpillar of the small cabbage white butterfly
- 49 brown leaf-eating weevil, a weevil
- 50 feeding site
- 51 sugar beet eelworm, a nematode (a threadworm, hairworm)
- 52 Colorado beetle (potato beetle)
- 53 mature larva (grub)
- 54 young larva (grub)
- 55 eggs

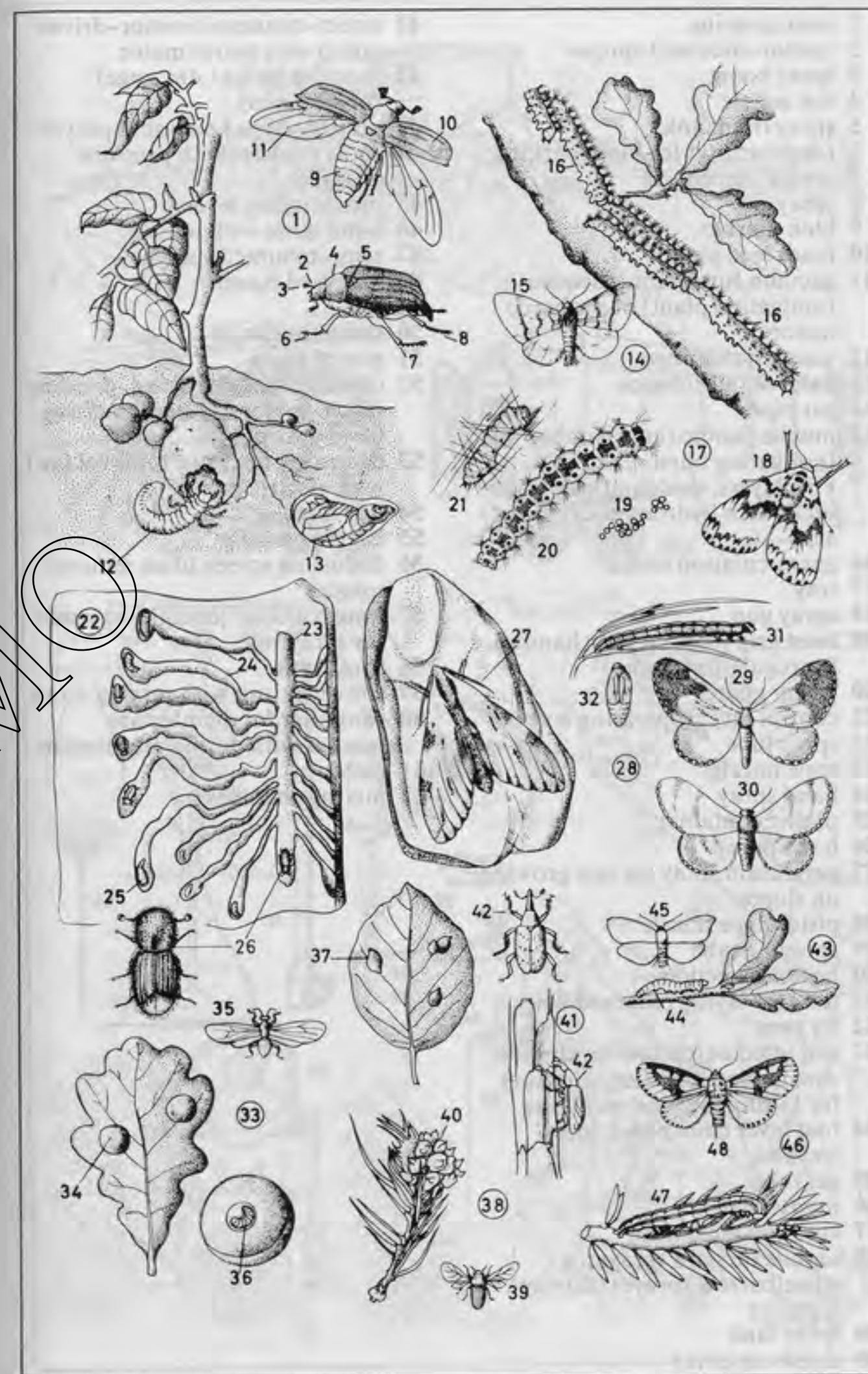


- 1-14 house insects
 1 lesser housefly
 2 common housefly
 3 chrysalis (pupa, coarctate pupa)
 4 stable fly (biting housefly)
 5 trichotomous antenna
 6 wood louse (slater, *Am.* sow bug)
 7 house cricket
 8 wing with stridulating apparatus (stridulating mechanism)
 9 house spider
 10 spider's web
 11 earwig
 12 caudal pincers
 13 clothes moth, a moth
 14 silverfish (*Am.* slicker), a bristletail
 15-30 food pests (pests to stores)
 15 cheese fly
 16 grain weevil (granary weevil)
 17 cockroach (black beetle)
 18 meal beetle (meal worm beetle, flour beetle)
 19 spotted bruchus
 20 larva (grub)
 21 chrysalis (pupa)
 22 leather beetle (hide beetle)
 23 yellow meal beetle
 24 chrysalis (pupa)
 25 cigarette beetle (tobacco beetle)
 26 maize billbug (corn weevil)
 27 one of the *Cryptolestes*, a grain pest
 28 Indian meal moth
 29 Angoumois grain moth (Angoumois moth)
 30 Angoumois grain moth caterpillar inside a grain kernel
 31-42 parasites of man
 31 round worm (maw worm)
 32 female
 33 head
 34 male
 35 tapeworm, a flatworm
 36 head, a suckorial organ
 37 sucker
 38 crown of hooks
 39 bug (bed bug, *Am.* chinch)
 40 crab louse (a human louse)
 41 clothes louse (body louse, a human louse)

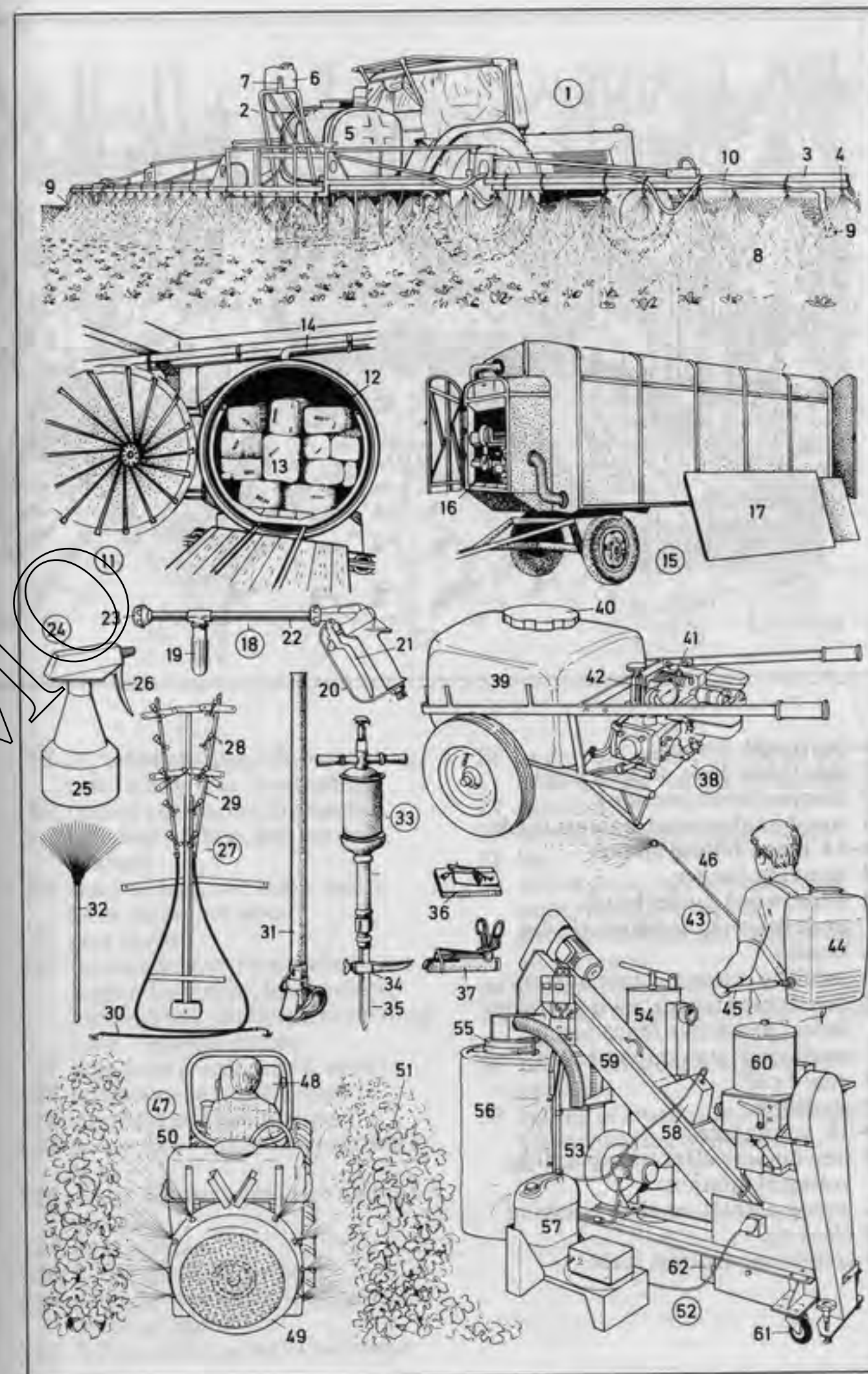
- 42 flea (human flea, common flea)
 43 tsetse fly
 44 malaria mosquito

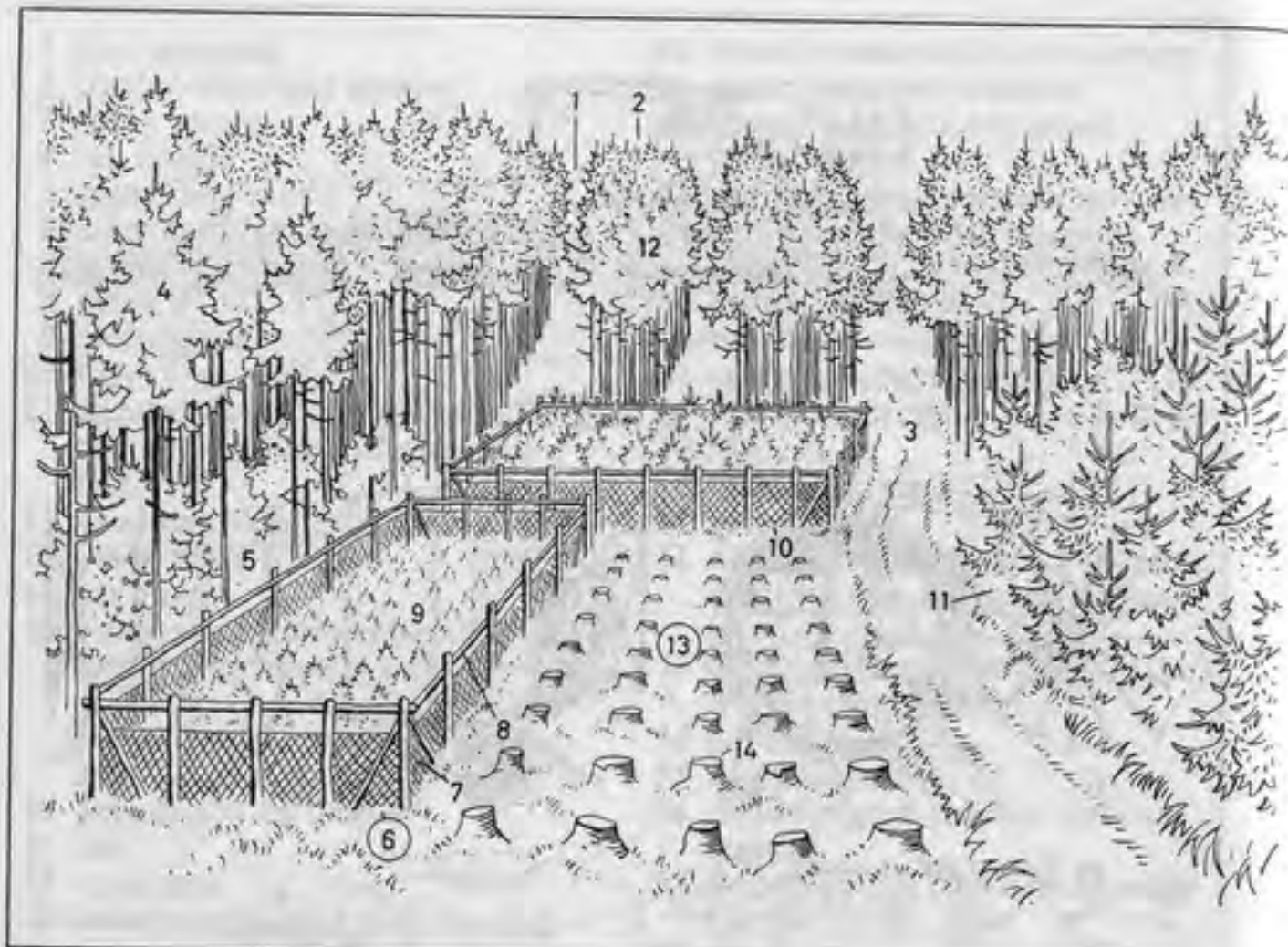


- 1 cockchafer (May bug), a lamellicorn
- 2 head
- 3 antenna (feeler)
- 4 thoracic shield (prothorax)
- 5 scutellum
- 6-8 legs
- 6 front leg
- 7 middle leg
- 8 back leg
- 9 abdomen
- 10 elytron (wing case)
- 11 membranous wing
- 12 cockchafer grub, a larva
- 13 chrysalis (pupa)
- 14 processionary moth, a nocturnal moth (night-flying moth)
- 15 moth
- 16 caterpillars in procession
- 17 nun moth (black arches moth)
- 18 moth
- 19 eggs
- 20 caterpillar
- 21 chrysalis (pupa) in its cocoon
- 22 typographer beetle, a bark beetle
- 23-24 galleries under the bark
- 23 egg gallery
- 24 gallery made by larva
- 25 larva (grub)
- 26 beetle
- 27 pine hawkmoth, a hawkmoth
- 28 pine moth, a geometrid
- 29 male moth
- 30 female moth
- 31 caterpillar
- 32 chrysalis (pupa)
- 33 oak-gall wasp, a gall wasp
- 34 oak gall (oak apple), a gall
- 35 wasp
- 36 larva (grub) in its chamber
- 37 beech gall
- 38 spruce-gall aphid
- 39 winged aphid
- 40 pineapple gall
- 41 pine weevil
- 42 beetle (weevil)
- 43 green oak roller moth (green oak tortrix), a leaf roller
- 44 caterpillar
- 45 moth
- 46 pine beauty
- 47 caterpillar
- 48 moth

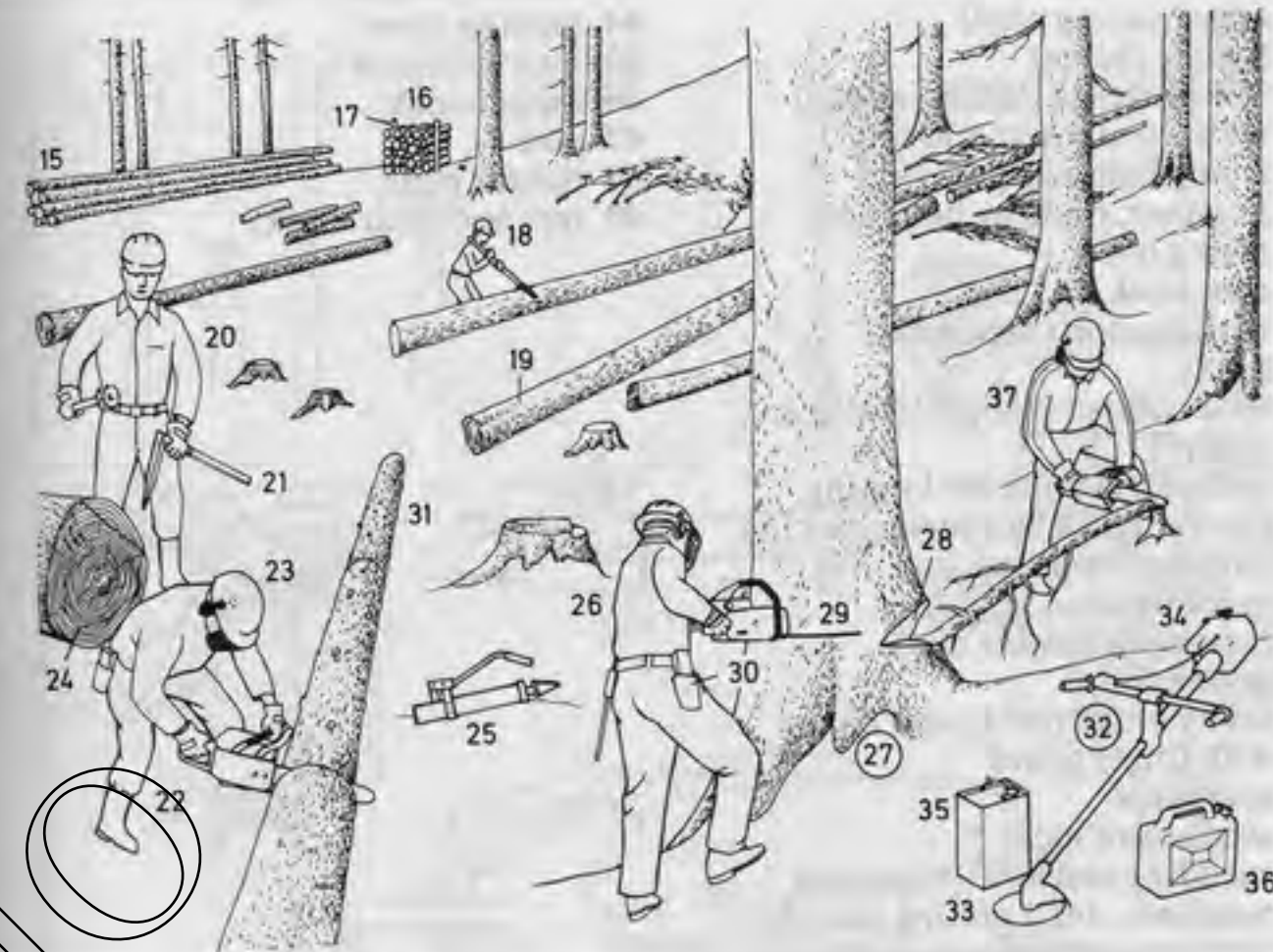


- 1 area spraying
- 2 tractor-mounted sprayer
- 3 spray boom
- 4 fan nozzle
- 5 spray fluid tank
- 6 foam canister for blob marking
- 7 spring suspension
- 8 spray
- 9 blob marker
- 10 foam feed pipe
- 11 vacuum fumigator (vacuum fumigation plant) of a tobacco factory
- 12 vacuum chamber
- 13 bales of raw tobacco
- 14 gas pipe
- 15 mobile fumigation chamber for fumigating nursery saplings, vine layers, seeds, and empty sacks with hydrocyanic (prussic) acid
- 16 gas circulation unit
- 17 tray
- 18 spray gun
- 19 twist grip (control grip, handle) for regulating the jet
- 20 finger guard
- 21 control lever (operating lever)
- 22 spray tube
- 23 cone nozzle
- 24 hand spray
- 25 plastic container
- 26 hand pump
- 27 pendulum spray for hop growing on slopes
- 28 pistol-type nozzle
- 29 spraying tube
- 30 hose connection
- 31 tube for laying poisoned bait
- 32 fly swat
- 33 soil injector (carbon disulphide, *Am.* carbon disulfide, injector) for killing the vine root louse
- 34 foot lever (foot pedal, foot treadle)
- 35 gas tube
- 36 mousetrap
- 37 vole and mole trap
- 38 mobile orchard sprayer, a wheelbarrow sprayer (carriage sprayer)
- 39 spray tank
- 40 screw-on cover
- 41 direct-connected motor-driven pump with petrol motor
- 42 pressure gauge (*Am.* gage) (manometer)
- 43 plunger-type knapsack sprayer
- 44 spray canister with pressure chamber
- 45 piston pump lever
- 46 hand lance with nozzle
- 47 semi-mounted sprayer
- 48 vineyard tractor
- 49 fan
- 50 spray fluid tank
- 51 row of vines
- 52 dressing machine (seed-dressing machine) for dry-seed dressing (seed dusting)
- 53 dedusting fan (dust removal fan) with electric motor
- 54 bag filter
- 55 bagging nozzle
- 56 dedusting screen (dust removal screen)
- 57 water canister [containing water for spraying]
- 58 spray unit
- 59 conveyor unit with mixing screw
- 60 container for disinfectant powder with dosing mechanism
- 61 castor
- 62 mixing chamber



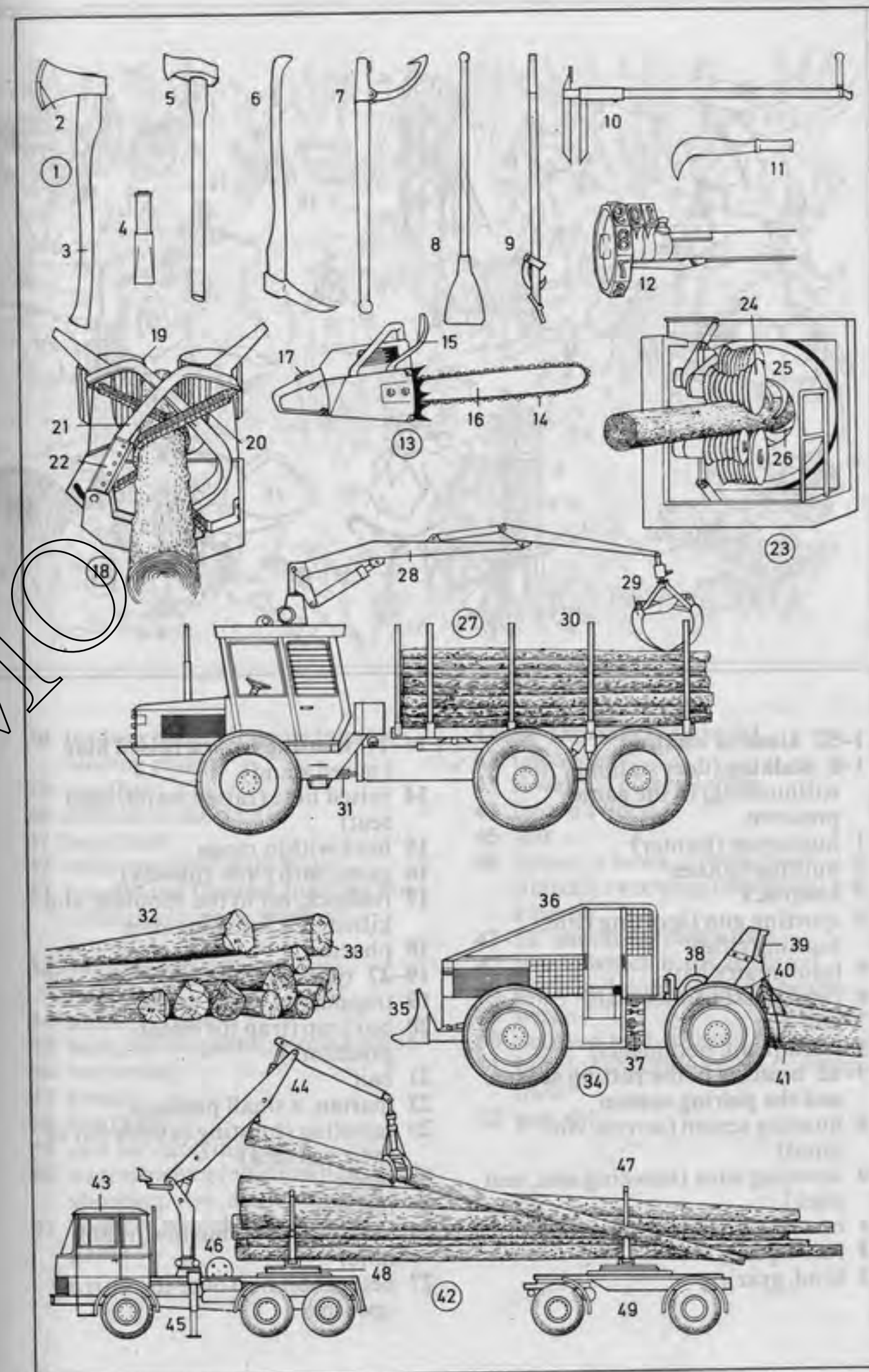


- 1-34 forest, a wood
 1 ride (aisle, lane, section line)
 2 compartment (section)
 3 wood haulage way, a forest track
 4-14 clear-felling system
 4 standing timber
 5 underwood (underbrush, undergrowth, brushwood, *Am.* brush)
 6 seedling nursery, a tree nursery
 7 deer fence (fence), a wire netting fence (protective fence for seedlings); *sim.*: rabbit fence
 8 guard rail
 9 seedlings
 10-11 young trees
 10 tree nursery after transplanting
 11 young plantation
 12 young plantation after brashing
 13 clearing
 14 tree stump (stump, stub)



- 15-37 wood cutting (timber cutting, tree felling, *Am.* lumbering)
 15 timber skidded to the stack (stacked timber, *Am.* yarded timber)
 16 stack of logs, one cubic metre (*Am.* meter) of wood
 17 post (stake)
 18 forest labourer (woodsman, *Am.* logger, lumberer, lumberjack, lumberman, timberjack) turning (*Am.* canting) timber
 19 bole (tree trunk, trunk, stem)
 20 feller numbering the logs
 21 steel tree calliper (caliper)
 22 power saw (motor saw) cutting a bole
 23 safety helmet with visor and ear pieces
 24 annual rings
 25 hydraulic felling wedge
 26 protective clothing [orange top, green trousers]
 27 felling with a power saw (motor saw)
 28 undercut (notch, throat, gullet, mouth, sink, kerf, birdsmouth)
 29 back cut
 30 sheath holding felling wedge
 31 log
 32 free-cutting saw for removing underwood and weeds
 33 circular saw (or activated blade) attachment
 34 power unit (motor)
 35 canister of viscous oil for the saw chain
 36 petrol canister (*Am.* gasoline canister)
 37 felling of small timber (of small-sized thinnings) (thinning)

- | | |
|--|---------------------------|
| 1 axe (<i>Am.</i> ax) | 43 tractor (tractor unit) |
| 2 edge (cutting edge) | 44 loading crane |
| 3 handle (helve) | 45 hydraulic jack |
| 4 felling wedge (falling wedge)
with wood insert and ring | 46 cable winch |
| 5 riving hammer (cleaving
hammer, splitting hammer) | 47 post |
| 6 lifting hook | 48 bolster plate |
| 7 cant hook | 49 rear bed (rear bunk) |
| 8 barking iron (bark spud) | |
| 9 peavy | |
| 10 slide calliper (caliper) (calliper
square) | |
| 11 billhook, a knife for lopping | |
| 12 revolving die hammer (marking
hammer, marking iron, <i>Am.</i>
marker) | |
| 13 power saw (motor saw) | |
| 14 saw chain | |
| 15 safety brake for the saw chain,
with finger guard | |
| 16 saw guide | |
| 17 accelerator lock | |
| 18 snedding machine (trimming
machine, <i>Am.</i> knotting machine,
limbing machine) | |
| 19 feed rolls | |
| 20 flexible blade | |
| 21 hydraulic arm | |
| 22 trimming blade | |
| 23 debarking (barking, bark
stripping) of boles | |
| 24 feed roller | |
| 25 cylinder trimmer | |
| 26 rotary cutter | |
| 27 short-haul skidder | |
| 28 loading crane | |
| 29 log grips | |
| 30 post | |
| 31 Ackermann steering system | |
| 32 log dump | |
| 33 number (identification number) | |
| 34 skidder | |
| 35 front blade (front plate) | |
| 36 crush-proof safety bonnet (<i>Am.</i>
safety hood) | |
| 37 Ackermann steering system | |
| 38 cable winch | |
| 39 cable drum | |
| 40 rear blade (rear plate) | |
| 41 boles with butt ends held off the
ground | |
| 42 haulage of timber by road | |



**1-52 kinds of hunting**

1-8 stalking (deer stalking, *Am.* stillhunting) in the game preserve

1 huntsman (hunter)

2 hunting clothes

3 knapsack

4 sporting gun (sporting rifle, hunting rifle)

5 huntsman's hat

6 field glasses, binoculars

7 gun dog

8 track (trail, hoofprints)

9-12 hunting in the rutting season and the pairing season

9 hunting screen (screen, *Am.* blind)

10 shooting stick (shooting seat, seat stick)

11 blackcock, displaying

12 rutting stag

13 hind, grazing

14-17 hunting from a raised hide (raised stand)

14 raised hide (raised stand, high seat)

15 herd within range

16 game path (*Am.* runway)

17 roebuck, hit in the shoulder and killed by a finishing shot

18 phaeton

19-27 types of trapping

19 trapping of small predators

20 box trap (trap for small predators)

21 bait

22 marten, a small predator

23 ferreting (hunting rabbits out of their warrens)

24 ferret

25 ferreter

26 burrow (rabbit burrow, rabbit hole)

27 net (rabbit net) over the burrow opening

28 feeding place for game (winter feeding place)

29 poacher

30 carbine, a short rifle

31 boar hunt

32 wild sow (sow, wild boar)

33 boarhound (hound, hunting dog; collectively: pack, pack of hounds)

34-39 beating (driving, hare hunting)

34 aiming position

35 hare, furred game, ground game

36 retrieving

37 beater

38 bag (kill)

39 cart for carrying game

40 waterfowling (wildfowling, duck shooting, *Am.* duck hunting)

41 flight of wild ducks, winged game

42-46 falconry (hawking)

42 falconer

43 reward, a piece of meat

44 falcon's hood

45 jess

46 falcon, a hawk, a male hawk (tiercel) swooping (stooping) on a heron

47-52 shooting from a butt

47 tree to which birds are lured

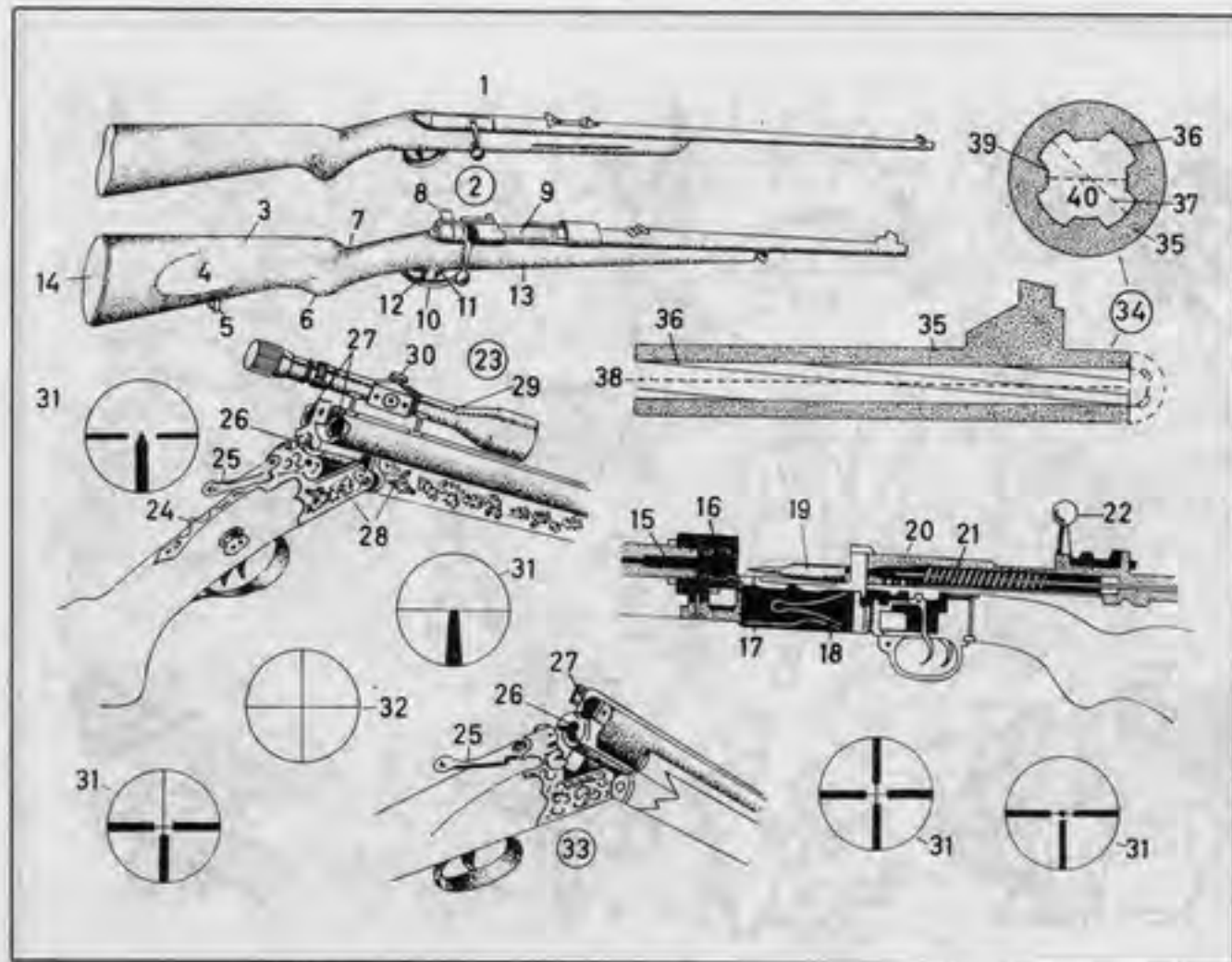
48 eagle owl, a decoy bird (decoy)

49 perch

50 decoyed bird, a crow

51 butt for shooting crows or eagle owls

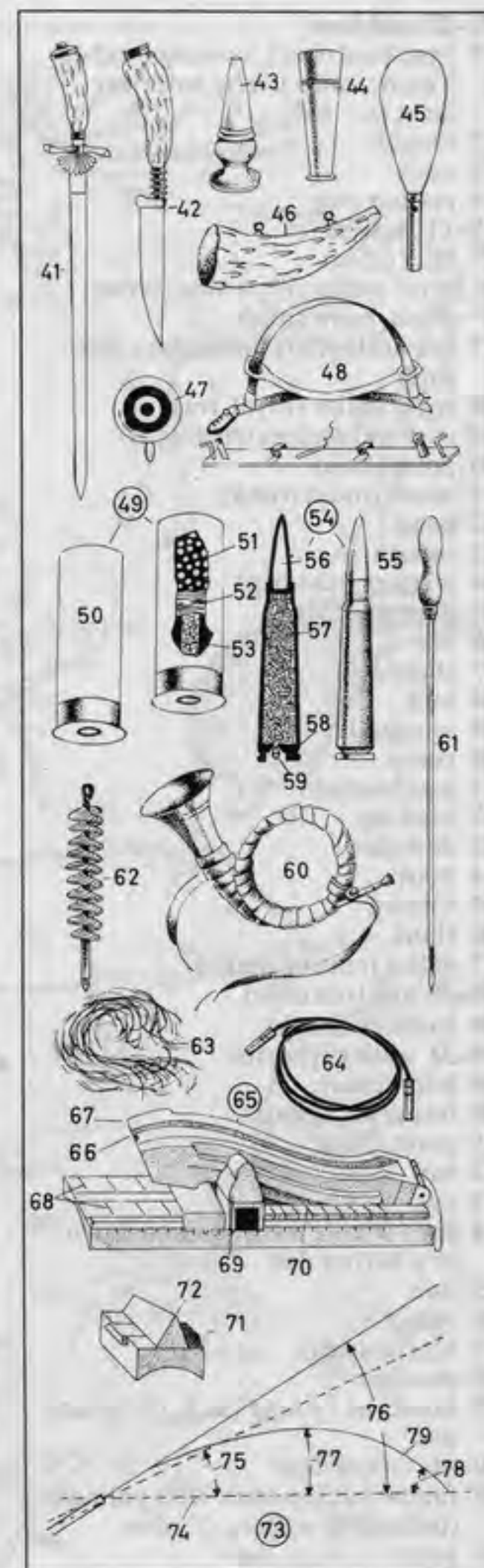
52 gun slit

**1-40 sporting guns** (sporting rifles, hunting rifles)

- | | |
|---|---|
| 1 single-loader (single-loading rifle) | 21 firing pin (striker) |
| 2 repeating rifle, a small-arm (fire-arm), a repeater (magazine rifle, magazine repeater) | 22 bolt handle (bolt lever) |
| 3, 4, 6, 13 stock | 23 triple-barrelled (triple-barreled) rifle, a self-cocking gun |
| 3 butt | 24 reversing catch (<i>in various guns</i> : safety catch) |
| 4 cheek [on the left side] | 25 sliding safety catch |
| 5 sling ring | 26 rifle barrel (rifled barrel) |
| 6 pistol grip | 27 smooth-bore barrel |
| 7 small of the butt | 28 chasing |
| 8 safety catch | 29 telescopic sight (riflescope, telescope sight) |
| 9 lock | 30 graticule adjuster screws |
| 10 trigger guard | 31-32 graticule (sight graticule) |
| 11 second set trigger (firing trigger) | 31 various graticule systems |
| 12 hair trigger (set trigger) | 32 cross wires (<i>Am.</i> cross hairs) |
| 13 foregrip | 33 over-and-under shotgun |
| 14 butt plate | 34 rifled gun barrel |
| 15 cartridge chamber | 35 barrel casing |
| 16 receiver | 36 rifling |
| 17 magazine | 37 rifling calibre (<i>Am.</i> caliber) |
| 18 magazine spring | 38 bore axis |
| 19 ammunition (cartridge) | 39 land |
| 20 chamber | 40 calibre (bore diameter, <i>Am.</i> caliber) |

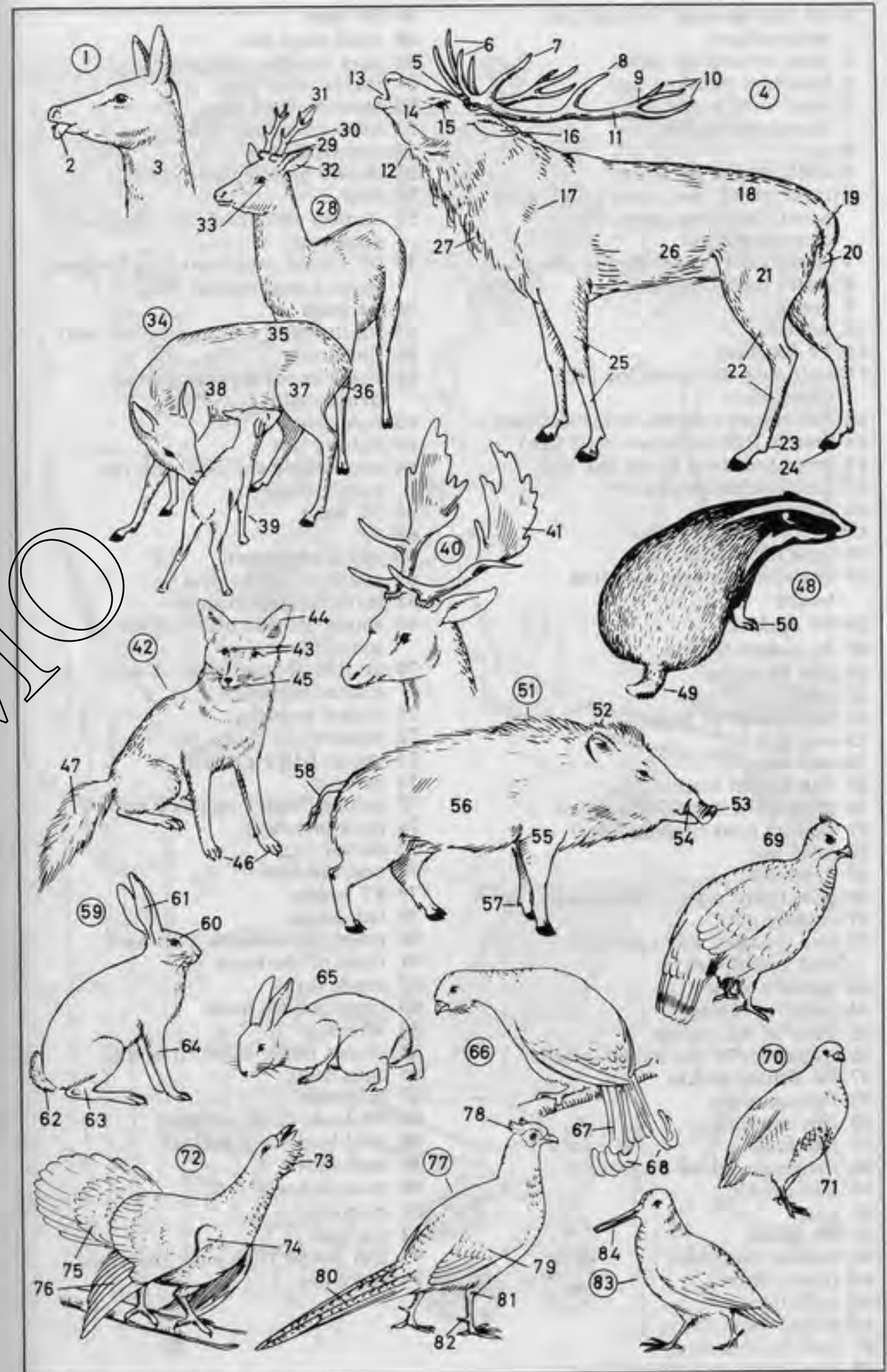
41-48 hunting equipment

- | |
|---|
| 41 double-edged hunting knife |
| 42 [single-edged] hunting knife |
| 43-47 calls for luring game (for calling game) |
| 43 roe call |
| 44 hare call |
| 45 quail call |
| 46 stag call |
| 47 partridge call |
| 48 bow trap (bow gin), a jaw trap |
| 49 small-shot cartridge |
| 50 cardboard case |
| 51 small-shot charge |
| 52 felt wad |
| 53 smokeless powder (<i>different kind</i> : black powder) |
| 54 cartridge |
| 55 full-jacketed cartridge |
| 56 soft-lead core |
| 57 powder charge |
| 58 detonator cap |
| 59 percussion cap |
| 60 hunting horn |
| 61-64 rifle cleaning kit |
| 61 cleaning rod |
| 62 cleaning brush |
| 63 cleaning tow |
| 64 pull-through (<i>Am.</i> pull-thru) |
| 65 sights |
| 66 notch (sighting notch) |
| 67 back sight leaf |
| 68 sight scale division |
| 69 back sight slide |
| 70 notch [to hold the spring] |
| 71 front sight (foresight) |
| 72 bead |
| 73 ballistics |
| 74 azimuth |
| 75 angle of departure |
| 76 angle of elevation |
| 77 apex (zenith) |
| 78 angle of descent |
| 79 ballistic curve |



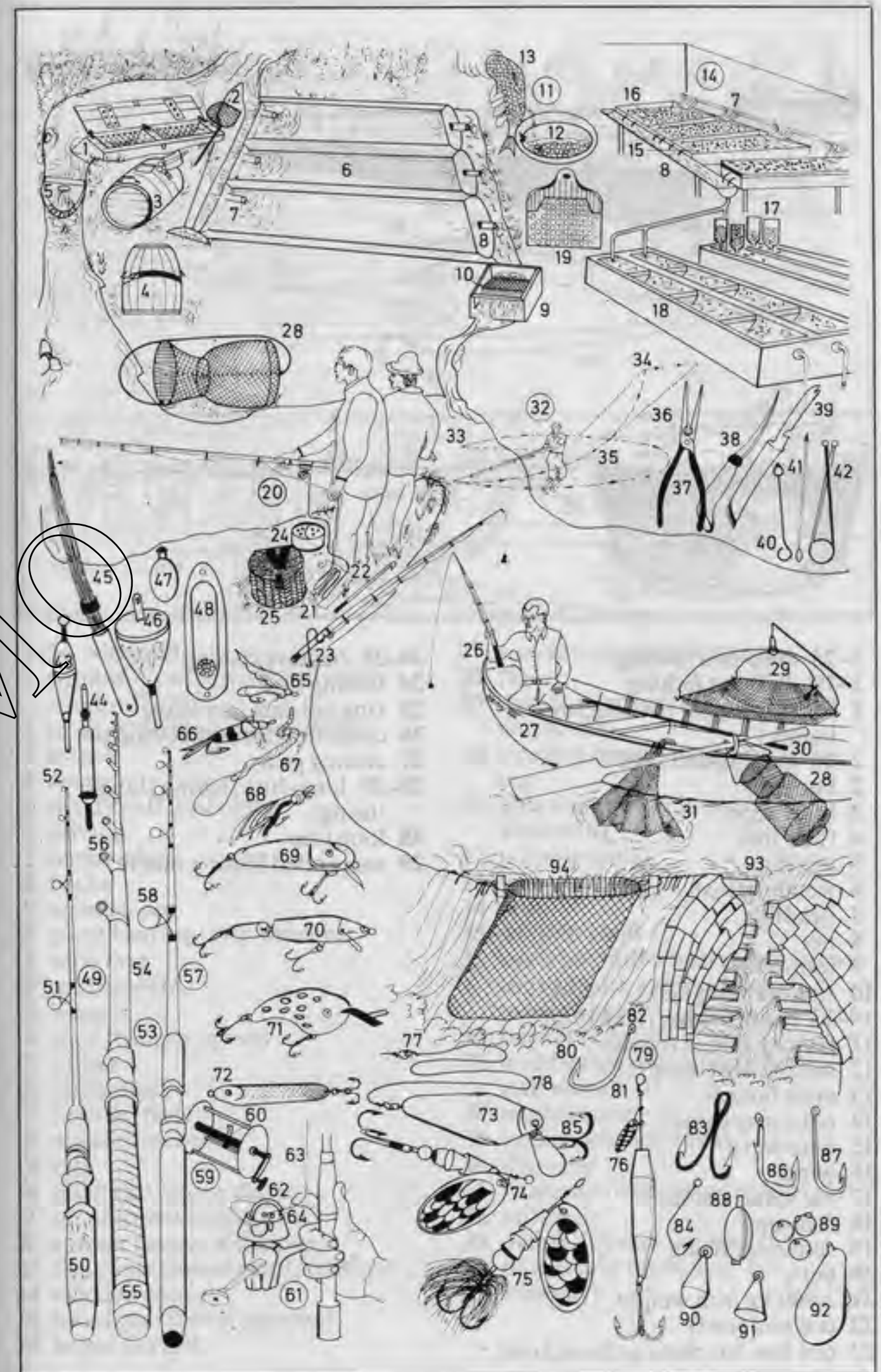
- 1-27 red deer
 1 hind (red deer), a young hind or a dam; *collectively*: anterless deer, (*y.*) calf
 2 tongue
 3 neck
 4 rutting stag
 5-11 antlers
 5 burr (rose)
 6 brow antler (brow tine, brow point, brow snag)
 7 bez antler (bay antler, bay, bez tine)
 8 royal antler (royal, tray)
 9 surroyal antlers (surroyals)
 10 point (tine)
 11 beam (main trunk)
 12 head
 13 mouth
 14 larmier (tear bag)
 15 eye
 16 ear
 17 shoulder
 18 loin
 19 scut (tail)
 20 rump
 21 leg (haunch)
 22 hind leg
 23 dew claw
 24 hoof
 25 foreleg
 26 flank
 27 collar (rutting mane)
 28-39 roe (roe deer)
 28 roebuck (buck)
 29-31 antlers (horns)
 29 burr (rose)
 30 beam with pearls
 31 point (tine)
 32 ear
 33 eye
 34 doe (female roe), a female fawn or a barren doe
 35 loin
 36 rump
 37 leg (haunch)
 38 shoulder
 39 fawn, (*m.*) young buck, (*f.*) young doe
 40-41 fallow deer
 40 fallow buck, a buck with palmate (palmated) antlers, (*f.*) doe
 41 palm

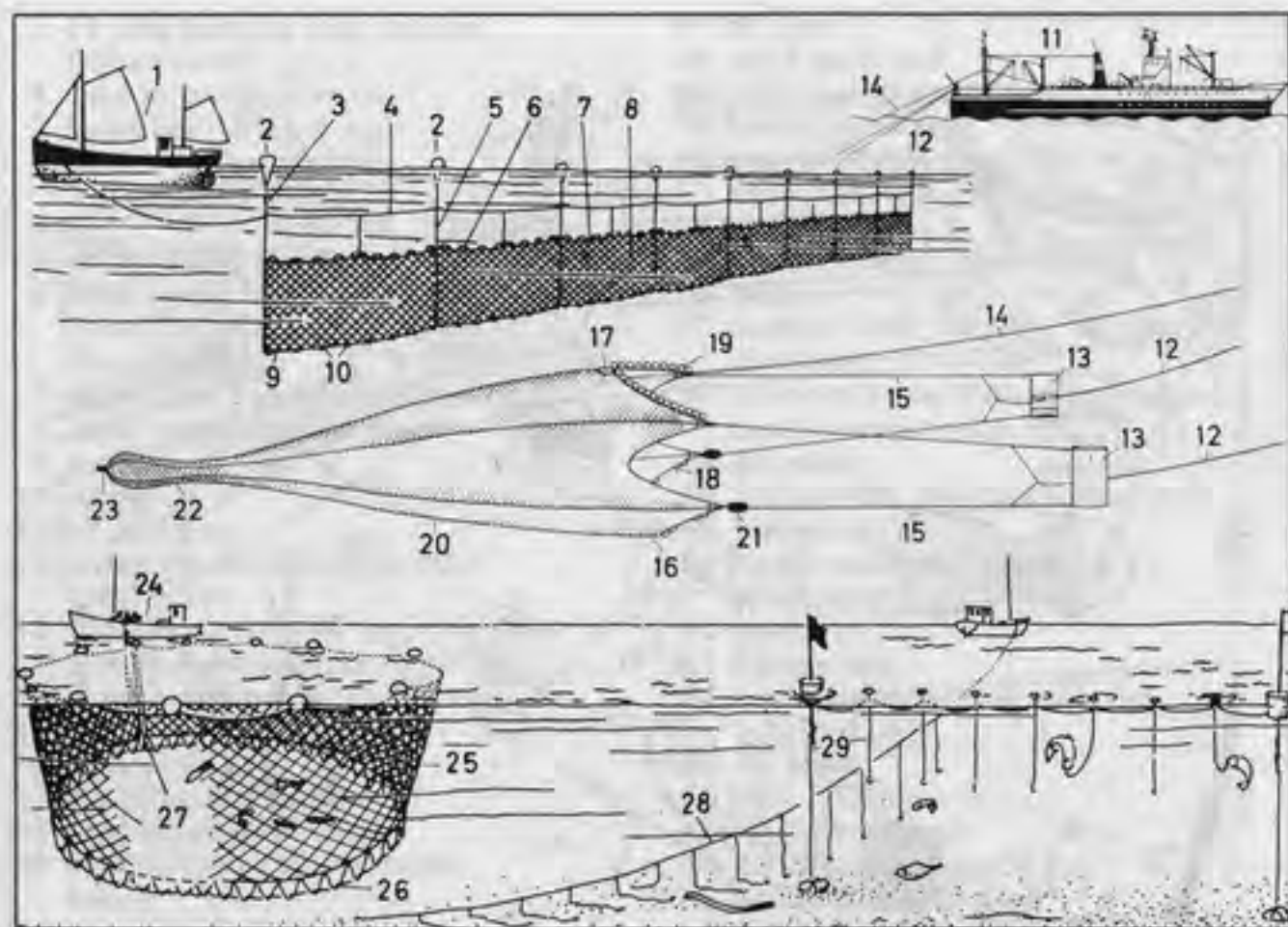
- 42 red fox, (*m.*) dog, (*f.*) vixen, (*y.*) cub
 43 eyes
 44 ear
 45 muzzle (mouth)
 46 pads (paws)
 47 brush (tail)
 48 badger, (*f.*) sow
 49 tail
 50 paws
 51 wild boar, (*m.*) boar, (*f.*) wild sow (sow), (*y.*) young boar
 52 bristles
 53 snout
 54 tusk
 55 shield
 56 hide
 57 dew claw
 58 tail
 59 hare, (*m.*) buck, (*f.*) doe
 60 eye
 61 ear
 62 scut (tail)
 63 hind leg
 64 foreleg
 65 rabbit
 66 blackcock
 67 tail
 68 falcate (falcated) feathers
 69 hazel grouse (hazel hen)
 70 partridge
 71 horseshoe (horseshoe marking)
 72 wood grouse (capercaillie)
 73 beard
 74 axillary marking
 75 tail (fan)
 76 wing (pinion)
 77 common pheasant, a pheasant, (*m.*) cock pheasant (pheasant cock), (*f.*) hen pheasant (pheasant hen)
 78 plumicorn (feathered ear, ear tuft, ear, horn)
 79 wing
 80 tail
 81 leg
 82 spur
 83 snipe
 84 bill (beak)



- 1-19 fish farming (fish culture, pisciculture)
- 1 cage in running water
- 2 hand net (landing net)
- 3 semi-oval barrel for transporting fish
- 4 vat
- 5 trellis in the overflow
- 6 trout pond; *sim.*: carp pond, a fry pond, fattening pond, or cleansing pond
- 7 water inlet (water supply pipe)
- 8 water outlet (outlet pipe)
- 9 monk
- 10 screen
- 11-19 hatchery
- 11 stripping the spawning pike (seed pike)
- 12 fish spawn (spawn, roe, fish eggs)
- 13 female fish (spawner, seed fish)
- 14 trout breeding (trout rearing)
- 15 Californian incubator
- 16 trout fry
- 17 hatching jar for pike
- 18 long incubation tank
- 19 Brandstetter egg-counting board
- 20-94 angling
- 20-31 coarse fishing
- 20 line shooting
- 21 coils
- 22 cloth (rag) or paper
- 23 rod rest
- 24 bait tin
- 25 fish basket (creel)
- 26 fishing for carp from a boat
- 27 rowing boat (fishing boat)
- 28 keep net
- 29 drop net
- 30 pole (punt pole, quant pole)
- 31 casting net
- 32 two-handed side cast with fixed-spool reel
- 33 initial position
- 34 point of release
- 35 path of the rod tip
- 36 trajectory of the baited weight
- 37-94 fishing tackle
- 37 fishing pliers
- 38 filleting knife
- 39 fish knife
- 40 disgorging (hook disgorging)
- 41 bait needle
- 42 gag
- 43-48 floats
- 43 sliding cork float
- 44 plastic float
- 45 quill float
- 46 polystyrene float
- 47 oval bubble float
- 48 lead-weighted sliding float

- 49-58 rods
- 49 solid glass rod
- 50 cork handle (cork butt)
- 51 spring-steel ring
- 52 top ring (end ring)
- 53 telescopic rod
- 54 rod section
- 55 bound handle (bound butt)
- 56 ring
- 57 carbon-fibre rod; *sim.*: hollow glass rod
- 58 all-round ring (butt ring for long cast), a steel bridge ring
- 59-64 reels
- 59 multiplying reel (multiplier reel)
- 60 line guide
- 61 fixed-spool reel (stationary-drum reel)
- 62 bale arm
- 63 fishing line
- 64 controlling the cast with the index finger
- 65-76 baits
- 65 fly
- 66 artificial nymph
- 67 artificial earthworm
- 68 artificial grasshopper
- 69 single-jointed plug (single-jointed wobbler)
- 70 double-jointed plug (double-jointed wobbler)
- 71 round wobbler
- 72 wiggler
- 73 spoon bait (spoon)
- 74 spinner
- 75 spinner with concealed hook
- 76 long spinner
- 77 swivel
- 78 cast (leader)
- 79-87 hooks
- 79 fish hook
- 80 point of the hook with barb
- 81 bend of the hook
- 82 spade (eye)
- 83 open double hook
- 84 limerick
- 85 closed treble hook (triangle)
- 86 carp hook
- 87 eel hook
- 88-92 leads (lead weights)
- 88 oval lead (oval sinker)
- 89 lead shot
- 90 pear-shaped lead
- 81 plummet
- 92 sea lead
- 93 fish ladder (fish pass, fish way)
- 94 stake net



**1-23 deep-sea fishing****1-10 drift net fishing**

1 herring lugger (fishing lugger, lugger)

2-10 herring drift net

2 buoy
3 buoy rope
4 float line
5 seizing
6 wooden float
7 headline
8 net
9 footrope

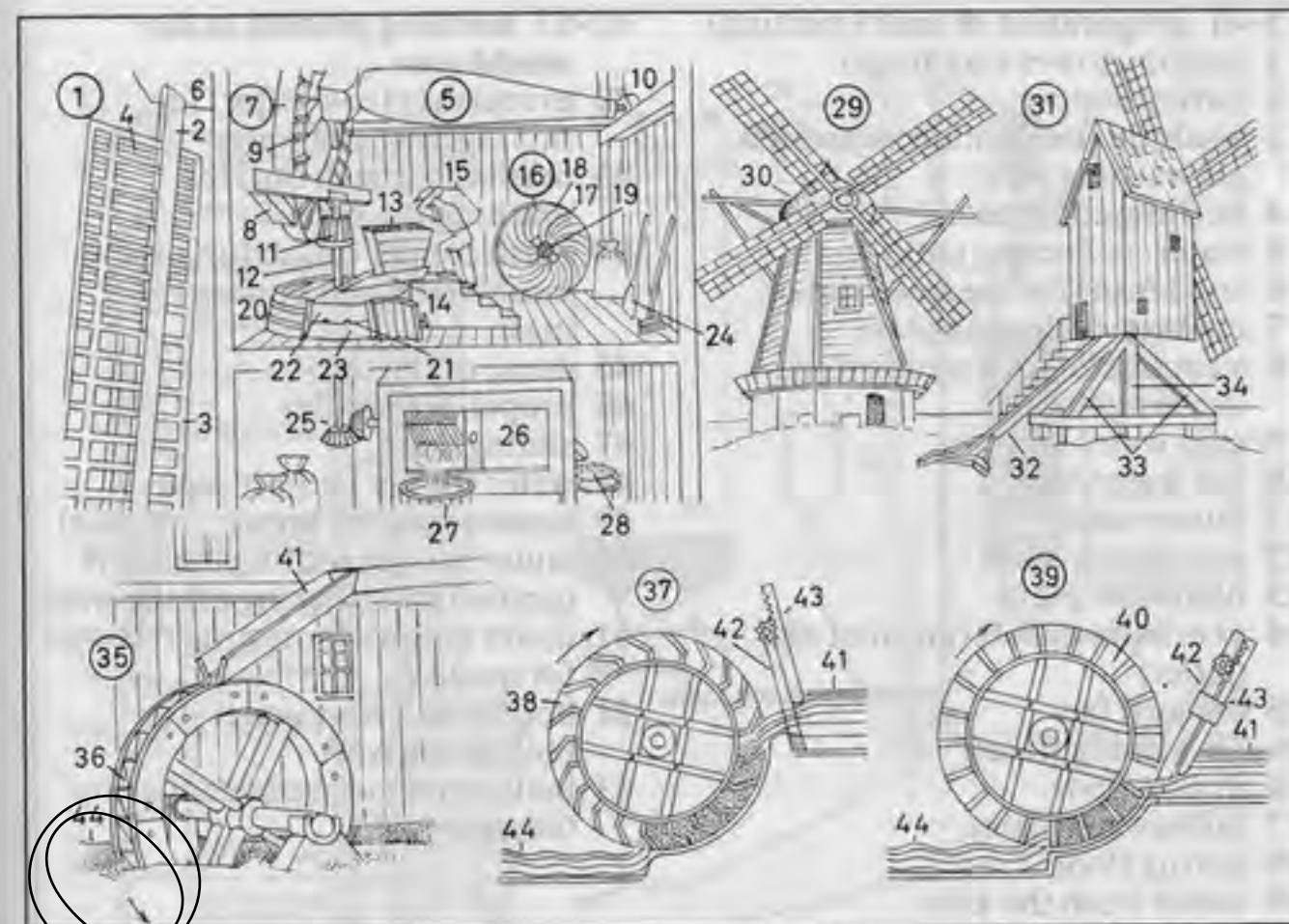
10 sinkers (weights)

11-23 trawl fishing (trawling)

11 factory ship, a trawler
12 warp (trawl warp)
13 otter boards
14 net sonar cable
15 wire warp
16 wing
17 net sonar device
18 footrope
19 spherical floats
20 belly
21 1,800 kg iron weight
22 cod end (cod)
23 cod line for closing the cod end

24-29 inshore fishing

24 fishing boat
25 ring net cast in a circle
26 cable for closing the ring net
27 closing gear
28-29 long-line fishing (long-lining)
28 long line
29 suspended fishing tackle

**1-34 windmill**

1 windmill vane (windmill sail, windmill arm)
2 stock (middling, back, radius)
3 frame
4 shutter
5 wind shaft (sail axle)
6 sail top
7 brake wheel
8 brake
9 wooden cog
10 pivot bearing (step bearing)
11 wallower
12 mill spindle
13 hopper
14 shoe (trough, spout)
15 miller
16 millstone
17 furrow (flute)
18 master furrow
19 eye
20 hurst (millstone casing)
21 set of stones (millstones)
22 runner (upper millstone)
23 bed stone (lower stone, bedder)
24 wooden shovel
25 bevel gear (bevel gearing)
26 bolter (sifter)

27 wooden tub (wooden tun)

28 flour

29 smock windmill (Dutch windmill)

30 rotating (revolving) windmill cap

31 post windmill (German windmill)

32 tailpole (pole)

33 base

34 post

35-44 watermill

35 overshot mill wheel (high-breast mill wheel), a mill wheel (waterwheel)

36 bucket (cavity)

37 middleshot mill wheel (breast mill wheel)

38 curved vane

39 undershot mill wheel

40 flat vane

41 headrace (discharge flume)

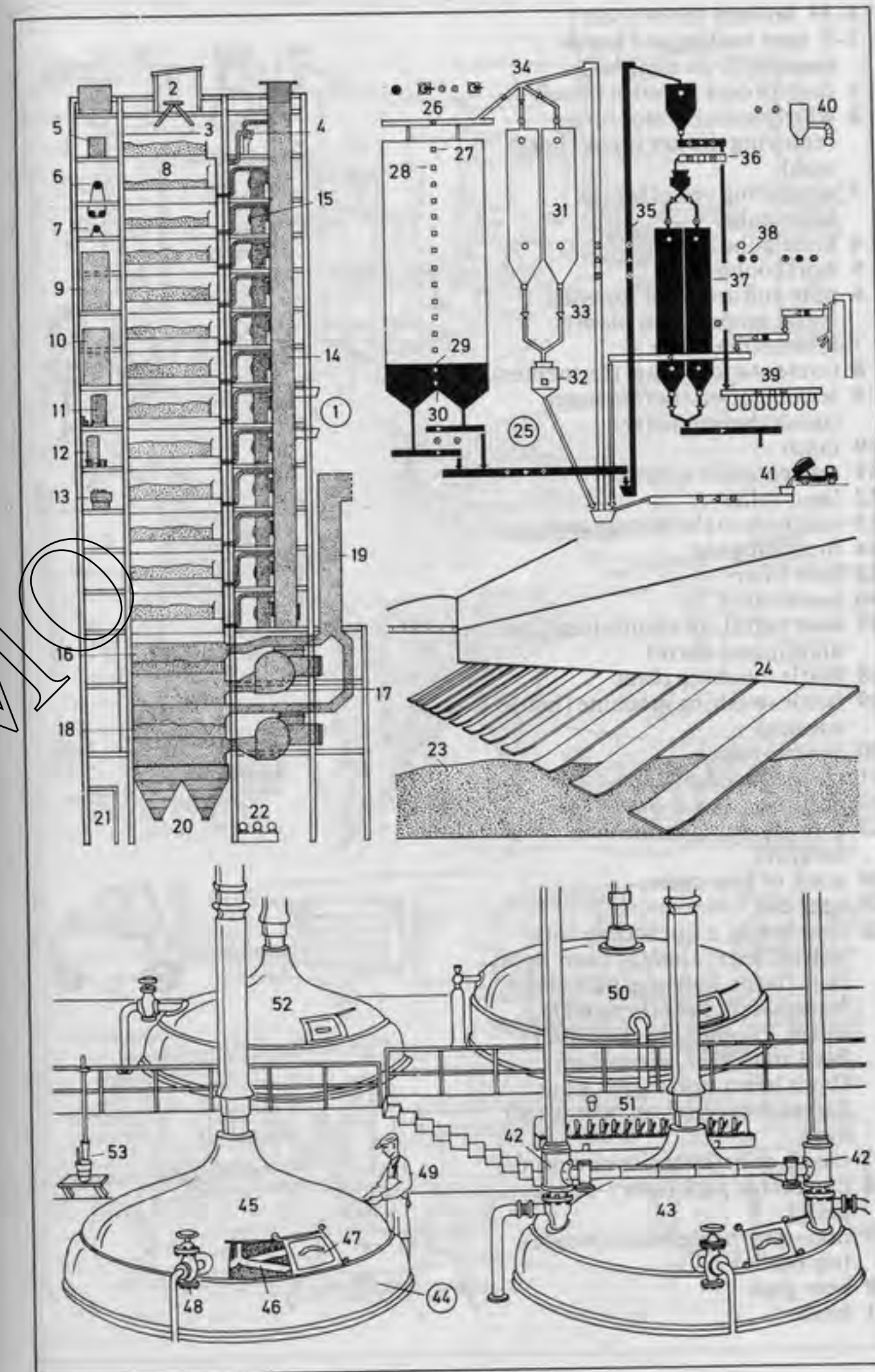
42 mill weir

43 overfall (water overfall)

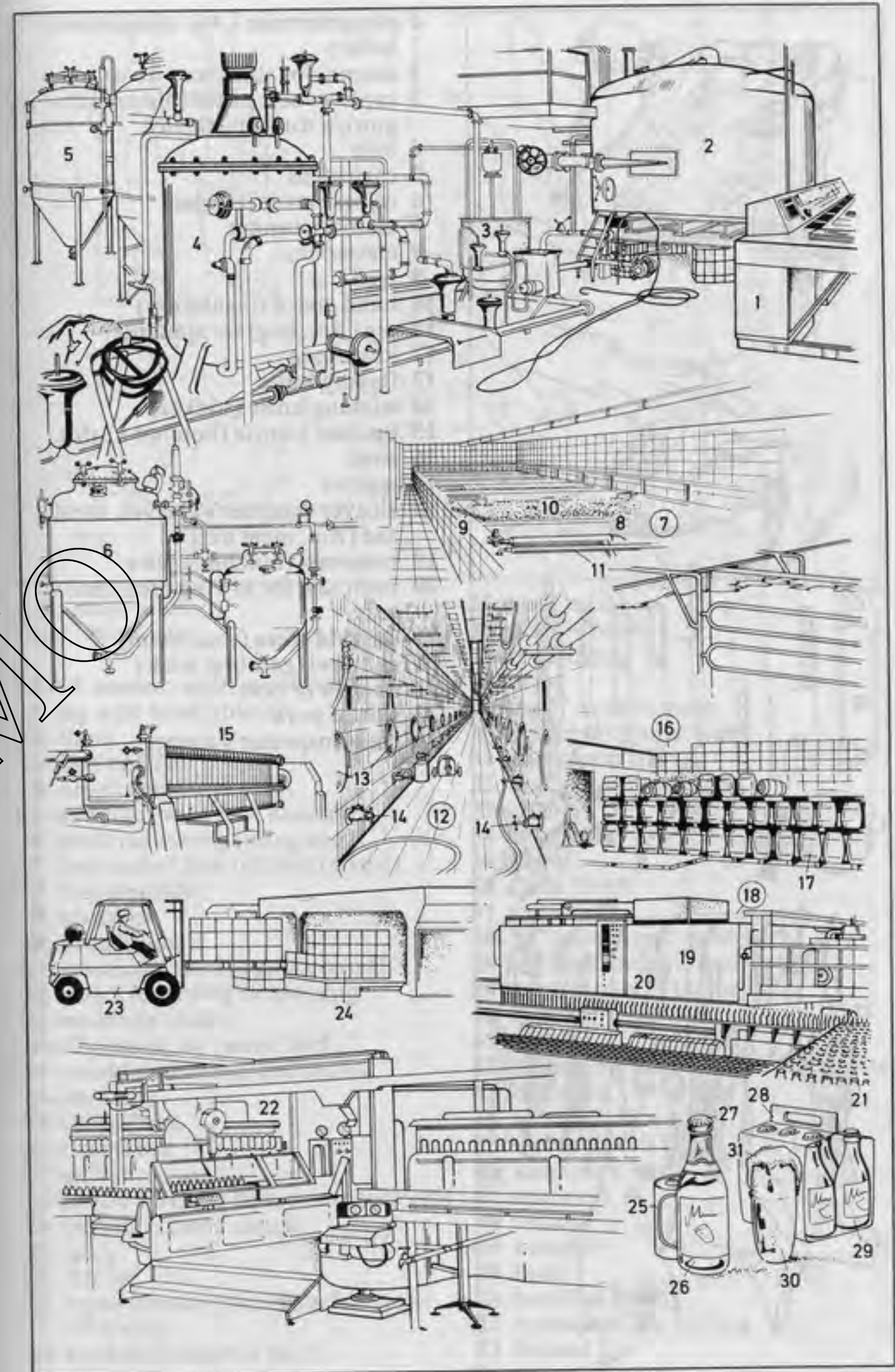
44 millstream (millrace, *Am.* raceway)

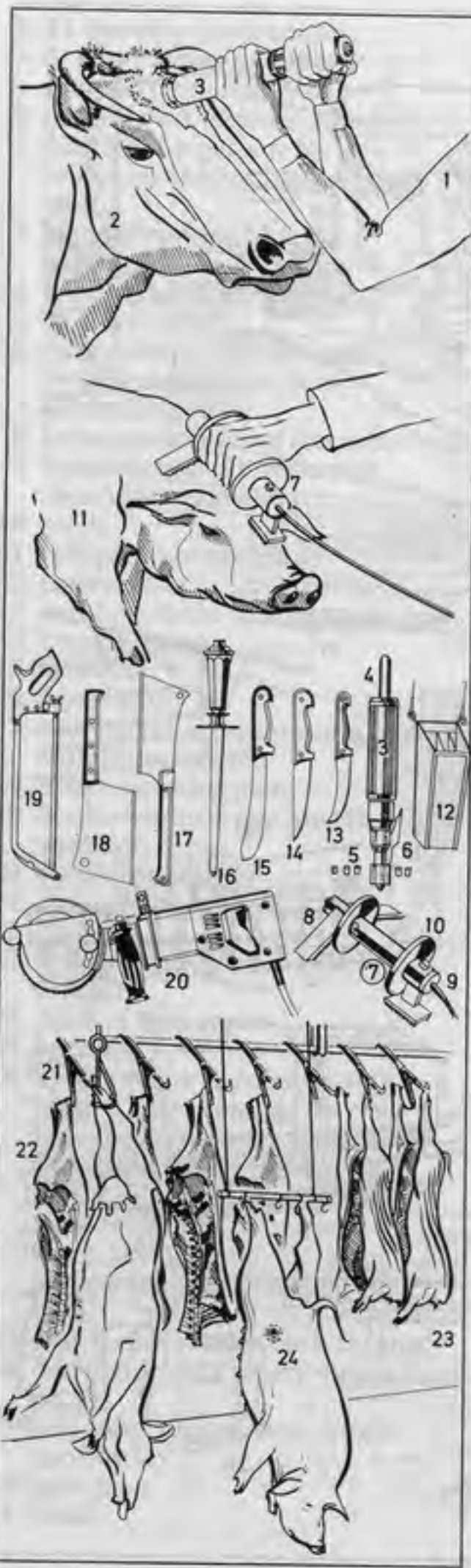
- 1-41 preparation of malt (malting)**
- 1 malting tower (maltings)
 - 2 barley hopper
 - 3 washing floor with compressed-air washing unit
 - 4 outflow condenser
 - 5 water-collecting tank
 - 6 condenser for the steep liquor
 - 7 coolant-collecting plant
 - 8 steeping floor (steeping tank, dressing floor)
 - 9 cold water tank
 - 10 hot water tank
 - 11 pump room
 - 12 pneumatic plant
 - 13 hydraulic plant
 - 14 ventilation shaft (air inlet and outlet)
 - 15 exhaust fan
 - 16-18 kilning floors**
 - 16 drying floor
 - 17 burner ventilator
 - 18 curing floor
 - 19 outlet from the kiln
 - 20 finished malt collecting hopper
 - 21 transformer station
 - 22 cooling compressors
 - 23 green malt (germinated barley)
 - 24 turner (plough)
 - 25 central control room with flow diagram
 - 26 screw conveyor
 - 27 washing floor
 - 28 steeping floor
 - 29 drying kiln
 - 30 curing kiln
 - 31 barley silo
 - 32 weighing apparatus
 - 33 barley elevator
 - 34 three-way chute (three-way tippler)
 - 35 malt elevator
 - 36 cleaning machine
 - 37 malt silo
 - 38 corn removal by suction
 - 39 sacker
 - 40 dust extractor
 - 41 barley reception

- 42-53 mashing process in the mashhouse**
- 42 premasher (converter) for mixing grist and water
 - 43 mash tub (mash tun) for mashing the malt
 - 44 mash copper (mash tun, Am. mash kettle) for boiling the mash
 - 45 dome of the tun
 - 46 propeller (paddle)
 - 47 sliding door
 - 48 water (liquor) supply pipe
 - 49 brewer (master brewer, masher)
 - 50 lauter tun for settling the draff (grains) and filtering off the wort for quality
 - 51 lauter battery for testing the wort for quality
 - 52 hop boiler (wort boiler) for boiling the wort
 - 53 ladle-type thermometer (scoop thermometer)

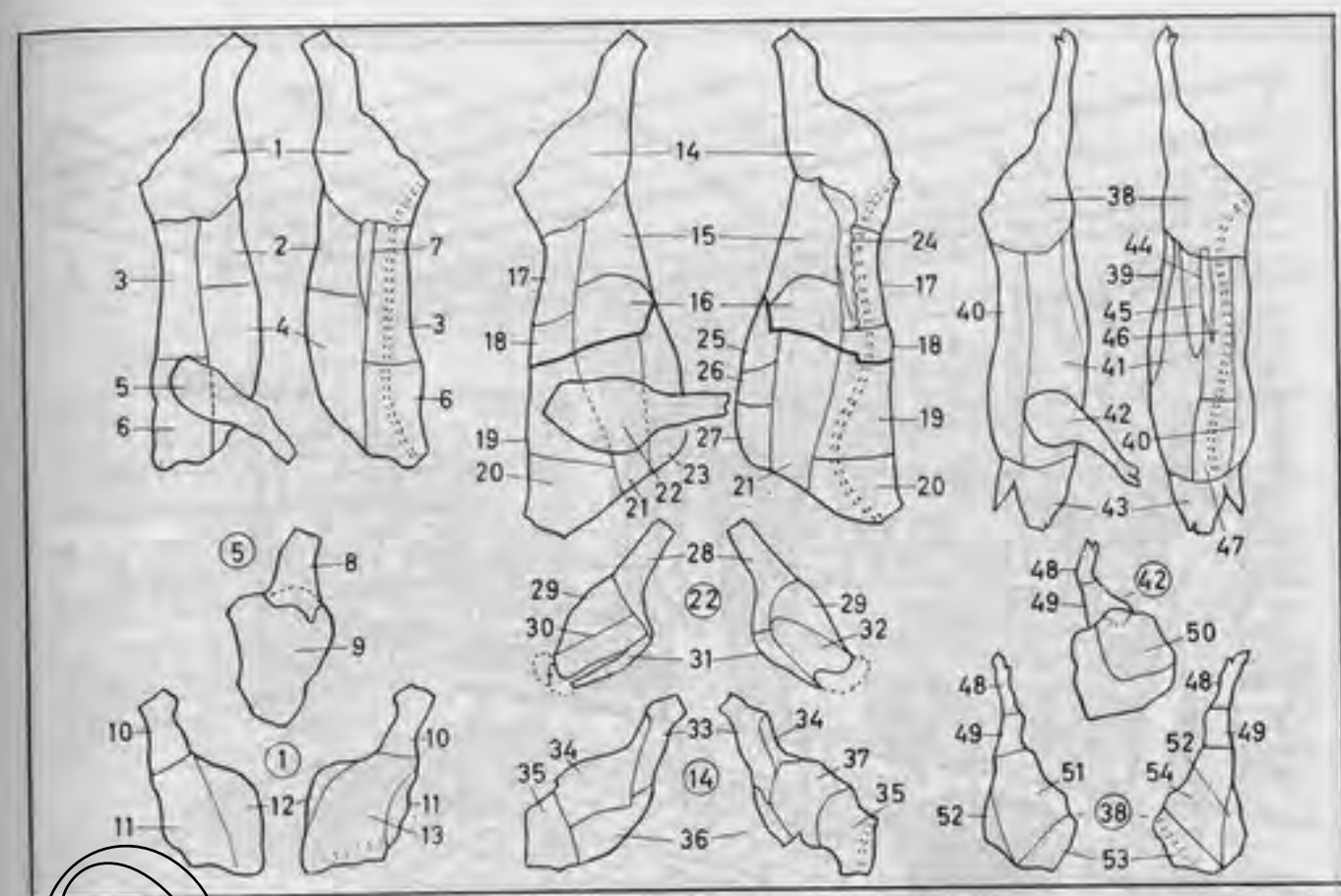


- 1-31 brewery (brewhouse)
- 1-5 wort cooling and break removal (trub removal)
- 1 control desk (control panel)
- 2 whirlpool separator for removing the hot break (hot trub)
- 3 measuring vessel for the kieselguhr
- 4 kieselguhr filter
- 5 wort cooler
- 6 pure culture plant for yeast (yeast propagation plant)
- 7 fermenting cellar
- 8 fermentation vessel (fermenter)
- 9 fermentation thermometer (mash thermometer)
- 10 mash
- 11 refrigeration system
- 12 lager cellar
- 13 manhole to the storage tank
- 14 broaching tap
- 15 beer filter
- 16 barrel store
- 17 beer barrel, an aluminium (*Am.* aluminum) barrel
- 18 bottle-washing plant
- 19 bottle-washing machine (bottle washer)
- 20 control panel
- 21 cleaned bottles
- 22 bottling
- 23 forklift truck (fork truck, forklift)
- 24 stack of beer crates
- 25 beer can
- 26 beer bottle, a Eurobottle with bottled beer; *kinds of beer*: light beer (lager, light ale, pale ale or bitter), dark beer (brown ale, mild), Pilsener beer, Munich beer, malt beer, strong beer (bock beer), porter, ale, stout, Salvator beer, wheat beer, small beer
- 27 crown cork (crown cork closure)
- 28 disposable pack (carry-home pack)
- 29 non-returnable bottle (single-trip bottle)
- 30 beer glass
- 31 head





- 1 slaughterman (*Am.* slaughterer, killer)
- 2 animal for slaughter, an ox
- 3 captive-bolt pistol (pneumatic gun), a stunning device
- 4 bolt
- 5 cartridges
- 6 release lever (trigger)
- 7 electric stunner
- 8 electrode
- 9 lead
- 10 hand guard (insulation)
- 11 pig (*Am.* hog) for slaughter
- 12 knife case
- 13 flaying knife
- 14 sticking knife (sticker)
- 15 butcher's knife (butcher knife)
- 16 steel
- 17 splitter
- 18 cleaver (butcher's cleaver, meat axe (*Am.* meat ax))
- 19 bone saw (butcher's saw)
- 20 meat saw for sawing meat into cuts
- 21-24 cold store (cold room)
- 21 gambrel (gambrel stick)
- 22 quarter of beef
- 23 side of pork
- 24 meat inspector's stamp



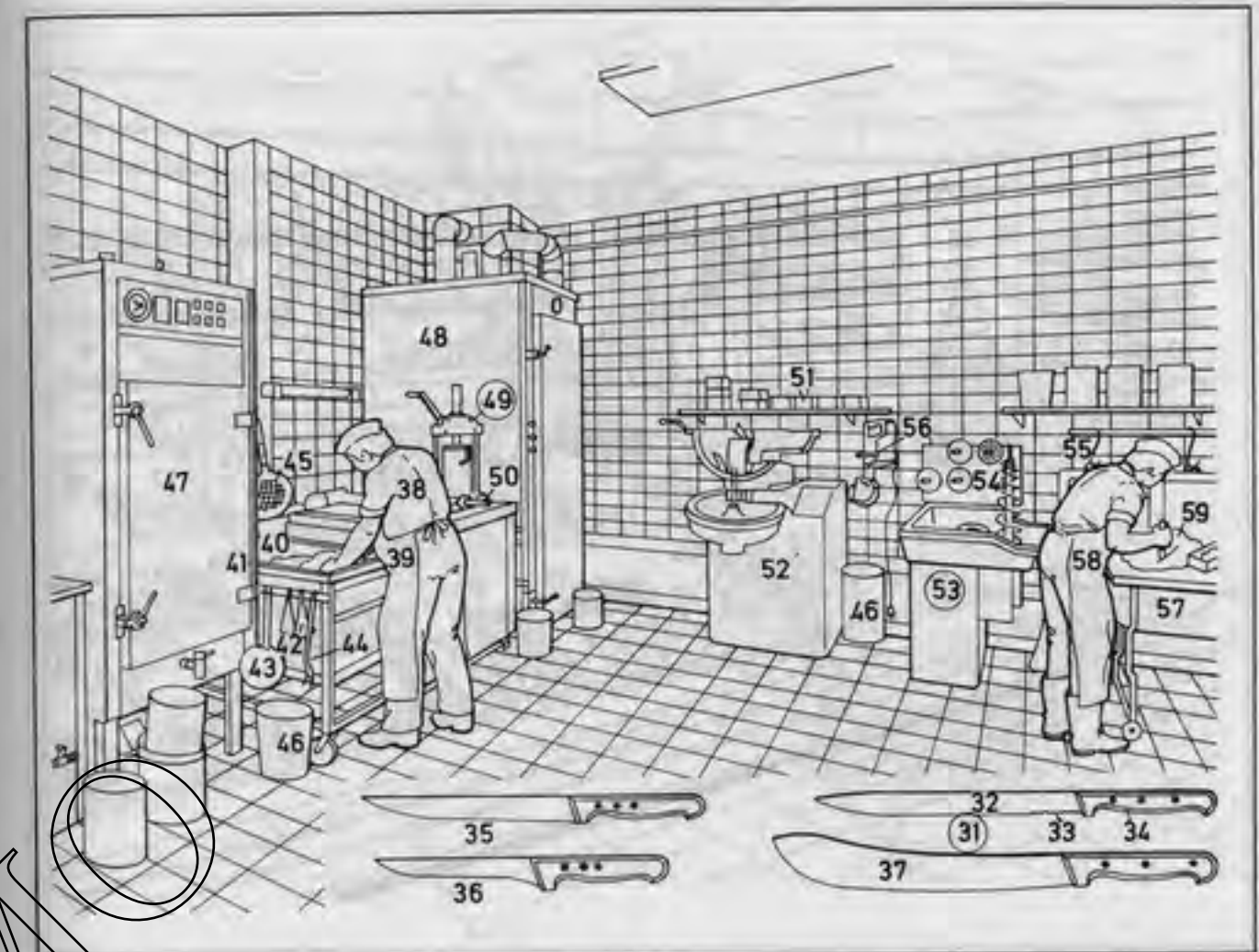
left: meat side;
right: bone side

- 1-13 animal: calf; meat: veal
- 1 leg with hind knuckle
- 2 flank
- 3 loin and rib
- 4 breast (breast of veal)
- 5 shoulder with fore knuckle
- 6 neck with scrag (scrag end)
- 7 best end of loin (of loin of veal)
- 8 fore knuckle
- 9 shoulder
- 10 hind knuckle
- 11 roasting round (oyster round)
- 12 cutlet for frying or braising
- 13 undercut (fillet)
- 14-37 animal: ox; meat: beef
- 14 round with rump and shank
- 15-16 flank
- 15 thick flank
- 16 thin flank
- 17 sirloin
- 18 prime rib (fore ribs, prime fore rib)
- 19 middle rib and chuck
- 20 neck
- 21 flat rib
- 22 leg of mutton piece (bladebone) with shin
- 23 brisket (brisket of beef)
- 24 fillet (fillet of beef)
- 25 hind brisket
- 26 middle brisket
- 27 breastbone
- 28 shin
- 29 leg of mutton piece
- 30 bladebone [meat side]
- 31 part of top rib
- 32 bladebone [bone side]
- 33 shank
- 34 silverside
- 35 rump
- 36 thick flank
- 37 top side
- 38-54 animal: pig; meat: pork
- 38 leg with knuckle and trotter
- 39 ventral part of the belly
- 40 back fat
- 41 belly
- 42 bladebone with knuckle and trotter
- 43 head (pig's head)
- 44 fillet (fillet of pork)
- 45 leaf fat (pork flare)
- 46 loin (pork loin)
- 47 spare rib
- 48 trotter
- 49 knuckle
- 50 butt
- 51 fore end (ham)
- 52 round end for boiling
- 53 fat end
- 54 gammon steak

**1-30 butcher's shop****1-4 meat**

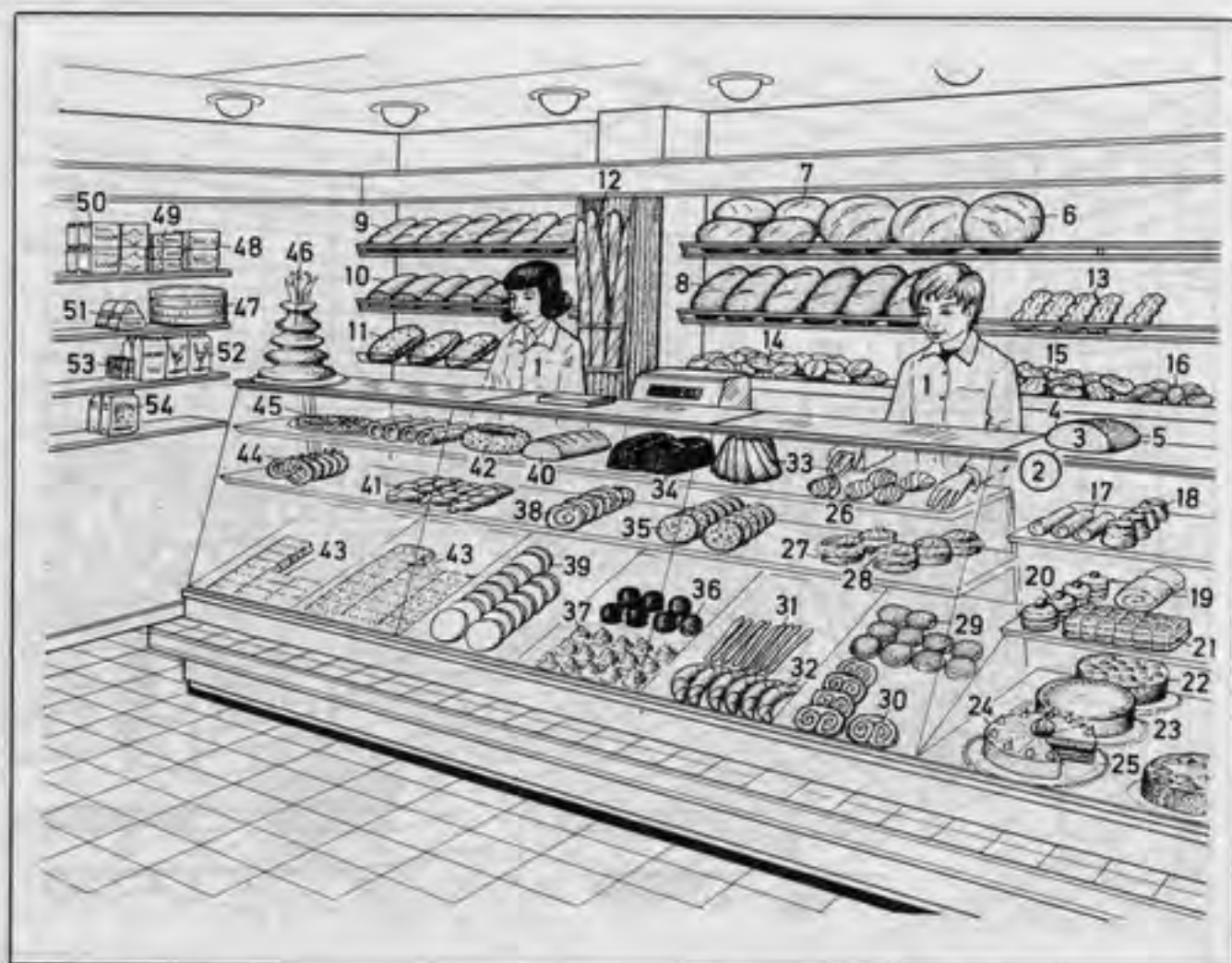
- 1 ham on the bone
- 2 flitch of bacon
- 3 smoked meat
- 4 piece of loin (piece of sirloin)
- 5 lard
- 6-11 sausages**
- 6 price label
- 7 mortadella
- 8 scalded sausage; *kinds*: Vienna sausage (Wiener), Frankfurter sausage (Frankfurter)
- 9 collared pork (*Am.* headcheese)
- 10 ring of Lyoner sausage
- 11 pork sausages; *also*: beef sausages
- 12 cold shelves
- 13 meat salad (diced meat salad)
- 14 cold meats (*Am.* cold cuts)
- 15 pâté
- 16 mince (mincemeat, minced meat)
- 17 knuckle of pork

- 18 basket for special offers
- 19 price list for special offers
- 20 special offer
- 21 freezer
- 22 pre-packed joints
- 23 deep-frozen ready-to-eat meal
- 24 chicken
- 25 canned food
- 26 can
- 27 canned vegetables
- 28 canned fish
- 29 salad cream
- 30 soft drinks

**31-59 manufacture of sausages****31-37 butcher's knives**

- 31 slicer
- 32 knife blade
- 33 saw teeth
- 34 knife handle
- 35 carver (carving knife)
- 36 boning knife
- 37 butcher's knife (butcher knife)
- 38 butcher (master butcher)
- 39 butcher's apron
- 40 meat-mixing trough
- 41 sausage meat
- 42 scraper
- 43 skimmer
- 44 sausage fork
- 45 scalding colander
- 46 waste bin (*Am.* trash bin)
- 47 cooker, for cooking with steam or hot air
- 48 smoke house
- 49 sausage filler (sausage stuffer)
- 50 feed pipe (supply pipe)
- 51 containers for vegetables

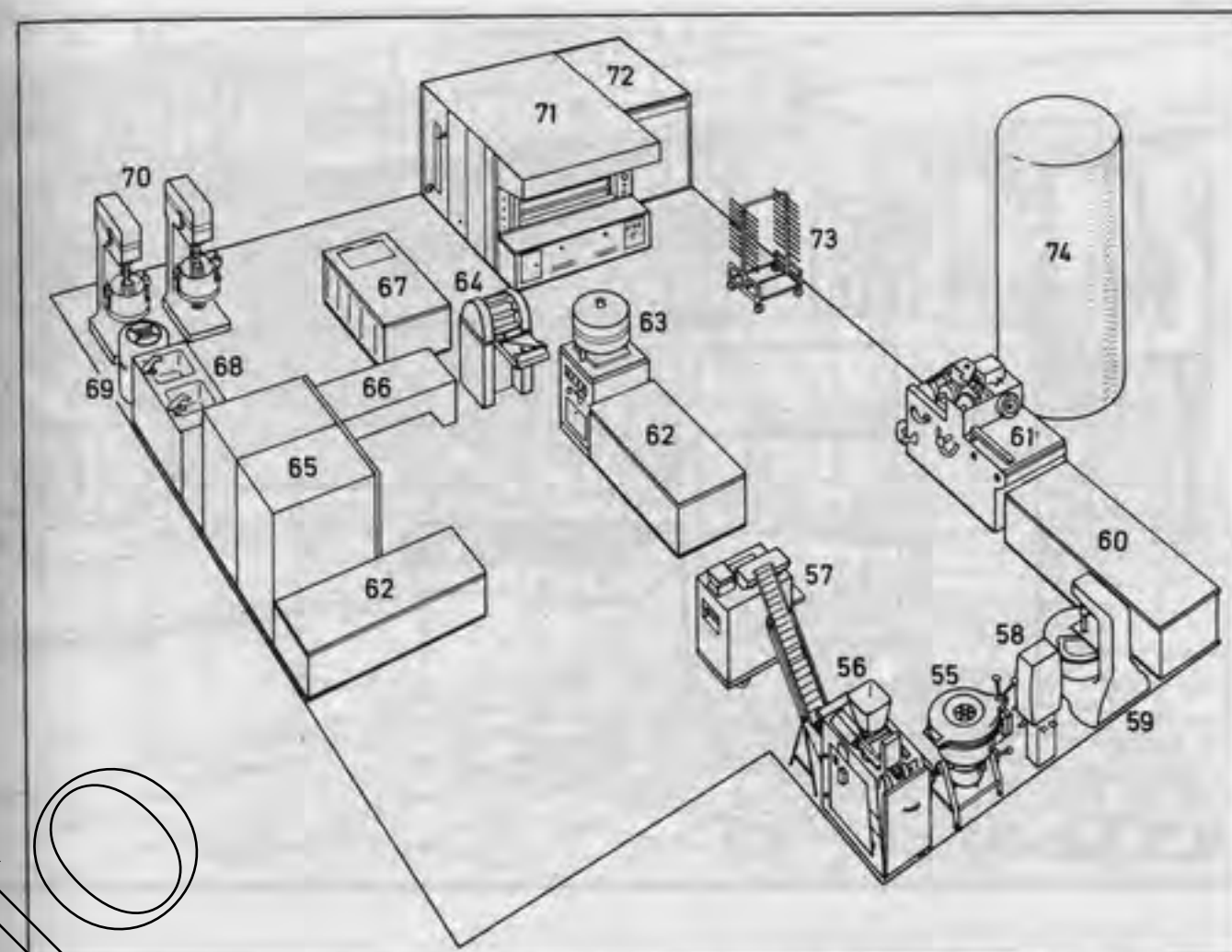
- 52 mincing machine for sausage meat
- 53 mincing machine (meat mincer, mincer, *Am.* meat grinder)
- 54 plates (steel plates)
- 55 meathook (butcher's hook)
- 56 bone saw
- 57 chopping board
- 58 butcher, cutting meat
- 59 piece of meat

**1-54 baker's shop**

- 1 shop assistant (*Am.* salesgirl, saleslady)
- 2 bread (loaf of bread, loaf)
- 3 crumb
- 4 crust (bread crust)
- 5 crust (*Am.* heel)
- 6-12 kinds of bread (breads)**
- 6 round loaf, a wheat and rye bread
- 7 small round loaf
- 8 long loaf (bloomer), a wheat and rye bread
- 9 white loaf
- 10 pan loaf, a wholemeal rye bread
- 11 yeast bread (*Am.* stollen)
- 12 French loaf (baguette, French stick)
- 13-16 rolls**
- 13 brown roll
- 14 white roll
- 15 finger roll
- 16 rye-bread roll
- 17-47 cakes (confectionery)**
- 17 cream roll
- 18 vol-au-vent, a puff pastry (*Am.* puff paste)

- 19 Swiss roll (*Am.* jelly roll)
- 20 tartlet
- 21 slice of cream cake
- 22-24 flans (*Am.* pies) and gateaux (torten)**
- 22 fruit flan (*kinds:* strawberry flan, cherry flan, gooseberry flan, peach flan, rhubarb flan)
- 23 cheesecake
- 24 cream cake (*Am.* cream pie) (*kinds:* butter-cream cake, Black Forest gateau)
- 25 cake plate
- 26 meringue
- 27 cream puff
- 28 whipped cream
- 29 doughnut (*Am.* bismarck)
- 30 Danish pastry
- 31 saltstick (saltzstange) (*also:* caraway roll, caraway stick)
- 32 croissant (crescent roll, *Am.* crescent)
- 33 ring cake (gugelhupf)
- 34 slab cake with chocolate icing
- 35 streusel cakes
- 36 marshmallow

DEMO



- 37 coconut macaroon
- 38 pastry whirl
- 39 iced bun
- 40 sweet bread
- 41 plaited bun (plait)
- 42 Frankfurter garland cake
- 43 slices (*kinds:* streusel slices, sugared slices, plum slices)
- 44 pretzel
- 45 wafer (*Am.* waffle)
- 46 tree cake (baumkuchen)
- 47 flan case
- 48-50 wrapped bread**
- 48 wholemeal bread (*also:* wheatgerm bread)
- 49 pumpernickel (wholemeal rye bread)
- 50 crispbread
- 51 gingerbread (*Am.* lebkuchen)
- 52 flour (*kinds:* wheat flour, rye flour)
- 53 yeast (baker's yeast)
- 54 rusks (French toast)
- 55-74 bakery (bakehouse)**
- 55 kneading machine (dough mixer)

- 56-57 bread unit**
- 56 divider
- 57 moulder (*Am.* molder)
- 58 premixer
- 59 dough mixer
- 60 workbench
- 61 roll unit
- 62 workbench
- 63 divider and rounder (rounding machine)
- 64 crescent-forming machine
- 65 freezers
- 66 oven [for baking with fat]
- 67-70 confectionery unit**
- 67 cooling table
- 68 sink
- 69 boiler
- 70 whipping unit [with beater]
- 71 reel oven (oven)
- 72 fermentation room
- 73 fermentation trolley
- 74 flour silo



1-87 **grocer's shop** (grocer's, delicatessen shop, *Am. grocery store*, delicatessen store), a retail shop (*Am. retail store*)

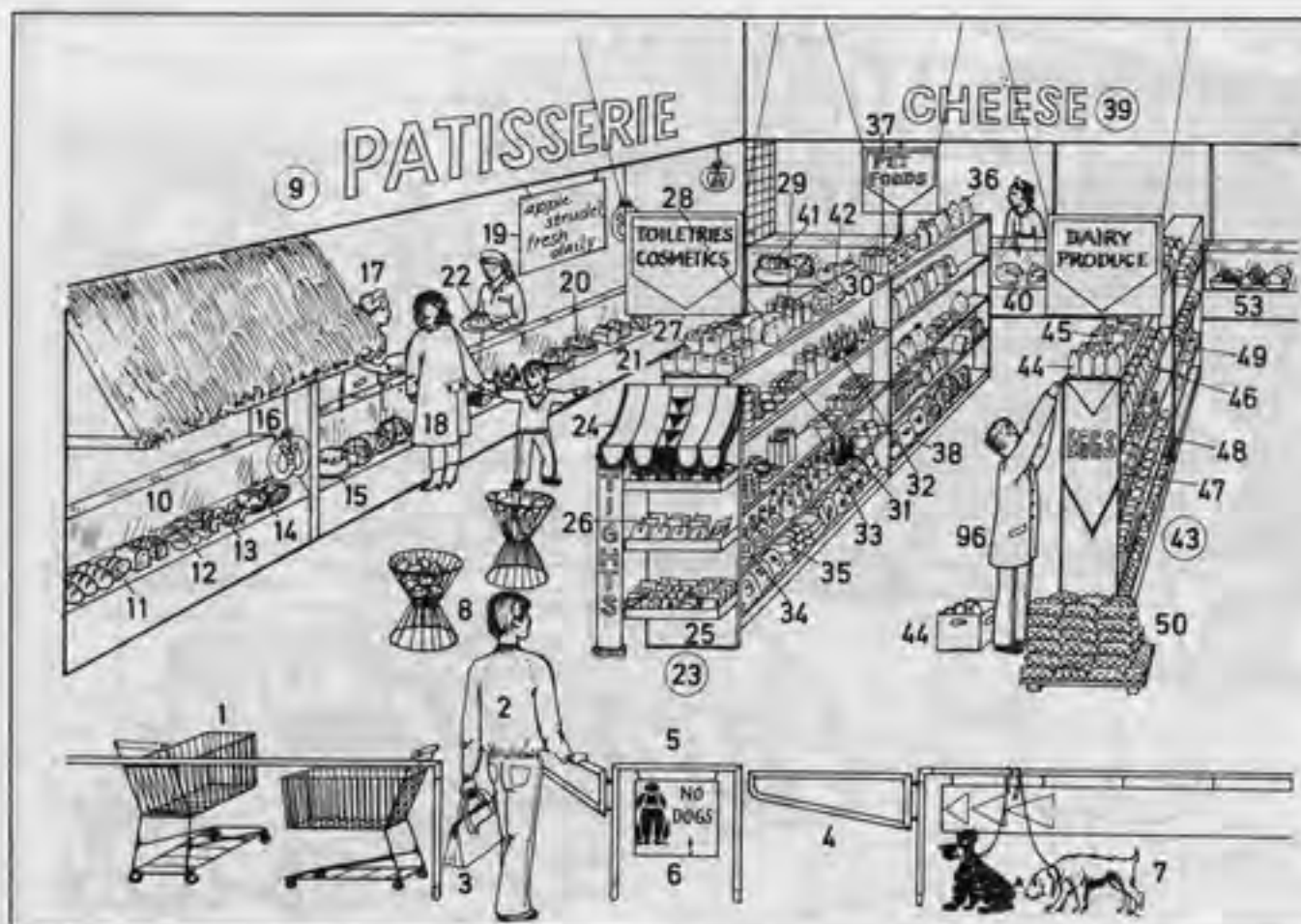
- 1 window display
- 2 poster (advertisement)
- 3 cold shelves
- 4 sausages
- 5 cheese
- 6 roasting chicken (broiler)
- 7 poulard, a fattened hen
- 8-11 **baking ingredients**
- 8 raisins; *sim.*: sultanas
- 9 currants
- 10 candied lemon peel
- 11 candied orange peel
- 12 computing scale, a rapid scale
- 13 shop assistant (*Am. salesclerk*)
- 14 goods shelves (shelves)
- 15-20 **canned food**
- 15 canned milk
- 16 canned fruit (cans of fruit)
- 17 canned vegetables
- 18 fruit juice
- 19 sardines in oil, a can of fish
- 20 canned meat (cans of meat)
- 21 margarine

- 22 butter
- 23 coconut oil, a vegetable oil
- 24 oil; *kinds*: salad oil, olive oil, sunflower oil, wheatgerm oil, ground-nut oil
- 25 vinegar
- 26 stock cube
- 27 bouillon cube
- 28 mustard
- 29 gherkin (pickled gherkin)
- 30 soup seasoning
- 31 shop assistant (*Am. salesgirl*, saleslady)
- 32-34 **pastas**
- 32 spaghetti
- 33 macaroni
- 34 noodles
- 35-39 **cereal products**
- 35 pearl barley
- 36 semolina
- 37 rolled oats (porridge oats, oats)
- 38 rice
- 39 sago
- 40 salt
- 41 grocer (*Am. groceryman*), a shopkeeper (tradesman, retailer, *Am. storekeeper*)



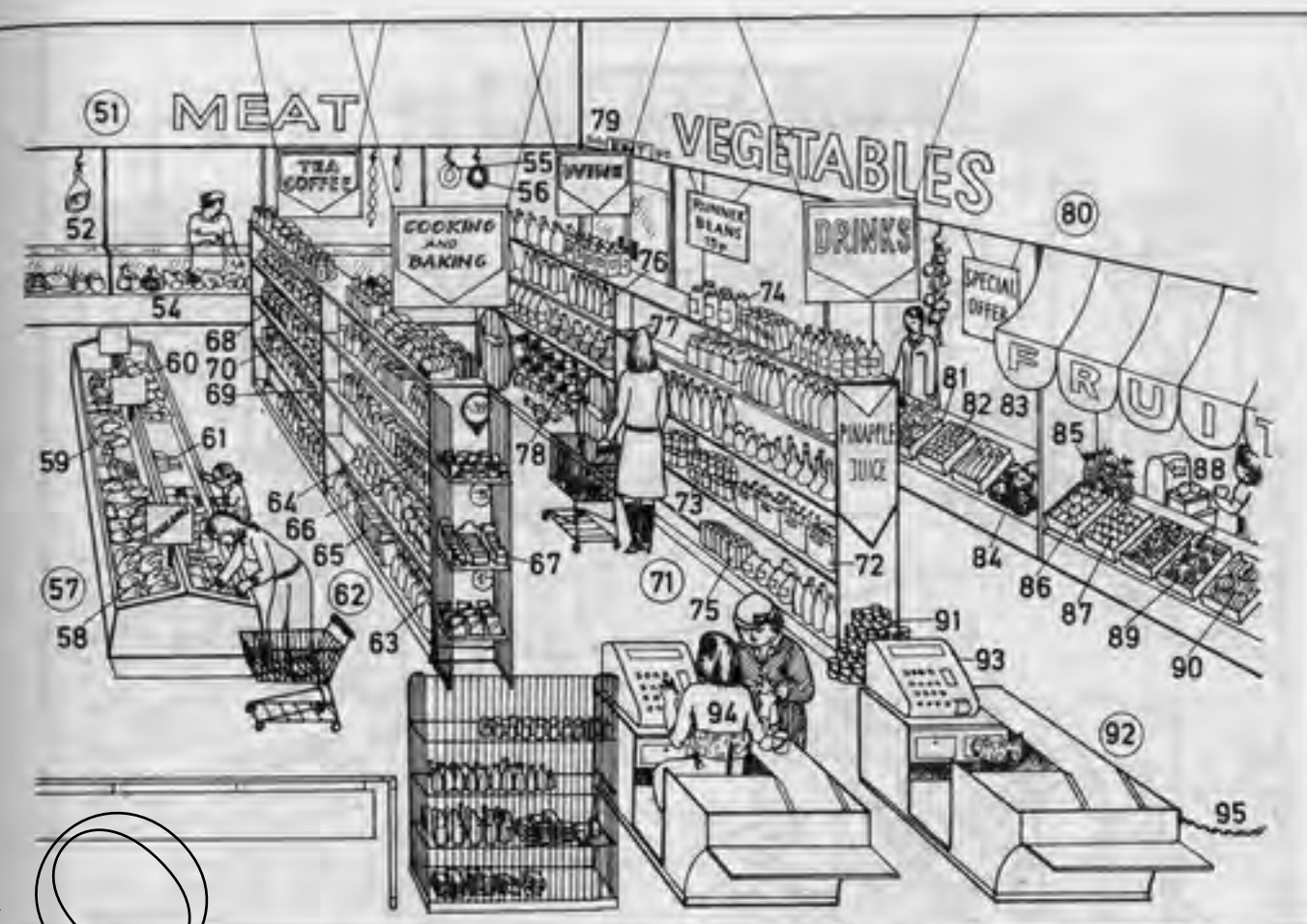
- 42 papers
- 43 customer
- 44 receipt (sales check)
- 45 shopping bag
- 46-49 **wrapping material**
- 46 wrapping paper
- 47 adhesive tape
- 48 paper bag
- 49 cone-shaped paper bag
- 50 blancmange powder
- 51 whole-fruit jam (preserve)
- 52 jam
- 53-55 **sugar**
- 53 cube sugar
- 54 icing sugar (*Am. confectioner's sugar*)
- 55 refined sugar in crystals
- 56-59 **spirits**
- 56 whisky (whiskey)
- 57 rum
- 58 liqueur
- 59 brandy (cognac)
- 60-64 **wine in bottles** (bottled wine)
- 60 white wine
- 61 Chianti
- 62 vermouth
- 63 sparkling wine

- 64 red wine
- 65-68 **tea, coffee, etc.**
- 65 coffee (pure coffee)
- 66 cocoa
- 67 coffee
- 68 tea bag
- 69 electric coffee grinder
- 70 coffee roaster
- 71 roasting drum
- 72 sample scoop
- 73 price list
- 74 freezer
- 75-86 **confectionery** (*Am. candies*)
- 75 sweet (*Am. candy*)
- 76 drops
- 77 toffees
- 78 bar of chocolate
- 79 chocolate box
- 80 chocolate, a sweet
- 81 nougat
- 82 marzipan
- 83 chocolate liqueur
- 84 Turkish delight
- 85 croquant
- 86 truffle
- 87 soda water



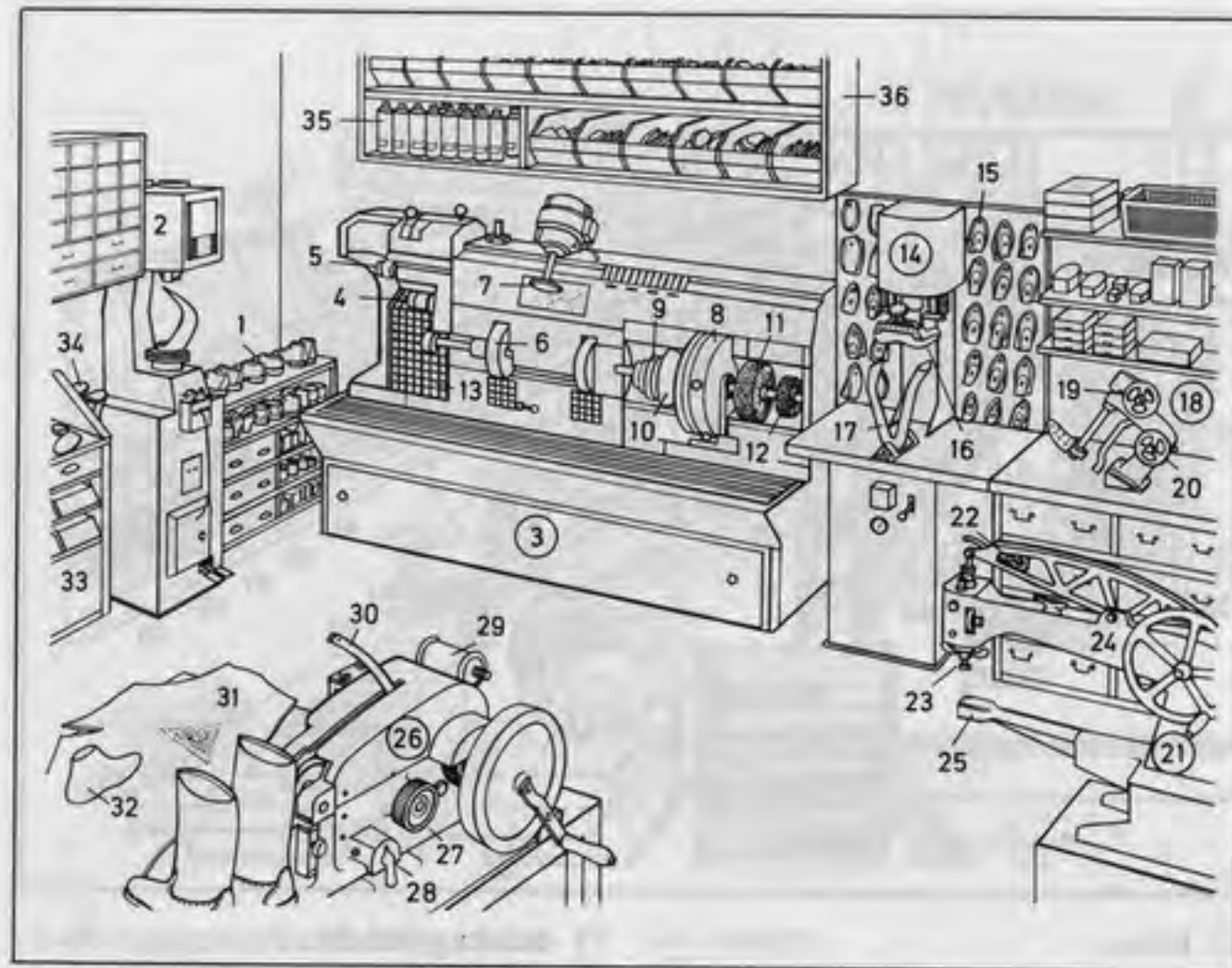
1-96 supermarket, a self-service

- food store
- 1 shopping trolley
- 2 customer
- 3 shopping bag
- 4 entrance to the sales area
- 5 barrier
- 6 sign (notice) banning dogs
- 7 dogs tied by their leads
- 8 basket
- 9 **bread and cake counter** (bread counter, cake counter)
- 10 display counter for bread and cakes
- 11 kinds of bread (breads)
- 12 rolls
- 13 croissants (crescent rolls, *Am.* crescents)
- 14 round loaf
- 15 gateau
- 16 pretzel [made with yeast dough]
- 17 shop assistant (*Am.* salesgirl, saleslady)
- 18 customer
- 19 sign listing goods
- 20 fruit flan
- 21 slab cake
- 22 ring cake
- 23 **cosmetics gondola**, a gondola (sales shelves)
- 24 canopy
- 25 hosiery shelf
- 26 stockings (nylons)
- 27-35 **toiletries** (cosmetics)
- 27 jar of cream (*kinds*: moisturising cream, day cream, night-care cream, hand cream)
- 28 packet of cotton wool
- 29 talcum powder
- 30 packet of cotton wool balls
- 31 toothpaste
- 32 nail varnish (nail polish)
- 33 shaving cream
- 34 bath salts
- 35 sanitary articles
- 36-37 pet foods
- 36 complete dog food
- 37 packet of dog biscuits
- 38 bag of cat litter
- 39 **cheese counter**
- 40 whole cheese
- 41 Swiss cheese (Emmental cheese) with holes
- 42 Edam cheese, a round cheese
- 43 gondola for dairy products
- 44 long-life milk; *also*: pasteurized milk, homogenized milk
- 45 plastic milk bag
- 46 cream



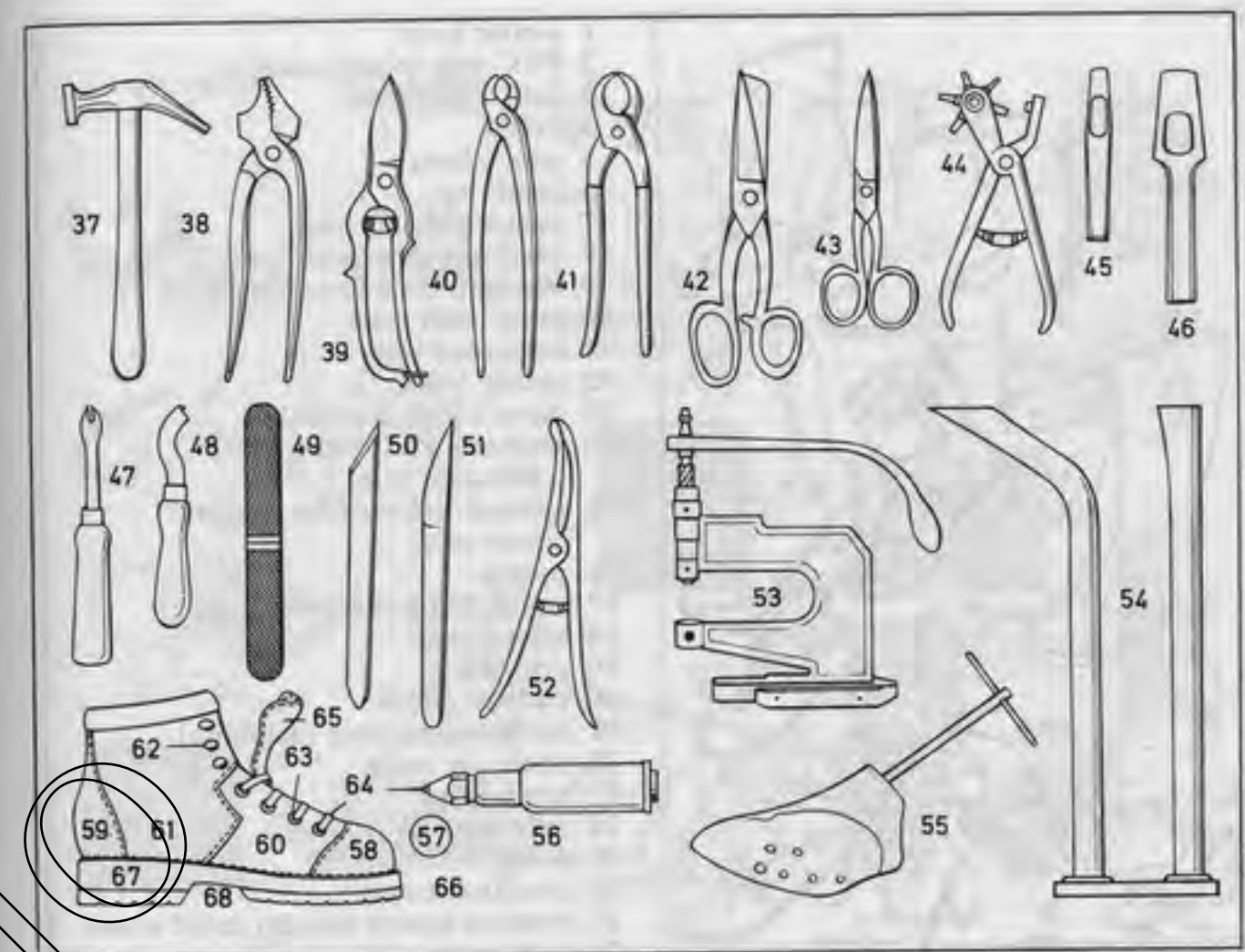
- 47 butter
- 48 margarine
- 49 box of cheeses
- 50 box of eggs
- 51 **fresh meat counter** (meat counter)
- 52 ham on the bone
- 53 meat (meat products)
- 54 sausages
- 55 ring of pork sausage
- 56 ring of blood sausage
- 57 freezer
- 58-61 **frozen food**
- 58 poulard
- 59 turkey leg (drumstick)
- 60 boiling fowl
- 61 frozen vegetables
- 62 **gondola for baking ingredients and cereal products**
- 63 wheat flour
- 64 sugar loaf
- 65 packet of noodles
- 66 salad oil
- 67 packet of spice
- 68-70 **tea, coffee, etc.**
- 68 coffee
- 69 packet of tea
- 70 instant coffee

- 71 **drinks gondola**
- 72 soft drinks
- 73 can of beer (canned beer)
- 74 bottle of fruit juice (bottled fruit juice)
- 75 can of fruit juice (canned fruit juice)
- 76 bottle of wine
- 77 bottle of Chianti
- 78 bottle of champagne
- 79 emergency exit
- 80 **fruit and vegetable counter**
- 81 vegetable basket
- 82 tomatoes
- 83 cucumbers
- 84 cauliflower
- 85 pineapple
- 86 apples
- 87 pears
- 88 scales for weighing fruit
- 89 grapes (bunches of grapes)
- 90 bananas
- 91 can
- 92 **checkout**
- 93 cash register
- 94 cashier
- 95 chain



- 1-68 shoemaker's workshop (bootmaker's workshop)
 1 finished (repaired) shoes
 2 auto-soling machine
 3 finishing machine
 4 heel trimmer
 5 sole trimmer
 6 scouring wheel
 7 naum keag
 8 drive unit (drive wheel)
 9 iron
 10 buffing wheel
 11 polishing brush
 12 horsehair brush
 13 extractor grid
 14 automatic sole press
 15 press attachment
 16 pad
 17 press bar
 18 stretching machine
 19 width adjustment
 20 length adjustment
 21 stitching machine
 22 power regulator (power control)
 23 foot

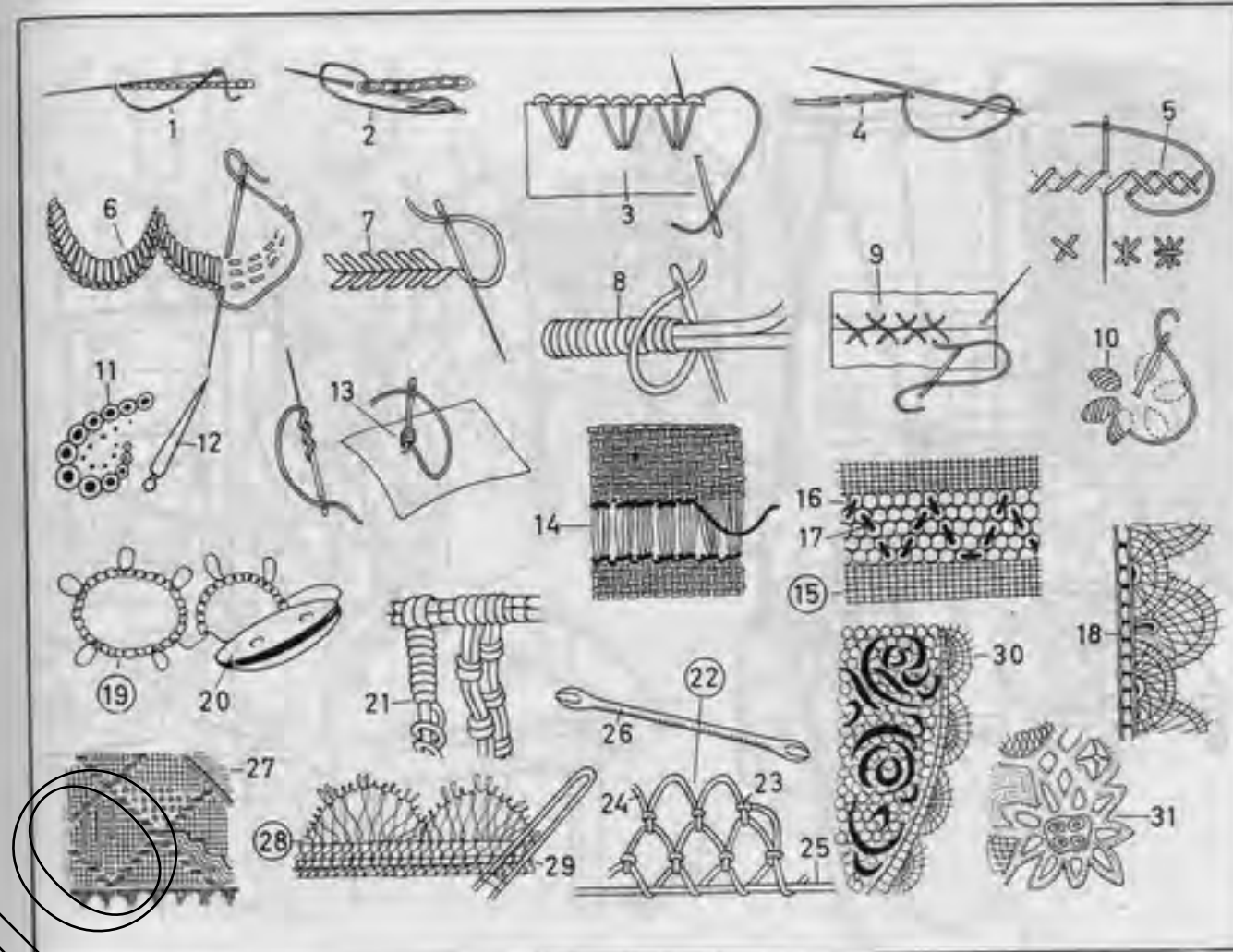
- 24 handwheel
 25 arm
 26 sole stitcher (sole-stitching machine)
 27 foot bar lever
 28 feed adjustment (feed setting)
 29 bobbin (cotton bobbin)
 30 thread guide (yarn guide)
 31 sole leather
 32 [wooden] last
 33 workbench
 34 last
 35 dye spray
 36 shelves for materials



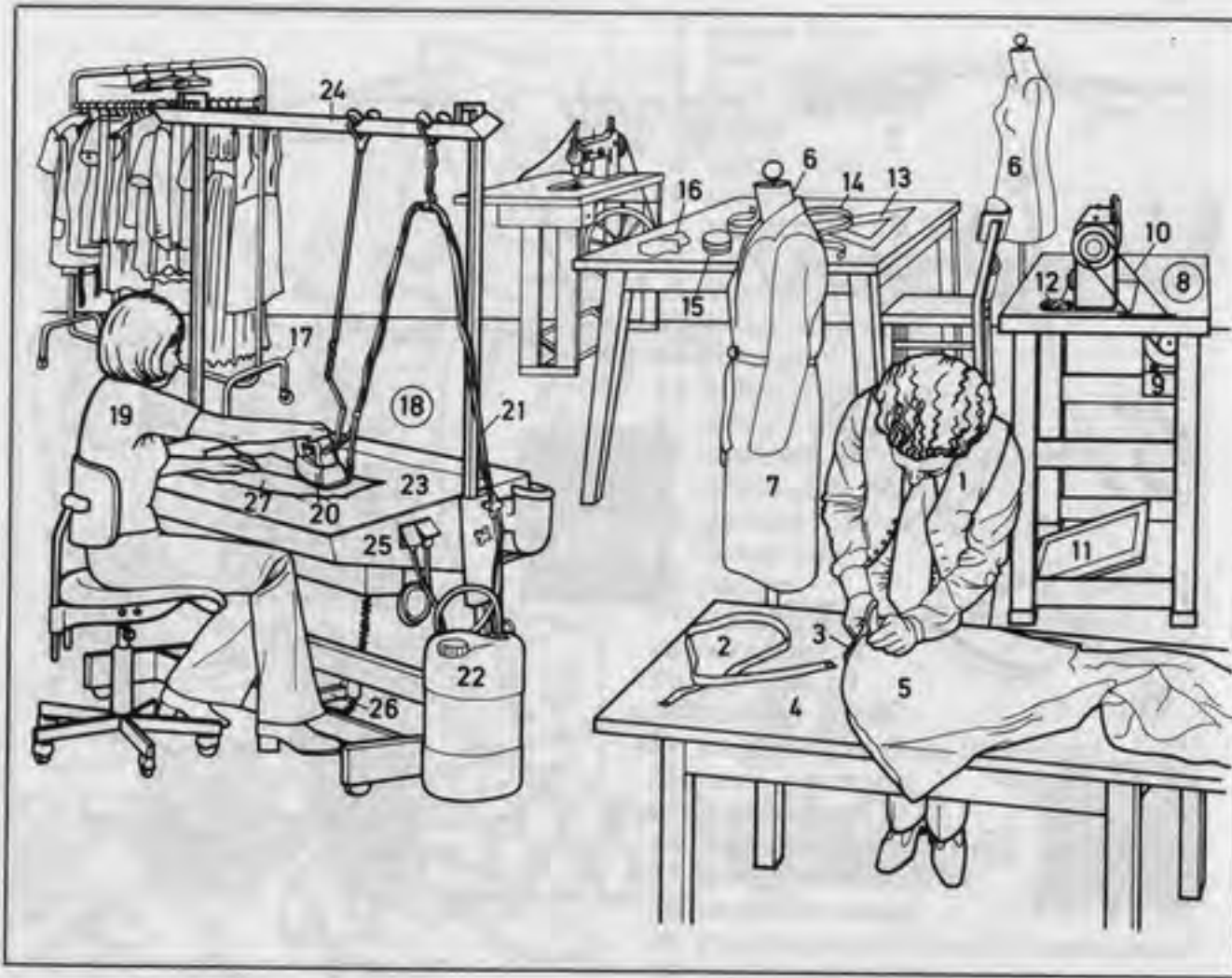
- 37 shoemaker's hammer
 38 shoemaker's pliers (welt pincers)
 39 sole-leather shears
 40 small pincers (nippers)
 41 large pincers (nippers)
 42 upper-leather shears
 43 scissors
 44 revolving punch (rotary punch)
 45 punch
 46 punch with handle
 47 nail puller
 48 welt cutter
 49 shoemaker's rasp
 50 cobbler's knife (shoemaker's knife)
 51 skiving knife (skife knife, paring knife)
 52 toecap remover
 53 eyelet, hook, and press-stud setter
 54 stand with iron lasts
 55 width-setting tree
 56 nail grip
 57 boot
 58 toecap
- 59 counter
 60 vamp
 61 quarter
 62 hook
 63 eyelet
 64 lace (shoelace, bootlace)
 65 tongue
 66 sole
 67 heel
 68 shank (waist)



- 1 winter boot
- 2 PVC sole (plastic sole)
- 3 high-pile lining
- 4 nylon
- 5 men's boot
- 6 inside zip
- 7 men's high leg boot
- 8 platform sole (platform)
- 9 Western boot (cowboy boot)
- 10 pony-skin boot
- 11 cemented sole
- 12 ladies' boot
- 13 mens's high leg boot
- 14 seamless PVC waterproof wellington boot
- 15 natural-colour (*Am.* natural-color) sole
- 16 toecap
- 17 tricot lining (knitwear lining)
- 18 hiking boot
- 19 grip sole
- 20 padded collar
- 21 tie fastening (lace fastening)
- 22 open-toe mule
- 23 terry upper
- 24 polo outsole
- 25 mule
- 26 corduroy upper
- 27 evening sandal (sandal court shoe)
- 28 high heel (stiletto heel)
- 29 court shoe (*Am.* pump)
- 30 moccasin
- 31 shoe, a tie shoe (laced shoe, Oxford shoe, *Am.* Oxford)
- 32 tongue
- 33 high-heeled shoe (shoe with raised heel)
- 34 casual
- 35 trainer (training shoe)
- 36 tennis shoe
- 37 counter (stiffening)
- 38 natural-colour (*Am.* natural-color) rubber sole
- 39 heavy-duty boot (*Am.* stogy, stogie)
- 40 toecap
- 41 slipper
- 42 woollen (*Am.* woolen) slip sock
- 43 knit stitch (knit)
- 44 clog
- 45 wooden sole
- 46 soft-leather upper
- 47 sabot
- 48 toe post sandal
- 49 ladies' sandal
- 50 surgical footbed (sock)
- 51 sandal
- 52 shoe buckle (buckle)
- 53 sling-back court shoe (*Am.* sling pump)
- 54 fabric court shoe
- 55 wedge heel
- 56 baby's first walking boot

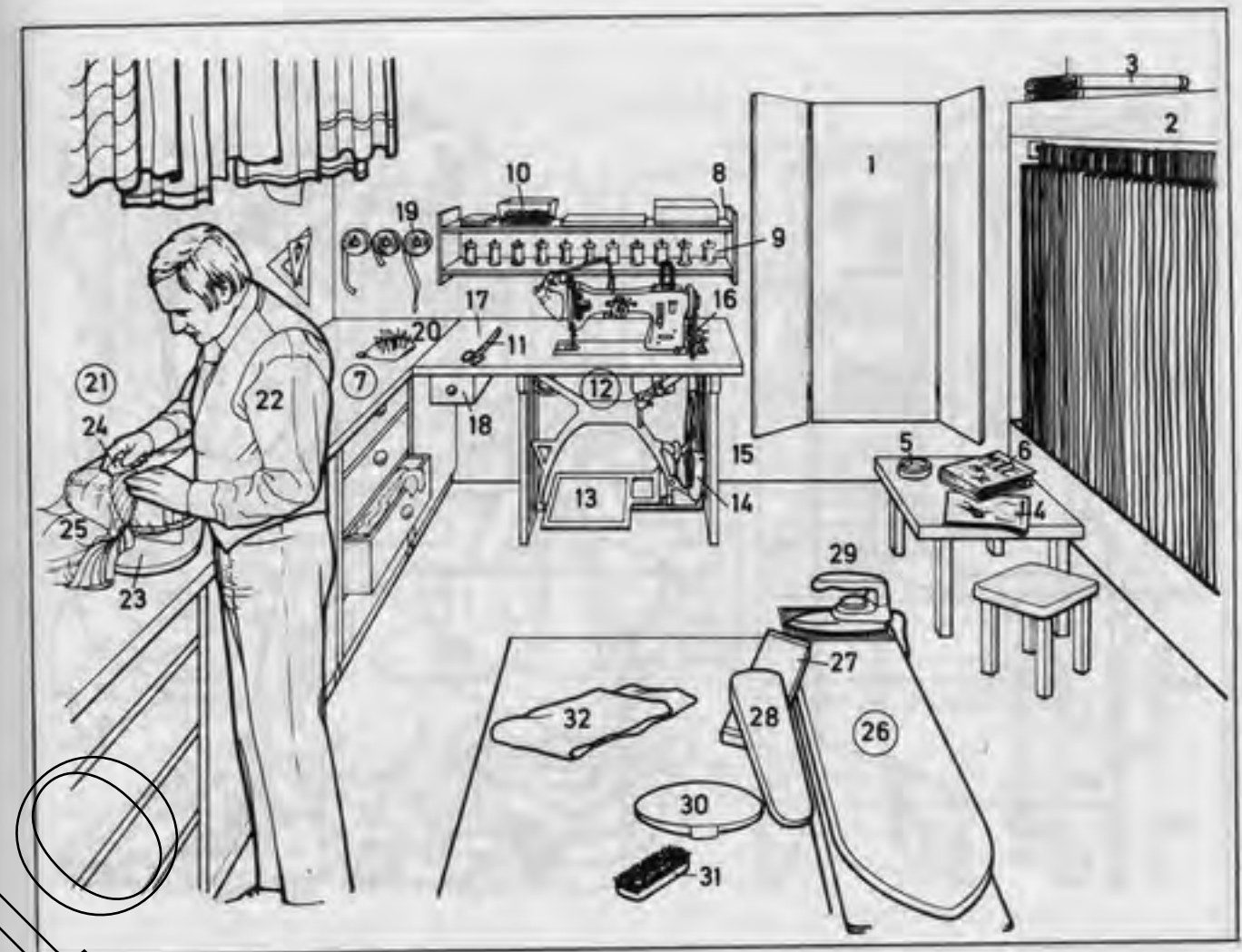


- 1 backstitch seam
- 2 chain stitch
- 3 ornamental stitch
- 4 stem stitch
- 5 cross stitch
- 6 buttonhole stitch (button stitch)
- 7 fishbone stitch
- 8 overcast stitch
- 9 herringbone stitch (Russian stitch, Russian cross stitch)
- 10 satin stitch (flat stitch)
- 11 eyelet embroidery (broderie anglaise)
- 12 stiletto
- 13 French knot (French dot, knotted stitch, twisted knot stitch)
- 14 hem stitch work
- 15 tulle work (tulle lace)
- 16 tulle background (net background)
- 17 darning stitch
- 18 pillow lace (bobbin lace, bone lace); *kinds:* Valenciennes, Brussels lace
- 19 tatting
- 20 tatting shuttle (shuttle)
- 21 knotted work (macramé)
- 22 filet (netting)
- 23 netting loop
- 24 netting thread
- 25 mesh pin (mesh gauge)
- 26 netting needle
- 27 open work
- 28 gimping (hairpin work)
- 29 gimping needle (hairpin)
- 30 needlepoint lace (point lace, needlepoint); *kinds:* reticella lace, Venetian lace, Alençon lace; *sim.* with metal thread: filigree work
- 31 braid embroidery (braid work)

**1-27 dressmaker's workroom**

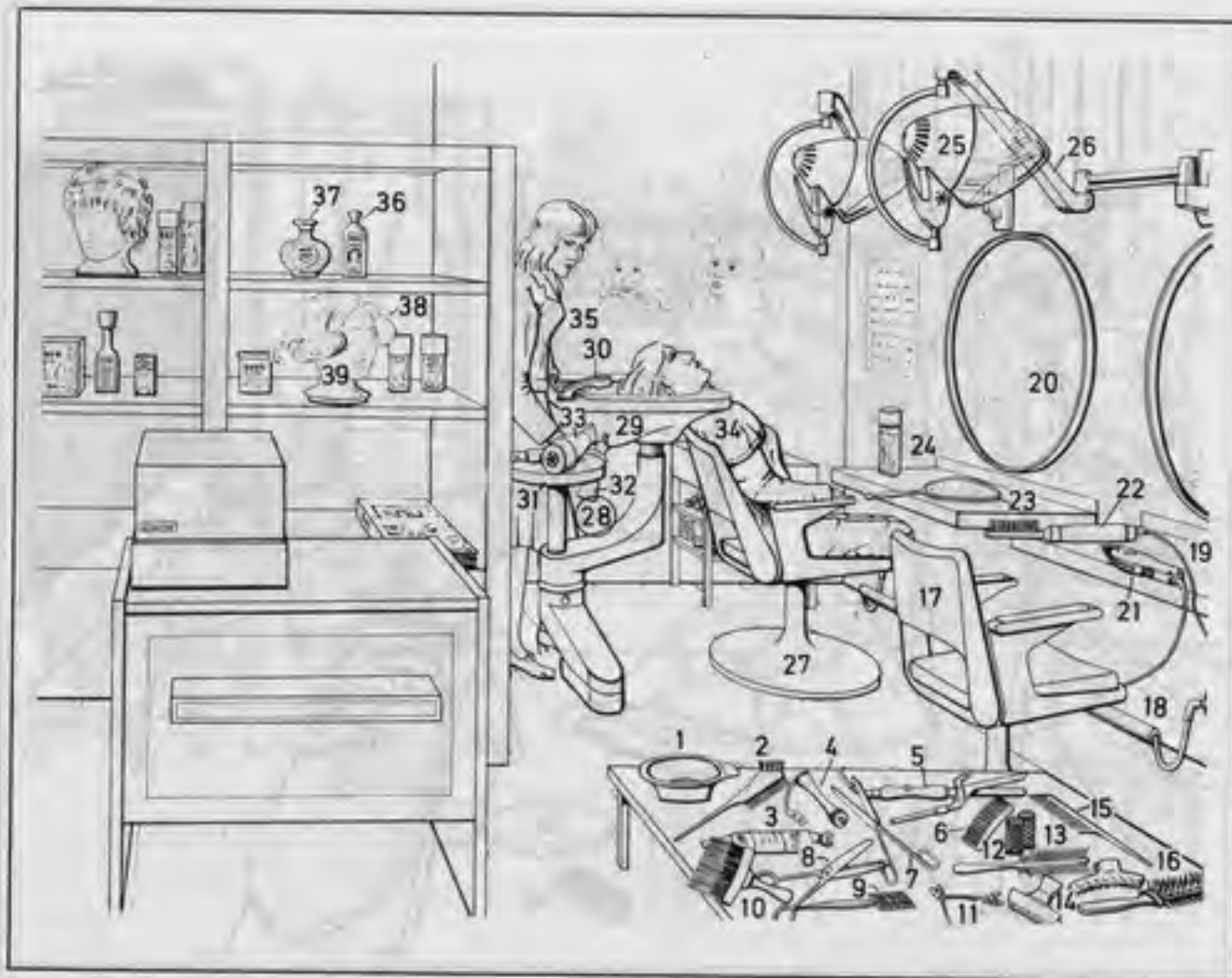
- 1 dressmaker
- 2 tape measure (measuring tape), a metre (*Am.* meter) tape measure
- 3 cutting shears
- 4 cutting table
- 5 model dress
- 6 dressmaker's model (dressmaker's dummy, dress form)
- 7 model coat
- 8 sewing machine
- 9 drive motor
- 10 drive belt
- 11 treadle
- 12 sewing machine cotton (sewing machine thread) [on bobbin]
- 13 cutting template
- 14 seam binding
- 15 button box
- 16 remnant
- 17 movable clothes rack
- 18 hand-iron press
- 19 presser (ironer)
- 20 steam iron

- 21 water feed pipe
- 22 water container
- 23 adjustable-tilt ironing surface
- 24 lift device for the iron
- 25 steam extractor
- 26 foot switch controlling steam extraction
- 27 pressed non-woven woollen (*Am.* woolen) fabric

**1-32 tailor's workroom**

- 1 triple mirror
- 2 lengths of material
- 3 suiting
- 4 fashion journal (fashion magazine)
- 5 ashtray
- 6 fashion catalogue
- 7 workbench
- 8 wall shelves (wall shelf unit)
- 9 cotton reel
- 10 small reels of sewing silk
- 11 hand shears
- 12 combined electric and treadle sewing machine
- 13 treadle
- 14 dress guard
- 15 band wheel
- 16 bobbin thread
- 17 sewing machine table
- 18 sewing machine drawer
- 19 seam binding
- 20 pincushion
- 21 marking out
- 22 tailor

- 23 shaping pad
- 24 tailor's chalk (French chalk)
- 25 workpiece
- 26 steam press (steam pressing unit)
- 27 swivel arm
- 28 pressing cushion (pressing pad)
- 29 iron
- 30 hand-ironing pad
- 31 clothes brush
- 32 pressing cloth



1-39 ladies' hairdressing salon and beauty salon (*Am.* beauty parlor, beauty shop)

1-16 hairdresser's tools

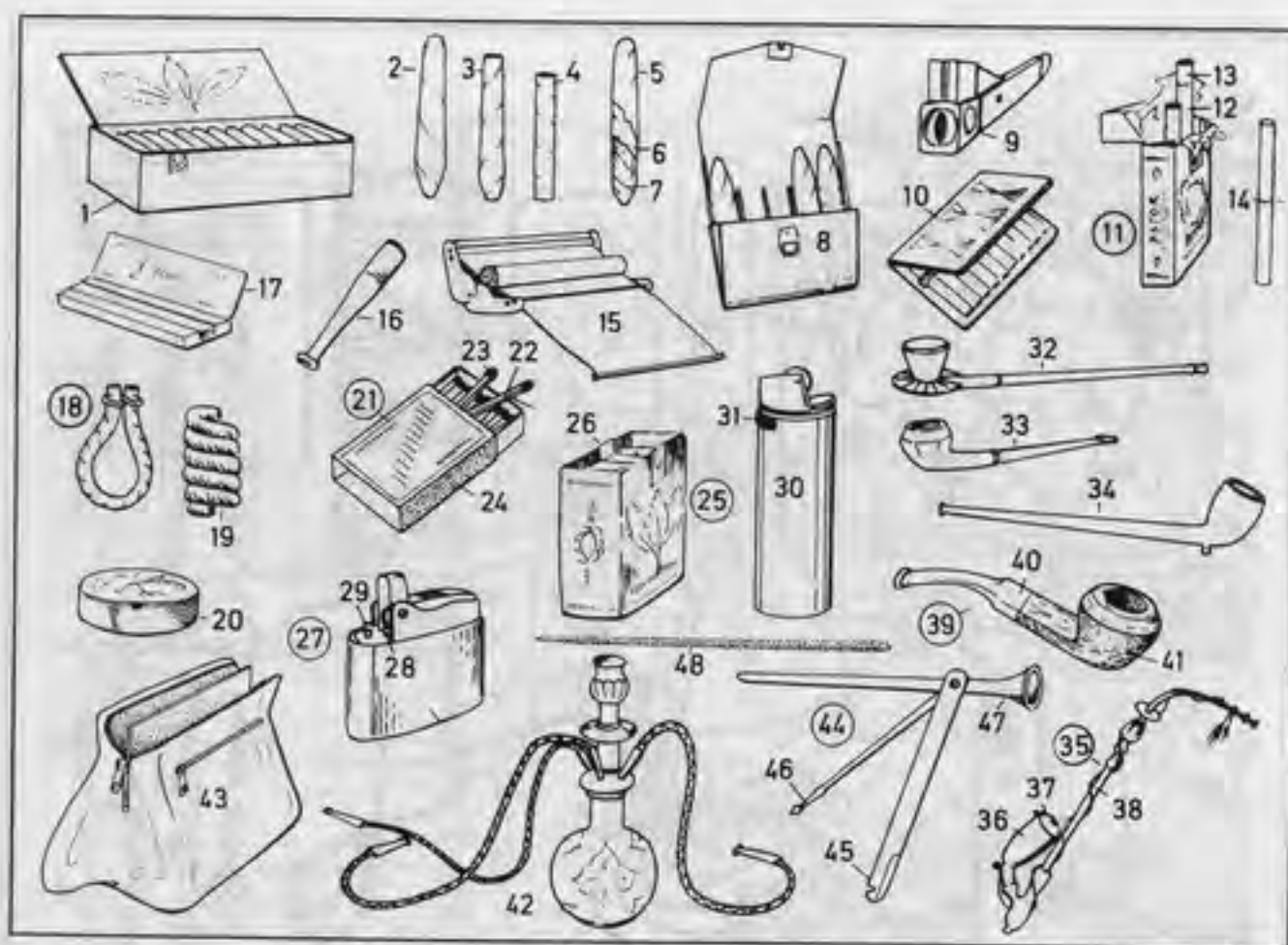
- 1 bowl containing bleach
- 2 detangling brush
- 3 bleach tube
- 4 curler [used in dyeing]
- 5 curling tongs (curling iron)
- 6 comb (back comb, side comb)
- 7 haircutting scissors
- 8 thinning scissors (*Am.* thinning shears)
- 9 thinning razor
- 10 hairbrush
- 11 hair clip
- 12 roller
- 13 curl brush
- 14 curl clip
- 15 dressing comb
- 16 stiff-bristle brush
- 17 adjustable hairdresser's chair
- 18 footrest
- 19 dressing table
- 20 salon mirror (mirror)
- 21 electric clippers

- 22 warm-air comb
- 23 hand mirror (hand glass)
- 24 hair spray (hair-fixing spray)
- 25 drier, a swivel-mounted drier
- 26 swivel arm of the drier
- 27 round base
- 28 shampoo unit
- 29 shampoo basin
- 30 hand spray (shampoo spray)
- 31 service tray
- 32 shampoo bottle
- 33 hair drier (hand hair drier, hand-held hair drier)
- 34 cape (gown)
- 35 hairdresser
- 36 perfume bottle
- 37 bottle of toilet water
- 38 wig
- 39 wig block

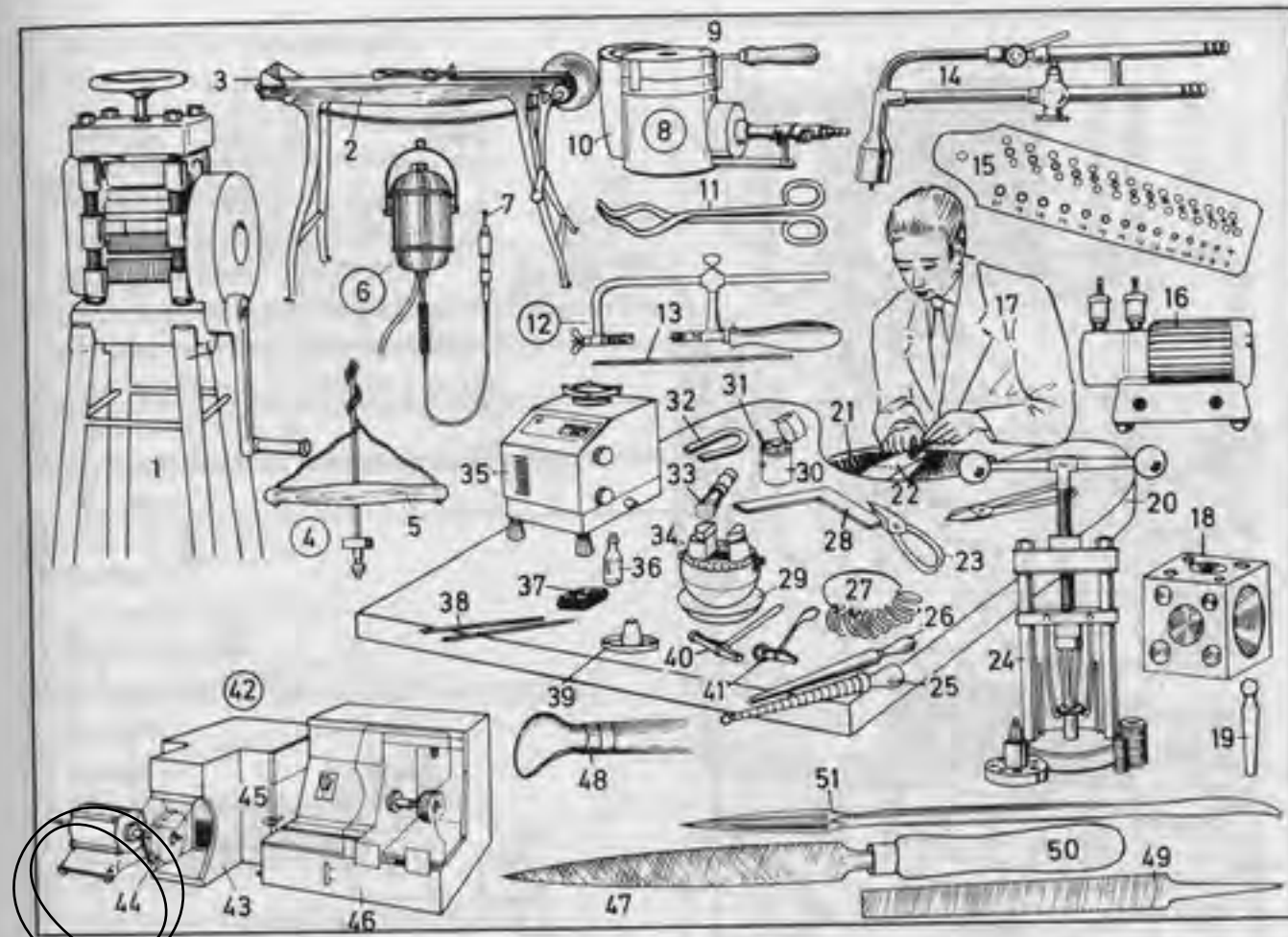


- 1-42 men's salon** (men's hairdressing salon, barber's shop, *Am.* barbershop)
- 1 hairdresser (barber)
 - 2 overalls (hairdresser's overalls)
 - 3 hairstyle (haircut)
 - 4 cape (gown)
 - 5 paper towel
 - 6 salon mirror (mirror)
 - 7 hand mirror (hand glass)
 - 8 light
 - 9 toilet water
 - 10 hair tonic
 - 11 shampoo unit
 - 12 shampoo basin
 - 13 hand spray (shampoo spray)
 - 14 mixer tap (*Am.* mixing faucet)
 - 15 sockets, e.g. for hair drier
 - 16 adjustable hairdresser's chair (barber's chair)
 - 17 height-adjuster bar (height adjuster)
 - 18 armrest
 - 19 footrest
 - 20 shampoo
 - 21 perfume spray

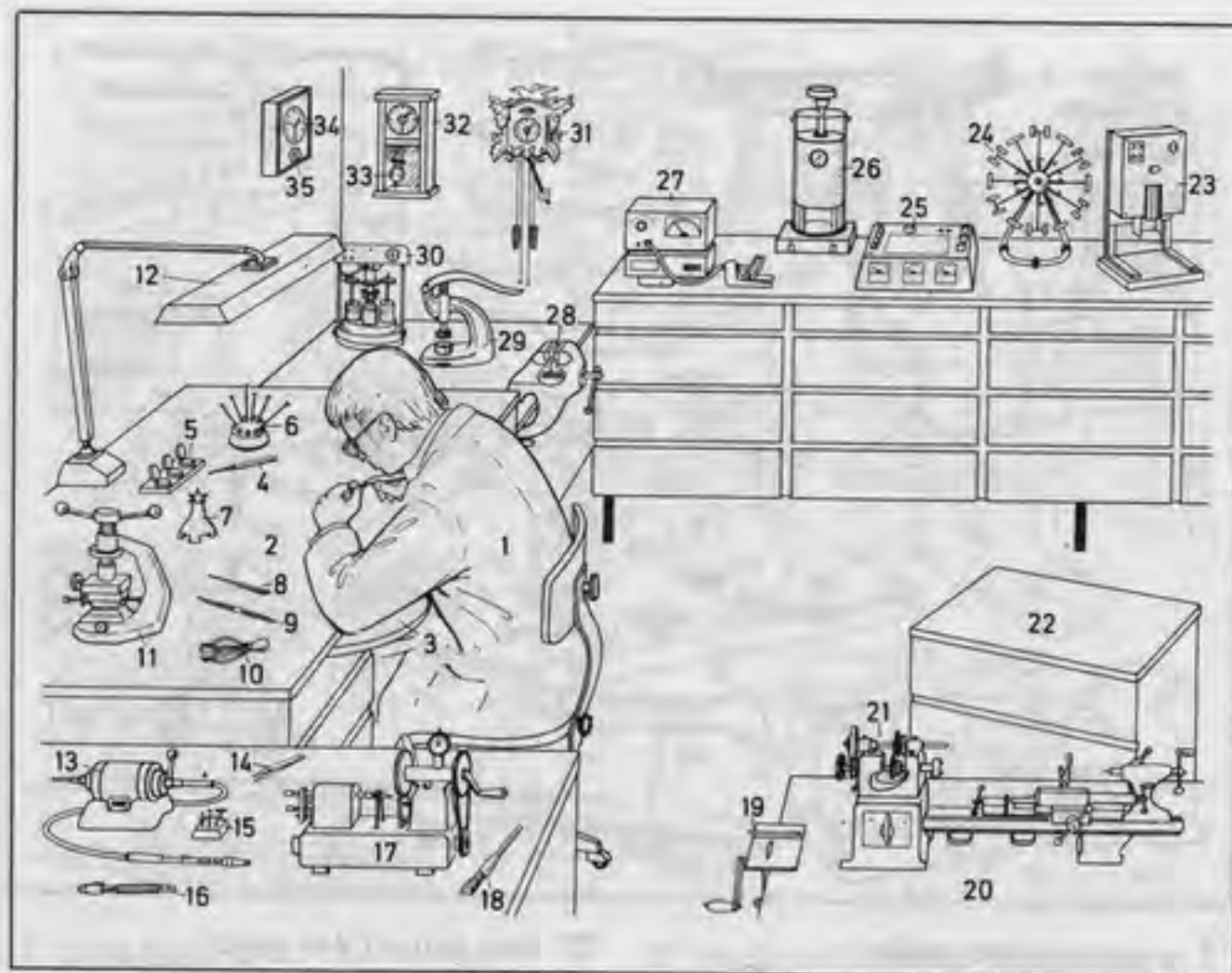
- 22 hair drier (hand hair drier, hand-held hair drier)
- 23 setting lotion in a spray can
- 24 hand towels for drying hair
- 25 towels for face compresses
- 26 crimping iron
- 27 neck brush
- 28 dressing comb
- 29 warm-air comb
- 30 warm-air brush
- 31 curling tongs (hair curler, curling iron)
- 32 electric clippers
- 33 thinning scissors (*Am.* thinning shears)
- 34 haircutting scissors; *sim.*: styling scissors
- 35 scissor-blade
- 36 pivot
- 37 handle
- 38 open razor (straight razor)
- 39 razor handle
- 40 edge (cutting edge, razor's edge, razor's cutting edge)
- 41 thinning razor
- 42 diploma



- 1 cigar box
- 2 cigar; *kinds*: Havana cigar (Havana), Brazilian cigar, Sumatra cigar
- 3 cigarillo
- 4 cheroot
- 5 wrapper
- 6 binder
- 7 filler
- 8 cigar case
- 9 cigar cutter
- 10 cigarette case
- 11 cigarette packet (*Am. pack*)
- 12 cigarette, a filter-tipped cigarette
- 13 cigarette tip; *kinds*: cork tip, gold tip
- 14 Russian cigarette
- 15 cigarette roller
- 16 cigarette holder
- 17 packet of cigarette papers
- 18 pigtail (twist of tobacco)
- 19 chewing tobacco; *a piece*: plug (quid, chew)
- 20 snuff box, containing snuff
- 21 matchbox
- 22 match
- 23 head (match head)
- 24 striking surface
- 25 packet of tobacco; *kinds*: fine cut, shag, navy plug
- 26 revenue stamp
- 27 petrol cigarette lighter (petrol lighter)
- 28 flint
- 29 wick
- 30 gas cigarette lighter (gas lighter), a disposable lighter
- 31 flame regulator
- 32 chibonk (chibonque)
- 33 short pipe
- 34 clay pipe (Dutch pipe)
- 35 long pipe
- 36 pipe bowl (bowl)
- 37 bowl lid
- 38 pipe stem (stem)
- 39 briar pipe
- 40 mouthpiece
- 41 sand-blast finished or polished briar grain
- 42 hookah (narghile, narghileh), a water pipe
- 43 tobacco pouch
- 44 smoker's companion
- 45 pipe scraper
- 46 pipe cleaner
- 47 tobacco presser
- 48 pipe cleaner



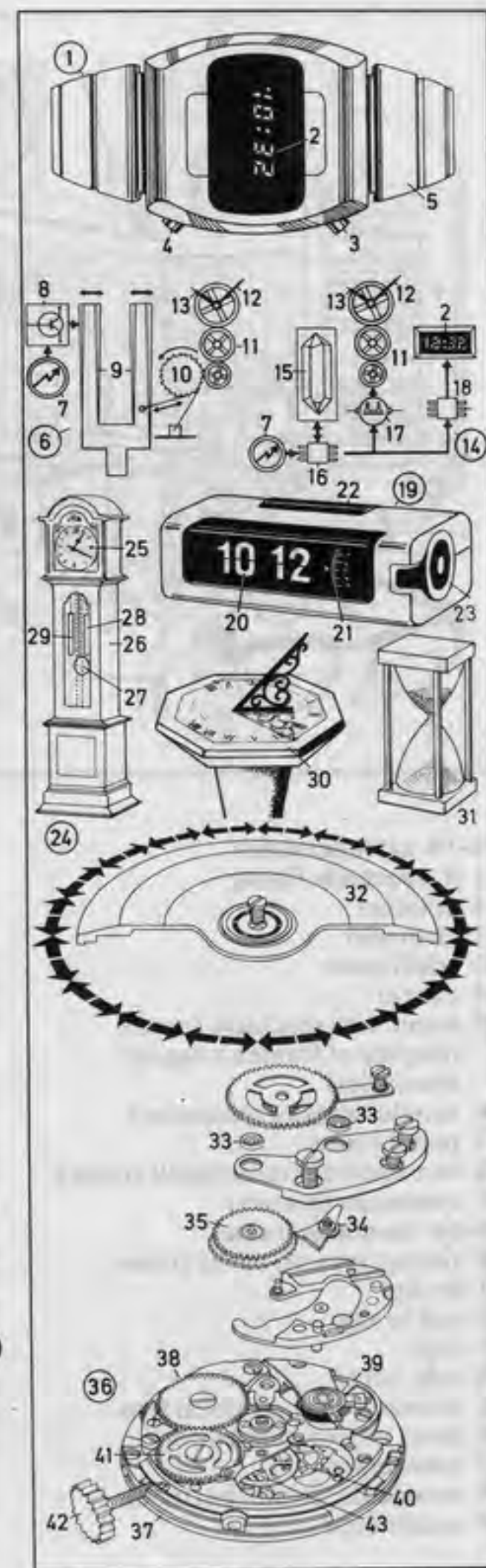
- 1 wire and sheet roller
- 2 drawbench (drawing bench)
- 3 wire (gold or silver wire)
- 4 archimedes drill (drill)
- 5 crossbar
- 6 suspended (pendant) electric drilling machine
- 7 spherical cutter (cherry)
- 8 melting pot
- 9 fireclay top
- 10 graphite crucible
- 11 crucible tongs
- 12 piercing saw (jig saw)
- 13 piercing saw blade
- 14 soldering gun
- 15 thread tapper
- 16 blast burner (blast lamp) for soldering
- 17 goldsmith
- 18 swage block
- 19 punch
- 20 workbench (bench)
- 21 bench apron
- 22 needle file
- 23 metal shears
- 24 wedding ring sizing machine
- 25 ring gauge (*Am. gage*)
- 26 ring-rounding tool
- 27 ring gauge (*Am. gage*)
- 28 steel set-square
- 29 leather pad
- 30 box of punches
- 31 punch
- 32 magnet
- 33 bench brush
- 34 engraving ball (joint vice, clamp)
- 35 gold and silver balance (assay balance), a precision balance
- 36 soldering flux (flux)
- 37 charcoal block
- 38 stick of solder
- 39 soldering borax
- 40 shaping hammer
- 41 chasing (enchasing) hammer
- 42 polishing and burnishing machine
- 43 dust exhaustor (vacuum cleaner)
- 44 polishing wheel
- 45 dust collector (dust catcher)
- 46 buffing machine
- 47 round file
- 48 bloodstone (haematite, hematite)
- 49 flat file
- 50 file handle
- 51 polishing iron (burnisher)

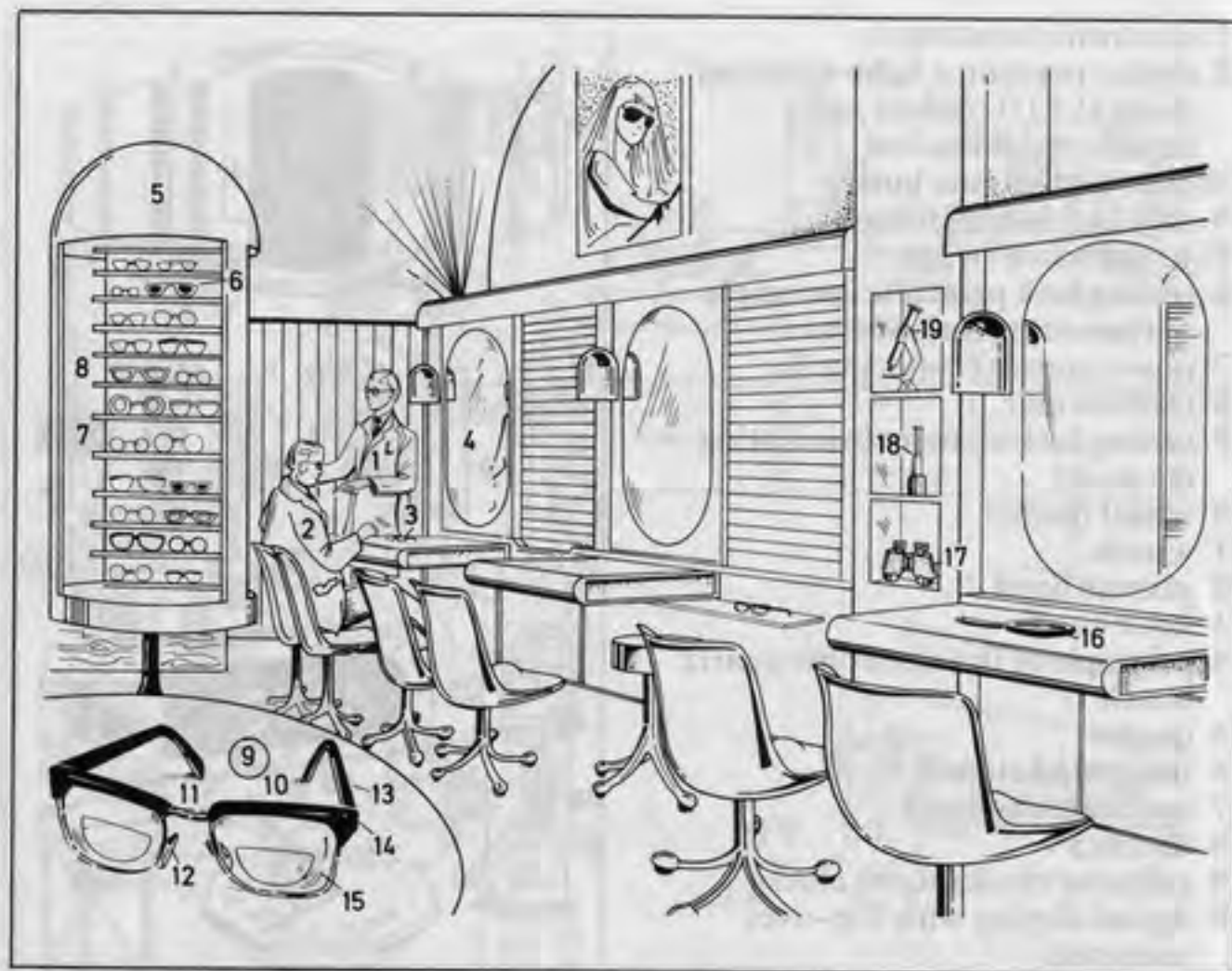


- 1 watchmaker; *also*: clockmaker
- 2 workbench
- 3 armrest
- 4 oiler
- 5 oil stand
- 6 set of screwdrivers
- 7 clockmaker's anvil
- 8 broach, a reamer
- 9 spring pin tool
- 10 hand-removing tool
- 11 watchglass-fitting tool
- 12 workbench lamp, a multi-purpose lamp
- 13 multi-purpose motor
- 14 tweezers
- 15 polishing machine attachments
- 16 pin vice (pin holder)
- 17 burnisher, for burnishing, polishing, and shortening of spindles
- 18 dust brush
- 19 cutter for metal watch straps
- 20 precision bench lathe (watchmaker's lathe)
- 21 drive-belt gear

- 22 workshop trolley for spare parts
- 23 ultrasonic cleaner
- 24 rotating watch-testing machine for automatic watches
- 25 watch-timing machine for electronic components
- 26 testing device for waterproof watches
- 27 electronic timing machine
- 28 vice (*Am.* vise)
- 29 watchglass-fitting tool for armoured (*Am.* armored) glasses
- 30 [automatic] cleaning machine for conventional cleaning
- 31 cuckoo clock (Black Forest clock)
- 32 wall clock (regulator)
- 33 compensation pendulum
- 34 kitchen clock
- 35 timer

- 1 electronic wristwatch
- 2 digital readout, a light-emitting diode (LED) readout; *also*: liquid crystal readout
- 3 hour and minute button
- 4 date and second button
- 5 strap (watch strap)
- 6 tuning fork principle (principle of the tuning fork watch)
- 7 power source (battery cell)
- 8 transformer
- 9 tuning fork element (oscillating element)
- 10 wheel ratchet
- 11 wheels
- 12 minute hand
- 13 hour hand
- 14 principle of the electronic quartz watch
- 15 quartz
- 16 integrated circuit
- 17 oscillation counter
- 18 decoder
- 19 calendar clock (alarm clock)
- 20 digital display with flip-over numerals
- 21 second indicator
- 22 stop button
- 23 forward and backward wind knob
- 24 grandfather clock
- 25 face
- 26 clock case
- 27 pendulum
- 28 striking weight
- 29 time weight
- 30 sundial
- 31 hourglass (egg timer)
- 32-43 **components of an automatic watch** (automatic wristwatch)
- 32 weight (rotor)
- 33 stone (jewel, jewelled bearing), a synthetic ruby
- 34 click
- 35 click wheel
- 36 clockwork (clockwork mechanism)
- 37 bottom train plate
- 38 spring barrel
- 39 balance wheel
- 40 escape wheel
- 41 crown wheel
- 42 winding crown
- 43 drive mechanism



**1-19 sales premises****1-4 spectacle fitting**

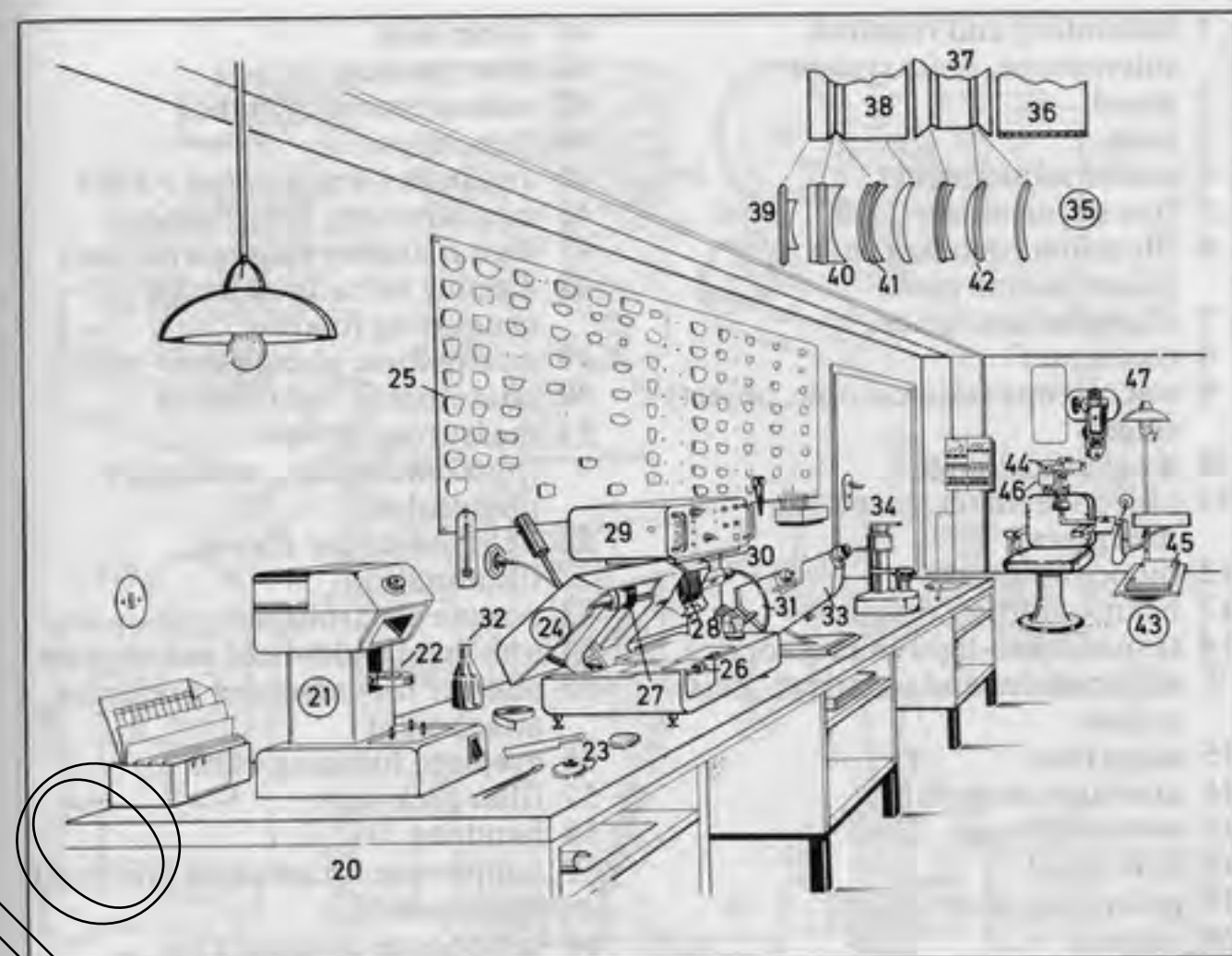
- 1 optician
- 2 customer
- 3 trial frame
- 4 mirror
- 5 stand with spectacle frames (display of frames, range of spectacles)
- 6 sunglasses (sun spectacles)
- 7 metal frame
- 8 tortoiseshell frame (shell frame)
- 9 spectacles (glasses)

10-14 spectacle frame

- 10 fitting (mount) of the frame
- 11 bridge
- 12 pad bridge
- 13 side
- 14 side joint
- 15 spectacle lens, a bifocal lens

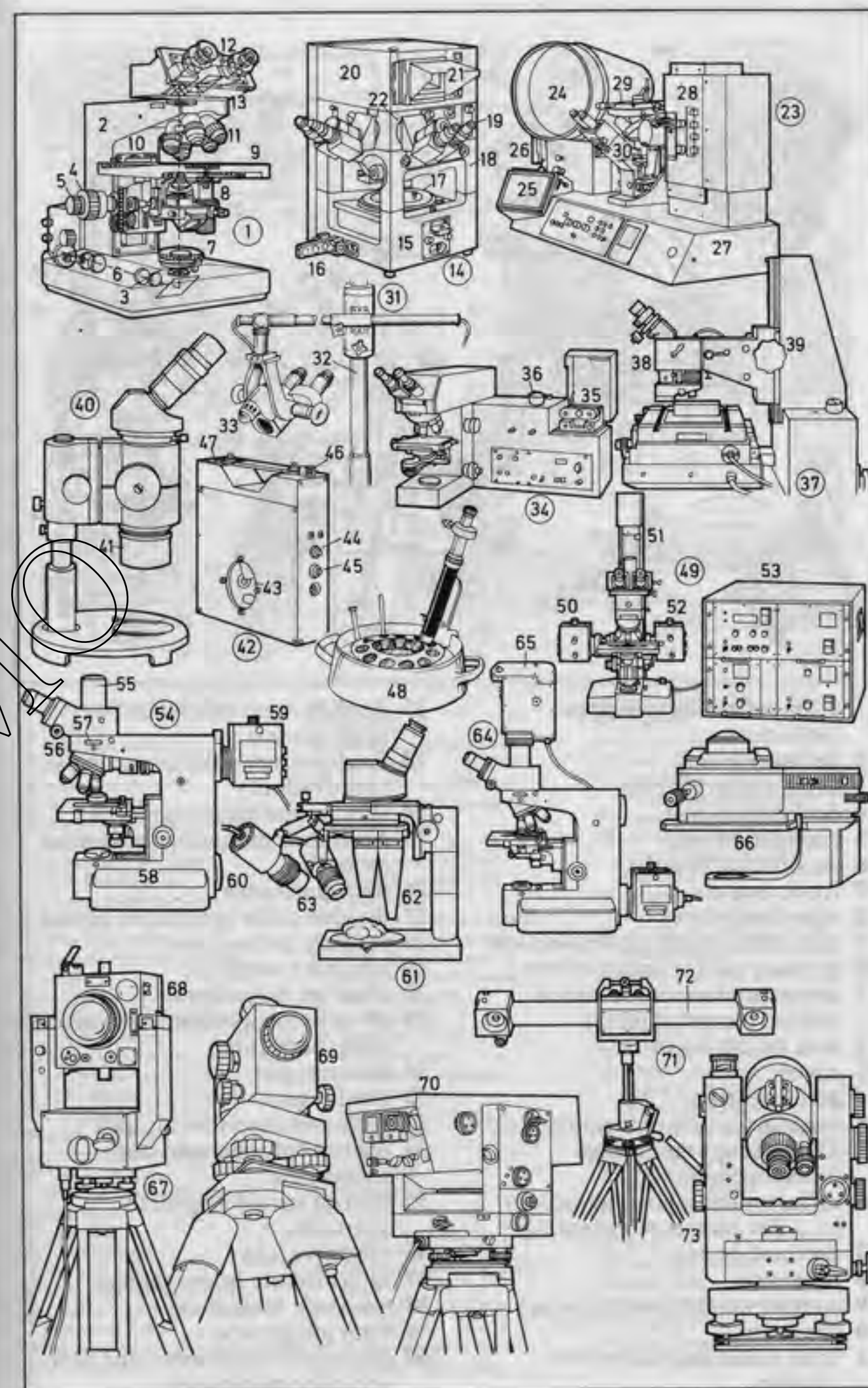
20-47 optician's workshop

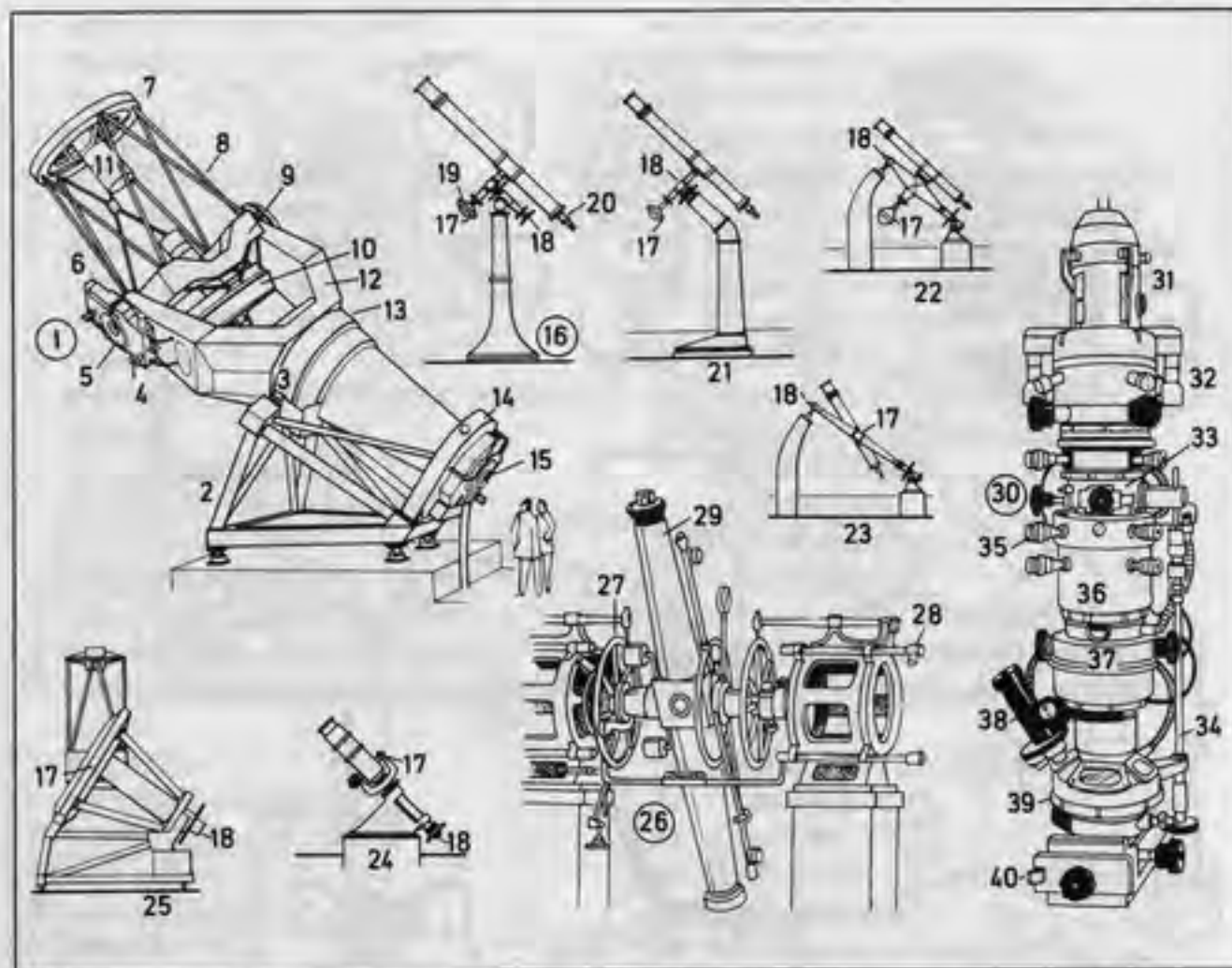
- 20 workbench
- 21 universal centring (centering) apparatus
- 22 centring (centering) suction holder
- 23 sucker
- 24 edging machine
- 25 formers for the lens edging machine
- 26 inserted former
- 27 rotating printer
- 28 abrasive wheel combination
- 29 control unit
- 30 machine part
- 31 cooling water pipe
- 32 cleaning fluid
- 33 focimeter (vertex refractionometer)
- 34 metal-blocking device
- 35 abrasive wheel combination and forms of edging
- 36 roughing wheel for preliminary surfacing



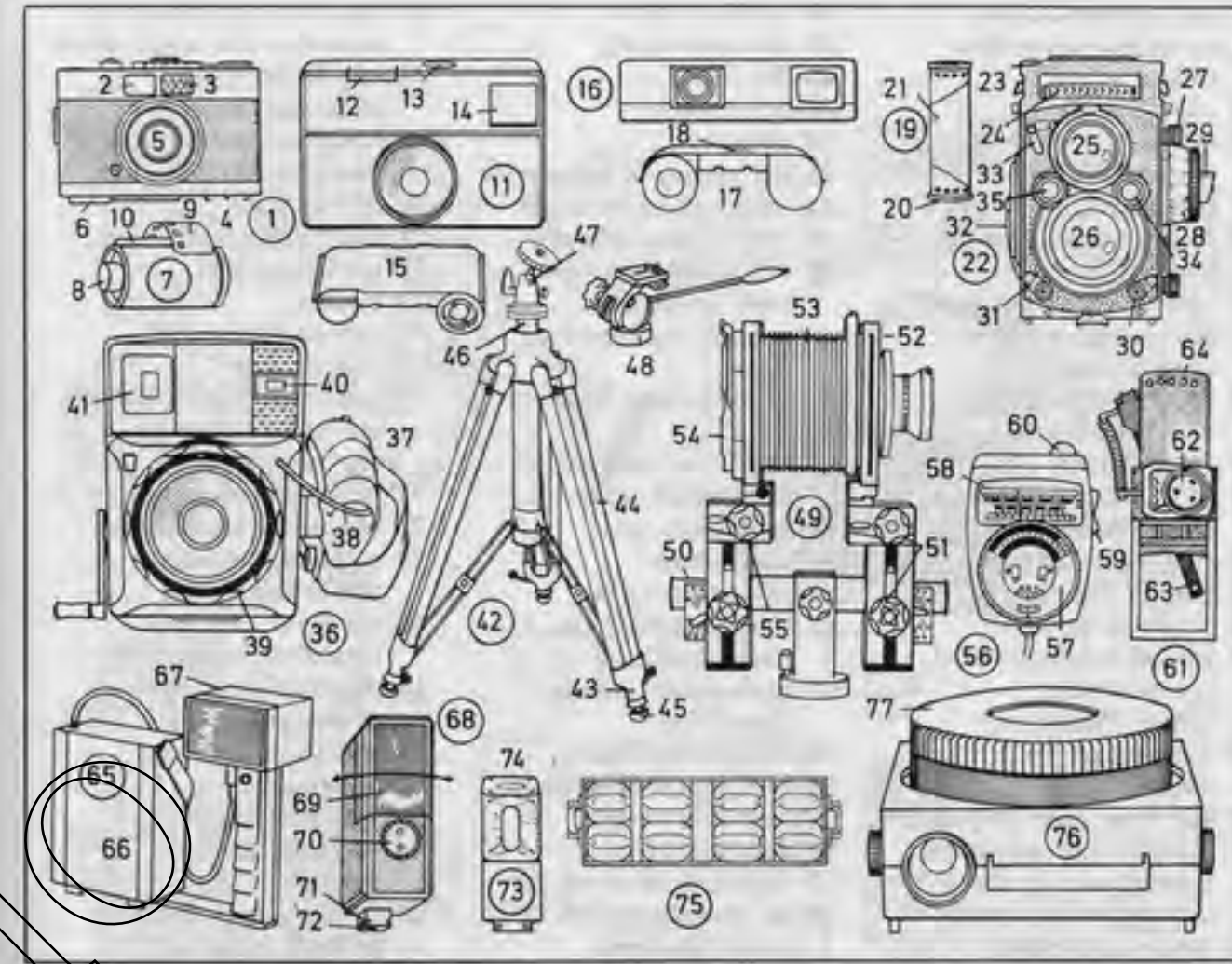
- 37 fining lap for positive and negative lens surfaces
- 38 fining lap for special and flat lenses
- 39 plano-concave lens with a flat surface
- 40 plano-concave lens with a special surface
- 41 concave and convex lens with a special surface
- 42 convex and concave lens with a special surface
- 43 ophthalmic test stand
- 44 phoropter with ophthalmometer and optometer (refractometer)
- 45 trial lens case
- 46 collimator
- 47 acuity projector

- 1 laboratory and research microscope, *Leitz system*
- 2 stand
- 3 base
- 4 coarse adjustment
- 5 fine adjustment
- 6 illumination beam path (illumination path)
- 7 illumination optics
- 8 condenser
- 9 microscope (microscopic, object) stage
- 10 mechanical stage
- 11 objective turret (revolving nosepiece)
- 12 binocular head
- 13 beam-splitting prisms
- 14 transmitted-light microscope with camera and polarizer, *Zeiss system*
- 15 stage base
- 16 aperture-stop slide
- 17 universal stage
- 18 lens panel
- 19 polarizing filter
- 20 camera
- 21 focusing screen
- 22 discussion tube arrangement
- 23 wide-field metallurgical microscope, a reflected-light microscope (microscope for reflected light)
- 24 matt screen (ground glass screen, projection screen)
- 25 large-format camera
- 26 miniature camera
- 27 base plate
- 28 lamphouse
- 29 mechanical stage
- 30 objective turret (revolving nosepiece)
- 31 surgical microscope
- 32 pillar stand
- 33 field illumination
- 34 photomicroscope
- 35 miniature film cassette
- 36 photomicrographic camera attachment for large-format or television camera
- 37 surface-finish microscope
- 38 light section tube
- 39 rack and pinion
- 40 zoom stereomicroscope
- 41 zoom lens
- 42 dust counter
- 43 measurement chamber
- 44 data output
- 45 analogue (*Am.* analog) output
- 46 measurement range selector
- 47 digital display (digital readout)
- 48 dipping refractometer for examining food
- 49 microscopic photometer
- 50 photometric light source
- 51 measuring device (photomultiplier, multiplier phototube)
- 52 light source for survey illumination
- 53 remote electronics
- 54 universal wide-field microscope
- 55 adapter for camera or projector attachment
- 56 eyepiece focusing knob
- 57 filter pick-up
- 58 handrest
- 59 lamphouse for incident (vertical) illumination
- 60 lamphouse connector for transillumination
- 61 wide-field stereomicroscope
- 62 interchangeable lenses (objectives)
- 63 incident (vertical) illumination (incident top lighting)
- 64 fully automatic microscope camera, a camera with photomicro mount adapter
- 65 film cassette
- 66 universal condenser for research microscope I
- 67 universal-type measuring machine for photogrammetry (phototheodolite)
- 68 photogrammetric camera
- 69 motor-driven level, a compensator level
- 70 electro-optical distance-measuring instrument
- 71 stereometric camera
- 72 horizontal base
- 73 one-second theodolite





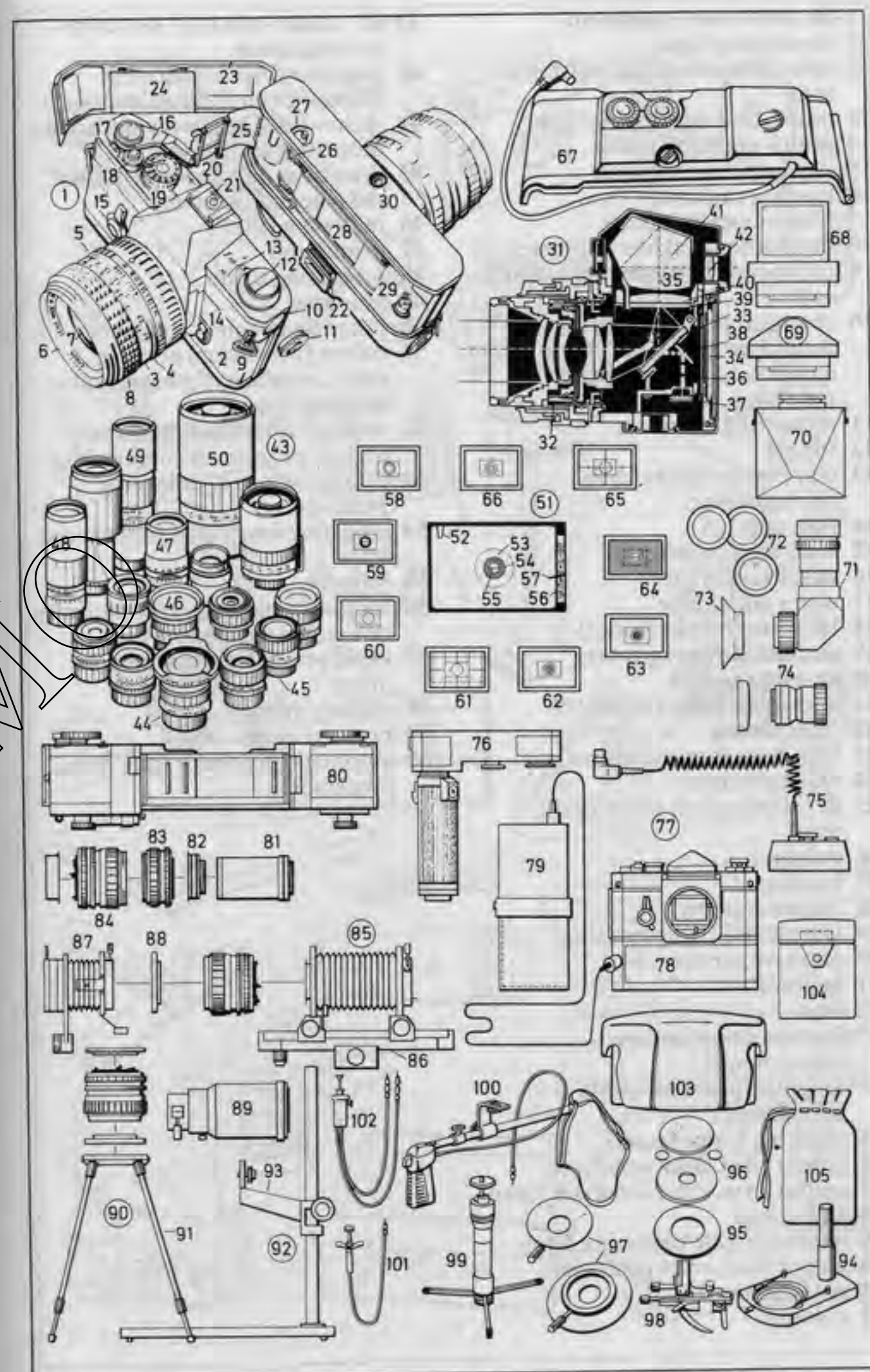
- 1 2.2 m reflecting telescope (reflector)
- 2 pedestal (base)
- 3 axial-radial bearing
- 4 declination gear
- 5 declination axis
- 6 declination bearing
- 7 front ring
- 8 tube (body tube)
- 9 tube centre (*Am.* center) section
- 10 primary mirror (main mirror)
- 11 secondary mirror (deviation mirror, corrector plate)
- 12 fork mounting (fork)
- 13 cover
- 14 guide bearing
- 15 main drive unit of the polar axis
- 16-25 telescope mountings (telescope mounts)
- 16 refractor (refracting telescope) on a German-type mounting
- 17 declination axis
- 18 polar axis
- 19 counterweight (counterpoise)
- 20 eyepiece
- 21 knee mounting with a bent column
- 22 English-type axis mounting (axis mount)
- 23 English-type yoke mounting (yoke mount)
- 24 fork mounting (fork mount)
- 25 horseshoe mounting (horseshoe mount)
- 26 meridian circle
- 27 divided circle (graduated circle)
- 28 reading microscope
- 29 meridian telescope
- 30 electron microscope
- 31-39 microscope tube (microscope body, body tube)
- 31 electron gun
- 32 condensers
- 33 specimen insertion air lock
- 34 control for specimen stage adjustment
- 35 control for the objective apertures
- 36 objective lens
- 37 intermediate image screen
- 38 telescope magnifier
- 39 final image tube
- 40 photographic chamber for film and plate magazines



- 1 miniature camera (35 mm camera)
- 2 viewfinder eyepiece
- 3 meter cell
- 4 accessory shoe
- 5 flush lens
- 6 rewind handle (rewind, rewind crank)
- 7 miniature film cassette (135 film cassette, 35 mm cassette)
- 8 film spool
- 9 film with leader
- 10 cassette slit (cassette exit slot)
- 11 cartridge-loading camera
- 12 shutter release (shutter release button)
- 13 flash cube contact
- 14 rectangular viewfinder
- 15 126 cartridge (instamatic cartridge)
- 16 pocket camera (subminiature camera)
- 17 110 cartridge (subminiature cartridge)
- 18 film window
- 19 120 rollfilm
- 20 rollfilm spool
- 21 backing paper
- 22 twin-lens reflex camera
- 23 folding viewfinder hood (focusing hood)
- 24 meter cell
- 25 viewing lens
- 26 object lens
- 27 spool knob
- 28 distance setting (focus setting)
- 29 exposure meter using needle-matching system
- 30 flash contact
- 31 shutter release
- 32 film transport (film advance, film wind)
- 33 flash switch
- 34 aperture-setting control
- 35 shutter speed control
- 36 large format hand camera (press camera)
- 37 grip (handgrip)
- 38 cable release
- 39 distance-setting ring (focusing ring)
- 40 rangefinder window
- 41 multiple-frame viewfinder (universal viewfinder)
- 42 tripod
- 43 tripod leg
- 44 tubular leg
- 45 rubber foot
- 46 central column
- 47 ball and socket head
- 48 cine camera pan and tilt head
- 49 large-format folding camera
- 50 optical bench
- 51 standard adjustment
- 52 lens standard
- 53 bellows
- 54 camera back
- 55 back standard adjustment
- 56 hand-held exposure meter (exposure meter)
- 57 calculator dial
- 58 scales (indicator scales) with indicator needle (pointer)
- 59 range switch (high/low range selector)
- 60 diffuser for incident light measurement
- 61 probe exposure meter for large-format cameras
- 62 meter
- 63 probe
- 64 dark slide
- 65 battery-portable electronic flash (battery-portable electronic flash unit)
- 66 powerpack unit (battery)
- 67 flash head
- 68 single-unit electronic flash (flashgun)
- 69 swivel-mounted reflector
- 70 photodiode
- 71 foot
- 72 hot-shoe contact
- 73 flash cube unit
- 74 flash cube
- 75 flash bar
- 76 slide projector
- 77 rotary magazine

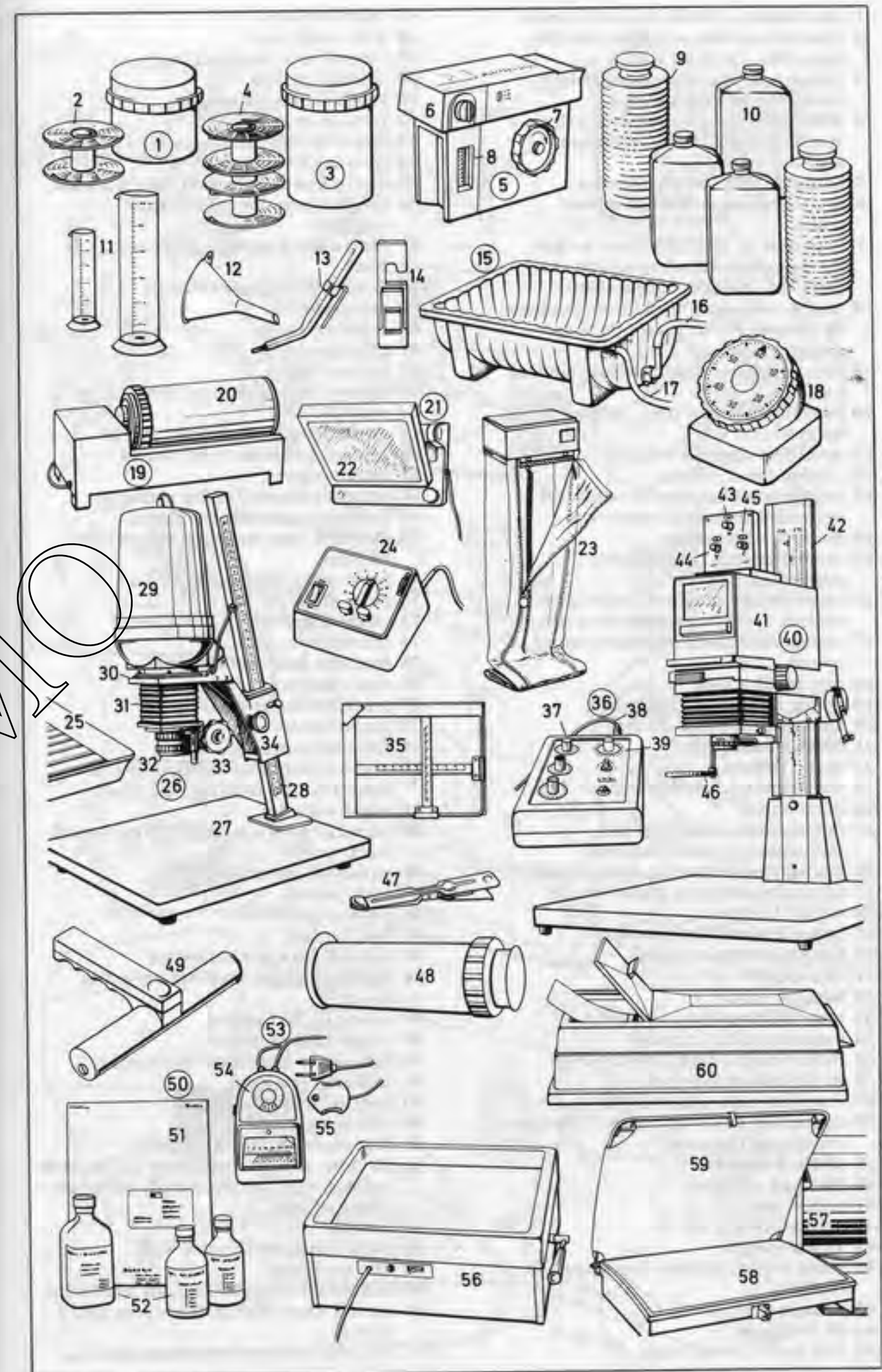
- 1-105 system camera
 1 miniature single-lens reflex camera
 2 camera body
 3-8 lens, a normal lens (standard lens)
 3 lens barrel
 4 distance scale in metres and feet
 5 aperture ring (aperture-setting ring, aperture control ring)
 6 front element mount with filter mount
 7 front element
 8 focusing ring (distance-setting ring)
 9 ring for the carrying strap
 10 battery chamber
 11 screw-in cover
 12 rewind handle (rewind, rewind crank)
 13 battery switch
 14 flash socket for F and X contact
 15 self-time lever (setting lever for the self-timer, setting lever for the delayed-action release)
 16 single-stroke film advance lever
 17 exposure counter (frame counter)
 18 shutter release (shutter release button)
 19 shutter speed setting knob (shutter speed control)
 20 accessory shoe
 21 hot-shoe flash contact
 22 viewfinder eyepiece with correcting lens
 23 camera back
 24 pressure plate
 25 take-up spool of the rapid-loading system
 26 transport sprocket
 27 rewind release button (reversing clutch)
 28 film window
 29 rewind cam
 30 tripod socket (tripod bush)
 31 reflex system (mirror reflex system)
 32 lens
 33 reflex mirror
 34 film window
 35 path of the image beam
 36 path of the sample beam
 37 meter cell
 38 auxiliary mirror
 39 focusing screen
 40 field lens
 41 pentaprism
 42 eyepiece
 43-105 system of accessories
 43 interchangeable lenses
 44 fisheye lens (fisheye)
 45 wide-angle lens (short focal length lens)
 46 normal lens (standard lens)
 47 medium focal length lens
 48 telephoto lens (long focal length lens)
 49 long-focus lens
 50 mirror lens
 51 viewfinder image
 52 signal to switch to manual control
 53 matt collar (ground glass collar)
 54 microprism collar
 55 split-image rangefinder (focusing wedges)
 56 aperture scale
 57 exposure meter needle
 58-66 interchangeable focusing screens
 58 all-matt screen (ground glass screen) with microprism spot
 59 all-matt screen (ground glass screen) with microprism spot and split-image rangefinder
 60 all-matt screen (ground glass screen) without focusing aids
 61 matt screen (ground glass screen) with reticule
 62 microprism spot for lenses with a large aperture
 63 microprism spot for lenses with an aperture of $f = 1:3.5$ or larger
 64 Fresnel lens with matt collar (ground glass collar) and split-image rangefinder
 65 all-matt screen (ground glass screen) with finely matted central spot and graduated markings
 66 matt screen (ground glass screen) with clear spot and double cross hairs

- 67 data recording back for exposing data about shots
 68 viewfinder hood (focusing hood)
 69 interchangeable pentaprism viewfinder
 70 pentaprism
 71 right-angle viewfinder
 72 correction lens
 73 eyecup
 74 focusing telescope
 75 battery unit
 76 combined battery holder and control grip for the motor drive
 77 rapid-sequence camera
 78 attachable motor drive
 79 external (outside) power supply
 80 ten meter film back (magazine back)
 81-98 close-up and macro equipment
 81 extension tube
 82 adapter ring
 83 reversing ring
 84 lens in retrofocus position
 85 bellows unit (extension bellows, close-up bellows attachment)
 86 focusing stage
 87 slide-copying attachment
 88 slide-copying adapter
 89 micro attachment (photomicroscope adapter)
 90 copying stand (copy stand, copypod)
 91 spider legs
 92 copying stand (copy stand)
 93 arm of the copying stand (copy stand)
 94 macrophoto stand
 95 stage plates for the macrophoto stand
 96 insertable disc (disk)
 97 Lieberkühn reflector
 98 mechanical stage
 99 table tripod (table-top tripod)
 100 rifle grip
 101 cable release
 102 double cable release
 103 camera case (ever-ready case)
 104 lens case
 105 soft-leather lens pouch



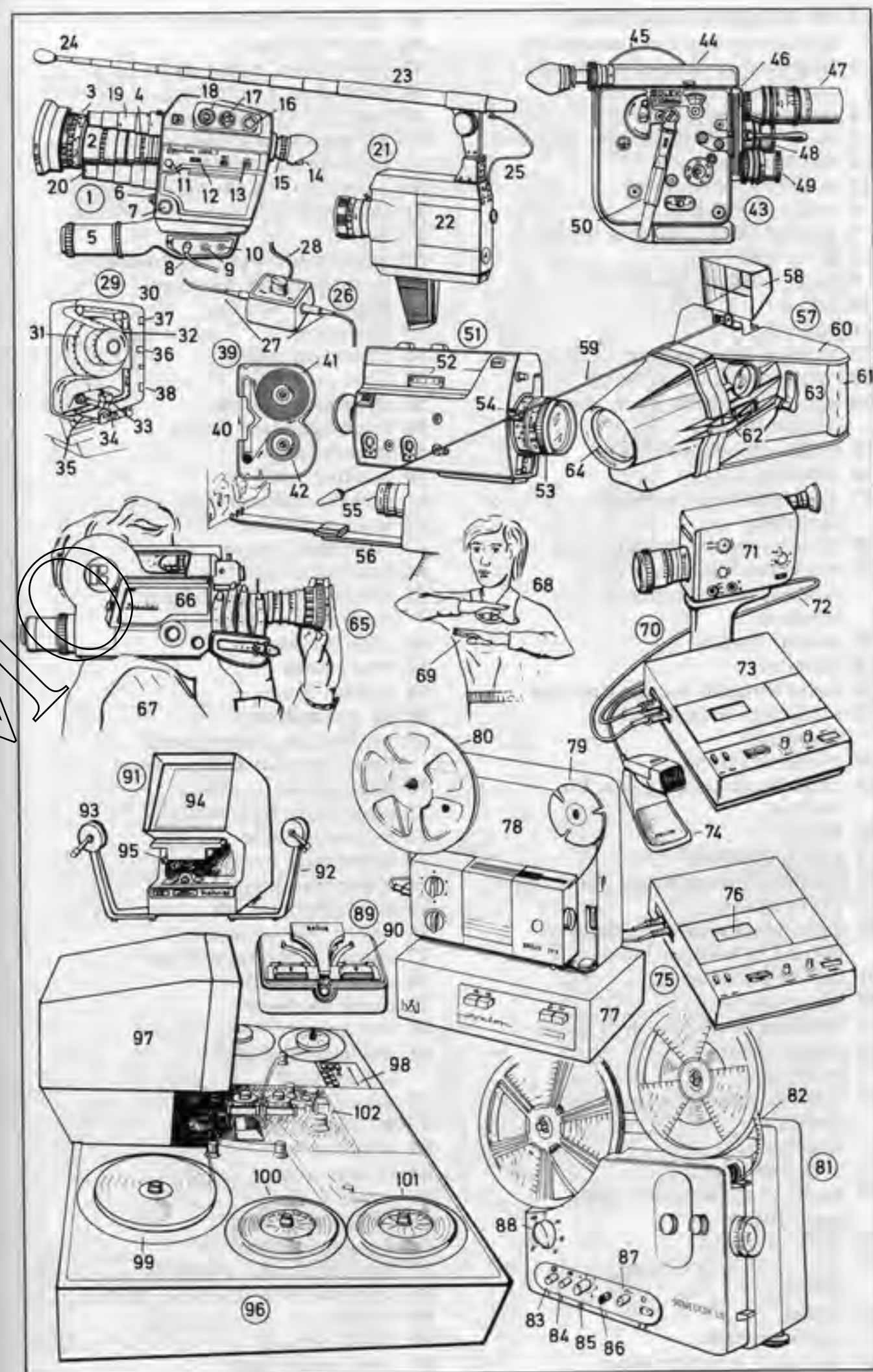
1-60 darkroom equipment

- 1 developing tank
- 2 spiral (developing spiral, tank reel)
- 3 multi-unit developing tank
- 4 multi-unit tank spiral
- 5 daylight-loading tank
- 6 loading chamber
- 7 film transport handle
- 8 developing tank thermometer
- 9 collapsible bottle for developing solution
- 10 chemical bottles for first developer, stop bath, colour developer, bleach-hardener, stabilizer
- 11 measuring cylinders
- 12 funnel
- 13 tray thermometer (dish thermometer)
- 14 film clip
- 15 wash tank (washer)
- 16 water supply pipe
- 17 water outlet pipe
- 18 laboratory timer (timer)
- 19 automatic film agitator
- 20 developing tank
- 21 darkroom lamp (safelight)
- 22 filter screen
- 23 film drier (drying cabinet)
- 24 exposure timer
- 25 developing dish (developing tray)
- 26 enlarger
- 27 baseboard
- 28 angled column
- 29 lamphouse (lamp housing)
- 30 negative carrier
- 31 bellows
- 32 lens
- 33 friction drive for fine adjustment
- 34 height adjustment (scale adjustment)
- 35 masking frame (easel)
- 36 colour (*Am. color*) analyser
- 37 colour (*Am. color*) analyser lamp
- 38 probe lead
- 39 exposure time balancing knob
- 40 colour (*Am. color*) enlarger
- 41 enlarger head
- 42 column
- 43-45 colour-mixing (*Am. color-mixing*) knob
- 43 magenta filter adjustment (minus green filter adjustment)
- 44 yellow filter adjustment (minus blue filter adjustment)
- 45 cyan filter adjustment (minus red filter adjustment)
- 46 red swing filter
- 47 print tongs
- 48 processing drum
- 49 squeegee
- 50 range (assortment) of papers
- 51 colour (*Am. color*) printing paper, a packet of photographic printing paper
- 52 colour (*Am. color*) chemicals (colour processing chemicals)
- 53 enlarging meter (enlarging photometer)
- 54 adjusting knob with paper speed scale
- 55 probe
- 56 semi-automatic thermostatically controlled developing dish
- 57 rapid print drier (heated print drier)
- 58 glazing sheet
- 59 pressure cloth
- 60 automatic processor (machine processor)

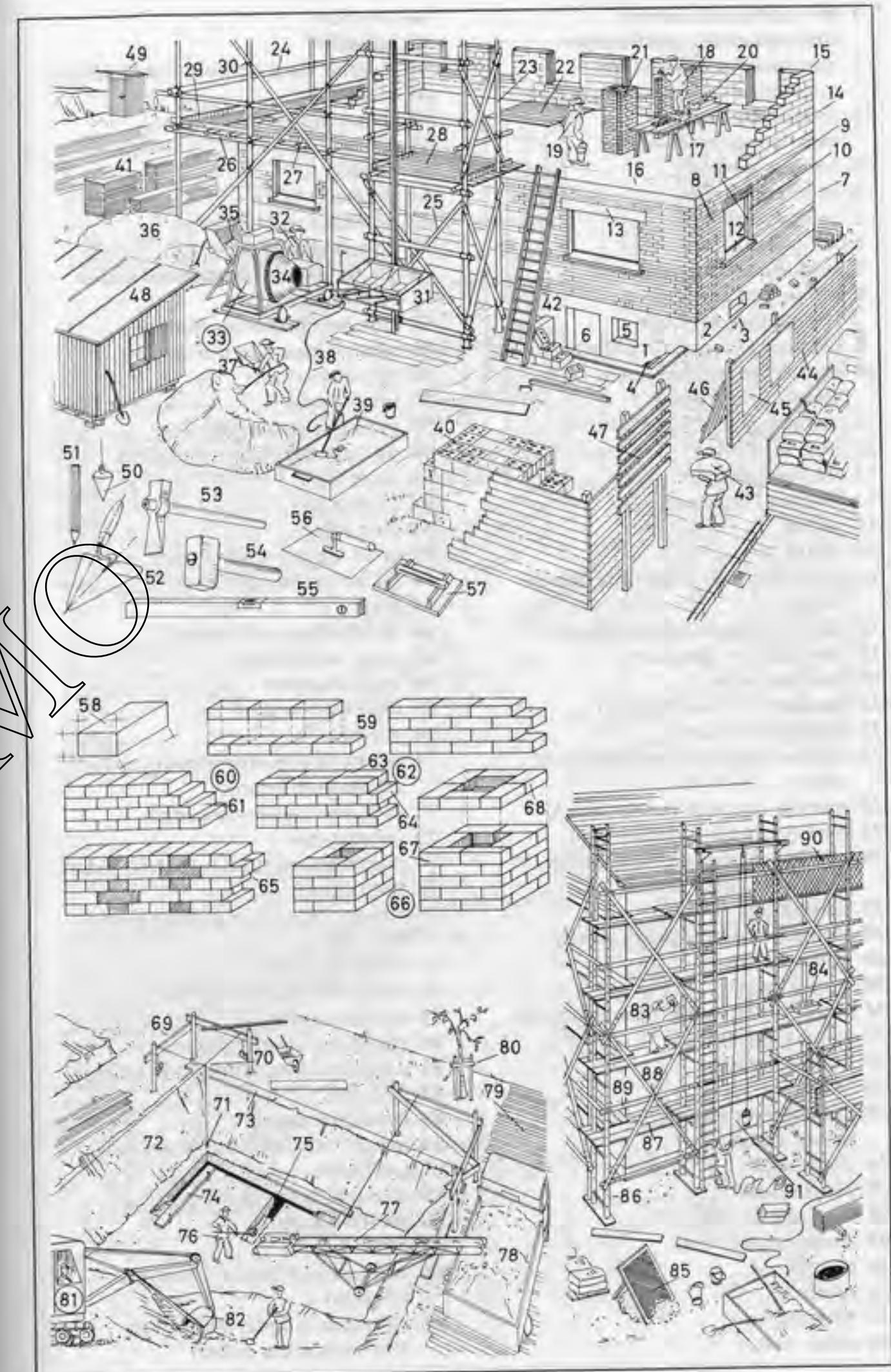


- 1 cine camera, a Super-8 sound camera
- 2 interchangeable zoom lens (variable focus lens, varifocal lens)
- 3 distance setting (focus setting) and manual focal length setting
- 4 aperture ring (aperture-setting ring, aperture control ring) for manual aperture setting
- 5 handgrip with battery chamber
- 6 shutter release with cable release socket
- 7 pilot tone or pulse generator socket for the sound recording equipment (with the dual film-tape system)
- 8 sound connecting cord for microphone or external sound source (in single-system recording)
- 9 remote control socket (remote control jack)
- 10 headphone socket (*sim.*: earphone socket)
- 11 autofocus override switch
- 12 filming speed selector
- 13 sound recording selector switch for automatic or manual operation
- 14 eyepiece with eyecup
- 15 diopter control ring (dioptric adjustment ring)
- 16 recording level control (audio level control, recording sensitivity selector)
- 17 manual/automatic exposure control switch
- 18 film speed setting
- 19 power zooming arrangement
- 20 automatic aperture control
- 21 sound track system
- 22 sound camera
- 23 telescopic microphone boom
- 24 microphone
- 25 microphone connecting lead (microphone connecting cord)
- 26 mixing console (mixing desk, mixer)
- 27 inputs from various sound sources
- 28 output to camera
- 29 Super-8 sound film cartridge
- 30 film gate of the cartridge
- 31 feed spool
- 32 take-up spool
- 33 recording head (sound head)
- 34 transport roller (capstan)
- 35 rubber pinch roller (capstan idler)
- 36 guide step (guide notch)
- 37 exposure meter control step
- 38 conversion filter step (colour, *Am.* color, conversion filter step)
- 39 single-8 cassette
- 40 film gate opening
- 41 unexposed film
- 42 exposed film
- 43 16 mm camera
- 44 reflex finder (through-the-lens reflex finder)
- 45 magazine
- 46-49 lens head
- 46 lens turret (turret head)

- 47 telephoto lens
- 48 wide-angle lens
- 49 normal lens (standard lens)
- 50 winding handle
- 51 compact Super-8 camera
- 52 footage counter
- 53 macro zoom lens
- 54 zooming lever
- 55 macro lens attachment (close-up lens)
- 56 macro frame (mount for small originals)
- 57 underwater housing (underwater case)
- 58 direct-vision frame finder
- 59 measuring rod
- 60 stabilizing wing
- 61 grip (handgrip)
- 62 locking bolt
- 63 control lever (operating lever)
- 64 porthole
- 65 synchronization start (sync start)
- 66 professional press-type camera
- 67 cameraman
- 68 camera assistant (sound assistant)
- 69 handclap marking sync start
- 70 dual film-tape recording using a tape recorder
- 71 pulse-generating camera
- 72 pulse cable
- 73 cassette recorder
- 74 microphone
- 75 dual film-tape reproduction
- 76 tape cassette
- 77 synchronization unit
- 78 cine projector
- 79 film feed spool
- 80 take-up reel (take-up spool), an automatic take-up reel (take-up spool)
- 81 sound projector
- 82 sound film with magnetic stripe (sound track, track)
- 83 automatic-threading button
- 84 trick button
- 85 volume control
- 86 reset button
- 87 fast and slow motion switch
- 88 forward, reverse, and still projection switch
- 89 splicer for wet splices
- 90 hinged clamping plate
- 91 film viewer (animated viewer editor)
- 92 foldaway reel arm
- 93 rewind handle (rewinder)
- 94 viewing screen
- 95 film perforator (film marker)
- 96 six-turn-able film and sound cutting table (editing table, cutting bench, animated sound editor)
- 97 monitor
- 98 control buttons (control well)
- 99 film turntable
- 100 first sound turntable, e.g. for live sound
- 101 second sound turntable for post-sync sound
- 102 film and tape synchronizing head

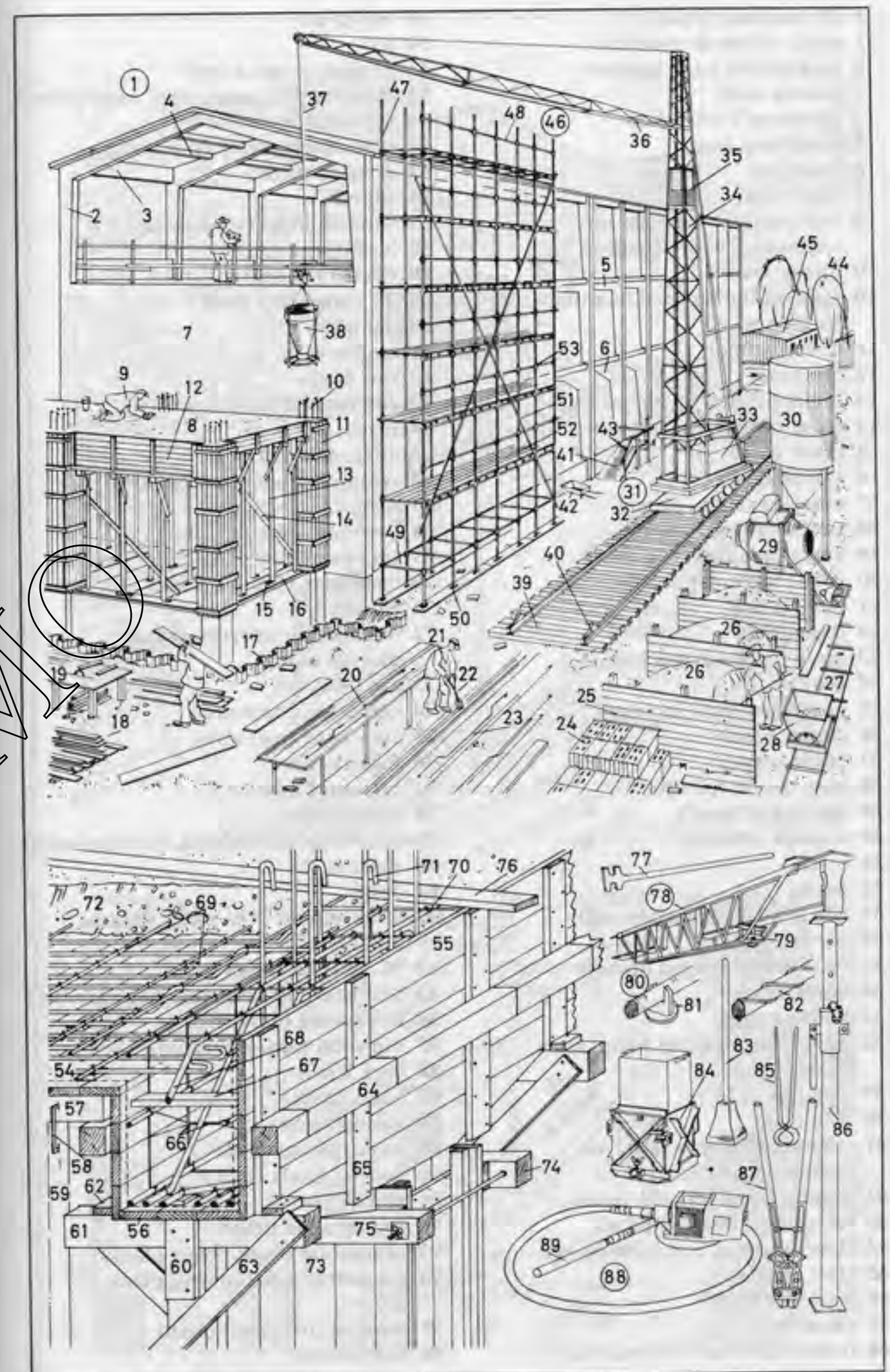


- 1-49 carcass (carcass, fabric)
[house construction, carcassing]
- 1 basement of tamped (rammed) concrete
- 2 concrete base course
- 3 cellar window (basement window)
- 4 outside cellar steps
- 5 utility room window
- 6 utility room door
- 7 ground floor (*Am.* first floor)
- 8 brick wall
- 9 lintel (window head)
- 10 reveal
- 11 jamb
- 12 window ledge (window sill)
- 13 reinforced concrete lintel
- 14 upper floor (first floor, *Am.* second floor)
- 15 hollow-block wall
- 16 concrete floor
- 17 work platform (working platform)
- 18 bricklayer (*Am.* brickmason)
- 19 bricklayer's labourer (*Am.* laborer); *also*: builder's labourer
- 20 mortar trough
- 21 chimney
- 22 cover (boards) for the staircase
- 23 scaffold pole (scaffold standard)
- 24 platform railing
- 25 angle brace (angle tie) in the scaffold
- 26 ledger
- 27 putlog (putlock)
- 28 plank platform (board platform)
- 29 guard board
- 30 scaffolding joint with chain or lashing or whip or bond
- 31 builder's hoist
- 32 mixer operator
- 33 concrete mixer, a gravity mixer
- 34 mixing drum
- 35 feeder skip
- 36 concrete aggregate [sand and gravel]
- 37 wheelbarrow
- 38 hose (hosepipe)
- 39 mortar pan (mortar trough, mortar tub)
- 40 stack of bricks
- 41 stacked shutter boards (lining boards)
- 42 ladder
- 43 bag of cement
- 44 site fence, a timber fence
- 45 signboard (billboard)
- 46 removable gate
- 47 contractors' name plates
- 48 site hut (site office)
- 49 building site latrine
- 50-57 bricklayer's (*Am.* brickmason's) tools
- 50 plumb bob (plummet)
- 51 thick lead pencil
- 52 trowel
- 53 bricklayer's (*Am.* brickmason's) hammer (brick hammer)
- 54 mallet
- 55 spirit level
- 56 laying-on trowel
- 57 float
- 58-68 masonry bonds
- 58 brick (standard brick)
- 59 stretching bond
- 60 heading bond
- 61 racking (raking) back
- 62 English bond
- 63 stretching course
- 64 heading course
- 65 English cross bond (Saint Andrew's cross bond)
- 66 chimney bond
- 67 first course
- 68 second course
- 69-82 excavation
- 69 profile (*Am.* batterboard) [fixed on edge at the corner]
- 70 intersection of strings
- 71 plumb bob (plummet)
- 72 excavation side
- 73 upper edge board
- 74 lower edge board
- 75 foundation trench
- 76 navy (*Am.* excavator)
- 77 conveyor belt (conveyor)
- 78 excavated earth
- 79 plank roadway
- 80 tree guard
- 81 mechanical shovel (excavator)
- 82 shovel bucket (bucket)
- 83-91 plastering
- 83 plasterer
- 84 mortar trough
- 85 screen
- 86-89 ladder scaffold
- 86 standard ladder
- 87 boards (planks, platform)
- 88 diagonal strut (diagonal brace)
- 89 railing
- 90 guard netting
- 91 rope-pulley hoist

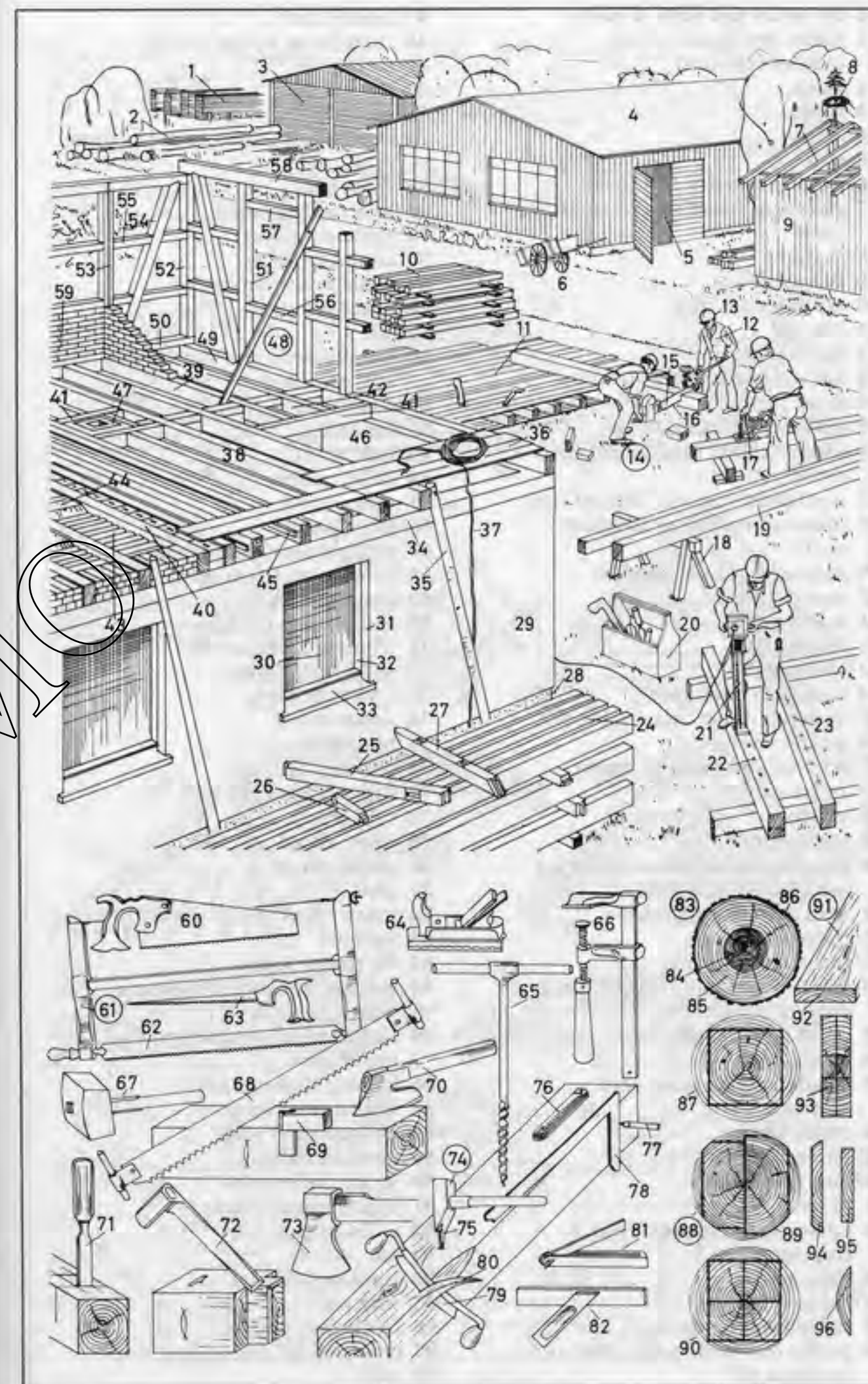


- 1-89 reinforced concrete (ferroconcrete) construction
- 1 reinforced concrete (ferroconcrete) skeleton construction
- 2 reinforced concrete (ferroconcrete) frame
- 3 inferior purlin
- 4 concrete purlin
- 5 ceiling joist
- 6 arch (flank)
- 7 rubble concrete wall
- 8 reinforced concrete (ferroconcrete) floor
- 9 concreter (concretor), flattening out
- 10 projecting reinforcement (*Am.* connection rebars)
- 11 column box
- 12 joist shuttering
- 13 shuttering strut
- 14 diagonal bracing
- 15 wedge
- 16 board
- 17 sheet pile wall (sheet pile, sheet piling)
- 18 shutter boards (lining boards)
- 19 circular saw (buzz saw)
- 20 bending table
- 21 bar bender (steel bender)
- 22 hand steel shears
- 23 reinforcing steel (reinforcement rods)
- 24 pumice concrete hollow block
- 25 partition wall, a timber wall
- 26 concrete aggregate [gravel and sand of various grades]
- 27 crane track
- 28 tipping wagon (tipping truck)
- 29 concrete mixer
- 30 cement silo
- 31 tower crane (tower slewing crane)
- 32 bogie (*Am.* truck)
- 33 counterweight
- 34 tower
- 35 crane driver's cabin (crane driver's cage)
- 36 jib (boom)
- 37 bearer cable
- 38 concrete bucket
- 39 sleepers (*Am.* ties)
- 40 chock
- 41 ramp
- 42 wheelbarrow
- 43 safety rail

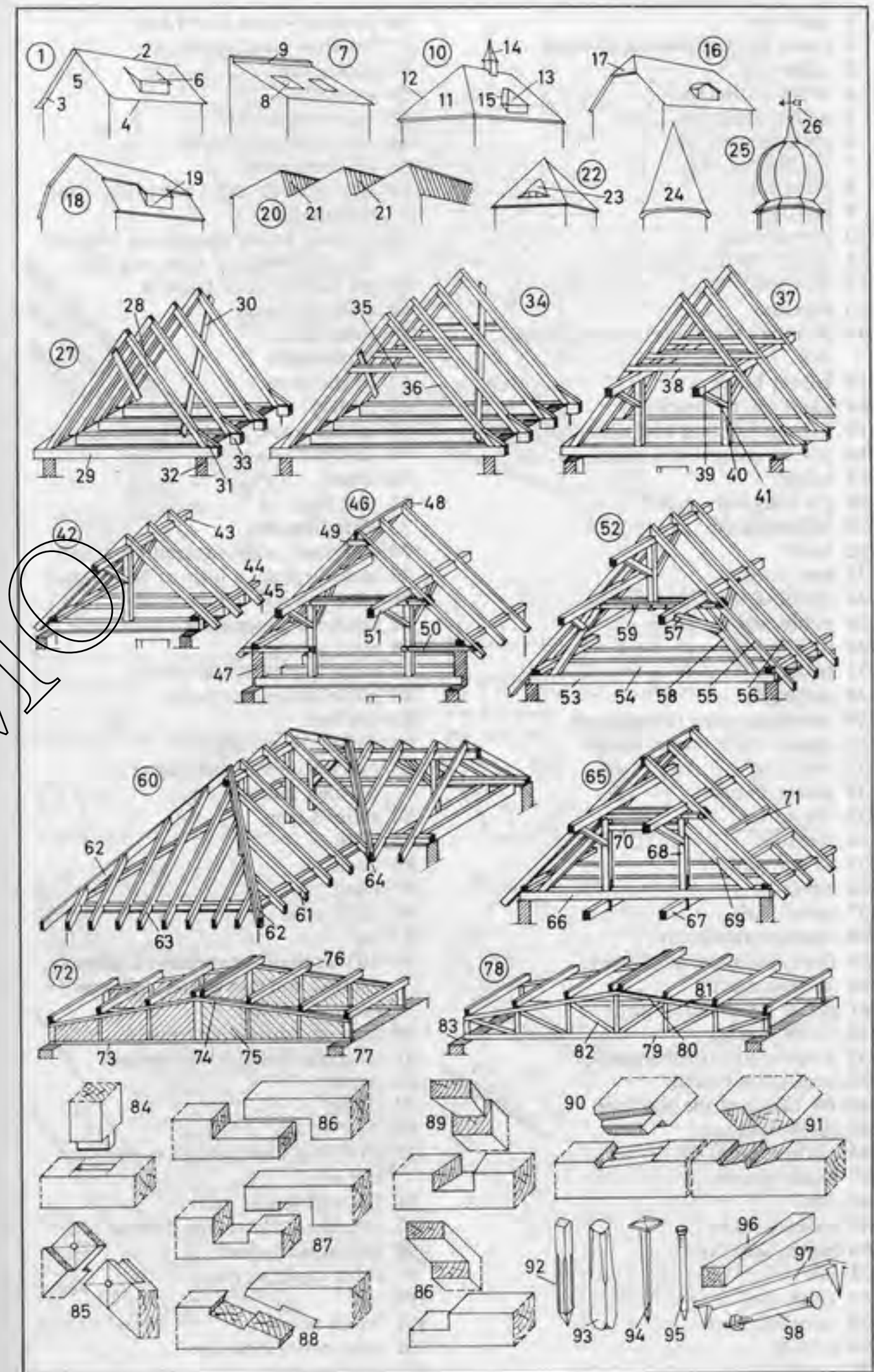
- 44 site hut
- 45 canteen
- 46 tubular steel scaffold (scaffolding)
- 47 standard
- 48 ledger tube
- 49 tie tube
- 50 shoe
- 51 diagonal brace
- 52 planking (platform)
- 53 coupling (coupler)
- 54-76 formwork (shuttering) and reinforcement
- 54 bottom shuttering (lining)
- 55 side shutter of a purlin
- 56 cut-in bottom
- 57 cross beam
- 58 cramp iron (cramp, dog)
- 59 upright member, a standard
- 60 strap
- 61 cross piece
- 62 stop fillet
- 63 strut (brace, angle brace)
- 64 frame timber (yoke)
- 65 strap
- 66 reinforcement binding
- 67 cross strut (strut)
- 68 reinforcement
- 69 distribution steel
- 70 stirrup
- 71 projecting reinforcement (*Am.* connection rebars)
- 72 concrete (heavy concrete)
- 73 column box
- 74 bolted frame timber (bolted yoke)
- 75 nut (thumb nut)
- 76 shutter board (shuttering board)
- 77-89 tools
- 77 bending iron
- 78 adjustable service girder
- 79 adjusting screw
- 80 round bar reinforcement
- 81 distance piece (separator, spacer)
- 82 Torsteel
- 83 concrete tamper
- 84 mould (*Am.* mold) for concrete test cubes
- 85 concreter's tongs
- 86 sheeting support
- 87 hand shears
- 88 immersion vibrator (concrete vibrator)
- 89 vibrating cylinder (vibrating head, vibrating poker)



- 1-59 carpenter's yard
 1 stack of boards (planks)
 2 long timber (*Am.* lumber)
 3 sawing shed
 4 carpenter's workshop
 5 workshop door
 6 handcart
 7 roof truss
 8 tree [used for topping out ceremony], with wreath
 9 timber wall
 10 squared timber (building timber, scantlings)
 11 drawing floor
 12 carpenter
 13 safety helmet
 14 cross-cut saw, a chain saw
 15 chain guide
 16 saw chain
 17 mortiser (chain cutter)
 18 trestle (horse)
 19 beam mounted on a trestle
 20 set of carpenter's tools
 21 electric drill
 22 dowel hole
 23 mark for the dowel hole
 24 beams
 25 post (stile, stud, quarter)
 26 corner brace
 27 brace (strut)
 28 base course (plinth)
 29 house wall (wall)
 30 window opening
 31 reveal
 32 jamb
 33 window ledge (window sill)
 34 cornice
 35 roundwood (round timber)
 36 floorboards
 37 hoisting rope
 38 ceiling joist (ceiling beam, main beam)
 39 wall joist
 40 wall plate
 41 trimmer (trimmer joist, *Am.* header, header joist)
 42 dragon beam (dragon piece)
 43 false floor (inserted floor)
 44 floor filling of breeze, loam, etc.
 45 fillet (cleat)
 46 stair well (well)
 47 chimney
 48 framed partition (framed wall)
 49 wall plate
 50 girt
 51 window jamb, a jamb
 52 corner stile (corner strut, corner stud)
 53 principal post
 54 brace (strut) with skew notch
 55 nogging piece
 56 sill rail
 57 window lintel (window head)
 58 head (head rail)
 59 filled-in panel (bay, pan)
 60-82 carpenter's tools
 60 hand saw
 61 bucksaw
 62 saw blade
 63 compass saw (keyhole saw)
 64 plane
 65 auger (gimlet)
 66 screw clamp (cramp, holdfast)
 67 mallet
 68 two-handed saw
 69 try square
 70 broad axe (*Am.* broadax)
 71 chisel
 72 mortise axe (mortice axe, *Am.* mortise ax)
 73 axe (*Am.* ax)
 74 carpenter's hammer
 75 claw head (nail claw)
 76 folding rule
 77 carpenter's pencil
 78 iron square
 79 drawknife (drawshave, drawing knife)
 80 shaving
 81 bevel
 82 mitre square (*Am.* miter square, miter angle)
 83-96 building timber
 83 undressed timber (*Am.* rough lumber)
 84 heartwood (duramen)
 85 sapwood (sap, alburnum)
 86 bark (rind)
 87 baulk (balk)
 88 halved timber
 89 wane (waney edge)
 90 quarter baulk (balk)
 91 plank (board)
 92 end-grained timber
 93 heartwood plank (heart plank)
 94 unsquared (untrimmed) plank (board)
 95 squared (trimmed) board
 96 slab (offcut)

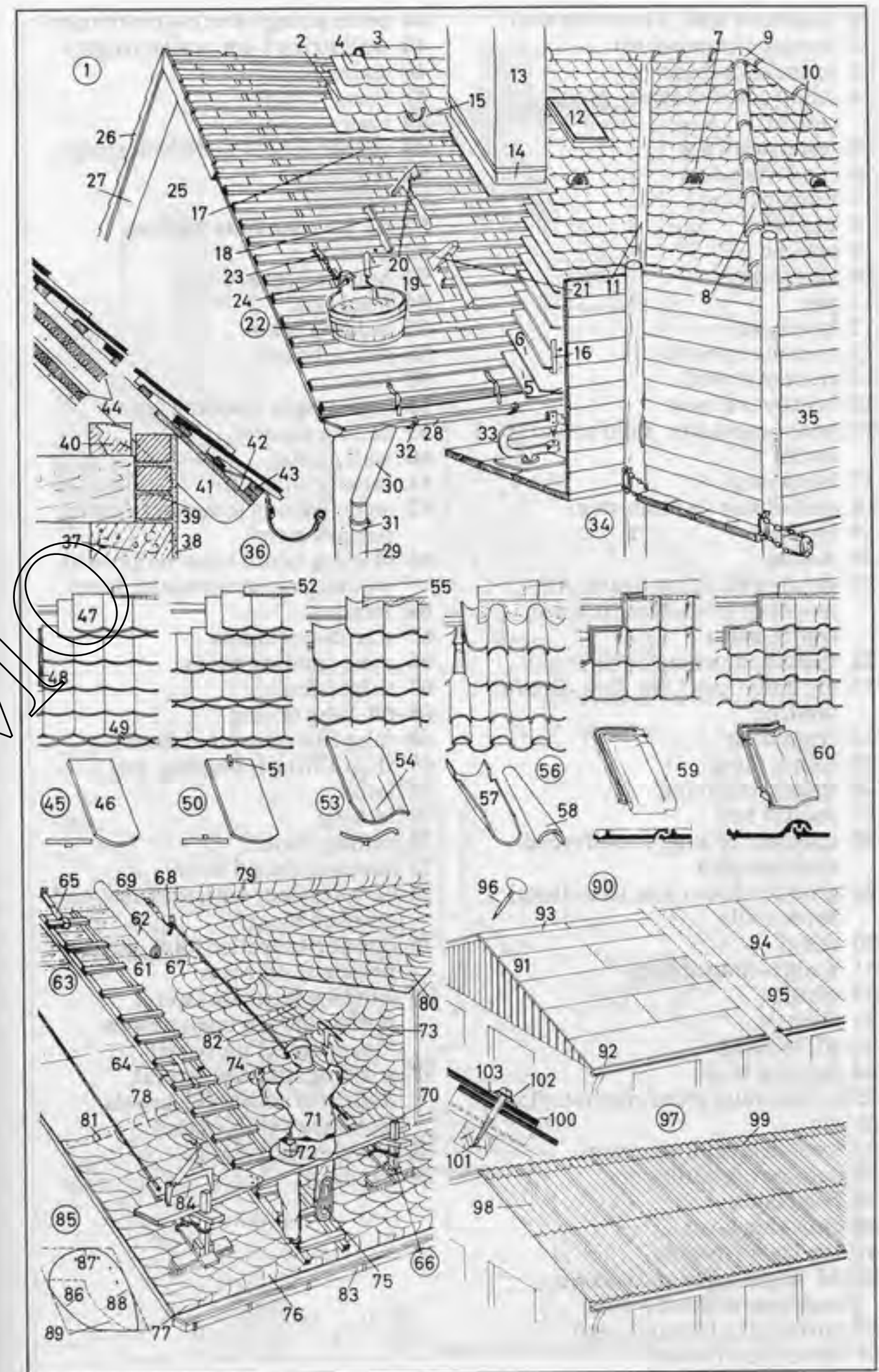


- 1-26 styles and parts of roofs
- 1 gable roof (saddle roof, saddleback roof)
- 2 ridge
- 3 verge
- 4 eaves
- 5 gable
- 6 dormer window (dormer)
- 7 pent roof (shed roof, lean-to roof)
- 8 skylight
- 9 fire gable
- 10 hip (hipped) roof
- 11 hip end
- 12 hip (arris)
- 13 hip (hipped) dormer window
- 14 ridge turret
- 15 valley (roof valley)
- 16 hipped-gable roof (jerkin head roof)
- 17 partial-hip (partial-hipped) end
- 18 mansard roof (*Am.* gambrel roof)
- 19 mansard dormer window
- 20 sawtooth roof
- 21 north light
- 22 broach roof
- 23 eyebrow
- 24 conical broach roof
- 25 imperial dome (imperial roof)
- 26 weather vane
- 27-83 roof structures of timber
- 27 rafter roof
- 28 rafter
- 29 roof beam
- 30 diagonal tie (cross tie, sprocket piece, cocking piece)
- 31 arris fillet (tilting fillet)
- 32 outer wall
- 33 beam head
- 34 collar beam roof (trussed-rafter roof)
- 35 collar beam (collar)
- 36 rafter
- 37 strutted collar beam roof structure
- 38 collar beams
- 39 purlin
- 40 post (stile, stud)
- 41 brace
- 42 unstrutted (king pin) roof structure
- 43 ridge purlin
- 44 inferior purlin
- 45 rafter head (rafter end)
- 46 purlin roof with queen post and pointing sill
- 47 pointing sill
- 48 ridge beam (ridge board)
- 49 simple tie
- 50 double tie
- 51 purlin
- 52 purlin roof structure with queen post
- 53 tie beam
- 54 joist (ceiling joist)
- 55 principal rafter
- 56 common rafter
- 57 angle brace (angle tie)
- 58 brace (strut)
- 59 ties
- 60 hip (hipped) roof with purlin roof structure
- 61 jack rafter
- 62 hip rafter
- 63 jack rafter
- 64 valley rafter
- 65 queen truss
- 66 main beam
- 67 summer (summer beam)
- 68 queen post (truss post)
- 69 brace (strut)
- 70 collar beam (collar)
- 71 trimmer (*Am.* header)
- 72 solid-web girder
- 73 lower chord
- 74 upper chord
- 75 boarding
- 76 purlin
- 77 supporting outer wall
- 78 roof truss
- 79 lower chord
- 80 upper chord
- 81 post
- 82 brace (strut)
- 83 support
- 84-98 timber joints
- 84 mortise (mortice) and tenon joint
- 85 forked mortise (mortice) and tenon joint
- 86 halving (halved) joint
- 87 simple scarf joint
- 88 oblique scarf joint
- 89 dovetail halving
- 90 single skew notch
- 91 double skew notch
- 92 wooden nail
- 93 pin
- 94 clout nail (clout)
- 95 wire nail
- 96 hardwood wedges
- 97 cramp iron (timber dog, dog)
- 98 bolt

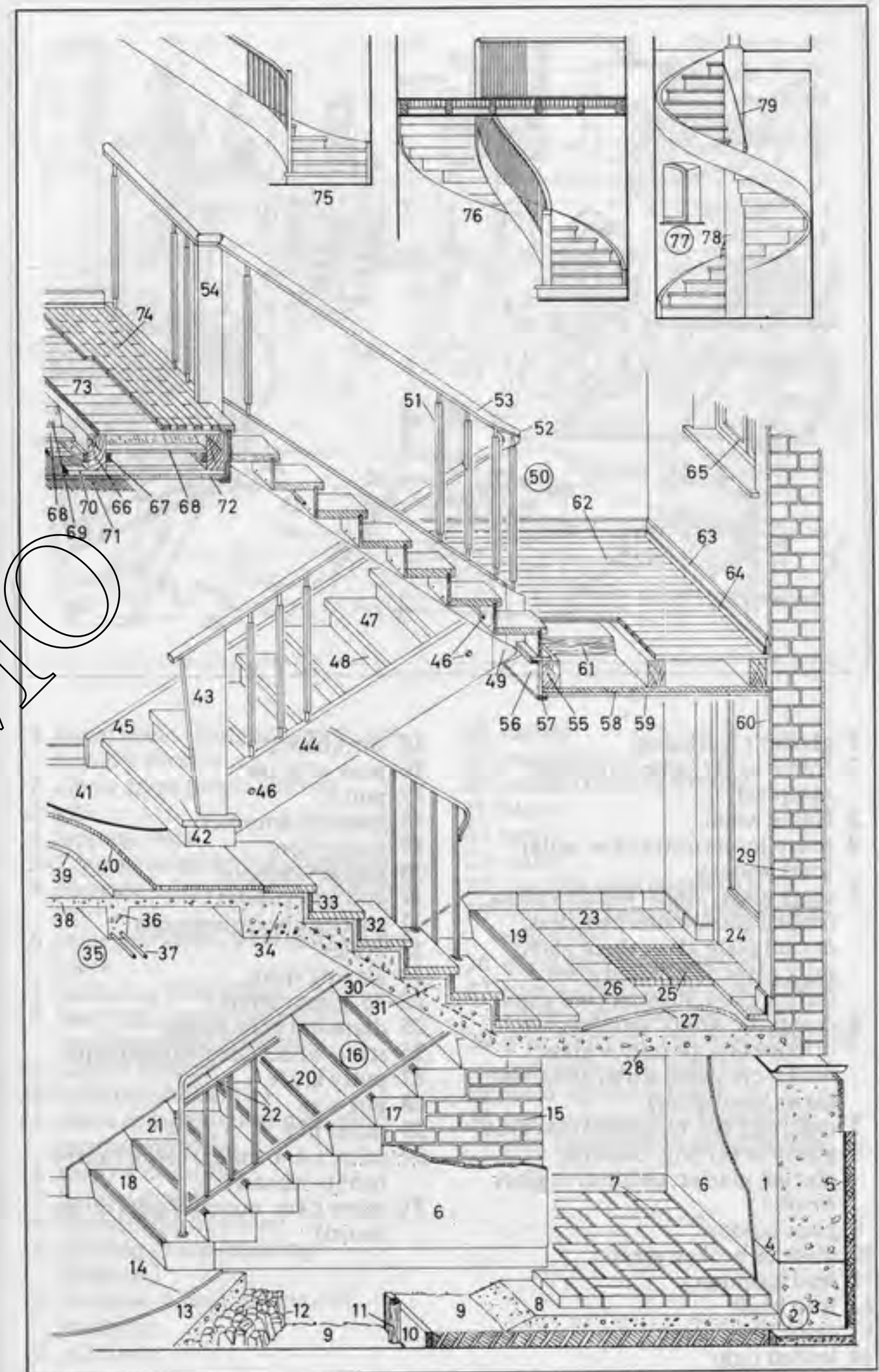


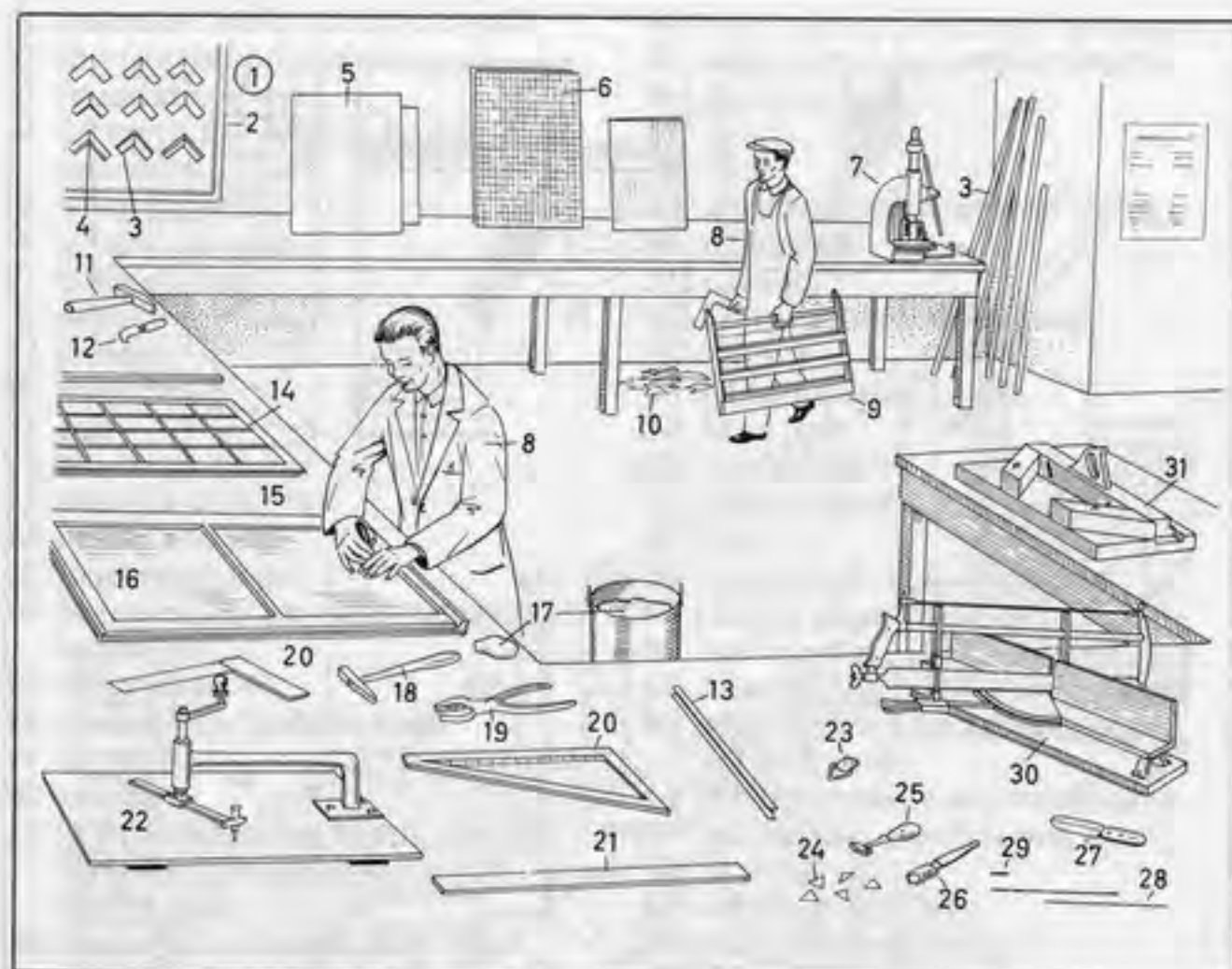
- 1 tiled roof
- 2 plain-tile double-lap roofing
- 3 ridge tile
- 4 ridge course tile
- 5 under-ridge tile
- 6 plain (plane) tile
- 7 ventilating tile
- 8 ridge tile
- 9 hip tile
- 10 hipped end
- 11 valley (roof valley)
- 12 skylight
- 13 chimney
- 14 chimney flashing, made of sheet zinc
- 15 ladder hook
- 16 snow guard bracket
- 17 battens (slating and tiling battens)
- 18 batten gauge (Am. gage)
- 19 rafter
- 20 tile hammer
- 21 lath axe (Am. ax)
- 22 hod
- 23 hod hook
- 24 opening (hatch)
- 25 gable (gable end)
- 26 toothed lath
- 27 soffit
- 28 gutter
- 29 rainwater pipe (downpipe)
- 30 swan's neck (swan-neck)
- 31 pipe clip
- 32 gutter bracket
- 33 tile cutter
- 34 scaffold
- 35 safety wall
- 36 eaves
- 37 outer wall
- 38 exterior rendering
- 39 frost-resistant brickwork
- 40 inferior purlin
- 41 rafter head (rafter end)
- 42 eaves fascia
- 43 double lath (tilting lath)
- 44 insulating boards
- 45-60 tiles and tile roofings
- 45 split-tiled roof
- 46 plain (plane) tile
- 47 ridge course
- 48 slip
- 49 eaves course
- 50 plain-tiled roof
- 51 nib
- 52 ridge tile
- 53 pantiled roof
- 54 pantile
- 55 pointing

- 56 Spanish-tiled roof (Am. mission-tiled roof)
- 57 under tile
- 58 over tile
- 59 interlocking tile
- 60 flat interlocking tile
- 61-89 slate roof
- 61 roof boards (roof boarding, roof sheathing)
- 62 roofing paper (sheathing paper); also: roofing felt (Am. rag felt)
- 63 cat ladder (roof ladder)
- 64 coupling hook
- 65 ridge hook
- 66 roof trestle
- 67 trestle rope
- 68 knot
- 69 ladder hook
- 70 scaffold board
- 71 slater
- 72 nail bag
- 73 slate hammer
- 74 slate nail, a galvanized wire nail
- 75 slater's shoe, a bast or hemp shoe
- 76 eaves course (eaves joint)
- 77 corner bottom slate
- 78 roof course
- 79 ridge course (ridge joint)
- 80 gable slate
- 81 tail line
- 82 valley (roof valley)
- 83 box gutter (trough gutter, parallel gutter)
- 84 slater's iron
- 85 slate
- 86 back
- 87 head
- 88 front edge
- 89 tail
- 90-103 asphalt-impregnated paper roofing and corrugated asbestos cement roofing
- 90 asphalt-impregnated paper roof
- 91 width [parallel to the gutter]
- 92 gutter
- 93 ridge
- 94 join
- 95 width [at right angles to the gutter]
- 96 felt nail (clout nail)
- 97 corrugated asbestos cement roof
- 98 corrugated sheet
- 99 ridge capping piece
- 100 lap
- 101 wood screw
- 102 rust-proof zinc cup
- 103 lead washer

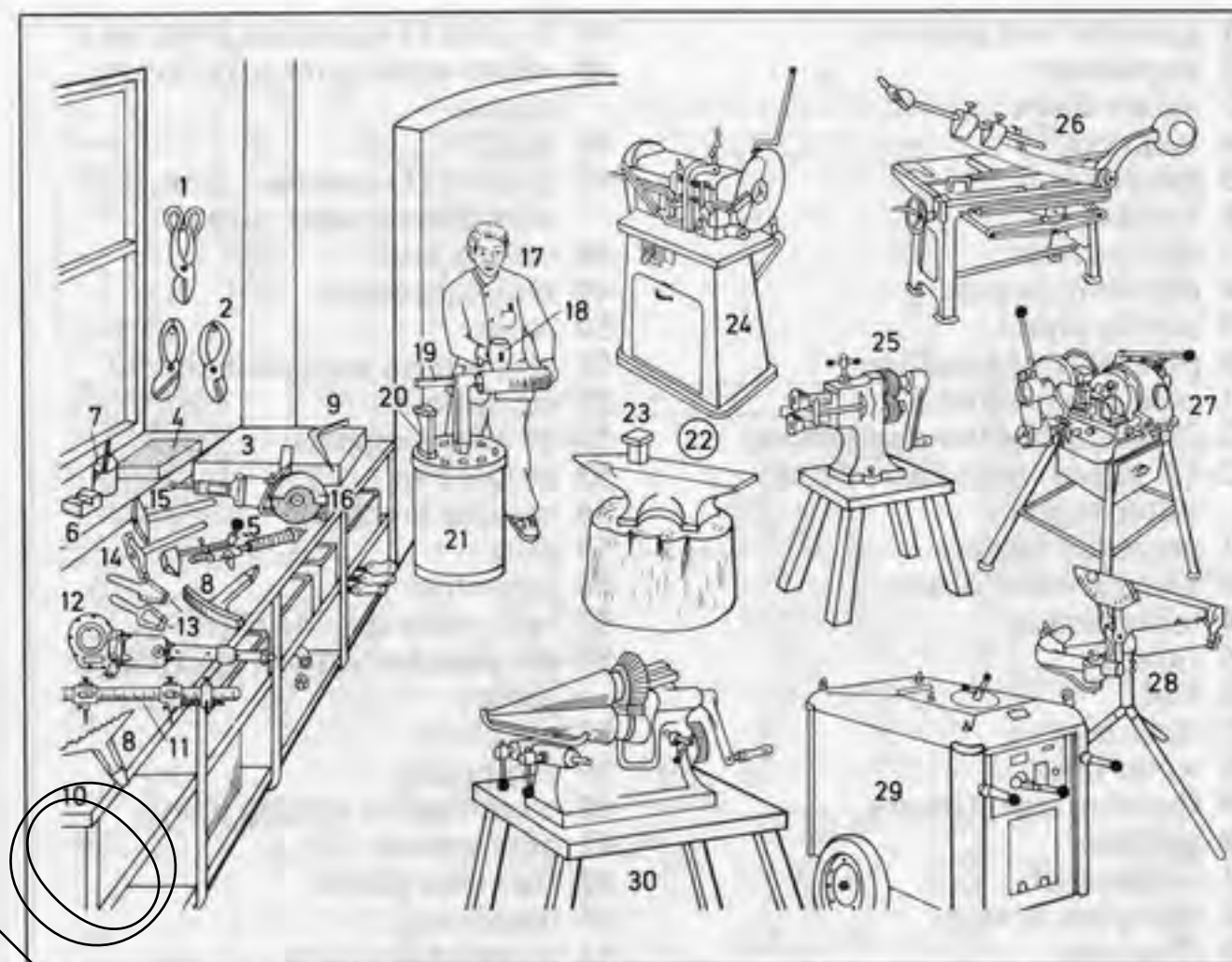


- 1 basement wall, a concrete wall
- 2 footing (foundation)
- 3 foundation base
- 4 damp course (damp-proof course)
- 5 waterproofing
- 6 rendering coat
- 7 brick paving
- 8 sand bed
- 9 ground
- 10 shuttering
- 11 peg
- 12 hardcore
- 13 oversite concrete
- 14 cement screed
- 15 brickwork base
- 16 basement stairs, solid concrete stairs
- 17 block step
- 18 curtail step (bottom step)
- 19 top step
- 20 nosing
- 21 skirting (skirting board, *Am.* mopboard, washboard, scrub board, base)
- 22 balustrade of metal bars
- 23 ground-floor (*Am.* first-floor) landing
- 24 front door
- 25 foot scraper
- 26 flagstone paving
- 27 mortar bed
- 28 concrete ceiling, a reinforced concrete slab
- 29 ground-floor (*Am.* first-floor) brick wall
- 30 ramp
- 31 wedge-shaped step
- 32 tread
- 33 riser
- 34-41 landing
- 34 landing beam
- 35 ribbed reinforced concrete floor
- 36 rib
- 37 steel-bar reinforcement
- 38 subfloor (blind floor)
- 39 level layer
- 40 finishing layer
- 41 top layer (screed)
- 42-44 dog-legged staircase, a staircase without a well
- 42 curtail step (bottom step)
- 43 newel post (newel)
- 44 outer string (*Am.* outer stringer)
- 45 wall string (*Am.* wall stringer)
- 46 staircase bolt
- 47 tread
- 48 riser
- 49 wreath piece (wreathed string)
- 50 balustrade
- 51 baluster
- 52-62 intermediate landing
- 52 wreath
- 53 handrail (guard rail)
- 54 head post
- 55 landing beam
- 56 lining board
- 57 fillet
- 58 lightweight building board
- 59 ceiling plaster
- 60 wall plaster
- 61 false ceiling
- 62 strip flooring (overlay flooring, parquet strip)
- 63 skirting board (*Am.* mopboard, washboard, scrub board, base)
- 64 beading
- 65 staircase window
- 66 main landing beam
- 67 fillet (cleat)
- 68-69 false ceiling
- 68 false floor (inserted floor)
- 69 floor filling (plugging, pug)
- 70 laths
- 71 lathing
- 72 ceiling plaster
- 73 subfloor (blind floor)
- 74 parquet floor with tongued-and-grooved blocks
- 75 quarter-newelled (*Am.* quarter-neweled) staircase
- 76 winding staircase (spiral staircase) with open newels (open-newel staircase)
- 77 winding staircase (spiral staircase) with solid newels (solid-newel staircase)
- 78 newel (solid newel)
- 79 handrail





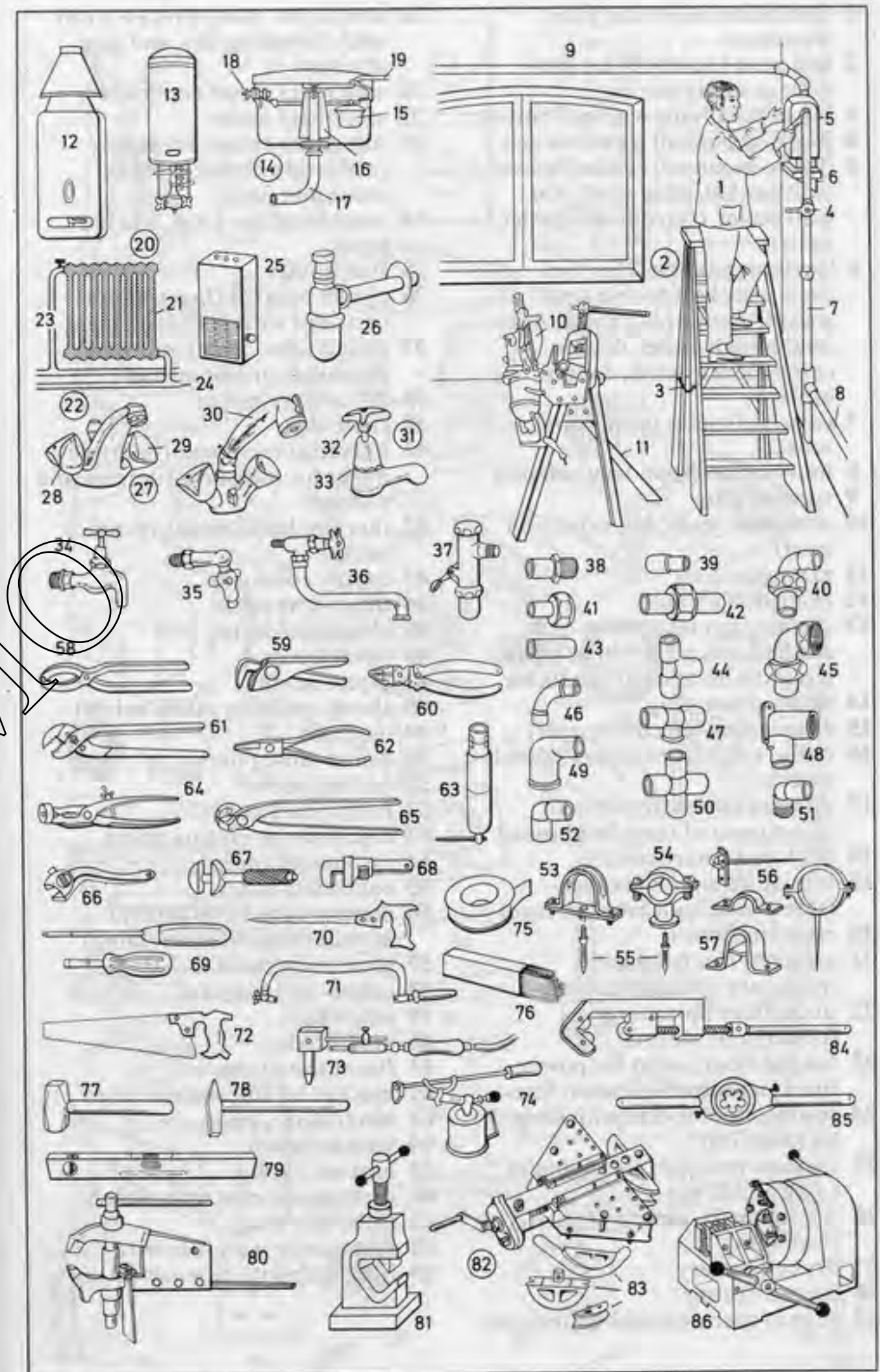
- | | |
|--|---|
| 1 glazier's workshop | 15 workbench |
| 2 frame wood samples (frame samples) | 16 pane of glass |
| 3 frame wood | 17 putty |
| 4 mitre joint (mitre, <i>Am.</i> miter joint, miter) | 18 glazier's hammer |
| 5 sheet glass; <i>kinds</i> : window glass, frosted glass, patterned glass, crystal plate glass, thick glass, milk glass, laminated glass (safety glass, shatterproof glass) | 19 glass pliers |
| 6 cast glass; <i>kinds</i> : stained glass, ornamental glass, raw glass, bull's-eye glass, wired glass, line glass (lined glass) | 20 glazier's square |
| 7 mitring (<i>Am.</i> mitering) machine | 21 glazier's rule |
| 8 glassworker (e.g. building glazier, glazier, decorative glass worker) | 22 glazier's beam compass |
| 9 glass holder | 23 eyelet |
| 10 piece of broken glass | 24 glazing sprig |
| 11 lead hammer | 25-26 glass cutters |
| 12 lead knife | 25 diamond glass cutter |
| 13 came (lead came) | 26 steel-wheel (steel) glass cutter |
| 14 leaded light | 27 putty knife |
| | 28 pin wire |
| | 29 panel pin |
| | 30 mitre (<i>Am.</i> miter) block (mitre box) [with saw] |
| | 31 mitre (<i>Am.</i> miter) shoot (mitre board) |



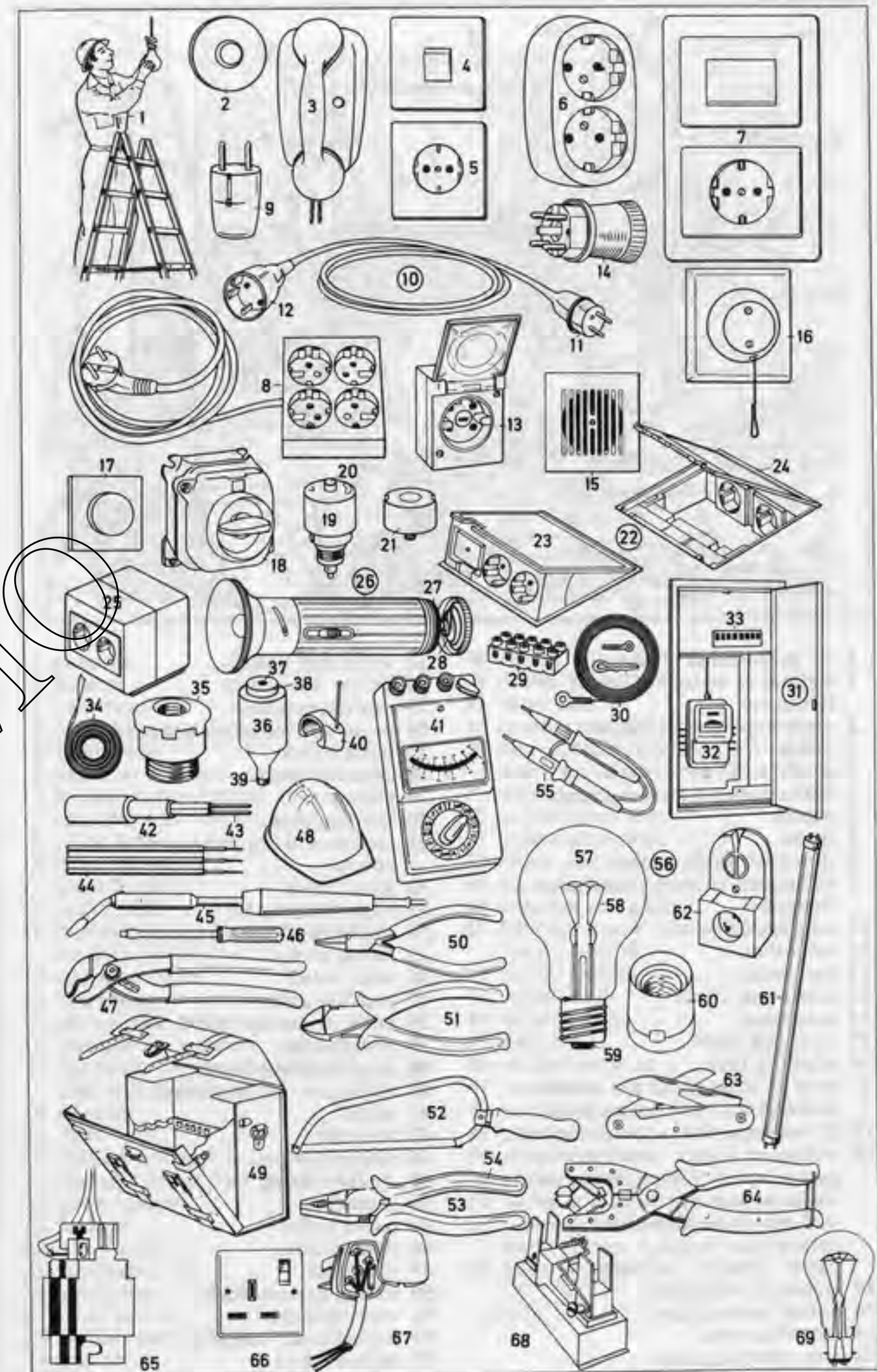
- | | |
|---|---|
| 1 metal shears (tinner's snips, <i>Am.</i> tinner's shears) | 18 mallet |
| 2 elbow snips (angle shears) | 19 mandrel |
| 3 gib | 20 socket (tinner's socket) |
| 4 lapping plate | 21 block |
| 5-7 propane soldering apparatus | 22 anvil |
| 5 propane soldering iron, a hatchet iron | 23 stake |
| 6 soldering stone, a sal-ammoniac block | 24 circular saw (buzz saw) |
| 7 soldering fluid (flux) | 25 flanging, swaging, and wiring machine |
| 8 beading iron for forming reinforcement beading | 26 sheet shears (guillotine) |
| 9 angled reamer | 27 screw-cutting machine (thread-cutting machine, die stocks) |
| 10 workbench (bench) | 28 pipe-bending machine (bending machine, pipe bender) |
| 11 beam compass (trammel, <i>Am.</i> beam trammel) | 29 welding transformer |
| 12 electric hand die | 30 bending machine (rounding machine) for shaping funnels |
| 13 hollow punch | |
| 14 chamfering hammer | |
| 15 beading swage (beading hammer) | |
| 16 abrasive-wheel cutting-off machine | |
| 17 plumber | |

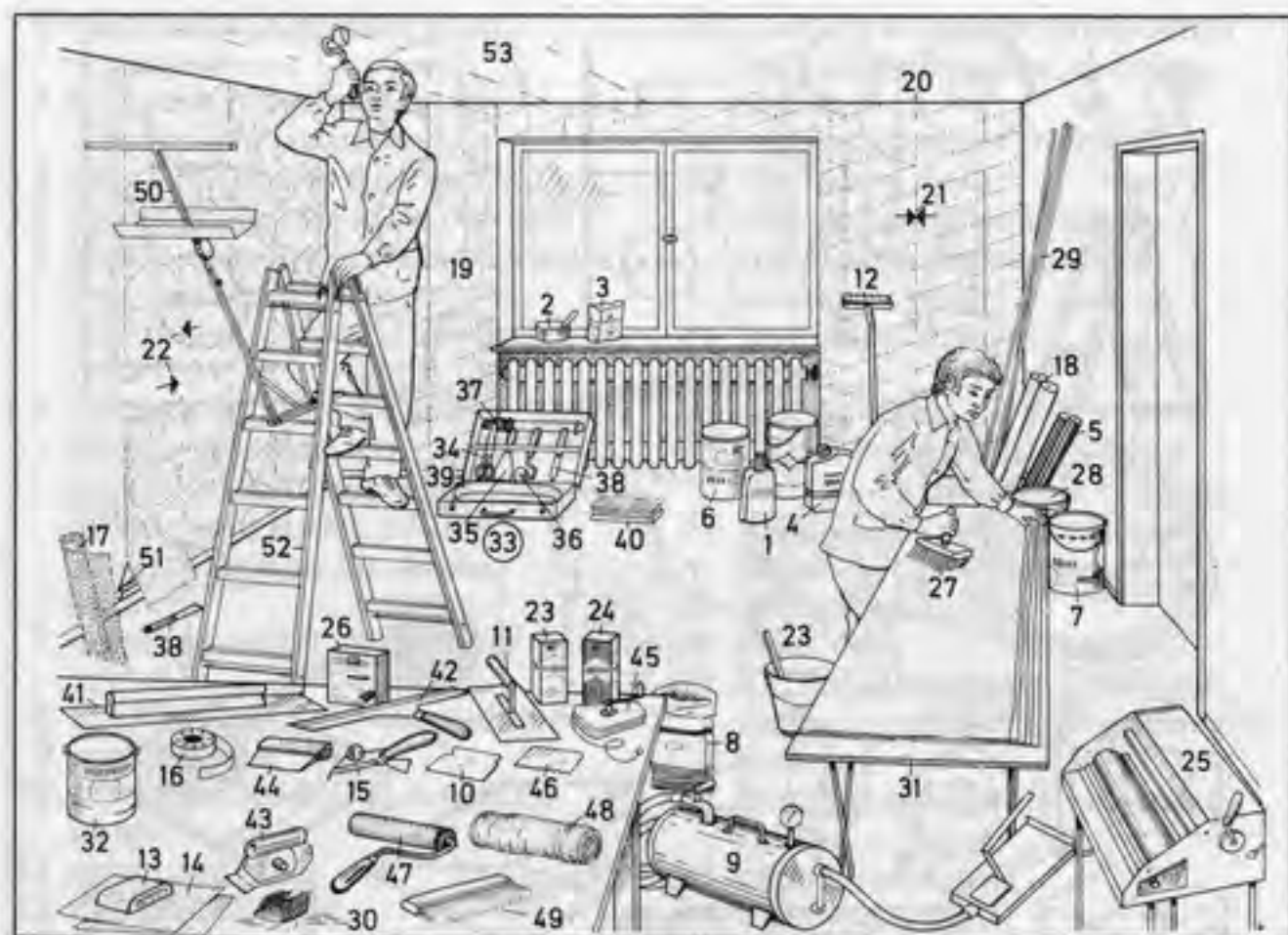
- 1 gas fitter and plumber
- 2 stepladder
- 3 safety chain
- 4 stopcock
- 5 gas meter
- 6 bracket
- 7 service riser
- 8 distributing pipe
- 9 supply pipe
- 10 pipe-cutting machine
- 11 pipe repair stand
- 12-25 gas and water appliances
- 12-13 geyser, an instantaneous water heater
- 12 gas water heater
- 13 electric water heater
- 14 toilet cistern
- 15 float
- 16 bell
- 17 flush pipe
- 18 water inlet
- 19 flushing lever (lever)
- 20 radiator
- 21 radiator rib
- 22 two-pipe system
- 23 flow pipe
- 24 return pipe
- 25 gas heater
- 26-37 plumbing fixtures
- 26 trap (anti-syphon trap)
- 27 mixer tap (Am. mixing faucet) for washbasins
- 28 hot tap
- 29 cold tap
- 30 extendible shower attachment
- 31 water tap (pillar tap) for washbasins
- 32 spindle top
- 33 shield
- 34 draw-off tap (Am. faucet)
- 35 supatap
- 36 swivel tap
- 37 flushing valve
- 38-52 fittings
- 38 joint with male thread
- 39 reducing socket (reducing coupler)
- 40 elbow screw joint (elbow coupling)
- 41 reducing socket (reducing coupler) with female thread
- 42 screw joint
- 43 coupler (socket)

- 44 T-joint (T-junction joint, tee)
- 45 elbow screw joint with female thread
- 46 bend
- 47 T-joint (T-junction joint, tee) with female taper thread
- 48 ceiling joint
- 49 reducing elbow
- 50 cross
- 51 elbow joint with male thread
- 52 elbow joint
- 53-57 pipe supports
- 53 saddle clip
- 54 spacing bracket
- 55 plug
- 56 pipe clips
- 57 two-piece spacing clip
- 58-86 plumber's tools, gas fitter's tools
- 58 gas pliers
- 59 footprints
- 60 combination cutting pliers
- 61 pipe wrench
- 62 flat-nose pliers
- 63 nipple key
- 64 round-nose pliers
- 65 pincers
- 66 adjustable S-wrench
- 67 screw wrench
- 68 shifting spanner
- 69 screwdriver
- 70 compass saw (keyhole saw)
- 71 hacksaw frame
- 72 hand saw
- 73 soldering iron
- 74 blowlamp (blowtorch) [for soldering]
- 75 sealing tape
- 76 tin-lead solder
- 77 club hammer
- 78 hammer
- 79 spirit level
- 80 steel-leg vice (Am. vise)
- 81 pipe vice (Am. vise)
- 82 pipe-bending machine
- 83 former (template)
- 84 pipe cutter
- 85 hand die
- 86 screw-cutting machine (thread-cutting machine)



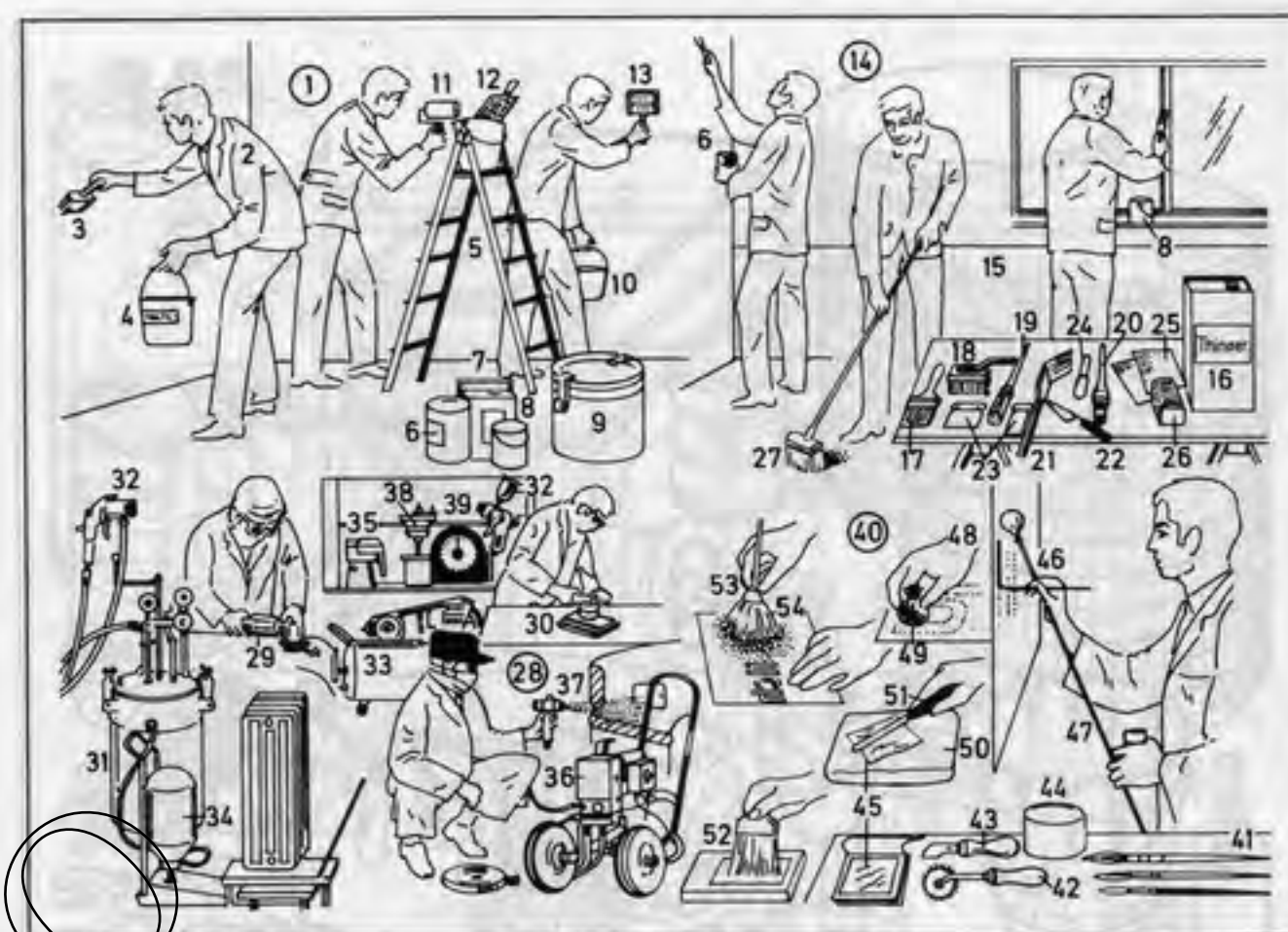
- 1 electrician (electrical fitter, wireman)
- 2 bell push (doorbell) for low-voltage safety current
- 3 house telephone with call button
- 4 [flush-mounted] rocker switch
- 5 [flush-mounted] earthed socket (wall socket, plug point, *Am.* wall outlet, convenience outlet, outlet)
- 6 [surface-mounted] earthed double socket (double wall socket, double plug point, *Am.* double wall outlet, double convenience outlet, double outlet)
- 7 switched socket (switch and socket)
- 8 four-socket (four-way) adapter
- 9 earthed plug
- 10 extension lead (*Am.* extension cord)
- 11 extension plug
- 12 extension socket
- 13 surface-mounted three-pole earthed socket [for three-phase circuit] with neutral conductor
- 14 three-phase plug
- 15 electric bell (electric buzzer)
- 16 pull-switch (cord-operated wall switch)
- 17 dimmer switch [for smooth adjustment of lamp brightness]
- 18 drill-cast rotary switch
- 19 miniature circuit breaker (screw-in circuit breaker, fuse)
- 20 resetting button
- 21 set screw [for fuses and miniature circuit breakers]
- 22 underfloor mounting (underfloor sockets)
- 23 hinged floor socket for power lines and communication lines
- 24 sunken floor socket with hinged lid (snap lid)
- 25 surface-mounted socket outlet (plug point) box
- 26 pocket torch, a torch (*Am.* flashlight)
- 27 dry cell battery
- 28 contact spring
- 29 strip of thermoplastic connectors
- 30 steel draw-in wire (draw wire) with threading key, and ring attached
- 31 electricity meter cupboard
- 32 electricity meter
- 33 miniature circuit breakers (miniature circuit breaker consumer unit)
- 34 insulating tape (*Am.* friction tape)
- 35 fuse holder
- 36 circuit breaker (fuse), a fuse cartridge with fusible element
- 37 colour (*Am.* color) indicator [showing current rating]
- 38-39 contact maker
- 40 cable clip
- 41 universal test meter (multiple meter for measuring current and voltage)
- 42 thermoplastic moisture-proof cable
- 43 copper conductor
- 44 three-core cable
- 45 electric soldering iron
- 46 screwdriver
- 47 pipe wrench
- 48 shock-resisting safety helmet
- 49 tool case
- 50 round-nose pliers
- 51 cutting pliers
- 52 junior hacksaw
- 53 combination cutting pliers
- 54 insulated handle
- 55 continuity tester
- 56 electric light bulb (general service lamp, filament lamp)
- 57 glass bulb (bulb)
- 58 coiled-coil filament
- 59 screw base
- 60 lampholder
- 61 fluorescent tube
- 62 bracket for fluorescent tubes
- 63 electrician's knife
- 64 wire strippers
- 65 bayonet fitting
- 66 three-pin socket with switch
- 67 three-pin plug
- 68 fuse carrier with fuse wire
- 69 light bulb with bayonet fitting



**1-17 preparation of surfaces**

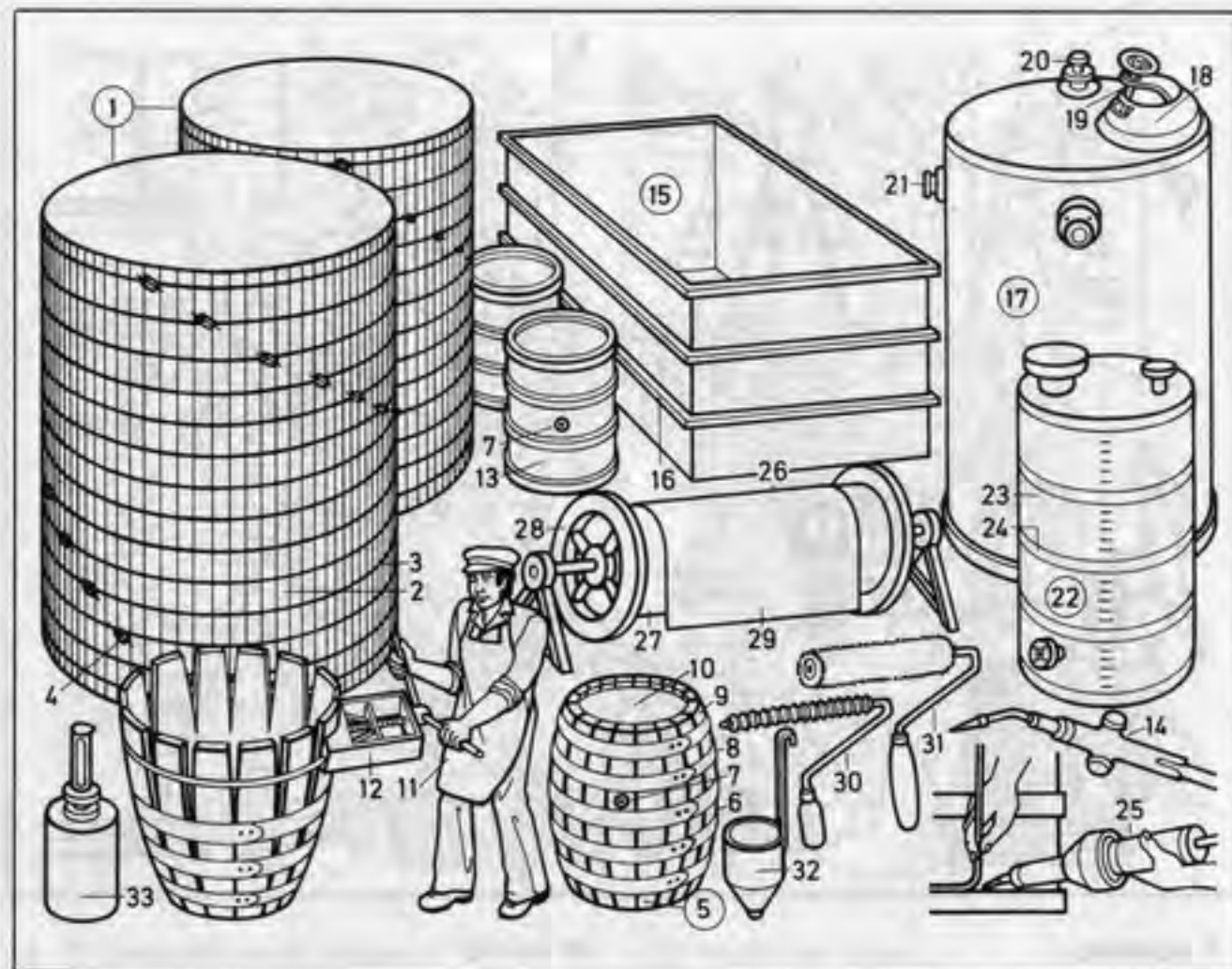
- 1 wallpaper-stripping liquid (stripper)
- 2 plaster (plaster of Paris)
- 3 filler
- 4 glue size (size)
- 5 lining paper, a backing paper
- 6 primer
- 7 fluate
- 8 shredded lining paper
- 9 wallpaper-stripping machine (stripper)
- 10 scraper
- 11 smoother
- 12 perforator
- 13 sandpaper block
- 14 sandpaper
- 15 stripping knife
- 16 masking tape
- 17 strip of sheet metal [on which wallpaper is laid for cutting]
- 18-53 **wallpapering** (paper hanging)
- 18 wallpaper (*kinds*: wood pulp paper, wood chip paper, fabric wallhangings, synthetic wallpaper, metallic paper, natural (e.g. wood or cork) paper, tapestry wallpaper)
- 19 length of wallpaper
- 20 butted paper edges
- 21 matching edge
- 22 non-matching edge

- 23 wallpaper paste
- 24 heavy-duty paste
- 25 pasting machine
- 26 paste [for the pasting machine]
- 27 paste brush
- 28 emulsion paste
- 29 picture rail
- 30 beading pins
- 31 pasteboard (paperhanger's bench)
- 32 gloss finish
- 33 paperhanging kit
- 34 shears (bull-nosed scissors)
- 35 filling knife
- 36 seam roller
- 37 hacking knife
- 38 knife (trimming knife)
- 39 straightedge
- 40 paperhanging brush
- 41 wallpaper-cutting board
- 42 cutter
- 43 trimmer
- 44 plastic spatula
- 45 chalked string
- 46 spreader
- 47 paper roller
- 48 flannel cloth
- 49 dry brush
- 50 ceiling paperhanger
- 51 overlap angle
- 52 paperhanger's trestles
- 53 ceiling paper



- 1 painting
- 2 painter
- 3 paintbrush
- 4 emulsion paint (emulsion)
- 5 stepladder
- 6 can (tin) of paint
- 7-8 cans (tins) of paint
- 7 can (tin) with fixed handle
- 8 paint kettle
- 9 drum of paint
- 10 paint bucket
- 11 paint roller
- 12 grill [for removing excess paint from the roller]
- 13 stippling roller
- 14 **varnishing**
- 15 oil-painted dado
- 16 canister for thinner
- 17 flat brush for larger surfaces (flat wall brush)
- 18 stippler
- 19 fitch
- 20 cutting-in brush
- 21 radiator brush (flay brush)
- 22 paint scraper
- 23 scraper
- 24 putty knife
- 25 sandpaper
- 26 sandpaper block
- 27 floor brush
- 28 sanding and spraying
- 29 grinder

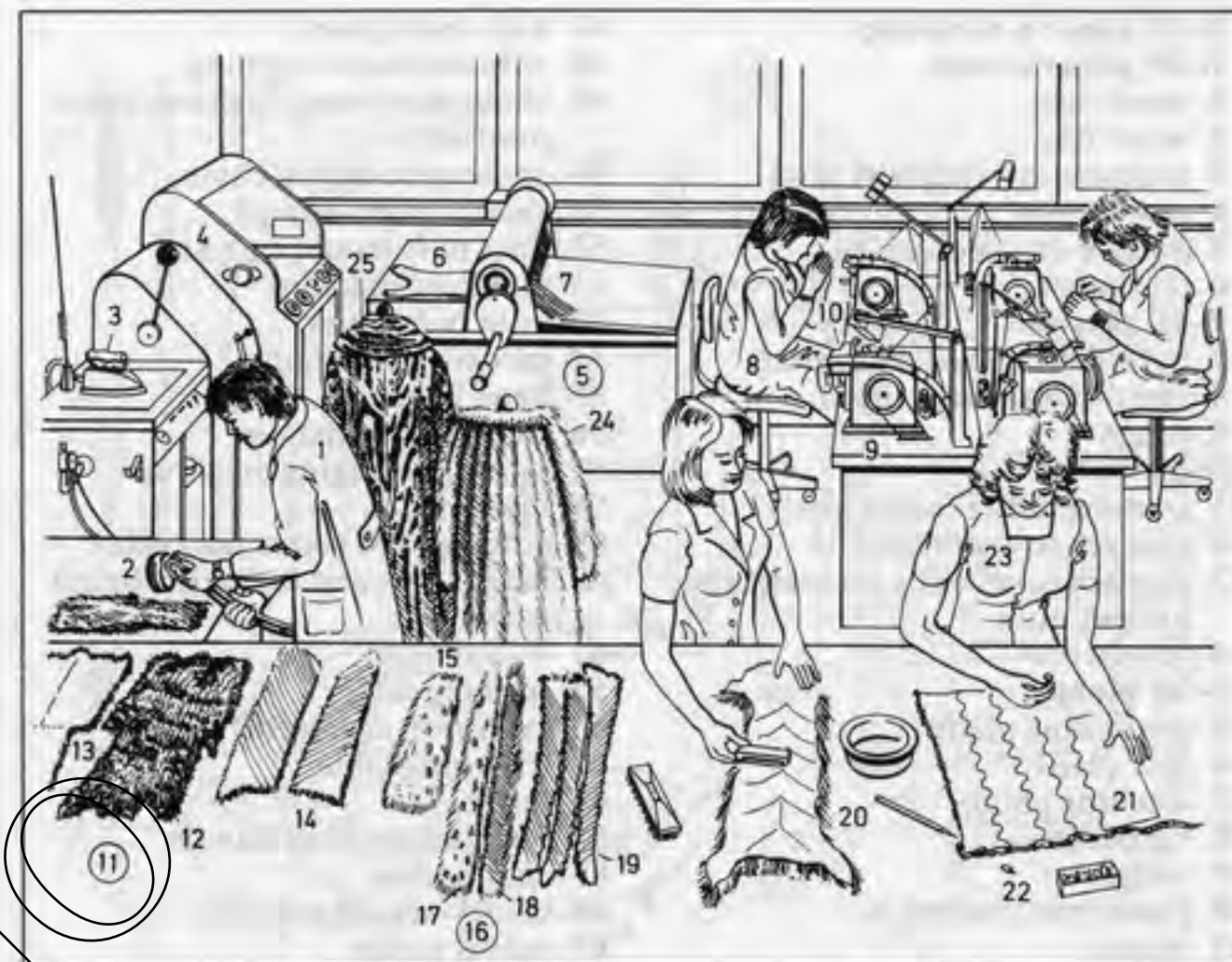
- 30 sander
- 31 pressure pot
- 32 spray gun
- 33 compressor (air compressor)
- 34 flow coating machine for flow coating radiators, etc.
- 35 hand spray
- 36 airless spray unit
- 37 airless spray gun
- 38 efflux viscometer
- 39 seconds timer
- 40 **lettering and gilding**
- 41 lettering brush (signwriting brush, pencil)
- 42 tracing wheel
- 43 stencil knife
- 44 oil gold size
- 45 gold leaf
- 46 outline drawing
- 47 mahlstick
- 48 pouncing
- 49 pounce bag
- 50 gilder's cushion
- 51 gilder's knife
- 52 sizing gold leaf
- 53 filling in the letters with stipple paint
- 54 gilder's mop



1-33 cooper's and tank construction engineer's workshops

- 1 tank
- 2 circumference made of staves (staved circumference)
- 3 iron rod
- 4 turnbuckle
- 5 barrel (cask)
- 6 body of barrel (of cask)
- 7 bunghole
- 8 band (hoop) of barrel
- 9 barrel stave
- 10 barrelhead (heading)
- 11 cooper
- 12 trusser
- 13 drum
- 14 gas welding torch
- 15 staining vat, made of thermoplastics
- 16 iron reinforcing bands
- 17 storage container, made of glass fibre (*Am.* glass fiber) reinforced polyester resin
- 18 manhole

- 19 manhole cover with handwheel
- 20 flange mount
- 21 flange-type stopcock
- 22 measuring tank
- 23 shell (circumference)
- 24 shrink ring
- 25 hot-air gun
- 26 roller made of glass fibre (*Am.* glass fiber) reinforced synthetic resin
- 27 cylinder
- 28 flange
- 29 glass cloth
- 30 grooved roller
- 31 lambskin roller
- 32 ladle for testing viscosity
- 33 measuring vessel for hardener

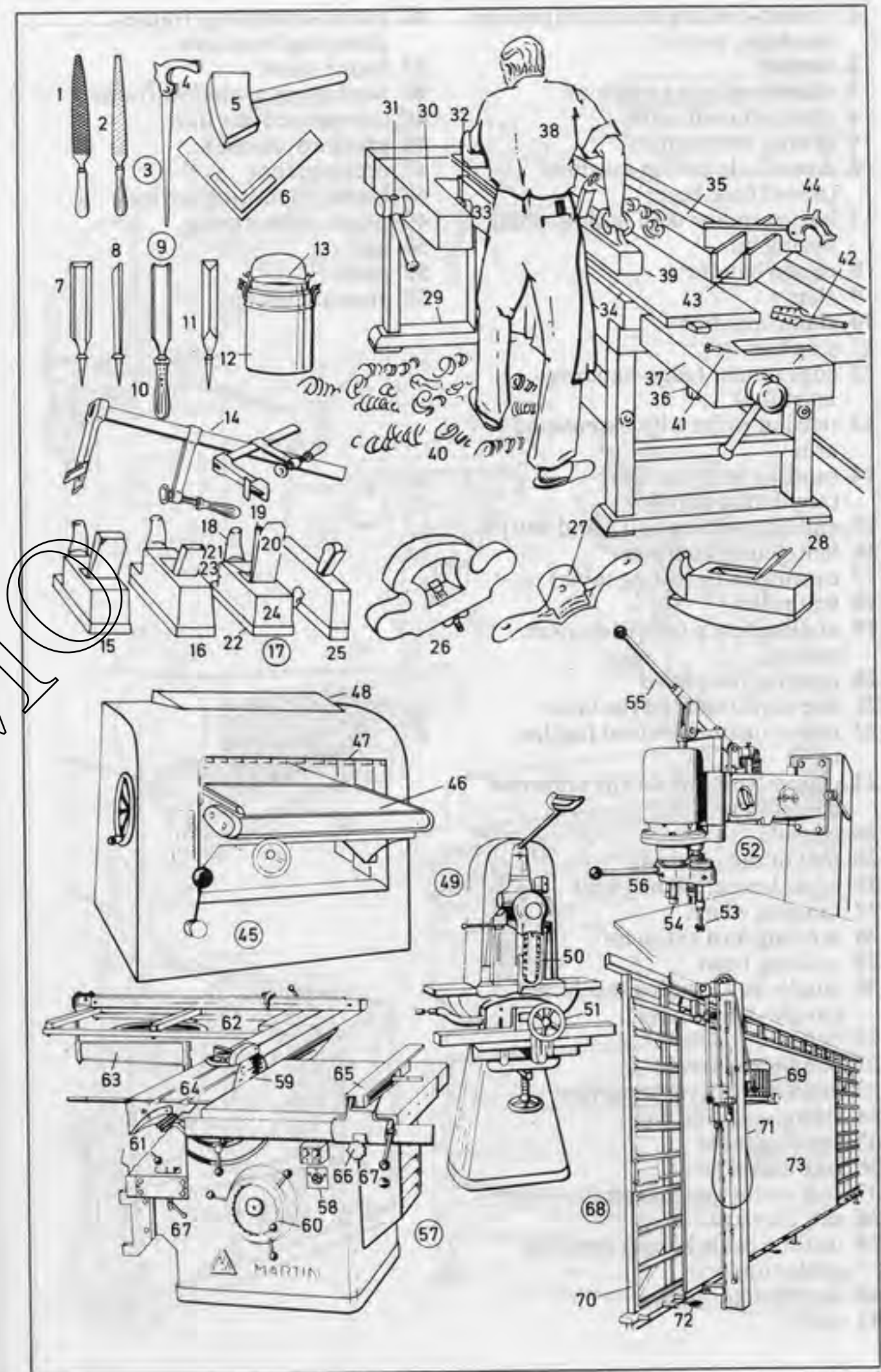


1-25 furrier's workroom

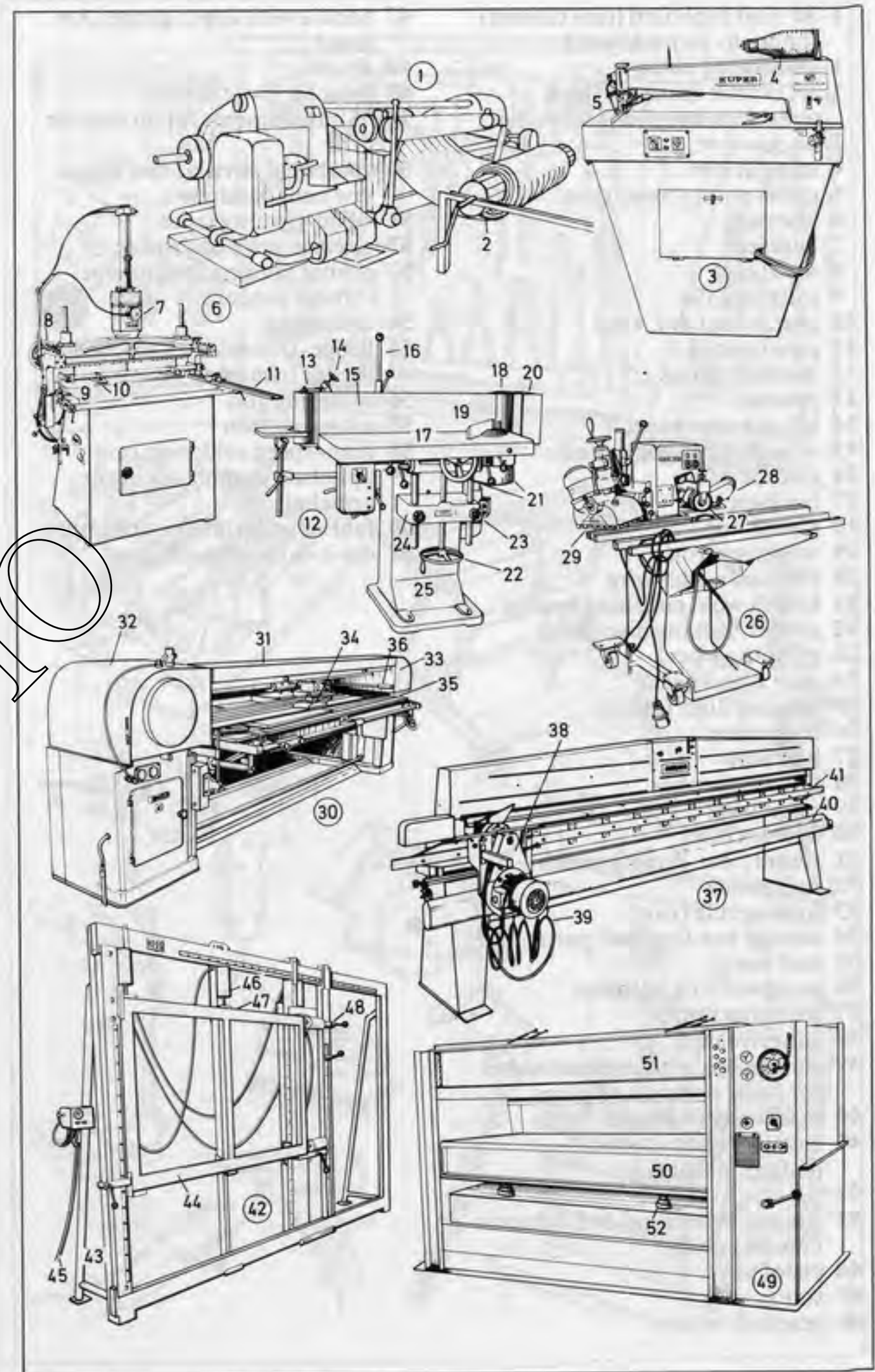
- 1 furrier
- 2 steam spray gun
- 3 steam iron
- 4 beating machine
- 5 cutting machine for letting out furskins
- 6 uncut furskin
- 7 let-out strips (let-out sections)
- 8 fur worker
- 9 fur-sewing machine
- 10 blower for letting out
- 11-21 furskins
- 11 mink skin
- 12 fur side
- 13 leather side
- 14 cut furskin
- 15 lynx skin before letting out
- 16 let-out lynx skin
- 17 fur side
- 18 leather side
- 19 let-out mink skin
- 20 lynx fur, sewn together (sewn)
- 21 broadtail

- 22 fur marker
- 23 fur worker
- 24 mink coat
- 25 ocelot coat

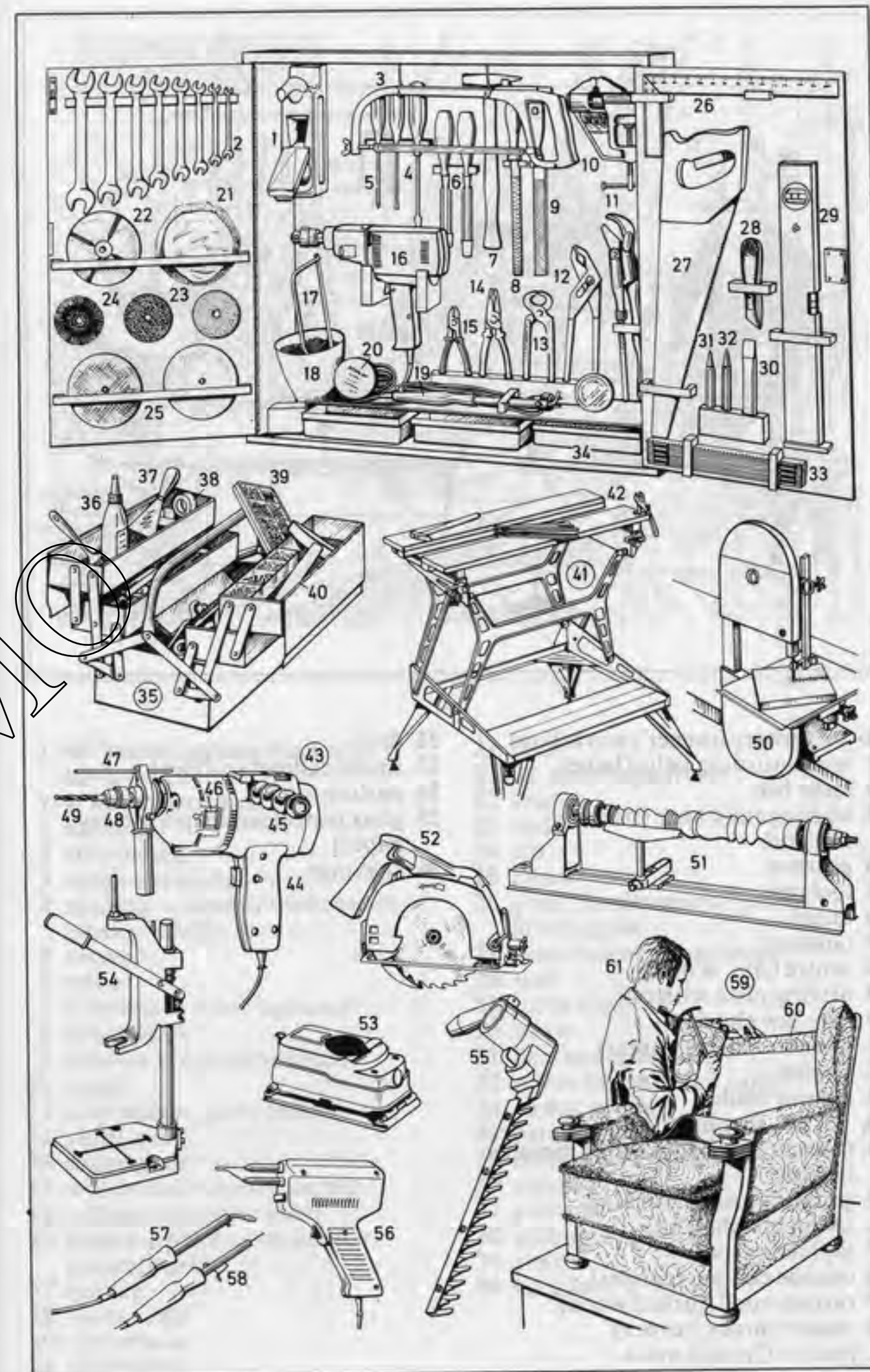
- 1-73 joiner's workshop
 1-28 joiner's tools
 1 wood rasp
 2 wood file
 3 compass saw (keyhole saw)
 4 saw handle
 5 [square-headed] mallet
 6 try square
 7-11 chisels
 7 bevelled-edge chisel (chisel)
 8 mortise (mortice) chisel
 9 gouge
 10 handle
 11 framing chisel (cant chisel)
 12 glue pot in water bath
 13 glue pot (glue well), an insert for joiner's glue
 14 handscrew
 15-28 planes
 15 smoothing plane
 16 jack plane
 17 tothing plane
 18 handle (toat)
 19 wedge
 20 plane iron (cutter)
 21 mouth
 22 sole
 23 side
 24 stock (body)
 25 rebate (rabbet) plane
 26 router plane (old woman's tooth)
 27 spokeshave
 28 compass plane
 29-37 woodworker's bench
 29 foot
 30 front vice (Am. vise)
 31 vice (Am. vise) handle
 32 vice (Am. vise) screw
 33 jaw
 34 bench top
 35 well
 36 bench stop (bench holdfast)
 37 tail vice (Am. vise)
 38 cabinet maker (joiner)
 39 trying plane
 40 shavings
 41 wood screw
 42 saw set
 43 mitre (Am. miter) box
 44 tenon saw
 45 thicknesser (thicknessing machine)
 46 thicknessing table with rollers
 47 kick-back guard
 48 chip-extractor opening
 49 chain mortising machine (chain mortiser)
 50 endless mortising chain
 51 clamp (work clamp)
 52 knot hole moulding (Am. molding) machine
 53 knot hole cutter
 54 quick-action chuck
 55 hand lever
 56 change-gear handle
 57 sizing and edging machine
 58 main switch
 59 circular-saw (buzz saw) blade
 60 height (rise and fall) adjustment wheel
 61 V-way
 62 framing table
 63 extension arm (arm)
 64 trimming table
 65 fence
 66 fence adjustment handle
 67 clamp lever
 68 board-sawing machine
 69 swivel motor
 70 board support
 71 saw carriage
 72 pedal for raising the transport rollers
 73 block board

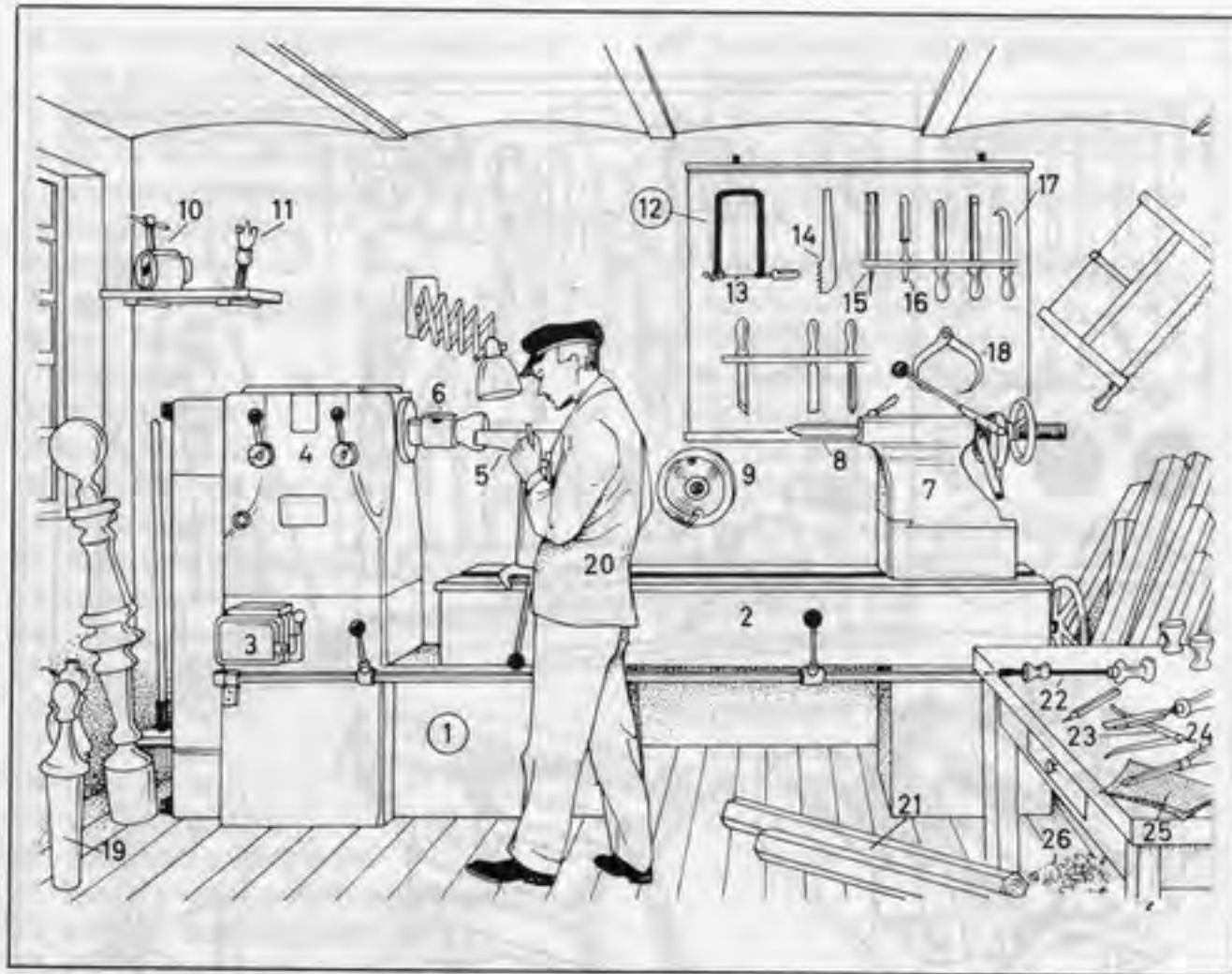


- | | |
|---|--|
| 1 veneer-peeling machine (peeling machine, peeler) | 42 frame-cramping (frame-clamping) machine |
| 2 veneer | 43 frame stand |
| 3 veneer-splicing machine | 44 workpiece, a window frame |
| 4 nylon-thread cop | 45 compressed-air line |
| 5 sewing mechanism | 46 pressure cylinder |
| 6 dowel hole boring machine (dowel hole borer) | 47 pressure foot |
| 7 boring motor with hollow-shaft boring bit | 48 frame-mounting device |
| 8 clamp handle | 49 rapid-veneer press |
| 9 clamp | 50 bed |
| 10 clamping shoe | 51 press |
| 11 stop bar | 52 pressure piston |
| 12 edge sander (edge-sanding machine) | |
| 13 tension roller with extension arm | |
| 14 sanding belt regulator (regulating handle) | |
| 15 endless sanding belt (sand belt) | |
| 16 belt-tensioning lever | |
| 17 canting table (tilting table) | |
| 18 belt roller | |
| 19 angling fence for mitres (Am. miters) | |
| 20 opening dust hood | |
| 21 rise adjustment of the table | |
| 22 rise adjustment wheel for the table | |
| 23 clamping screw for the table rise adjustment | |
| 24 console | |
| 25 foot of the machine | |
| 26 edge-veneering machine | |
| 27 sanding wheel | |
| 28 sanding dust extractor | |
| 29 splicing head | |
| 30 single-belt sanding machine (single-belt sander) | |
| 31 belt guard | |
| 32 bandwheel cover | |
| 33 extractor fan (exhaust fan) | |
| 34 frame-sanding pad | |
| 35 sanding table | |
| 36 fine adjustment | |
| 37 fine cutter and jointer | |
| 38 saw carriage | |
| 39 trailing cable hanger (trailing cable support) | |
| 40 air extractor pipe | |
| 41 rail | |



- 1-34 tool cupboard (tool cabinet) for do-it-yourself work
- 1 smoothing plane
 - 2 set of fork spanners (fork wrenches, open-end wrenches)
 - 3 hacksaw
 - 4 screwdriver
 - 5 cross-point screwdriver
 - 6 saw rasp
 - 7 hammer
 - 8 wood rasp
 - 9 roughing file
 - 10 small vice (*Am. vise*)
 - 11 pipe wrench
 - 12 multiple pliers
 - 13 pincers
 - 14 all-purpose wrench
 - 15 wire stripper and cutter
 - 16 electric drill
 - 17 hacksaw
 - 18 plaster cup
 - 19 soldering iron
 - 20 tin-lead solder wire
 - 21 lamb's wool polishing bonnet
 - 22 rubber backing disc (disk)
 - 23 grinding wheel
 - 24 wire wheel brush
 - 25 sanding discs (disks)
 - 26 try square
 - 27 hand saw
 - 28 universal cutter
 - 29 spirit level
 - 30 firmer chisel
 - 31 centre (*Am. center*) punch
 - 32 nail punch
 - 33 folding rule (rule)
 - 34 storage box for small parts
 - 35 tool box
 - 36 woodworking adhesive
 - 37 stripping knife
 - 38 adhesive tape
 - 39 storage box with compartments for nails, screws, and plugs
 - 40 machinist's hammer
 - 41 collapsible workbench (collapsible bench)
 - 42 jig
 - 43 electric percussion drill (electric hammer drill)
 - 44 pistol grip
 - 45 side grip
 - 46 gearshift switch
 - 47 handle with depth gauge (*Am. gage*)
 - 48 chuck
 - 49 twist bit (twist drill)
 - 50-55 attachments for an electric drill
 - 50 combined circular saw (buzz saw) and bandsaw
 - 51 wood-turning lathe
 - 52 circular saw attachment
 - 53 orbital sanding attachment (orbital sander)
 - 54 drill stand
 - 55 hedge-trimming attachment (hedge trimmer)
 - 56 soldering gun
 - 57 soldering iron
 - 58 high-speed soldering iron
 - 59 upholstery, upholstering an armchair
 - 60 fabric (material) for upholstery
 - 61 do-it-yourself enthusiast

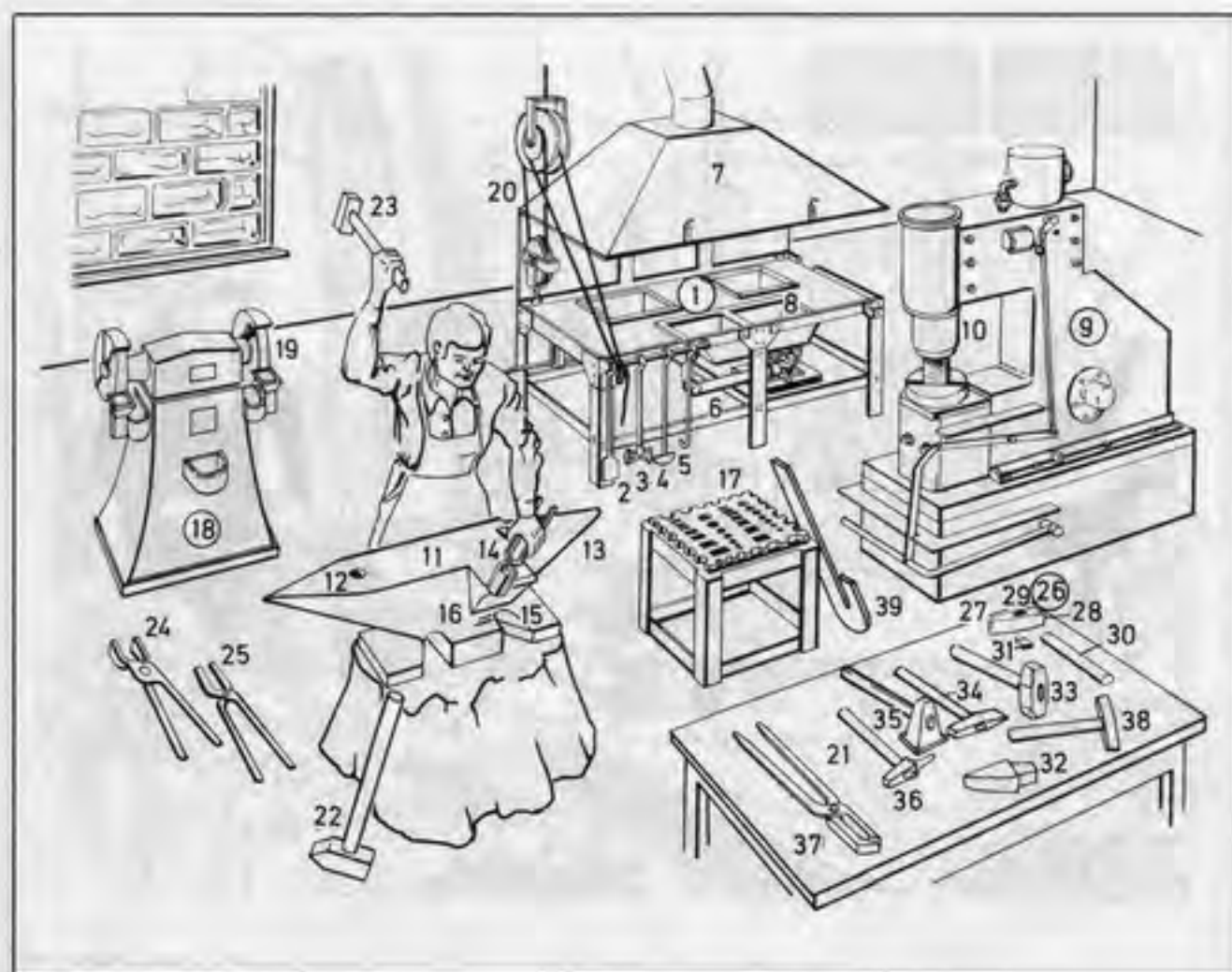




- 1-26 turnery (turner's workshop)**
- 1 wood-turning lathe (lathe)
 - 2 lathe bed
 - 3 starting resistance (starting resistor)
 - 4 gearbox
 - 5 tool rest
 - 6 chuck
 - 7 tailstock
 - 8 centre (*Am.* center)
 - 9 driving plate with pin
 - 10 two-jaw chuck
 - 11 live centre (*Am.* center)
 - 12 fretsaw
 - 13 fretsaw blade
 - 14, 15, 24 turning tools
 - 14 thread chaser, for cutting threads in wood
 - 15 gouge, for rough turning
 - 16 spoon bit (shell bit)
 - 17 hollowing tool
 - 18 outside calliper (caliper)
 - 19 turned work (turned wood)
 - 20 master turner (turner)
 - 21 [piece of] rough wood
 - 22 drill
 - 23 inside calliper (caliper)
 - 24 parting tool
 - 25 glass paper (sandpaper, emery paper)
 - 26 shavings



- 1-40 basket making (basketry, basketwork)**
- 1-4 weaves (strokes)
 - 1 randing
 - 2 rib randing
 - 3 oblique randing
 - 4 randing, a piece of wickerwork (screen work)
 - 5 weaver
 - 6 stake
 - 7 workboard; *also*: lapboard
 - 8 screw block
 - 9 hole for holding the block
 - 10 stand
 - 11 chip basket (spale basket)
 - 12 chip (spale)
 - 13 soaking tub
 - 14 willow stakes (osier stakes)
 - 15 willow rods (osier rods)
 - 16 basket, a piece of wickerwork (basketwork)
 - 17 border
 - 18 woven side
 - 19 round base
 - 20 woven base
 - 21 slath
 - 22-24 covering a frame
 - 22 frame
 - 23 end
 - 24 rib
 - 25 upsett
 - 26 grass; *kinds*: esparto grass, alfalfa grass
 - 27 rush (bulrush, reed mace)
 - 28 reed
 - 29 raffia (bast)
 - 30 straw
 - 31 bamboo cane
 - 32 rattan (ratan) chair cane
 - 33 basket maker
 - 34 bending tool
 - 35 cutting point (bodkin)
 - 36 rapping iron
 - 37 pincers
 - 38 picking knife
 - 39 shave
 - 40 hacksaw

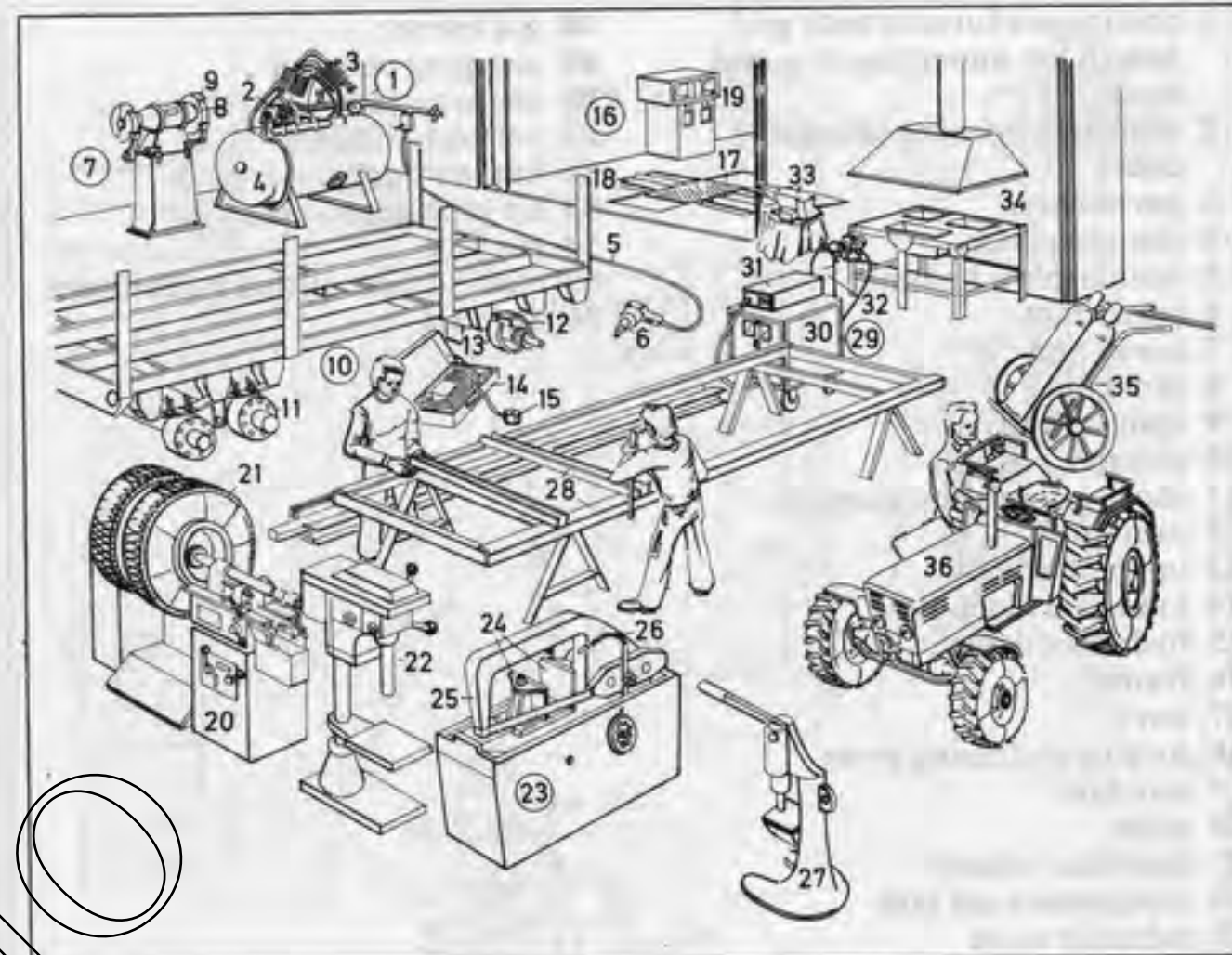


1-8 hearth (forge) with blacksmith's fire

- 1 hearth (forge)
- 2 shovel (slice)
- 3 swab
- 4 rake
- 5 poker
- 6 blast pipe (tue iron)
- 7 chimney (cowl, hood)
- 8 water trough (quenching trough, bosh)
- 9 power hammer
- 10 ram (tup)
- 11-16 anvil**
- 11 anvil
- 12 flat beak (beck, bick)
- 13 round beak (beck, bick)
- 14 auxiliary table
- 15 foot
- 16 upsetting block
- 17 swage block
- 18 tool-grinding machine (tool grinder)
- 19 grinding wheel
- 20 block and tackle

21 workbench (bench)
22-39 blacksmith's tools

- 22 sledge hammer
- 23 blacksmith's hand hammer
- 24 flat tongs
- 25 round tongs
- 26 parts of the hammer
- 27 peen (pane, pein)
- 28 face
- 29 eye
- 30 haft
- 31 cotter punch
- 32 hardy (hardie)
- 33 set hammer
- 34 sett (set, sate)
- 35 flat-face hammer (flatter)
- 36 round punch
- 37 angle tongs
- 38 blacksmith's chisel (scaling hammer, chipping hammer)
- 39 moving iron (bending iron)

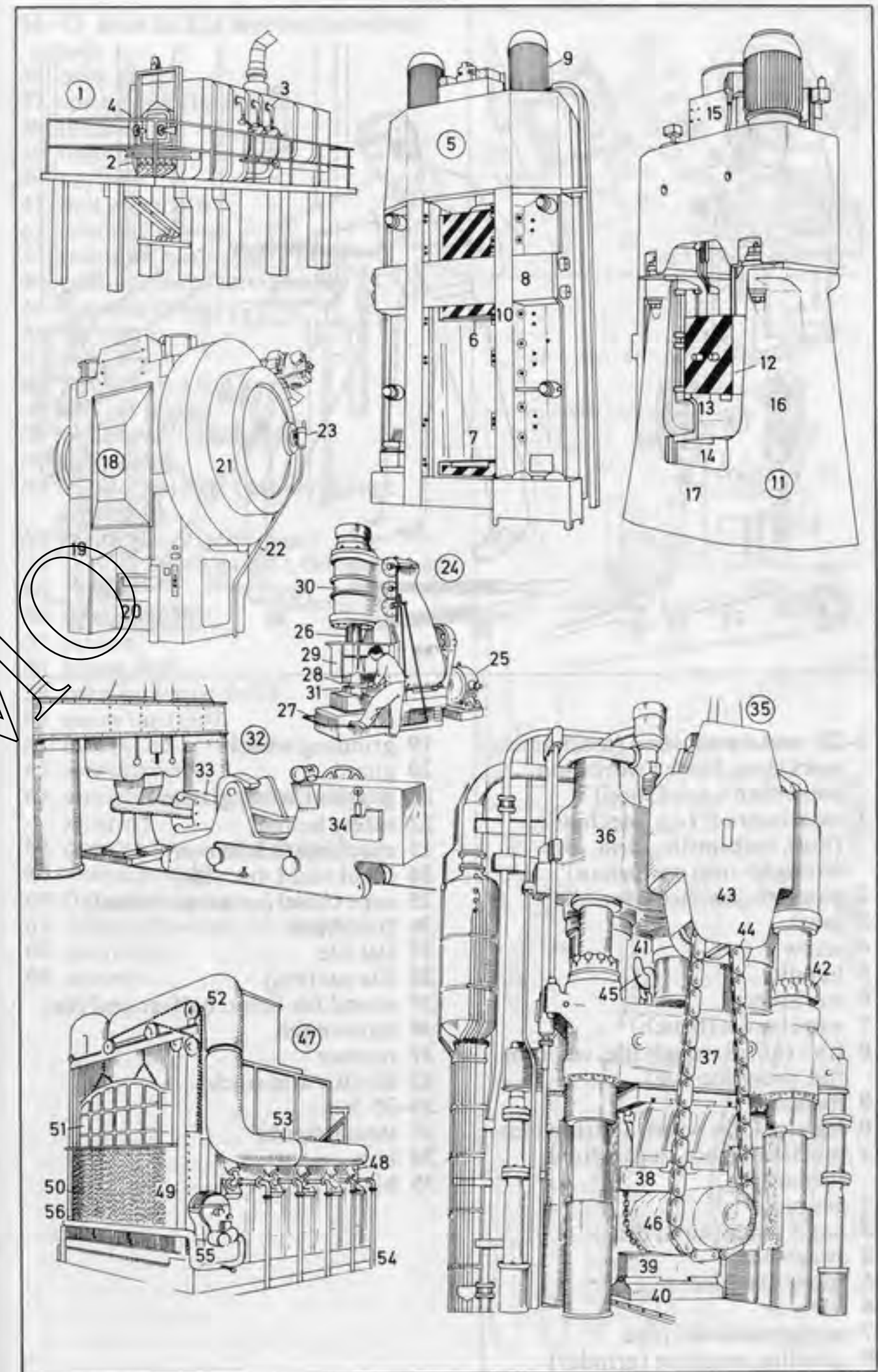


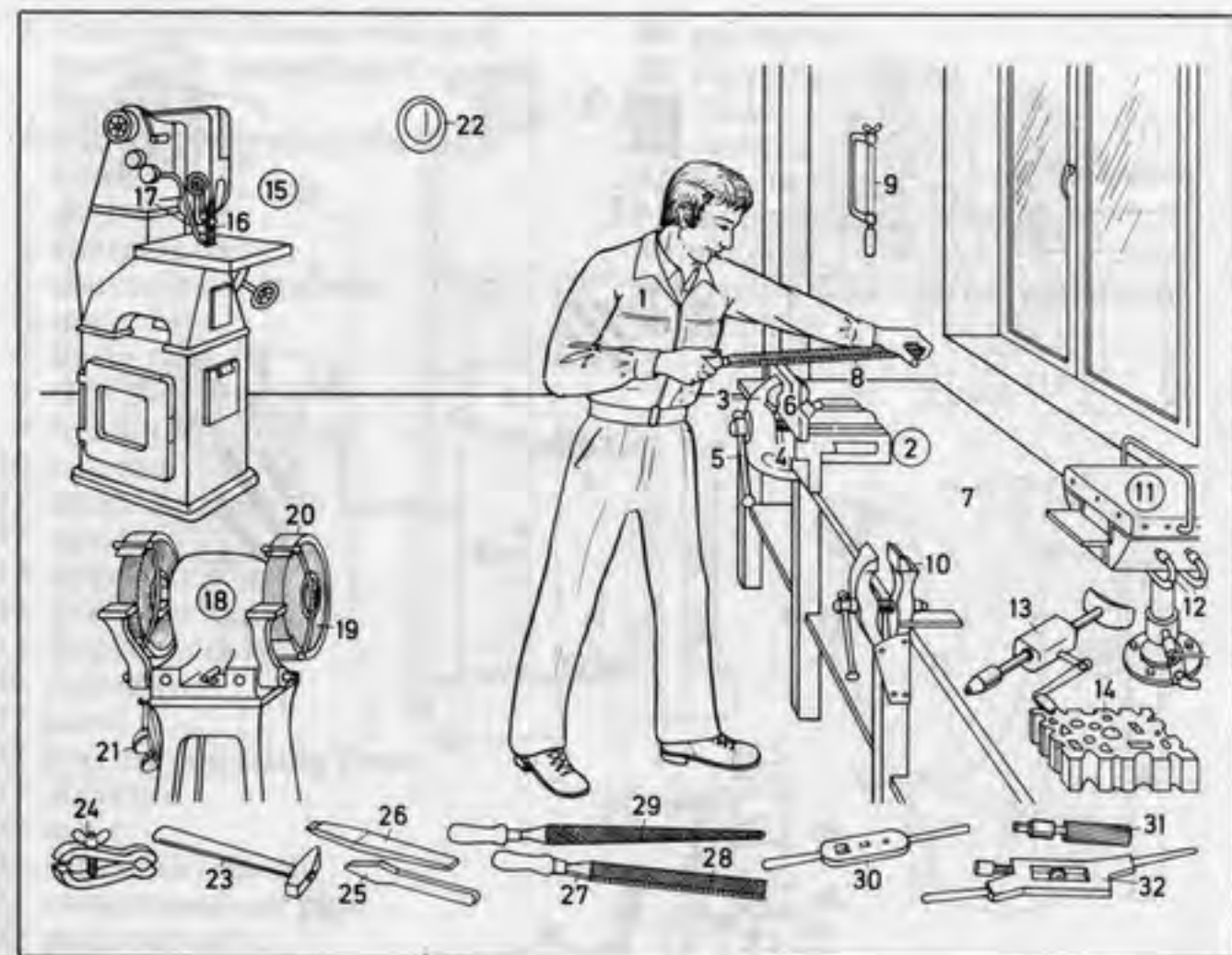
- 1 compressed-air system
- 2 electric motor
- 3 compressor
- 4 compressed-air tank
- 5 compressed-air line
- 6 percussion screwdriver
- 7 pedestal grinding machine (floor grinding machine)
- 8 grinding wheel
- 9 guard
- 10 trailer
- 11 brake drum
- 12 brake shoe
- 13 brake lining
- 14 testing kit
- 15 pressure gauge (*Am. gage*)
- 16 brake-testing equipment, a rolling road
- 17 pit
- 18 braking roller
- 19 meter (recording meter)
- 20 precision lathe for brake drums
- 21 lorry wheel
- 22 boring mill

- 23 power saw, a hacksaw (power hacksaw)
- 24 vice (*Am. vise*)
- 25 saw frame
- 26 coolant supply pipe
- 27 riveting machine
- 28 trailer frame (chassis) under construction
- 29 inert-gas welding equipment
- 30 rectifier
- 31 control unit
- 32 CO₂ cylinder
- 33 anvil
- 34 hearth (forge) with blacksmith's fire
- 35 trolley for gas cylinders
- 36 vehicle under repair, a tractor

- 1 continuous furnace with grid hearth for annealing of round stock
- 2 discharge opening (discharge door)
- 3 gas burners
- 4 charging door
- 5 counterblow hammer
- 6 upper ram
- 7 lower ram
- 8 ram guide
- 9 hydraulic drive
- 10 column
- 11 short-stroke drop hammer
- 12 ram (tup)
- 13 upper die block
- 14 lower die block
- 15 hydraulic drive
- 16 frame
- 17 anvil
- 18 forging and sizing press
- 19 standard
- 20 table
- 21 disc (disk) clutch
- 22 compressed-air pipe
- 23 solenoid valve
- 24 air-lift gravity hammer (air-lift drop hammer)
- 25 drive motor
- 26 hammer (tup)
- 27 foot control (foot pedal)
- 28 preshaped (blocked) workpiece
- 29 hammer guide
- 30 hammer cylinder
- 31 anvil
- 32 mechanical manipulator to move the workpiece in hammer forging
- 33 dogs
- 34 counterweight
- 35 hydraulic forging press
- 36 crown
- 37 cross head
- 38 upper die block
- 39 lower die block
- 40 anvil
- 41 hydraulic piston
- 42 pillar guide
- 43 rollover device
- 44 burden chain (chain sling)
- 45 crane hook
- 46 workpiece
- 47 gas furnace (gas-fired furnace)

- 48 gas burner
- 49 charging opening
- 50 chain curtain
- 51 vertical-lift door
- 52 hot-air duct
- 53 air preheater
- 54 gas pipe
- 55 electric door-lifting mechanism
- 56 air blast





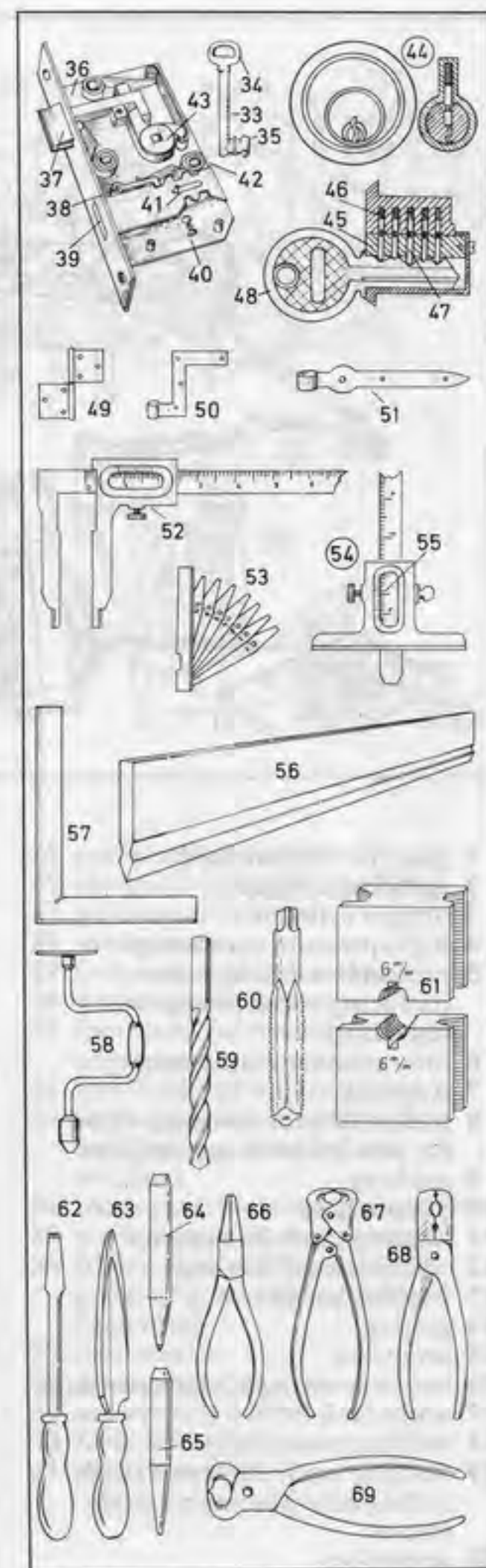
1-22 metalwork shop (mechanic's workshop, fitter's workshop, locksmith's workshop)

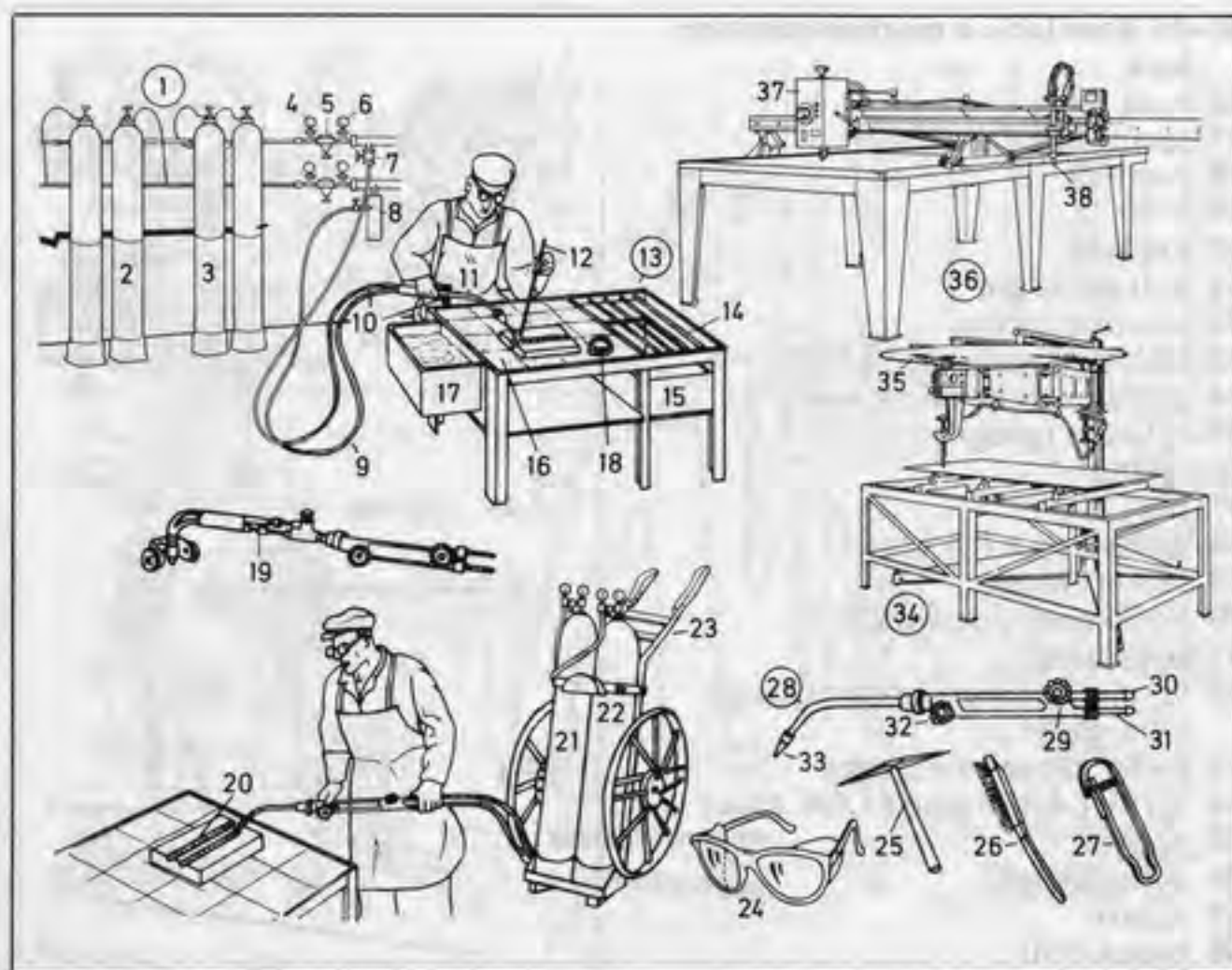
- 1 metalworker (e.g. mechanic, fitter, locksmith; *form. also:* wrought-iron craftsman)
- 2 parallel-jaw vice (*Am. vise*)
- 3 jaw
- 4 screw
- 5 handle
- 6 workpiece
- 7 workbench (bench)
- 8 files (*kinds:* rough file, smooth file, precision file)
- 9 hacksaw
- 10 leg vice (*Am. vise*), a spring vice
- 11 muffle furnace, a gas-fired furnace
- 12 gas pipe
- 13 hand brace (hand drill)
- 14 swage block
- 15 filing machine
- 16 file
- 17 compressed-air pipe
- 18 grinding machine (grinder)

- 19 grinding wheel
- 20 guard
- 21 goggles (safety glasses)
- 22 safety helmet
- 23 machinist's hammer
- 24 hand vice (*Am. vise*)
- 25 cape chisel (cross-cut chisel)
- 26 flat chisel
- 27 flat file
- 28 file cut (cut)
- 29 round file (*also:* half-round file)
- 30 tap wrench
- 31 reamer
- 32 die (die and stock)
- 33-35 key**
- 33 stem (shank)
- 34 bow
- 35 bit

36-43 door lock, a mortise (mortice) lock

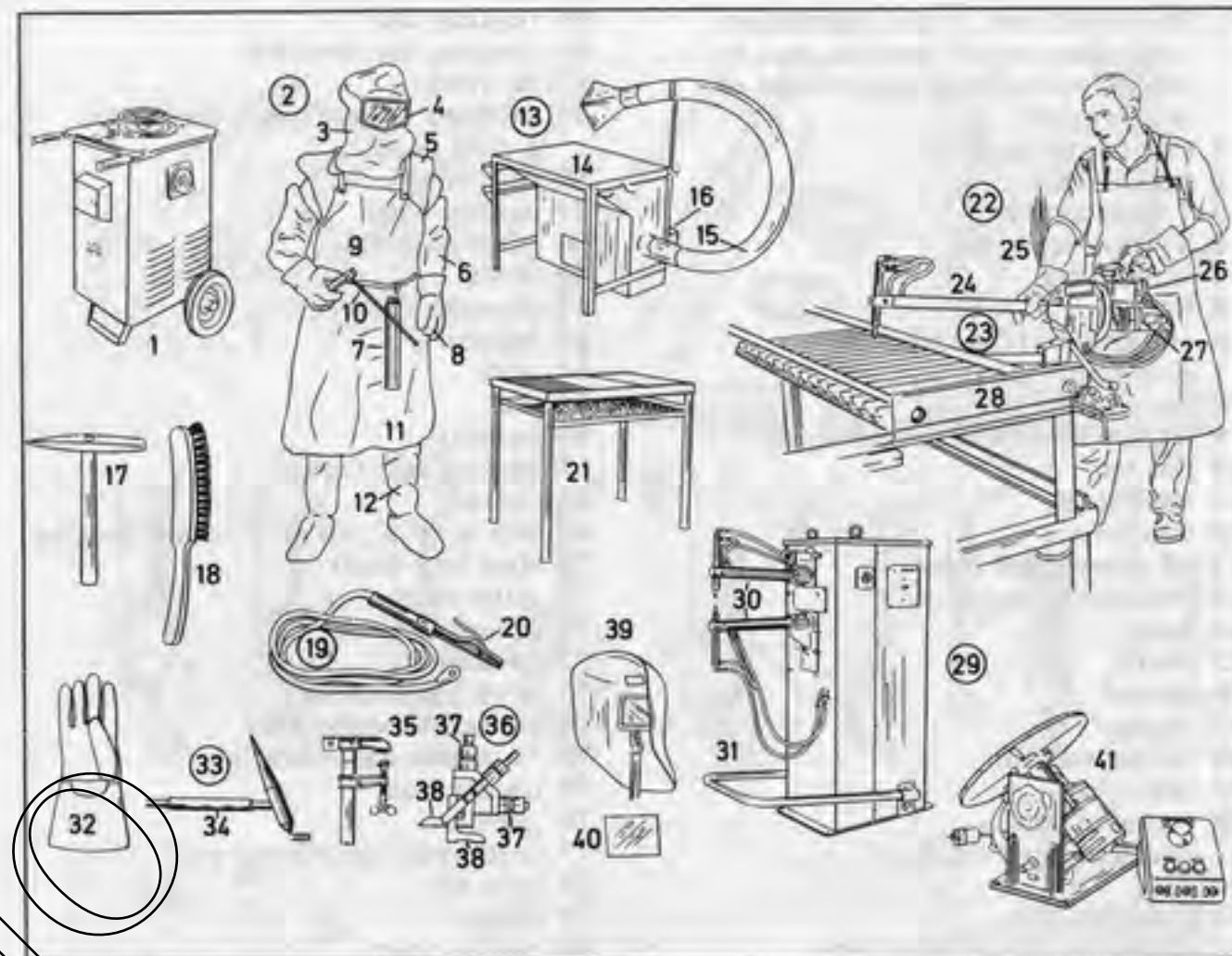
- 36 back plate
- 37 spring bolt (latch bolt)
- 38 tumbler
- 39 bolt
- 40 keyhole
- 41 bolt guide pin
- 42 tumbler spring
- 43 follower, with square hole
- 44 cylinder lock (safety lock)
- 45 cylinder (plug)
- 46 spring
- 47 pin
- 48 safety key, a flat key
- 49 lift-off hinge
- 50 hook-and-ride band
- 51 strap hinge
- 52 vernier calliper (caliper) gauge (*Am. gage*)
- 53 feeler gauge (*Am. gage*)
- 54 vernier depth gauge (*Am. gage*)
- 55 vernier
- 56 straightedge
- 57 square
- 58 breast drill
- 59 twist bit (twist drill)
- 60 screw tap (tap)
- 61 halves of a screw die
- 62 screwdriver
- 63 scraper (*also:* pointed triangle scraper)
- 64 centre (*Am. center*) punch
- 65 round punch
- 66 flat-nose pliers
- 67 detachable-jaw cut nippers
- 68 gas pliers
- 69 pincers





- 1 gas cylinder manifold
- 2 acetylene cylinder
- 3 oxygen cylinder
- 4 high-pressure manometer
- 5 pressure-reducing valve (reducing valve, pressure regulator)
- 6 low-pressure manometer
- 7 stopcock
- 8 hydraulic back-pressure valve for low-pressure installations
- 9 gas hose
- 10 oxygen hose
- 11 welding torch (blowpipe)
- 12 welding rod (filler rod)
- 13 welding bench
- 14 grating
- 15 scrap box
- 16 bench covering of chamotte slabs
- 17 water tank
- 18 welding paste (flux)
- 19 welding torch (blowpipe) with cutting attachment and guide tractor
- 20 workpiece

- 21 oxygen cylinder
- 22 acetylene cylinder
- 23 cylinder trolley
- 24 welding goggles
- 25 chipping hammer
- 26 wire brush
- 27 torch lighter (blowpipe lighter)
- 28 welding torch (blowpipe)
- 29 oxygen control
- 30 oxygen connection
- 31 gas connection (acetylene connection)
- 32 gas control (acetylene control)
- 33 welding nozzle
- 34 cutting machine
- 35 circular template
- 36 universal cutting machine
- 37 tracing head
- 38 cutting nozzle



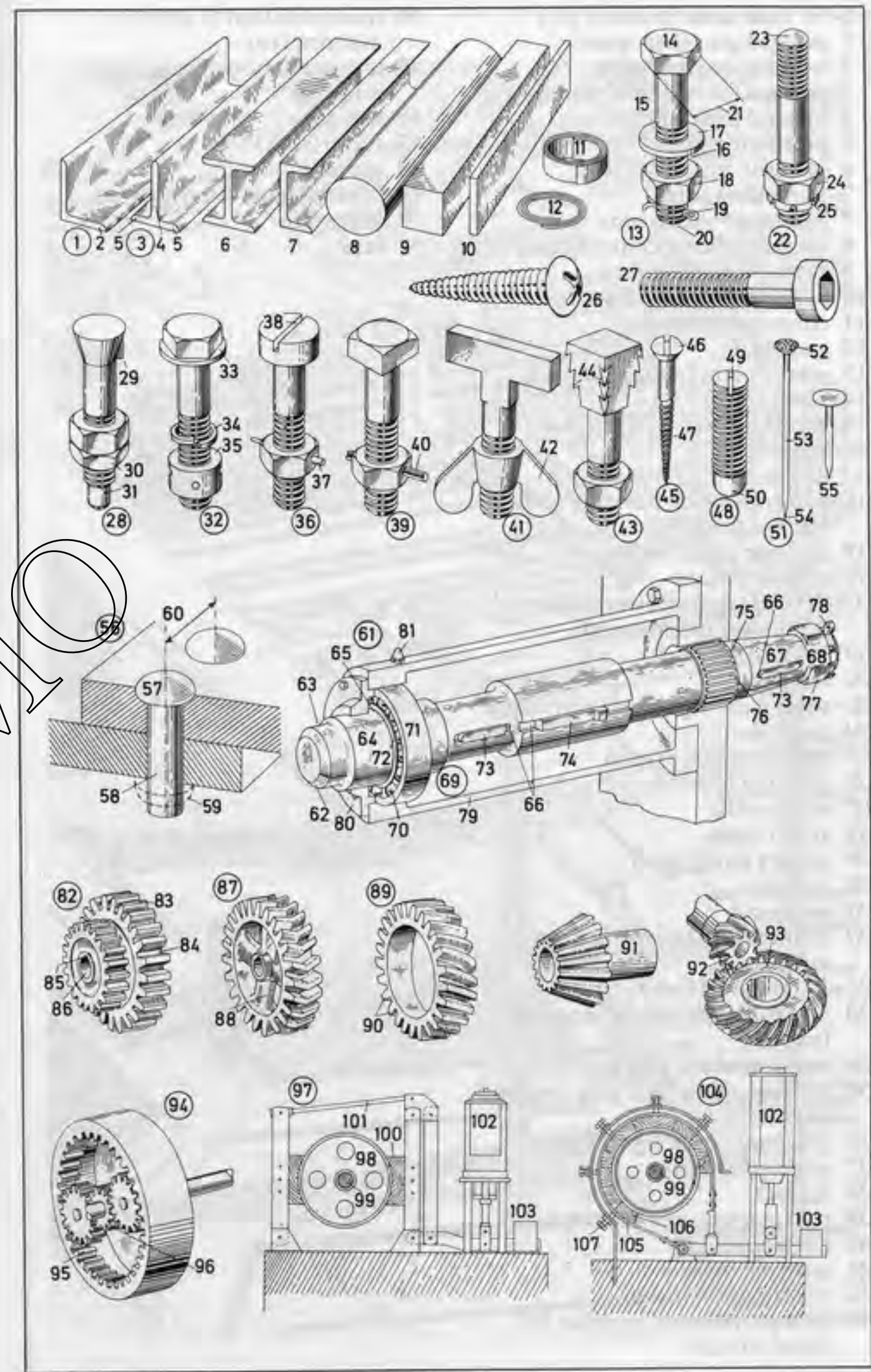
- 1 welding transformer
- 2 arc welder
- 3 arc welding helmet
- 4 flip-up window
- 5 shoulder guard
- 6 protective sleeve
- 7 electrode case
- 8 three-fingered welding glove
- 9 electrode holder
- 10 electrode
- 11 leather apron
- 12 shin guard
- 13 welding table with fume extraction equipment
- 14 table top
- 15 movable extractor duct
- 16 extractor support
- 17 chipping hammer
- 18 wire brush
- 19 welding lead
- 20 electrode holder
- 21 welding bench
- 22 spot welding
- 23 spot welding electrode holder
- 24 electrode arm

- 25 power supply (lead)
- 26 electrode-pressure cylinder
- 27 welding transformer
- 28 workpiece
- 29 foot-operated spot welder
- 30 welder electrode arms
- 31 foot pedal for welding pressure adjustment
- 32 five-fingered welding glove
- 33 inert-gas torch for inert-gas welding (gas-shielded arc welding)
- 34 inert-gas (shielding-gas) supply
- 35 work clamp (earthing clamp)
- 36 fillet gauge (*Am. gage*) (weld gauge) [for measuring throat thickness]
- 37 micrometer
- 38 measuring arm
- 39 arc welding helmet
- 40 filter lens
- 41 small turntable

[material: steel, brass, aluminium (Am. aluminum), plastics, etc.; in the following, steel was chosen as an example]

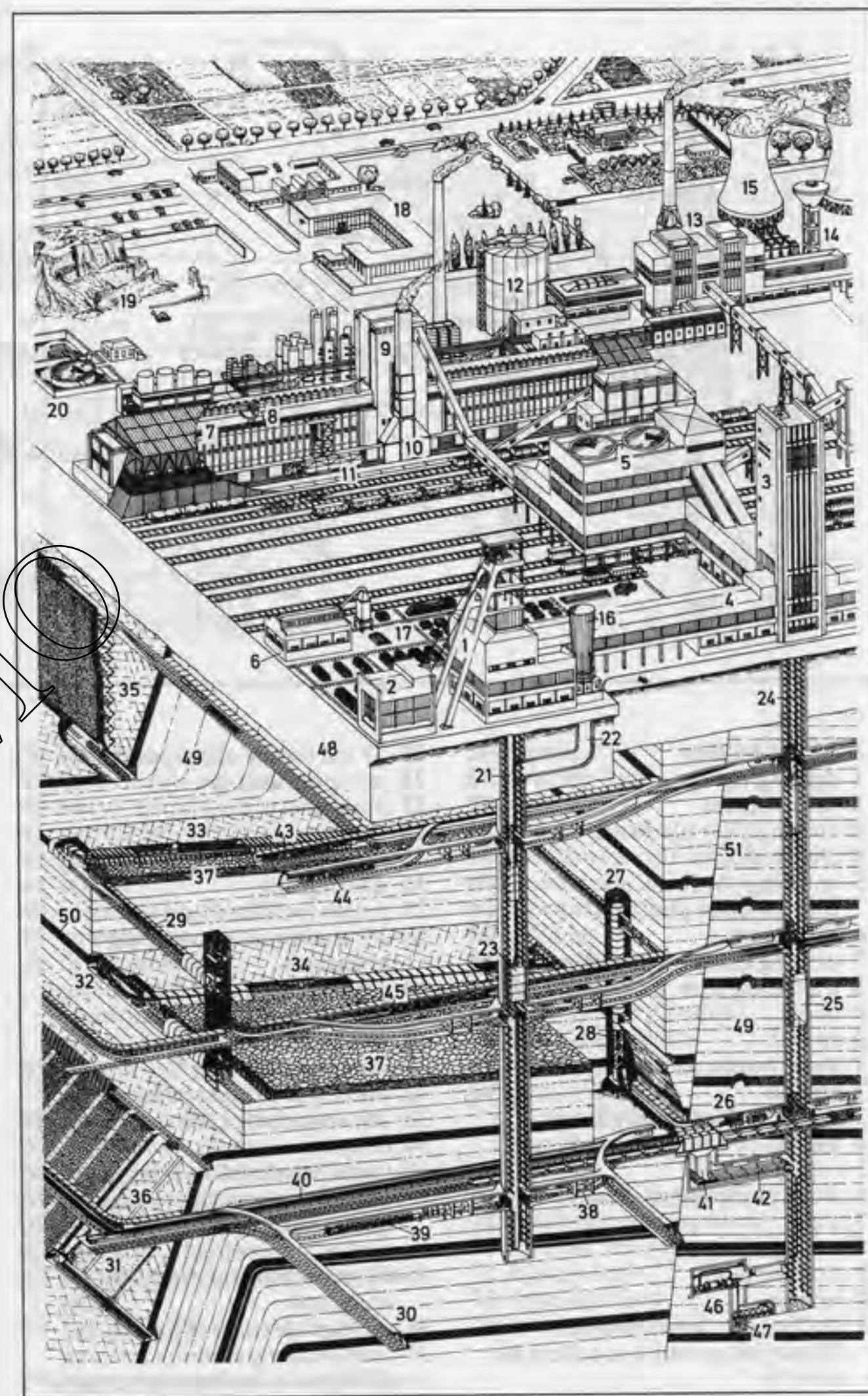
- 1 angle iron (angle)
- 2 leg (flange)
- 3-7 steel girders
- 3 T-iron (tee-iron)
- 4 vertical leg
- 5 flange
- 6 H-girder (H-beam)
- 7 E-channel (channel iron)
- 8 round bar
- 9 square iron (Am. square stock)
- 10 flat bar
- 11 strip steel
- 12 iron wire
- 13-50 screws and bolts
- 13 hexagonal-head bolt
- 14 head
- 15 shank
- 16 thread
- 17 washer
- 18 hexagonal nut
- 19 split pin
- 20 rounded end
- 21 width of head (of flats)
- 22 stud
- 23 point (end)
- 24 castle nut (castellated nut)
- 25 hole for the split pin
- 26 cross-head screw, a sheet-metal screw (self-tapping screw)
- 27 hexagonal socket head screw
- 28 countersunk-head bolt
- 29 catch
- 30 locknut (locking nut)
- 31 bolt (pin)
- 32 collar-head bolt
- 33 set collar (integral collar)
- 34 spring washer (washer)
- 35 round nut, an adjusting nut
- 36 cheese-head screw, a slotted screw
- 37 tapered pin
- 38 screw slot (screw slit, screw groove)
- 39 square-head bolt
- 40 grooved pin, a cylindrical pin
- 41 T-head bolt
- 42 wing nut (fly nut, butterfly nut)
- 43 rag bolt
- 44 barb
- 45 wood screw
- 46 countersunk head
- 47 wood screw thread
- 48 grub screw
- 49 pin slot (pin slit, pin groove)
- 50 round end
- 51 nail (wire nail)
- 52 head
- 53 shank
- 54 point

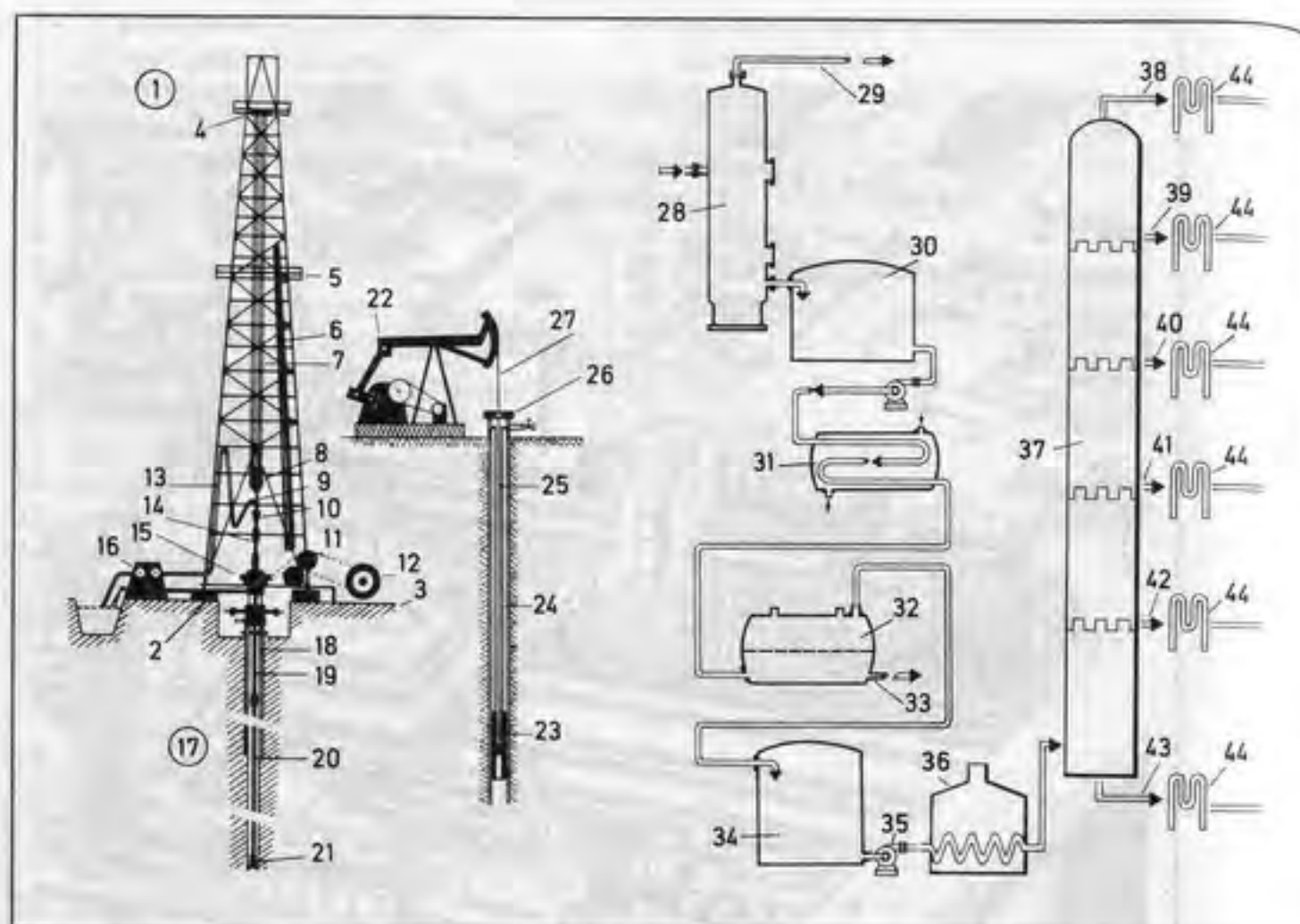
- 55 roofing nail
- 56 riveting (lap riveting)
- 57-60 rivet
- 57 set head (swage head, die head), a rivet head
- 58 rivet shank
- 59 closing head
- 60 pitch of rivets
- 61 shaft
- 62 chamfer (bevel)
- 63 journal
- 64 neck
- 65 seat
- 66 keyway
- 67 conical seat (cone)
- 68 thread
- 69 ball bearing, an antifriction bearing
- 70 steel ball (ball)
- 71 outer race
- 72 inner race
- 73-74 keys
- 73 sunk key (feather)
- 74 gib (gib-headed key)
- 75-76 needle roller bearing
- 75 needle cage
- 76 needle
- 77 castle nut (castellated nut)
- 78 split pin
- 79 casing
- 80 casing cover
- 81 grease nipple (lubricating nipple)
- 82-96 gear wheels, cog wheels
- 82 stepped gear wheel
- 83 cog (tooth)
- 84 space between teeth
- 85 keyway (key seat, key slot)
- 86 bore
- 87 herringbone gear wheel
- 88 spokes (arms)
- 89 helical gearing (helical spur wheel)
- 90 sprocket
- 91 bevel gear wheel (bevel wheel)
- 92-93 spiral tothing
- 92 pinion
- 93 crown wheel
- 94 epicyclic gear (planetary gear)
- 95 internal tothing
- 96 external tothing
- 97-107 absorption dynamometer
- 97 shoe brake (check brake, block brake)
- 98 brake pulley
- 99 brake shaft (brake axle)
- 100 brake block (brake shoe)
- 101 pull rod
- 102 brake magnet
- 103 brake weight
- 104 band brake
- 105 brake band
- 106 brake lining
- 107 adjusting screw, for even application of the brake



- 1-51 coal mine (colliery, pit)
- 1 pithead gear (headgear)
- 2 winding engine house
- 3 pithead frame (head frame)
- 4 pithead building
- 5 processing plant
- 6 sawmill
- 7-11 coking plant
- 7 battery of coke ovens
- 8 larry car (larry, charging car)
- 9 coking coal tower
- 10 coke-quenching tower
- 11 coke-quenching car
- 12 gasometer
- 13 power plant (power station)
- 14 water tower
- 15 cooling tower
- 16 mine fan
- 17 depot
- 18 administration building (office building, offices)
- 19 tip heap (spoil heap)
- 20 cleaning plant
- 21-51 underground workings (underground mining)
- 21 ventilation shaft
- 22 fan drift
- 23 cage-winding system with cages
- 24 main shaft
- 25 skip-winding system
- 26 winding inset
- 27 staple shaft
- 28 spiral chute
- 29 gallery along seam
- 30 lateral
- 31 cross-cut
- 32 tunnelling (*Am.* tunneling) machine
- 33-37 longwall faces
- 33 horizontal ploughed longwall face
- 34 horizontal cut longwall face
- 35 vertical pneumatic pick longwall face
- 36 diagonal ram longwall face
- 37 goaf (gob, waste)
- 38 air lock
- 39 transportation of men by cars
- 40 belt conveying
- 41 raw coal bunker
- 42 charging conveyor
- 43 transportation of supplies by monorail car

- 44 transportation of men by monorail car
- 45 transportation of supplies by mine car
- 46 drainage
- 47 sump (sink)
- 48 capping
- 49 [layer of] coal-bearing rock
- 50 coal seam
- 51 fault



**1-21 oil drilling**

- 1 drilling rig
- 2 substructure
- 3 crown safety platform
- 4 crown blocks
- 5 working platform, an intermediate platform
- 6 drill pipes
- 7 drilling cable (drilling line)
- 8 travelling (*Am.* traveling) block
- 9 hook
- 10 swivel
- 11 draw works, a hoist
- 12 engine
- 13 standpipe and rotary hose
- 14 kelly
- 15 rotary table
- 16 slush pump (mud pump)
- 17 well
- 18 casing
- 19 drilling pipe
- 20 tubing
- 21 drilling bit; *kinds:* fishtail (blade) bit, rock (*Am.* roller) bit, core bit

22-27 oil (crude oil) production

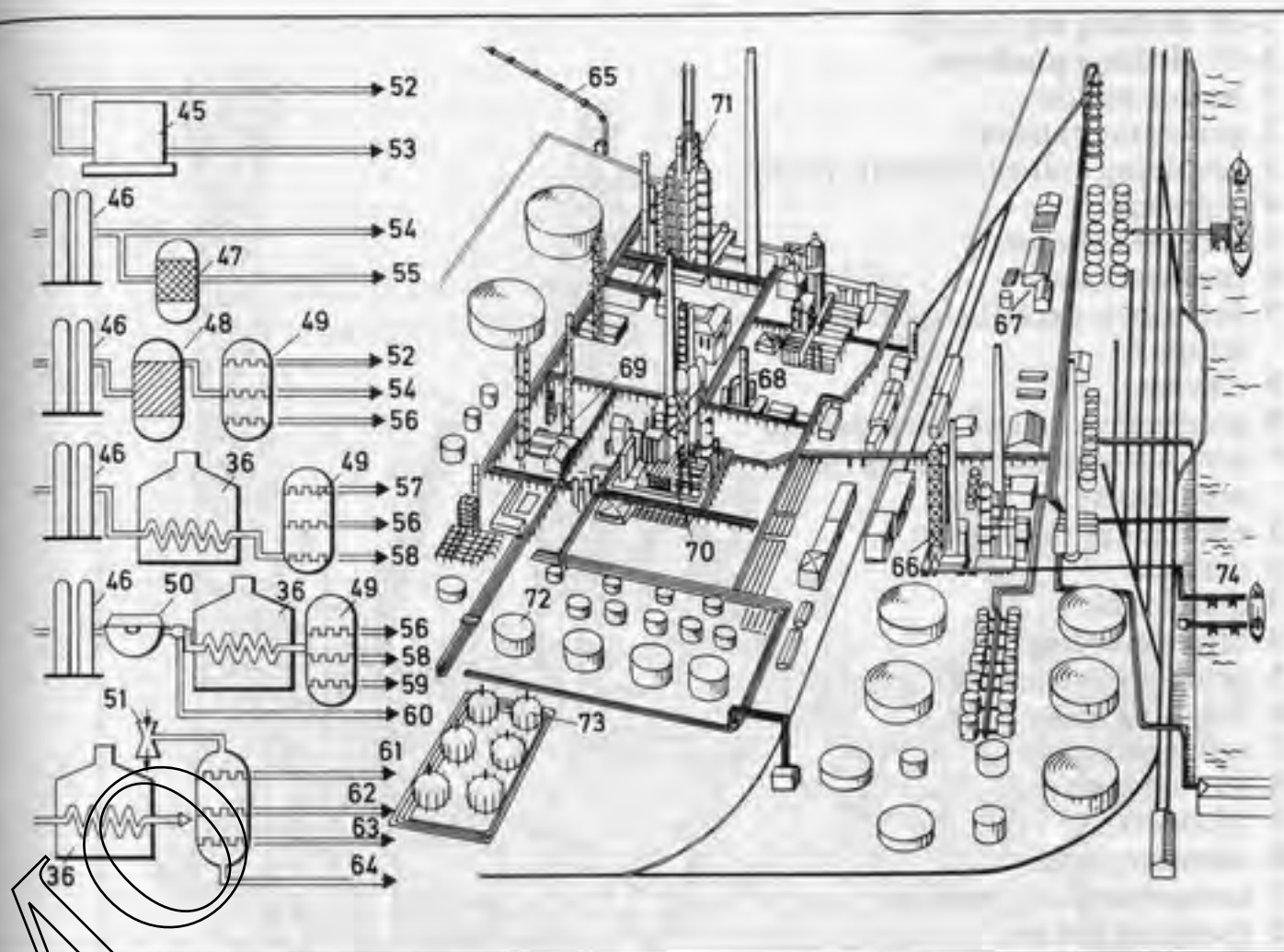
- 22 pumping unit (pump)
- 23 plunger
- 24 tubing
- 25 sucker rods (pumping rods)
- 26 stuffing box
- 27 polish (polished) rod

28-35 treatment of crude oil [diagram]

- 28 gas separator
- 29 gas pipe (gas outlet)
- 30 wet oil tank (wash tank)
- 31 water heater
- 32 water and brine separator
- 33 salt water pipe (salt water outlet)
- 34 oil tank
- 35 trunk pipeline for oil [to the refinery or transport by tanker lorry (*Am.* tank truck), oil tanker, or pipeline]

36-64 processing of crude oil [diagram]

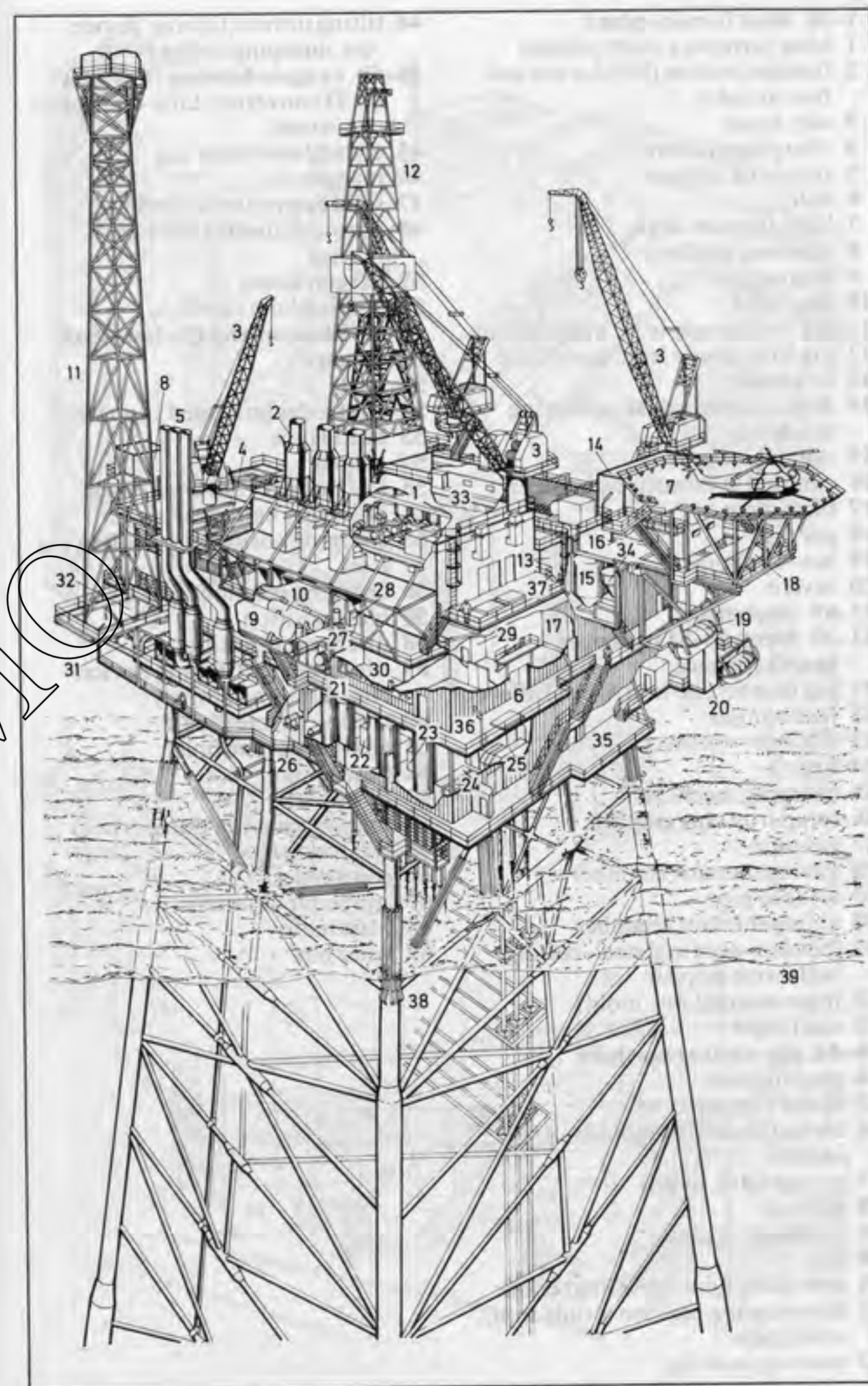
- 36 oil furnace (pipe still)
- 37 fractionating column (distillation column) with trays



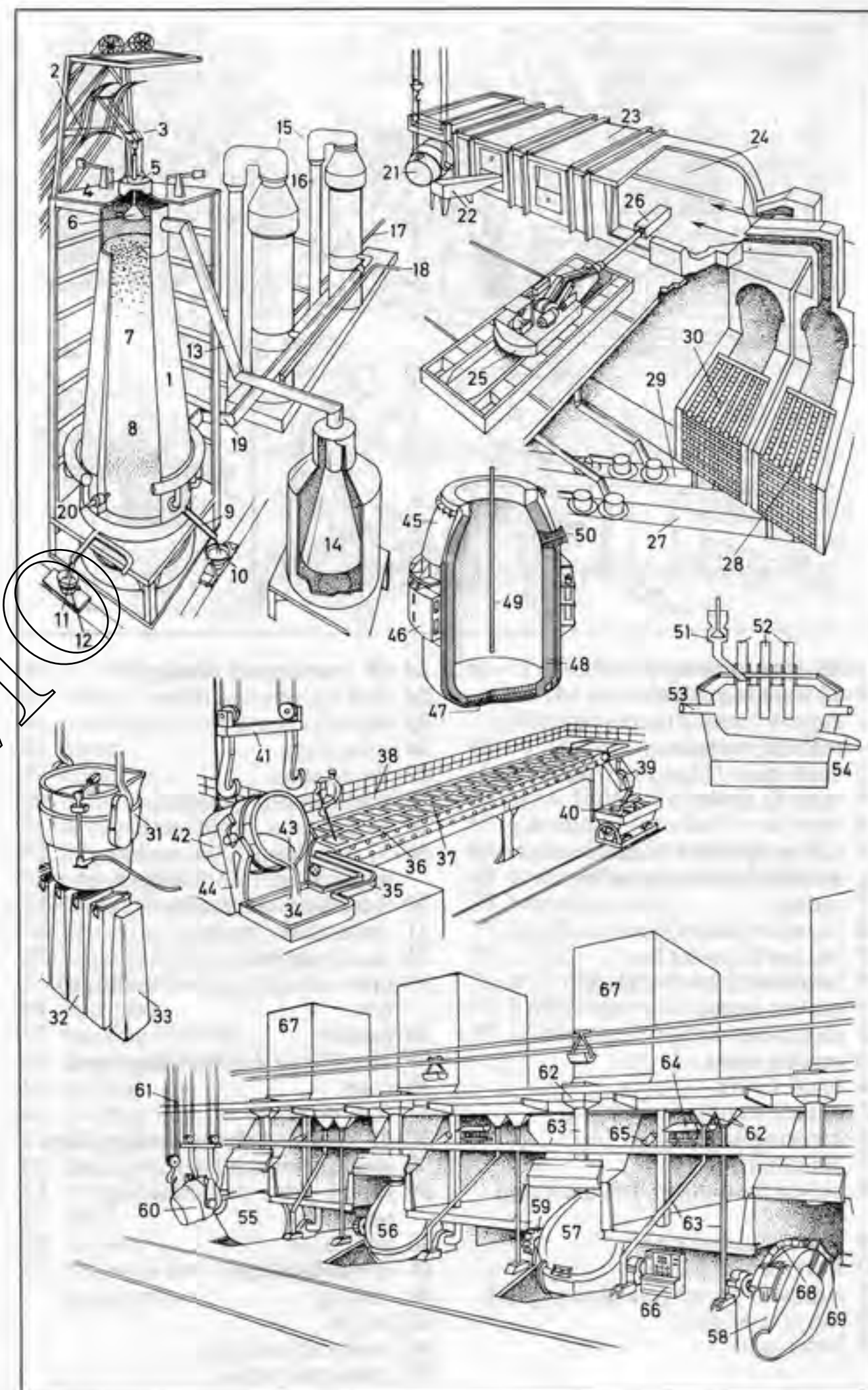
- 38 top gases (tops)
- 39 light distillation products
- 40 heavy distillation products
- 41 petroleum
- 42 gas oil component
- 43 residue
- 44 condenser (cooler)
- 45 compressor
- 46 desulphurizing (desulphurization, *Am.* desulfurizing, desulfurization) plant
- 47 reformer (hydroformer, platformer)
- 48 catalytic cracker (cat cracker)
- 49 distillation column
- 50 de-waxing (wax separation)
- 51 vacuum equipment
- 52-64 oil products
- 52 fuel gas
- 53 liquefied petroleum gas (liquid gas)
- 54 regular grade petrol (*Am.* gasoline)
- 55 super grade petrol (*Am.* gasoline)

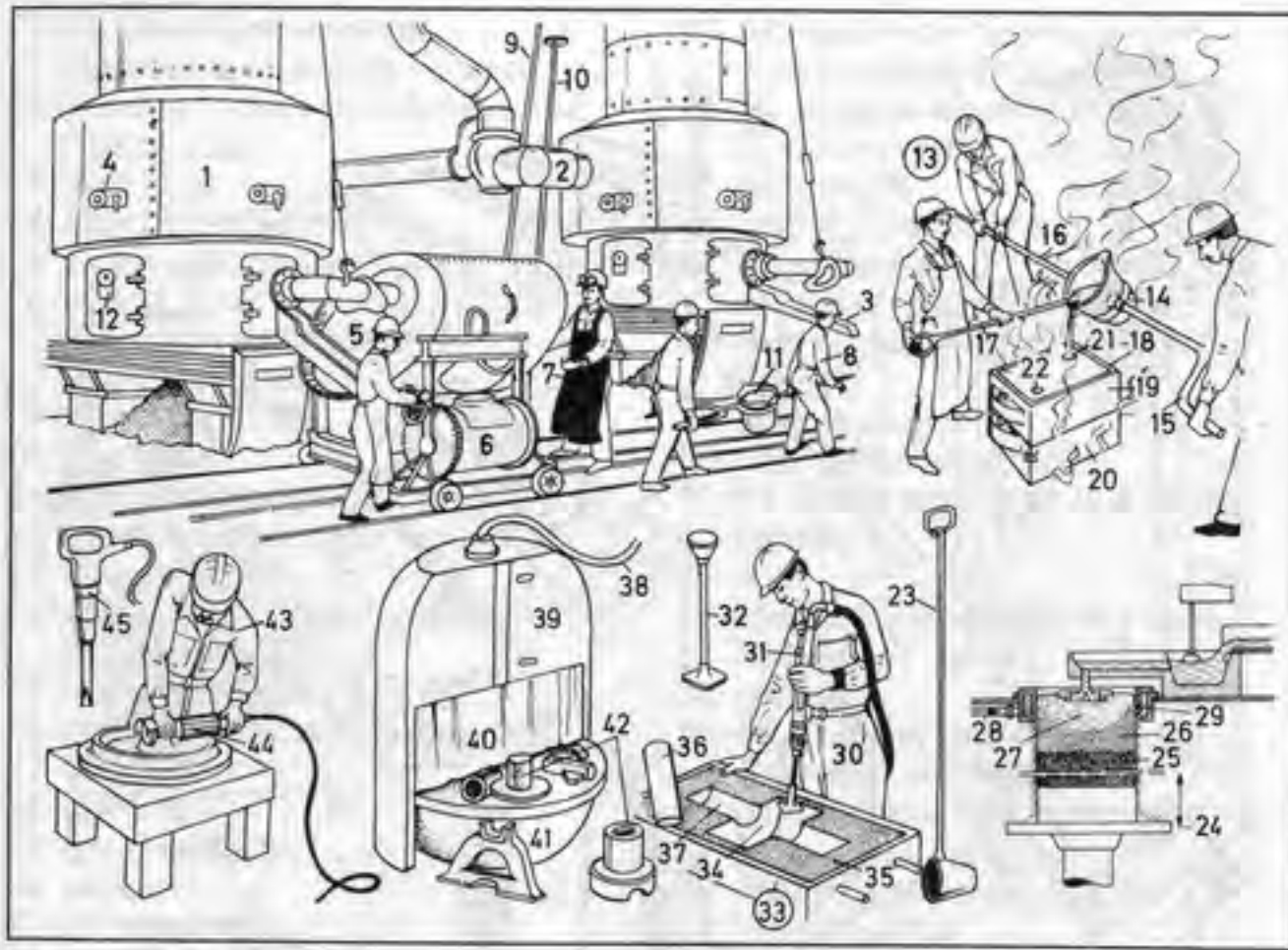
- 56 diesel oil
- 57 aviation fuel
- 58 light fuel oil
- 59 heavy fuel oil
- 60 paraffin (paraffin oil, kerosene)
- 61 spindle oil
- 62 lubricating oil
- 63 cylinder oil
- 64 bitumen
- 65-74 oil refinery
- 65 pipeline (oil pipeline)
- 66 distillation plants
- 67 lubricating oil refinery
- 68 desulphurizing (desulphurization, *Am.* desulfurizing, desulfurization) plant
- 69 gas-separating plant
- 70 catalytic cracking plant
- 71 catalytic reformer
- 72 storage tank
- 73 spherical tank
- 74 tanker terminal

- 1-39 drilling rig (oil rig)
 1-37 drilling platform
- 1 power station
 - 2 generator exhausts
 - 3 revolving crane (pedestal crane)
 - 4 piperack
 - 5 turbine exhausts
 - 6 materials store
 - 7 helicopter deck (heliport deck, heliport)
 - 8 elevator
 - 9 production oil and gas separator
 - 10 test oil and gas separators (test separators)
 - 11 emergency flare stack
 - 12 derrick
 - 13 diesel tank
 - 14 office building
 - 15 cement storage tanks
 - 16 drinking water tank
 - 17 salt water tank
 - 18 jet fuel tanks
 - 19 lifeboats
 - 20 elevator shaft
 - 21 compressed-air reservoir
 - 22 pumping station
 - 23 air compressor
 - 24 air lock
 - 25 seawater desalination plant
 - 26 inlet filters for diesel fuel
 - 27 gas cooler
 - 28 control panel for the separators
 - 29 toilets (lavatories)
 - 30 workshop
 - 31 pig trap [the 'pig' is used to clean the oil pipeline]
 - 32 control room
 - 33 accommodation modules (accommodation)
 - 34 high-pressure cementing pumps
 - 35 lower deck
 - 36 middle deck
 - 37 top deck (main deck)
 - 38 substructure
 - 39 mean sea level



- 1-20 blast furnace plant**
- 1 blast furnace, a shaft furnace
 - 2 furnace incline (lift) for ore and flux or coke
 - 3 skip hoist
 - 4 charging platform
 - 5 receiving hopper
 - 6 bell
 - 7 blast furnace shaft
 - 8 smelting section
 - 9 slag escape
 - 10 slag ladle
 - 11 pig iron (crude iron, iron) runout
 - 12 pig iron (crude iron, iron) ladle
 - 13 downtake
 - 14 dust catcher, a dust-collecting machine
 - 15 hot-blast stove
 - 16 external combustion chamber
 - 17 blast main
 - 18 gas pipe
 - 19 hot-blast pipe
 - 20 tuyère
- 21-69 steelworks**
- 21-30 Siemens-Martin open-hearth furnace**
- 21 pig iron (crude iron, iron) ladle
 - 22 feed runner
 - 23 stationary furnace
 - 24 hearth
 - 25 charging machine
 - 26 scrap iron charging box
 - 27 gas pipe
 - 28 gas regenerator chamber
 - 29 air feed pipe
 - 30 air regenerator chamber
 - 31 [bottom-pouring] steel-casting ladle with stopper
 - 32 ingot mould (*Am.* mold)
 - 33 steel ingot
- 34-44 pig-casting machine**
- 34 pouring end
 - 35 metal runner
 - 36 series (strand) of moulds (*Am.* molds)
 - 37 mould (*Am.* mold)
 - 38 catwalk
 - 39 discharging chute
 - 40 pig
 - 41 travelling (*Am.* traveling) crane
 - 42 top-pouring pig iron (crude iron, iron) ladle
 - 43 pouring ladle lip
- 44 tilting device (tipping device, *Am.* dumping device)**
- 45-50 oxygen-blowing converter (L-D converter, Linz-Donawitz converter)**
- 45 conical converter top
 - 46 mantle
 - 47 solid converter bottom
 - 48 fireproof lining (refractory lining)
 - 49 oxygen lance
 - 50 tapping hole (tap hole)
- 51-54 Siemens electric low-shaft furnace**
- 51 feed
 - 52 electrodes [arranged in a circle]
 - 53 bustle pipe
 - 54 runout
- 55-69 Thomas converter (basic Bessemer converter)**
- 55 charging position for molten pig iron
 - 56 charging position for lime
 - 57 blow position
 - 58 discharging position
 - 59 tilting device (tipping device, *Am.* dumping device)
 - 60 crane-operated ladle
 - 61 auxiliary crane hoist
 - 62 lime bunker
 - 63 downpipe
 - 64 tipping car (*Am.* dump truck)
 - 65 scrap iron feed
 - 66 control desk
 - 67 converter chimney
 - 68 blast main
 - 69 wind box





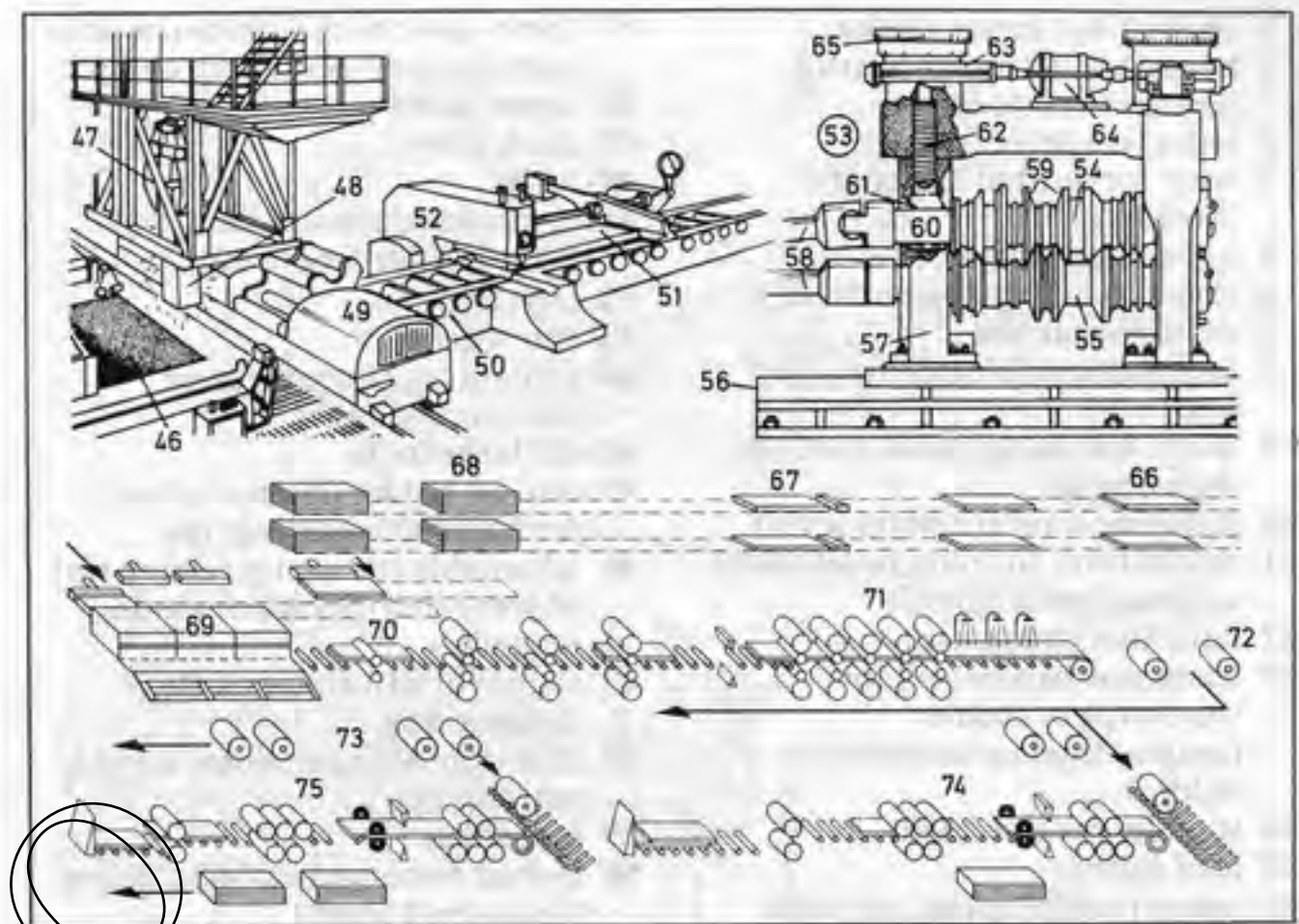
1-45 iron foundry

1-12 melting plant

- 1 cupola furnace (cupola), a melting furnace
- 2 blast main (blast inlet, blast pipe)
- 3 tapping spout
- 4 spyhole
- 5 tilting-type hot-metal receiver
- 6 mobile drum-type ladle
- 7 melter
- 8 founder (caster)
- 9 tap bar (tapping bar)
- 10 bott stick (*Am.* bot stick)
- 11 molten iron
- 12 slag spout
- 13 casting team
- 14 hand shank
- 15 double handle (crutch)
- 16 carrying bar
- 17 skimmer rod
- 18 closed moulding (*Am.* molding) box
- 19 upper frame (cope)
- 20 lower frame (drag)
- 21 runner (runner gate, down-gate)
- 22 riser (riser gate)
- 23 hand ladle

24-29 continuous casting

- 24 sinking pouring floor
- 25 solidifying pig
- 26 solid stage
- 27 liquid stage
- 28 water-cooling system
- 29 mould (*Am.* mold) wall
- 30-37 **moulding** (*Am.* molding) department (*moulding shop*)
- 30 moulder (*Am.* molder)
- 31 pneumatic rammer
- 32 hand rammer
- 33 open moulding (*Am.* molding) box
- 34 pattern
- 35 moulding (*Am.* molding) sand
- 36 core
- 37 core print
- 38-45 **cleaning shop** (*fettling shop*)
- 38 steel grit or sand delivery pipe
- 39 rotary-table shot-blasting machine
- 40 grit guard
- 41 revolving table
- 42 casting
- 43 fettler
- 44 pneumatic grinder
- 45 pneumatic chisel



46-75 rolling mill

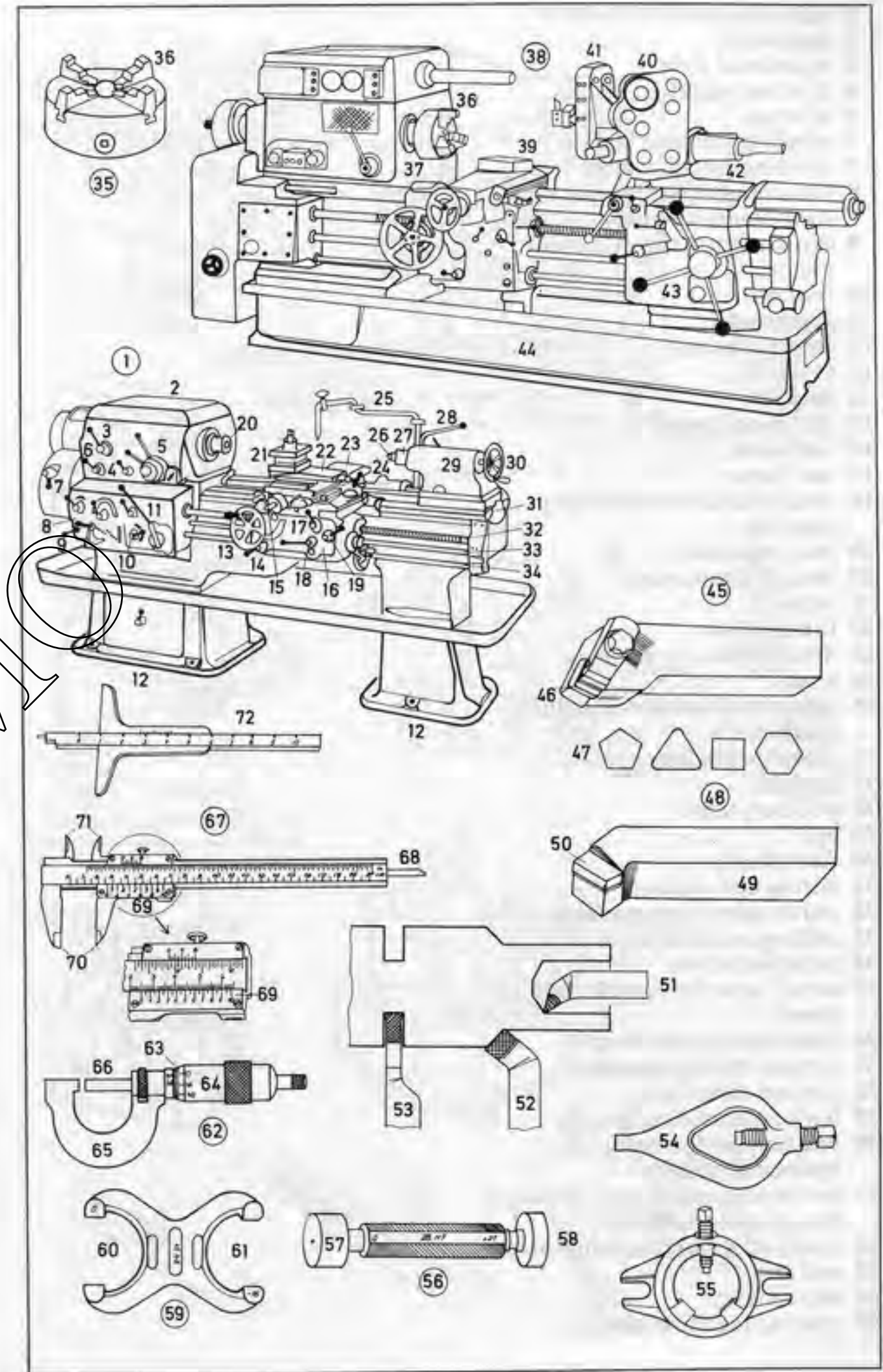
- 46 soaking pit
- 47 soaking pit crane
- 48 ingot
- 49 ingot tipper
- 50 blooming train (roller path)
- 51 workpiece
- 52 bloom shears
- 53 two-high mill
- 54-55 **set of rolls** (set of rollers)
- 54 upper roll (upper roller)
- 55 lower roll (lower roller)
- 56-60 **roll stand**
- 56 base plate
- 57 housing (frame)
- 58 coupling spindle
- 59 groove
- 60 roll bearing
- 61-65 **adjusting equipment**
- 61 chock
- 62 main screw
- 63 gear
- 64 motor
- 65 indicator for rough and fine adjustment

66-75 continuous rolling mill train for the manufacture of strip [diagram]

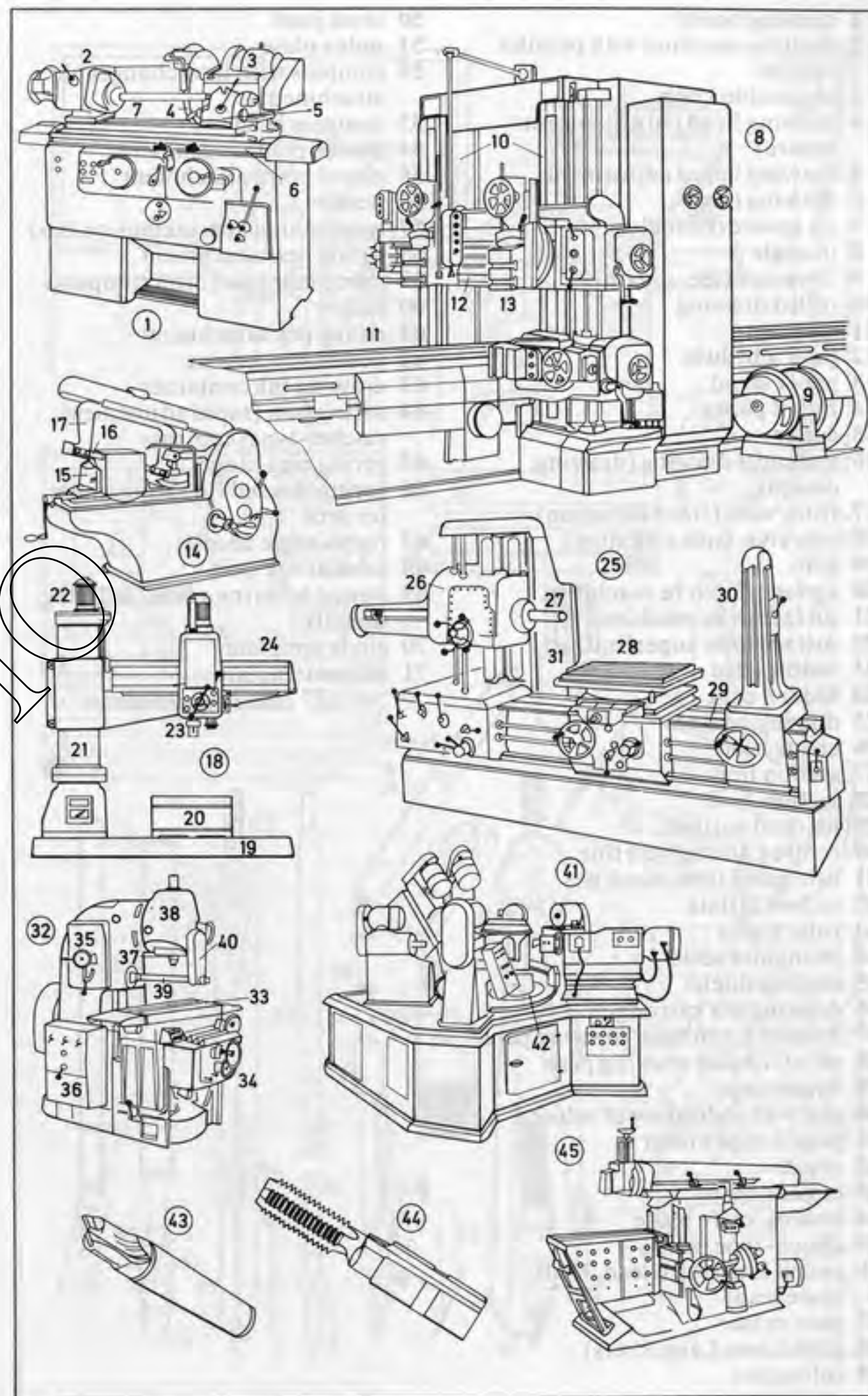
- 66-68 processing of semi-finished product
- 66 semi-finished product
- 67 gas cutting installation
- 68 stack of finished steel sheets
- 69 continuous reheating furnaces
- 70 blooming train
- 71 finishing train
- 72 coiler
- 73 collar bearing for marketing
- 74 5 mm shearing train
- 75 10 mm shearing train

- 1 centre (*Am.* center) lathe
- 2 headstock with gear control (geared headstock)
- 3 reduction drive lever
- 4 lever for normal and coarse threads
- 5 speed change lever
- 6 leadscrew reverse-gear lever
- 7 change-gear box
- 8 feed gearbox (Norton tumbler gear)
- 9 levers for changing the feed and thread pitch
- 10 feed gear lever (tumbler lever)
- 11 switch lever for right or left hand action of main spindle
- 12 lathe foot (footpiece)
- 13 leadscrew handwheel for traversing of saddle (longitudinal movement of saddle)
- 14 tumbler reverse lever
- 15 feed screw
- 16 apron (saddle apron, carriage apron)
- 17 lever for longitudinal and transverse motion
- 18 drop (dropping) worm (feed trip, feed tripping device) for engaging feed mechanisms
- 19 lever for engaging half nut of leadscrew (lever for clasp nut engagement)
- 20 lathe spindle
- 21 tool post
- 22 top slide (tool slide, tool rest)
- 23 cross slide
- 24 bed slide
- 25 coolant supply pipe
- 26 tailstock centre (*Am.* center)
- 27 barrel (tailstock barrel)
- 28 tailstock barrel clamp lever
- 29 tailstock
- 30 tailstock barrel adjusting handwheel
- 31 lathe bed
- 32 leadscrew
- 33 feed shaft
- 34 reverse shaft for right and left hand motion and engaging and disengaging
- 35 four-jaw chuck (four-jaw independent chuck)
- 36 gripping jaw

- 37 three-jaw chuck (three-jaw self-centring, self-centering, chuck)
- 38 turret lathe
- 39 cross slide
- 40 turret
- 41 combination toolholder (multiple turning head)
- 42 top slide
- 43 star wheel
- 44 coolant tray for collecting coolant and swarf
- 45-53 lathe tools
- 45 tool bit holder (clamp tip tool) for adjustable cutting tips
- 46 adjustable cutting tip (clamp tip) of cemented carbide or oxide ceramic
- 47 shapes of adjustable oxide ceramic tips
- 48 lathe tool with cemented carbide cutting edge
- 49 tool shank
- 50 brazed cemented carbide cutting tip (cutting edge)
- 51 internal facing tool (boring tool) for corner work
- 52 general-purpose lathe tool
- 53 parting (parting-off) tool
- 54 lathe carrier
- 55 driving (driver) plate
- 56-72 measuring instruments
- 56 plug gauge (*Am.* gage)
- 57 'GO' gauging (*Am.* gaging) member (end)
- 58 'NOT GO' gauging (*Am.* gaging) member (end)
- 59 calliper (caliper, snap) gauge (*Am.* gage)
- 60 'GO' side
- 61 'NOT GO' side
- 62 micrometer
- 63 measuring scale
- 64 graduated thimble
- 65 frame
- 66 spindle (screwed spindle)
- 67 vernier calliper (caliper) gauge (*Am.* gage)
- 68 depth gauge (*Am.* gage) attachment rule
- 69 vernier scale
- 70 outside jaws
- 71 inside jaws
- 72 vernier depth gauge (*Am.* gage)

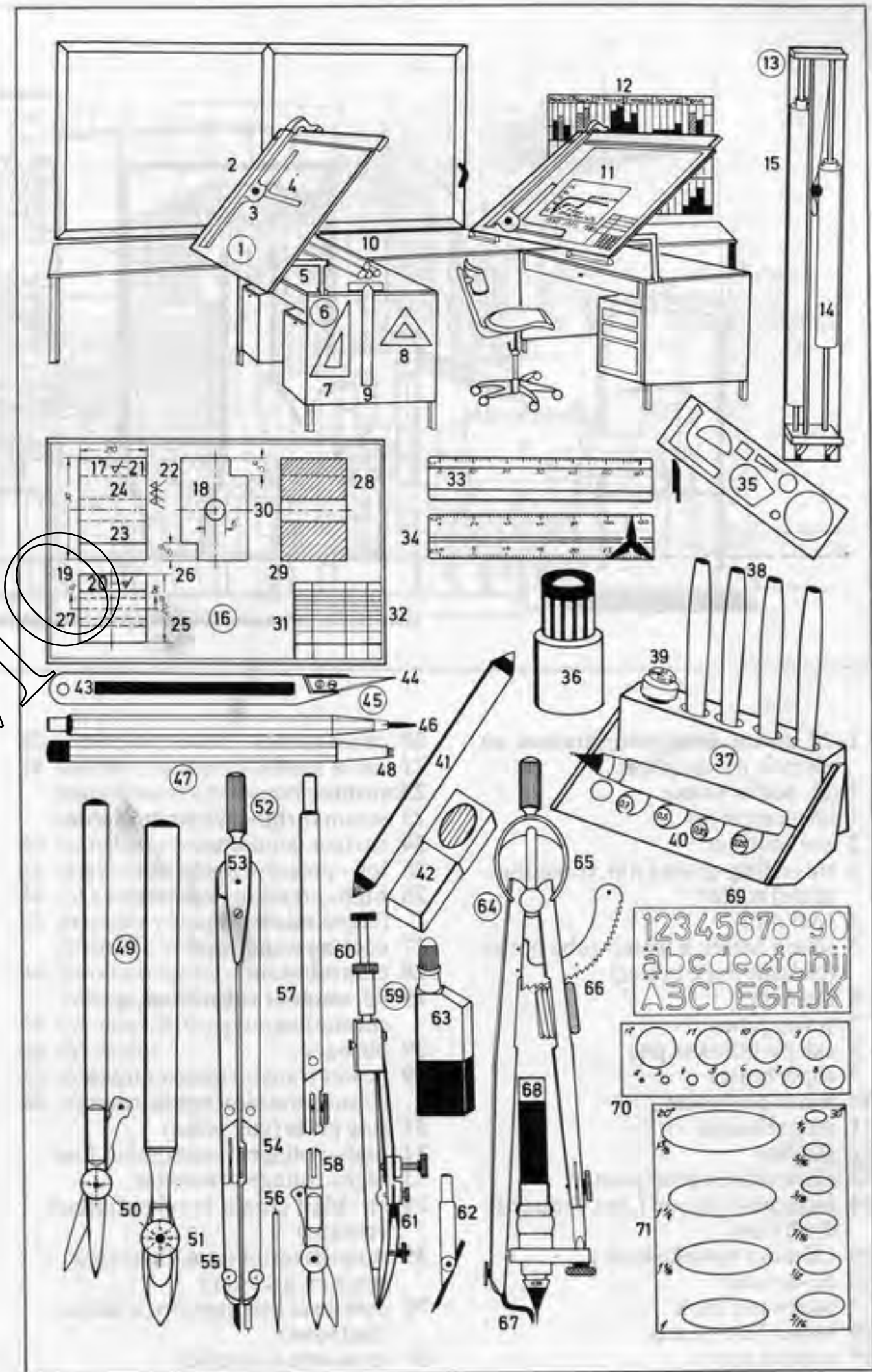


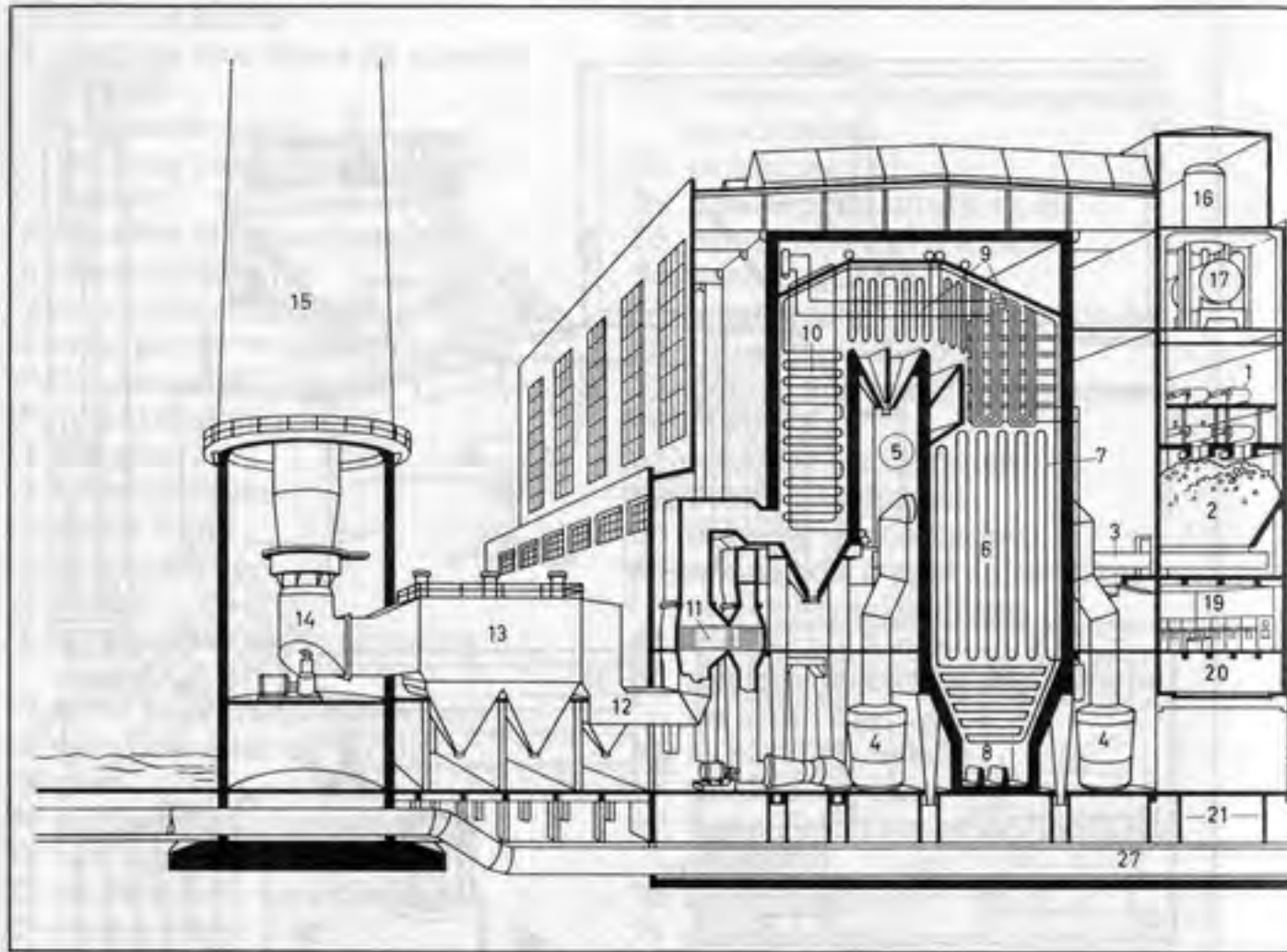
- 1 universal grinding machine
- 2 headstock
- 3 wheelhead slide
- 4 grinding wheel
- 5 tailstock
- 6 grinding machine bed
- 7 grinding machine table
- 8 two-column planing machine (two-column planer)
- 9 drive motor, a direct current motor
- 10 column
- 11 planer table
- 12 cross slide (rail)
- 13 tool box
- 14 hacksaw
- 15 clamping device
- 16 saw blade
- 17 saw frame
- 18 radial (radial-arm) drilling machine
- 19 bed (base plate)
- 20 block for workpiece
- 21 pillar
- 22 lifting motor
- 23 drill spindle
- 24 arm
- 25 horizontal boring and milling machine
- 26 movable headstock
- 27 spindle
- 28 auxiliary table
- 29 bed
- 30 fixed steady
- 31 boring mill column
- 32 universal milling machine
- 33 milling machine table
- 34 table feed drive
- 35 switch lever for spindle rotation speed
- 36 control box (control unit)
- 37 vertical milling spindle
- 38 vertical drive head
- 39 horizontal milling spindle
- 40 end support for steadying horizontal spindle
- 41 machining centre (*Am. center*), a rotary-table machine
- 42 rotary (circular) indexing table
- 43 end mill
- 44 machine tap
- 45 shaping machine (shaper)



DEMO

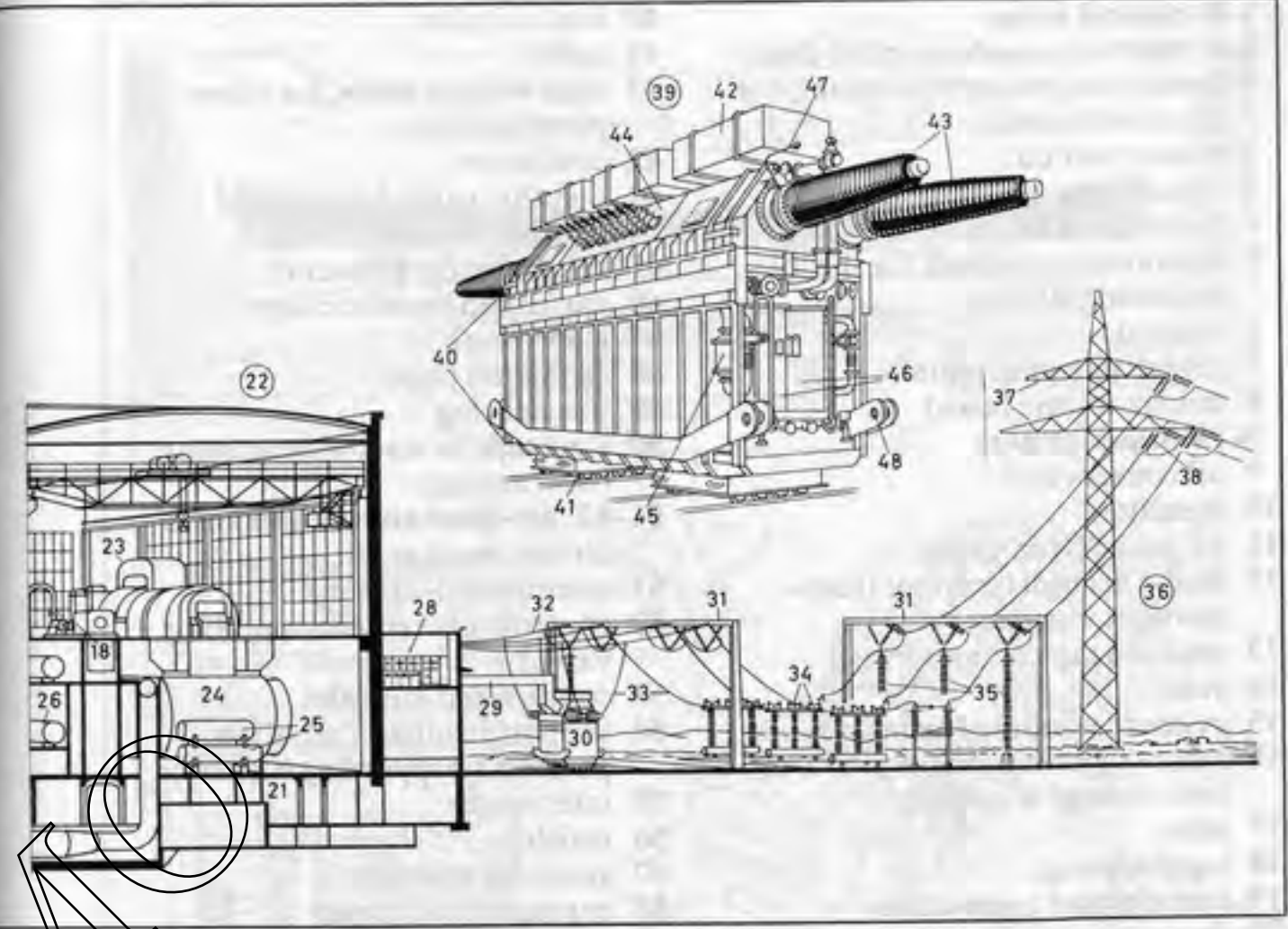
- 1 drawing board
- 2 drafting machine with parallel motion
- 3 adjustable knob
- 4 drawing head (adjustable set square)
- 5 drawing board adjustment
- 6 drawing table
- 7 set square (triangle)
- 8 triangle
- 9 T-square (tee-square)
- 10 rolled drawing
- 11 diagram
- 12 time schedule
- 13 paper stand
- 14 roll of paper
- 15 cutter
- 16 technical drawing (drawing, design)
- 17 front view (front elevation)
- 18 side view (side elevation)
- 19 plan
- 20 surface not to be machined
- 21 surface to be machined
- 22 surface to be superfinished
- 23 visible edge
- 24 hidden edge
- 25 dimension line
- 26 arrow head
- 27 section line
- 28 section A-B
- 29 hatched surface
- 30 centre (*Am.* center) line
- 31 title panel (title block)
- 32 technical data
- 33 ruler (rule)
- 34 triangular scale
- 35 erasing shield
- 36 drawing ink cartridge
- 37 holders for tubular drawing pens
- 38 set of tubular drawing pens
- 39 hygrometer
- 40 cap with indication of nib size
- 41 pencil-type eraser
- 42 eraser
- 43 erasing knife
- 44 erasing knife blade
- 45 clutch-type pencil
- 46 pencil lead (refill lead, refill, spare lead)
- 47 glass eraser
- 48 glass fibres (*Am.* fibers)
- 49 ruling pen
- 50 cross joint
- 51 index plate
- 52 compass with interchangeable attachments
- 53 compass head
- 54 needle point attachment
- 55 pencil point attachment
- 56 needle
- 57 lengthening arm (extension bar)
- 58 ruling pen attachment
- 59 pump compass (drop compass)
- 60 piston
- 61 ruling pen attachment
- 62 pencil attachment
- 63 drawing ink container
- 64 spring bow (rapid adjustment, ratchet-type) compass
- 65 spring ring hinge
- 66 spring-loaded fine adjustment for arcs
- 67 right-angle needle
- 68 tubular ink unit
- 69 stencil lettering guide (lettering stencil)
- 70 circle template
- 71 ellipse template





- 1-28 steam-generating station, an electric power plant
- 1-21 boiler house
- 1 coal conveyor
- 2 coal bunker
- 3 travelling-grate (*Am.* traveling-grate) stoker
- 4 coal mill
- 5 steam boiler, a water-tube boiler (radiant-type boiler)
- 6 burners
- 7 water pipes
- 8 ash pit (clinker pit)
- 9 superheater
- 10 water preheater
- 11 air preheater
- 12 gas flue
- 13 electrostatic precipitator
- 14 induced-draught (*Am.* induced-draft) fan
- 15 chimney (smokestack)
- 16 de-aerator
- 17 feedwater tank
- 18 boiler feed pump
- 19 control room

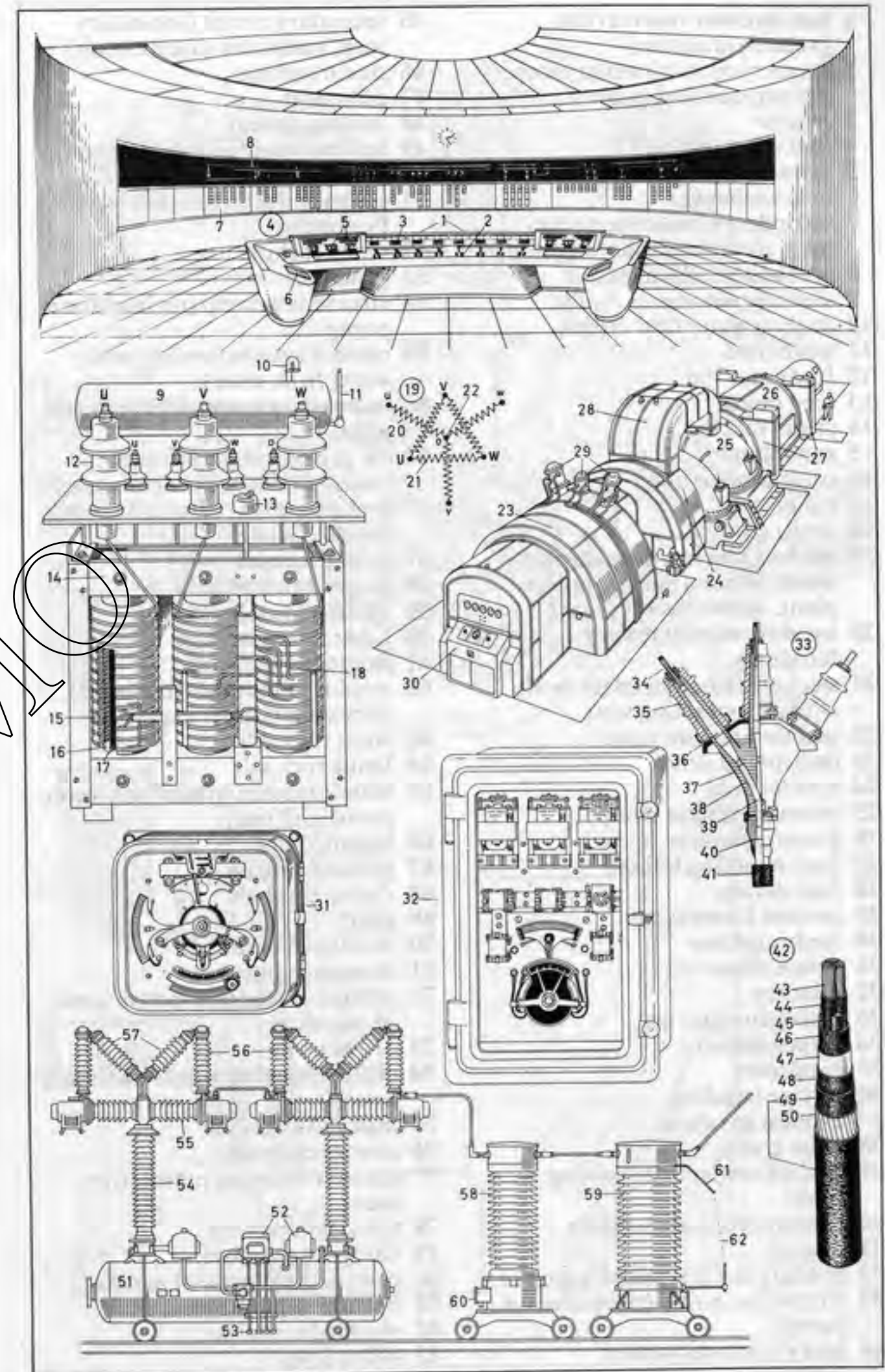
- 20 cable tunnel
- 21 cable vault
- 22 turbine house
- 23 steam turbine with alternator
- 24 surface condenser
- 25 low-pressure preheater
- 26 high-pressure preheater (economizer)
- 27 cooling water pipe
- 28 control room
- 29-35 outdoor substation, a substation
- 29 busbars
- 30 power transformer, a mobile (transportable) transformer
- 31 stay poles (guy poles)
- 32 high-voltage transmission line
- 33 high-voltage conductor
- 34 air-blast circuit breaker (circuit breaker)
- 35 surge diverter (*Am.* lightning arrester, arrester)
- 36 overhead line support, a lattice steel tower
- 37 cross arm (traverse)



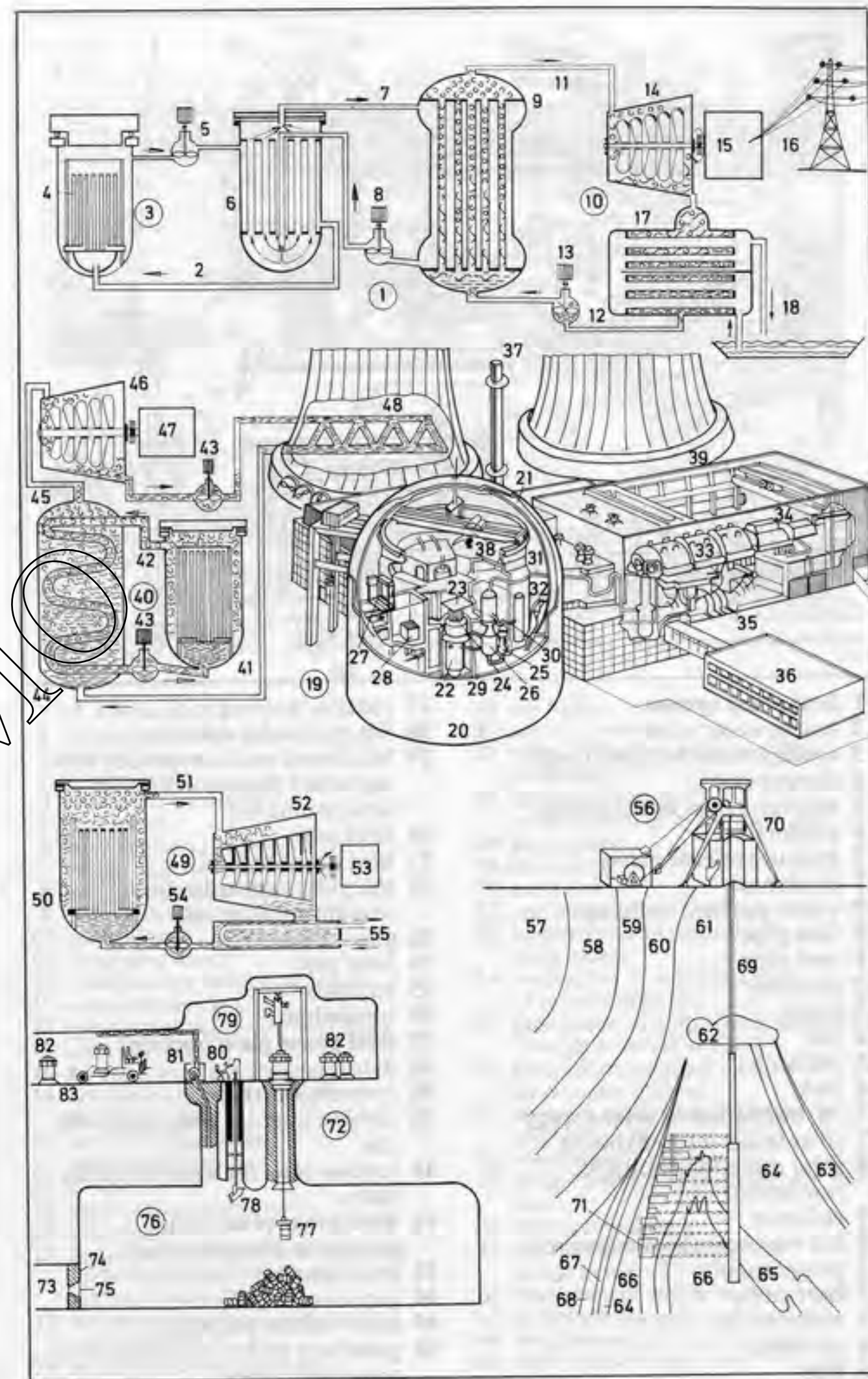
- 38 strain insulator
- 39 mobile (transportable) transformer (power transformer, transformer)
- 40 transformer tank
- 41 bogie (*Am.* truck)
- 42 oil conservator
- 43 primary voltage terminal (primary voltage bushing)
- 44 low-voltage terminals (low-voltage bushings)
- 45 oil-circulating pump
- 46 oil cooler
- 47 arcing horn
- 48 transport lug

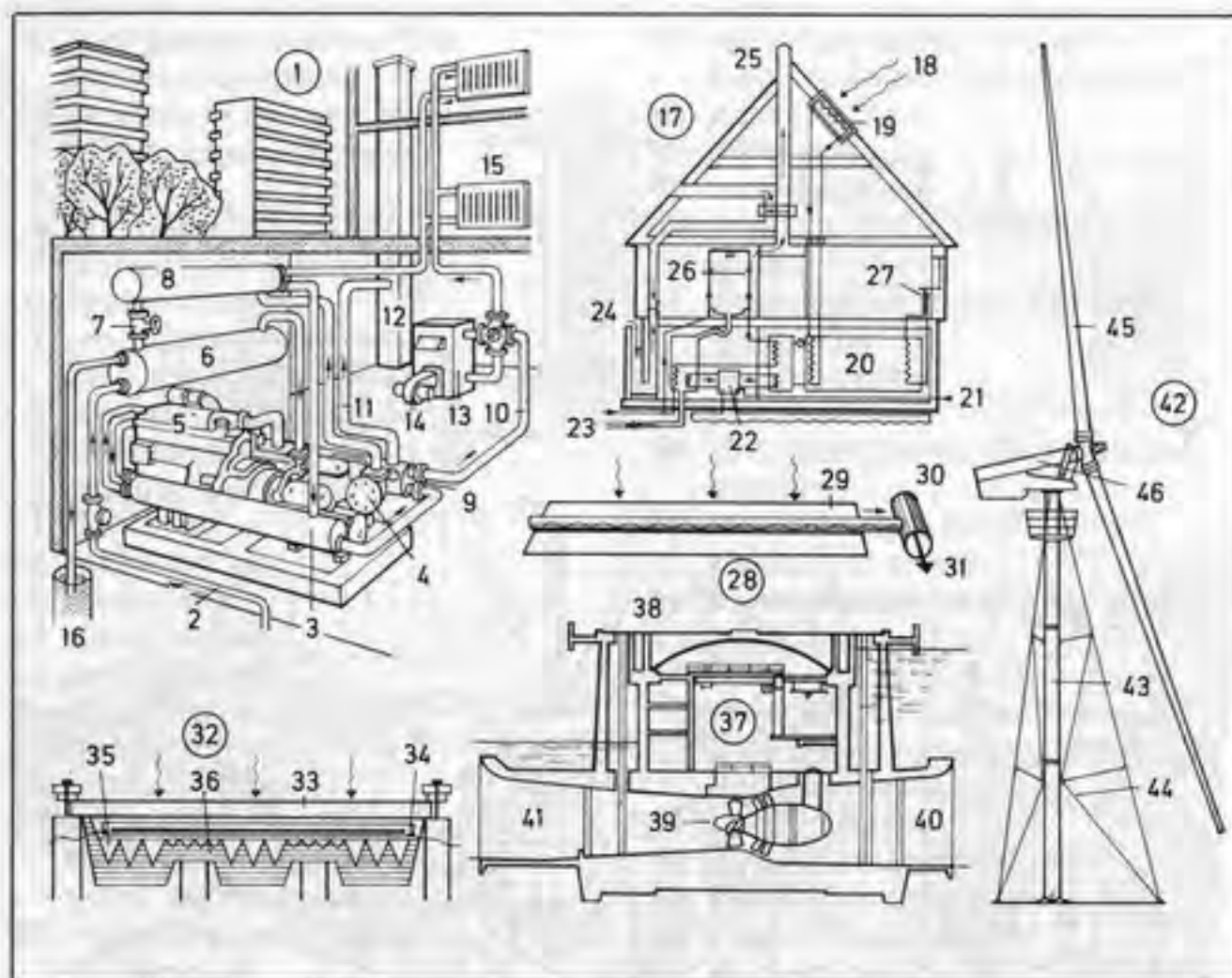
- 1-8 control room
- 1-6 control console (control desk)
- 1 control board (control panel) for the alternators
- 2 master switch
- 3 signal light
- 4 feeder panel
- 5 monitoring controls for the switching systems
- 6 controls
- 7 revertive signal panel
- 8 matrix mimic board
- 9-18 transformer
- 9 oil conservator
- 10 breather
- 11 oil gauge (Am. gage)
- 12 feed-through terminal (feed-through insulator)
- 13 on-load tap changer
- 14 yoke
- 15 primary winding (primary)
- 16 secondary winding (secondary, low-voltage winding)
- 17 core
- 18 tap (tapping)
- 19 transformer connection
- 20 star connection (star network, Y-connection)
- 21 delta connection (mesh connection)
- 22 neutral point
- 23-30 steam turbine, a turbogenerator unit
- 23 high-pressure cylinder
- 24 medium-pressure cylinder
- 25 low-pressure cylinder
- 26 three-phase generator (generator)
- 27 hydrogen cooler
- 28 leakage steam path
- 29 jet nozzle
- 30 turbine monitoring panel with measuring instruments
- 31 automatic voltage regulator
- 32 synchro
- 33 cable box
- 34 conductor
- 35 feed-through terminal (feed-through insulator)
- 36 core
- 37 casing
- 38 filling compound (filler)
- 39 lead sheath

- 40 lead-in tube
- 41 cable
- 42 high voltage cable, for three-phase current
- 43 conductor
- 44 metallic paper (metallized paper)
- 45 tracer (tracer element)
- 46 varnished-cambric tape
- 47 lead sheath
- 48 asphalted paper
- 49 jute serving
- 50 steel tape or steel wire armour (Am. armor)
- 51-62 air-blast circuit breaker, a circuit breaker
- 51 compressed-air tank
- 52 control valve (main operating valve)
- 53 compressed-air inlet
- 54 support insulator, a hollow porcelain supporting insulator
- 55 interrupter
- 56 resistor
- 57 auxiliary contacts
- 58 current transformer
- 59 voltage transformer (potential transformer)
- 60 operating mechanism housing
- 61 arcing horn
- 62 spark gap

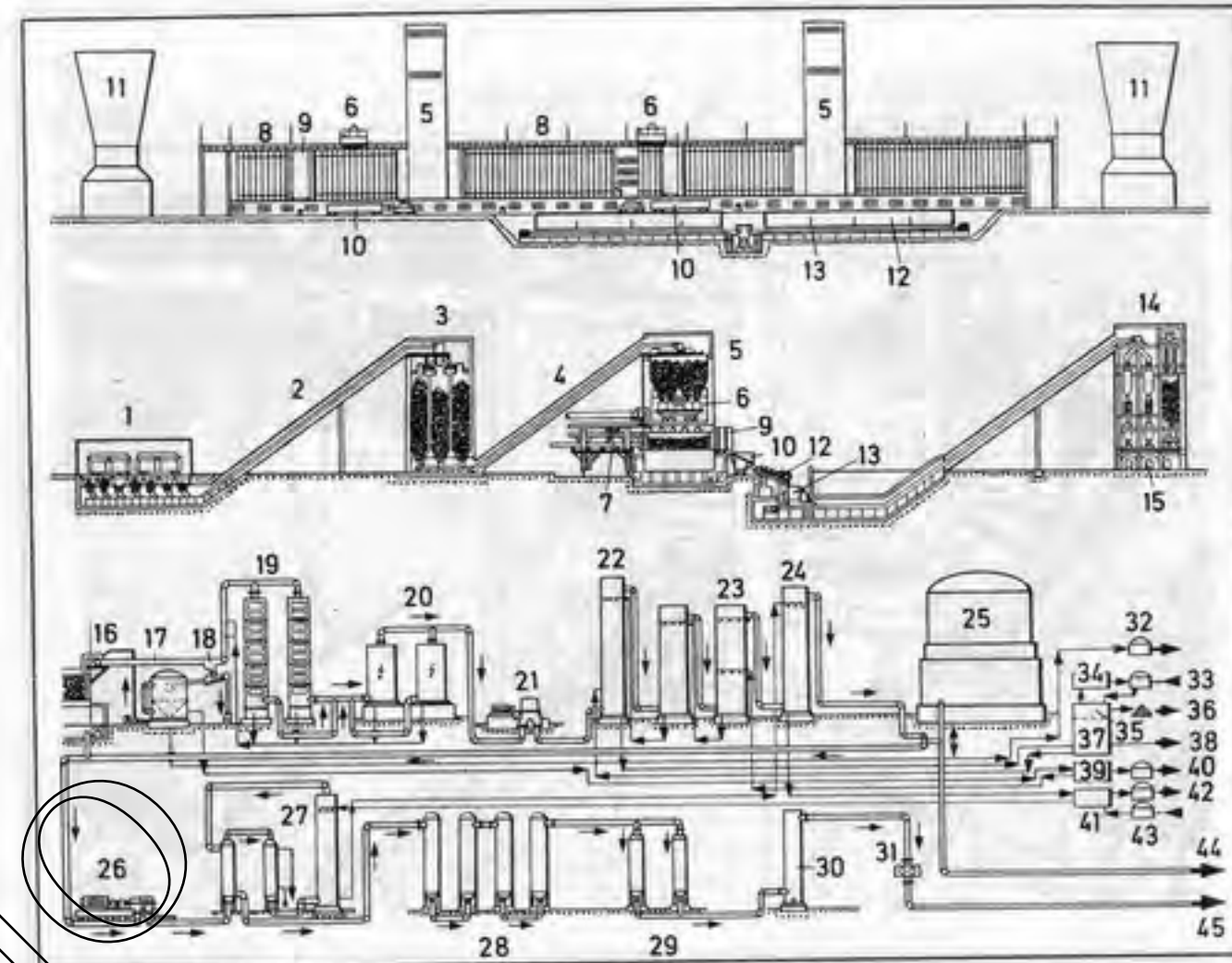


- 1 fast-breeder reactor (fast breeder) [diagram]
- 2 primary circuit (primary loop, primary sodium system)
- 3 reactor
- 4 fuel rods (fuel pins)
- 5 primary sodium pump
- 6 heat exchanger
- 7 secondary circuit (secondary loop, secondary sodium system)
- 8 secondary sodium pump
- 9 steam generator
- 10 cooling water flow circuit
- 11 steam line
- 12 feedwater line
- 13 feed pump
- 14 steam turbine
- 15 generator
- 16 transmission line
- 17 condenser
- 18 cooling water
- 19 nuclear reactor, a pressurized-water reactor (nuclear power plant, atomic power plant)
- 20 concrete shield (reactor building)
- 21 steel containment (steel shell) with air extraction vent
- 22 reactor pressure vessel
- 23 control rod drive
- 24 control rods
- 25 primary coolant pump
- 26 steam generator
- 27 fuel-handling hoists
- 28 fuel storage
- 29 coolant flow passage
- 30 feedwater line
- 31 prime steam line
- 32 manway
- 33 turbogenerator set
- 34 turbogenerator
- 35 condenser
- 36 service building
- 37 exhaust gas stack
- 38 polar crane
- 39 cooling tower, a dry cooling tower
- 40 pressurized-water system
- 41 reactor
- 42 primary circuit (primary loop)
- 43 circulation pump (recirculation pump)
- 44 heat exchanger (steam generator)
- 45 secondary circuit (secondary loop, feedwater steam circuit)
- 46 steam turbine
- 47 generator
- 48 cooling system
- 49 boiling water system [diagram]
- 50 reactor
- 51 steam and recirculation water flow paths
- 52 steam turbine
- 53 generator
- 54 circulation pump (recirculation pump)
- 55 coolant system (cooling with water from river)
- 56 radioactive waste storage in salt mine
- 57-68 geological structure of abandoned salt mine converted for disposal of radioactive waste (nuclear waste)
- 57 Lower Keuper
- 58 Upper Muschelkalk
- 59 Middle Muschelkalk
- 60 Lower Muschelkalk
- 61 Bunter downthrow
- 62 residue of leached (lixiviated) Zechstein (Upper Permian)
- 63 Aller rock salt
- 64 Leine rock salt
- 65 Stassfurt seam (potash salt seam, potash salt bed)
- 66 Stassfurt salt
- 67 grenzanhydrite
- 68 Zechstein shale
- 69 shaft
- 70 minehead buildings
- 71 storage chamber
- 72 storage of medium-active waste in salt mine
- 73 511 m level
- 74 protective screen (anti-radiation screen)
- 75 lead glass window
- 76 storage chamber
- 77 drum containing radioactive waste
- 78 television camera
- 79 charging chamber
- 80 control desk (control panel)
- 81 upward ventilator
- 82 shielded container
- 83 490 m level

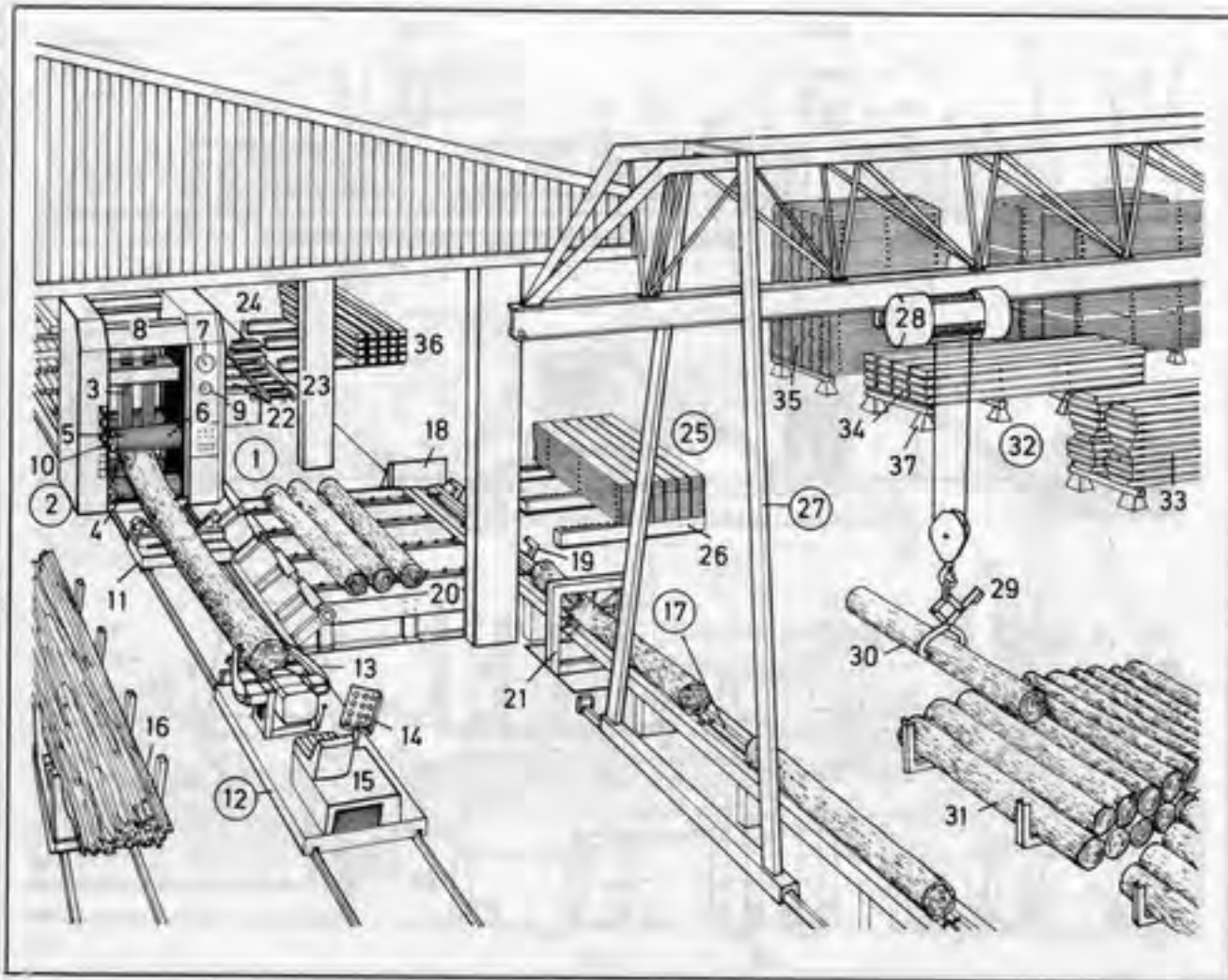




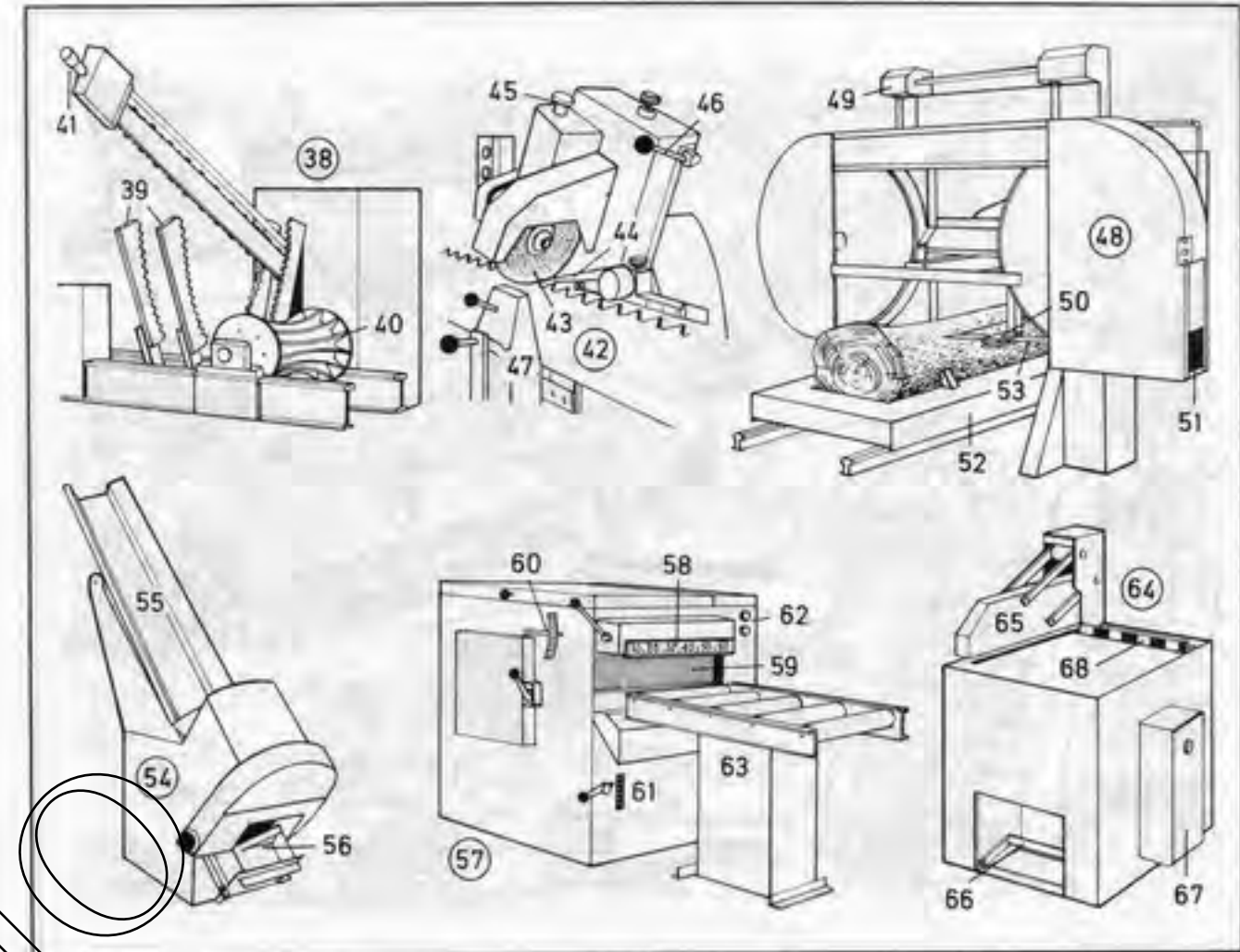
- 1 heat pump system
- 2 source water inlet
- 3 cooling water heat exchanger
- 4 compressor
- 5 natural-gas or diesel engine
- 6 evaporator
- 7 pressure release valve
- 8 condenser
- 9 waste-gas heat exchanger
- 10 flow pipe
- 11 vent pipe
- 12 chimney
- 13 boiler
- 14 fan
- 15 radiator
- 16 sink
- 17-36 utilization of solar energy
- 17 solar (solar-heated) house
- 18 solar radiation (sunlight, insolation)
- 19 collector
- 20 hot reservoir (heat reservoir)
- 21 power supply
- 22 heat pump
- 23 water outlet
- 24 air supply
- 25 flue
- 26 hot water supply
- 27 radiator heating
- 28 flat plate solar collector
- 29 blackened receiver surface with asphalted aluminium (Am. aluminum) foil
- 30 steel tube
- 31 heat transfer fluid
- 32 flat plate solar collector, containing solar cell
- 33 glass cover
- 34 solar cell
- 35 air ducts
- 36 insulation
- 37 tidal power plant [section]
- 38 dam
- 39 reversible turbine
- 40 turbine inlet for water from the sea
- 41 turbine inlet for water from the basin
- 42 wind power plant (wind generator, aerogenerator)
- 43 truss tower
- 44 guy wire
- 45 rotor blades (propeller)
- 46 generator with variable pitch for power regulation



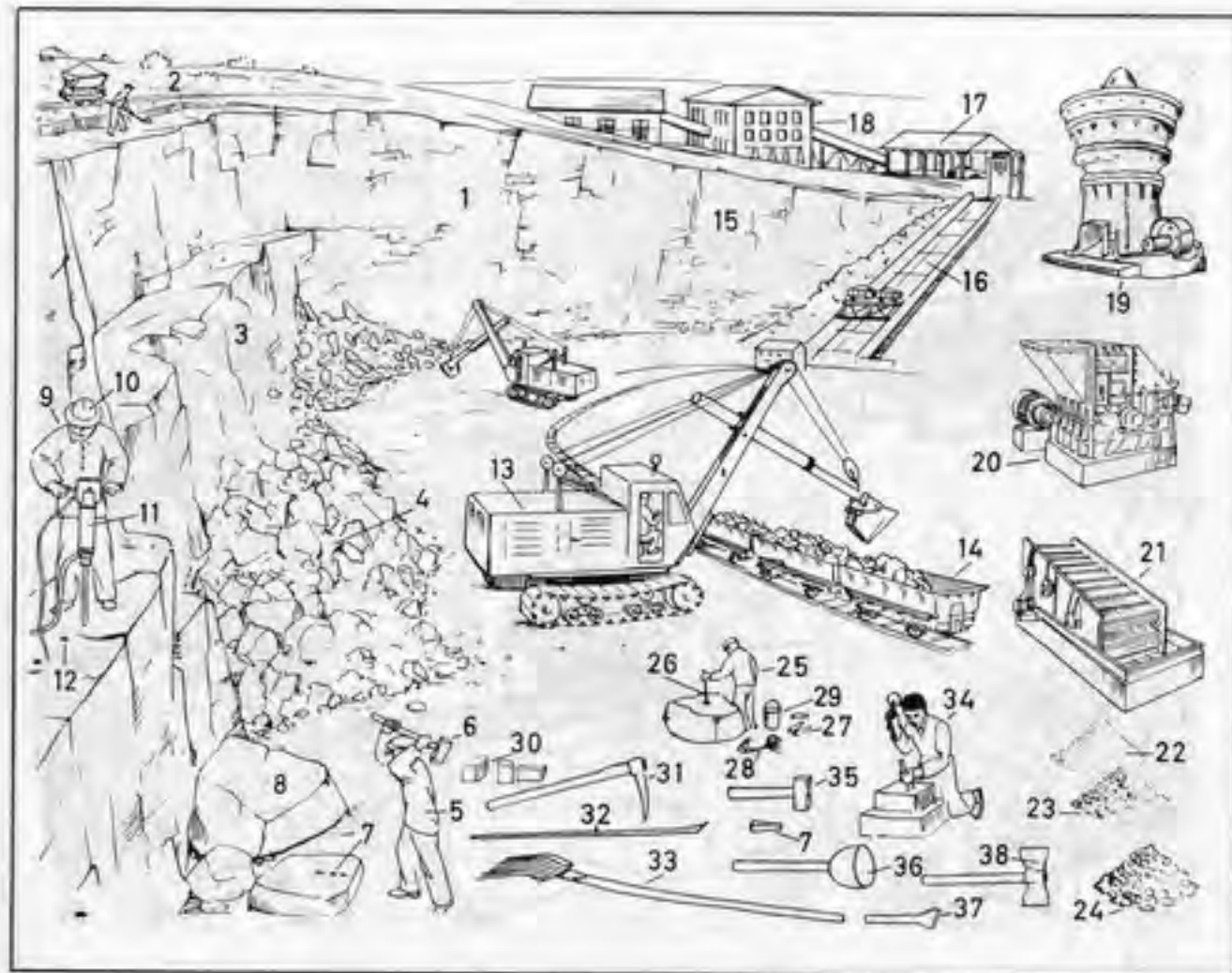
- 1-15 coking plant
- 1 dumping of coking coal
- 2 belt conveyor
- 3 service bunker
- 4 coal tower conveyor
- 5 coal tower
- 6 larry car (larry, charging car)
- 7 pusher ram
- 8 battery of coke ovens
- 9 coke guide
- 10 quenching car, with engine
- 11 quenching tower
- 12 coke loading bay (coke wharf)
- 13 coke side bench
- 14 screening of lump coal and culm
- 15 coke loading
- 16-45 coke-oven gas processing
- 16 discharge (release) of gas from the coke ovens
- 17 gas-collecting main
- 18 coal tar extraction
- 19 gas cooler
- 20 electrostatic precipitator
- 21 gas extractor
- 22 hydrogen sulphide (Am. hydrogen sulfide) scrubber (hydrogen sulphide wet collector)
- 23 ammonia scrubber (ammonia wet collector)
- 24 benzene (benzol) scrubber
- 25 gas holder
- 26 gas compressor
- 27 debenzoling by cooler and heat exchanger
- 28 desulphurization (Am. desulfurization) of pressure gas
- 29 gas cooling
- 30 gas drying
- 31 gas meter
- 32 crude tar tank
- 33 sulphuric acid (Am. sulfuric acid) supply
- 34 production of sulphuric acid (Am. sulfuric acid)
- 35 production of ammonium sulphate (Am. ammonium sulfate)
- 36 ammonium sulphate (Am. ammonium sulfate)
- 37 recovery plant for recovering the scrubbing agents
- 38 waste water discharge
- 39 phenol extraction from the gas water
- 40 crude phenol tank
- 41 production of crude benzol (crude benzene)
- 42 crude benzol (crude benzene) tank
- 43 scrubbing oil tank
- 44 low-pressure gas main
- 45 high-pressure gas main



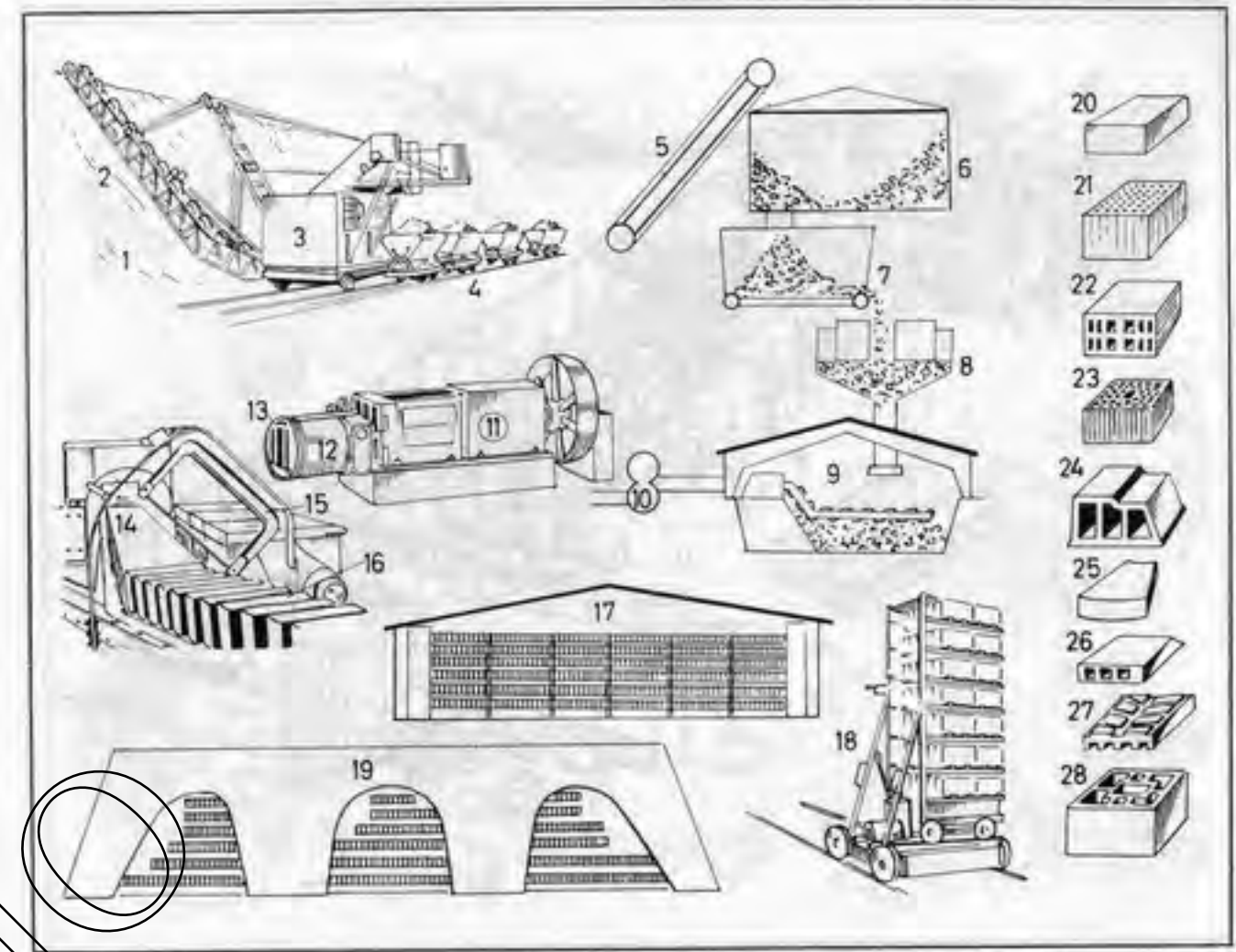
- | | |
|---|---|
| 1 sawmill | 23 roller table |
| 2 vertical frame saw (<i>Am.</i> gang mill) | 24 undercut swing saw |
| 3 saw blades | 25 piling |
| 4 feed roller | 26 roller trestles |
| 5 guide roller | 27 gantry crane |
| 6 fluting (grooving, grooves) | 28 crane motor |
| 7 oil pressure gauge (<i>Am.</i> gage) | 29 pivoted log grips |
| 8 saw frame | 30 roundwood (round timber) |
| 9 feed indicator | 31 log dump |
| 10 log capacity scale | 32 squared timber store |
| 11 auxiliary carriage | 33 sawn logs |
| 12 carriage | 34 planks |
| 13 log grips | 35 boards (planks) |
| 14 remote control panel | 36 squared timber |
| 15 carriage motor | 37 stack bearer |
| 16 truck for splinters (splints) | 38 automatic cross-cut chain saw |
| 17 endless log chain (<i>Am.</i> jack chain) | 39 log grips |
| 18 stop plate | 40 feed roller |
| 19 log-kicker arms | 41 chain-tensioning device |
| 20 cross conveyor | 42 saw-sharpening machine |
| 21 washer (washing machine) | 43 grinding wheel (teeth grinder) |
| 22 cross chain conveyor for sawn timber | 44 feed pawl |
| | 45 depth adjustment for the teeth grinder |



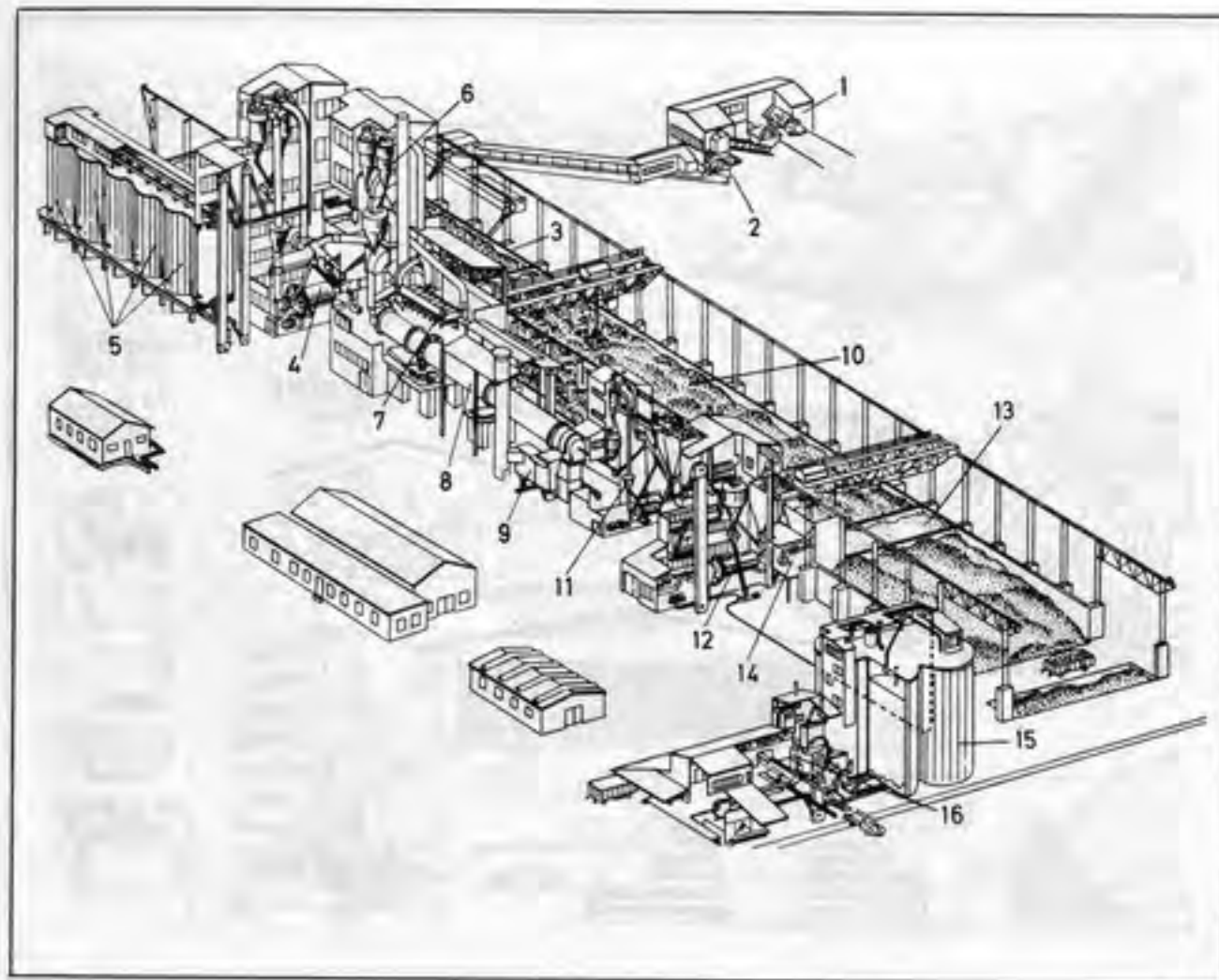
- | | |
|---|---|
| 46 lifter (lever) for the grinder chuck | 65 automatic hold-down with protective hood |
| 47 holding device for the saw blade | 66 foot switch |
| 48 horizontal bandsaw for sawing logs | 67 distribution board (panelboard) |
| 49 height adjustment | 68 length stop |
| 50 chip remover | |
| 51 chip extractor | |
| 52 carriage | |
| 53 bandsaw blade | |
| 54 automatic blocking saw | |
| 55 feed channel | |
| 56 discharge opening | |
| 57 twin edger (double edger) | |
| 58 breadth scale (width scale) | |
| 59 kick-back guard | |
| 60 height scale | |
| 61 in-feed scale | |
| 62 indicator lamps | |
| 63 feed table | |
| 64 undercut swing saw | |



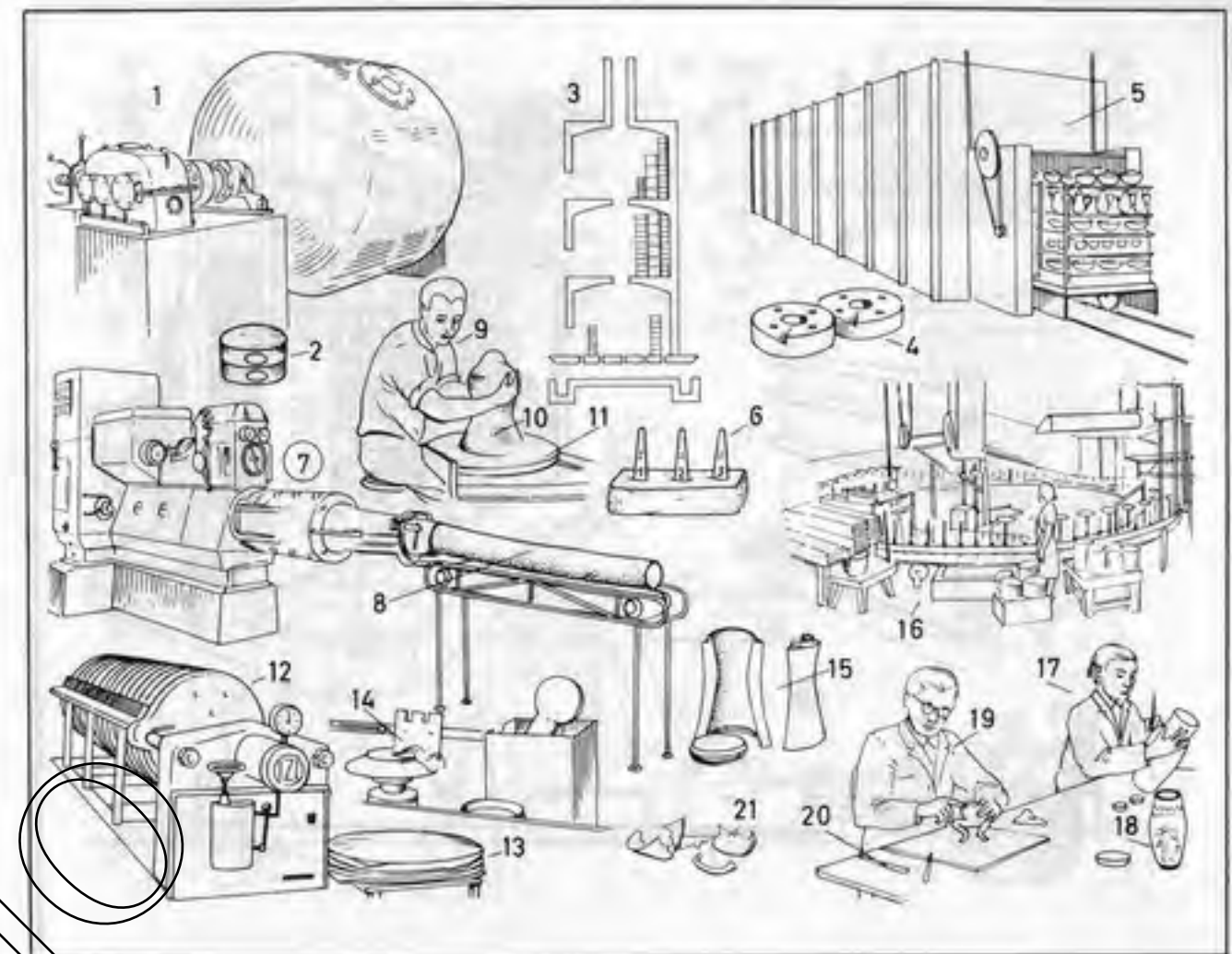
- | | |
|---|--|
| 1 quarry, an open-cast working | 21 vibrating screen |
| 2 overburden | 22 screenings (fine dust) |
| 3 working face | 23 stone chippings |
| 4 loose rock pile (blasted rock) | 24 crushed stone |
| 5 quarryman (quarrier), a quarry worker | 25 shot firer |
| 6 sledge hammer | 26 measuring rod |
| 7 wedge | 27 blasting cartridge |
| 8 block of stone | 28 fuse (blasting fuse) |
| 9 driller | 29 plugging sand (stemming sand) bucket |
| 10 safety helmet | 30 dressed stone |
| 11 hammer drill (hard-rock drill) | 31 pick |
| 12 borehole | 32 crowbar (pinch bar) |
| 13 universal excavator | 33 fork |
| 14 large-capacity truck | 34 stonemason |
| 15 rock face | 35-38 stonemason's tools |
| 16 inclined hoist | 35 stonemason's hammer |
| 17 primary crusher | 36 mallet |
| 18 stone-crushing plant | 37 drove chisel (drove, boaster, broad chisel) |
| 19 coarse rotary (gyratory) crusher; <i>sim.</i> : fine rotary (gyratory) crusher | 38 dressing axe (<i>Am.</i> ax) |
| 20 hammer crusher (impact crusher) | |



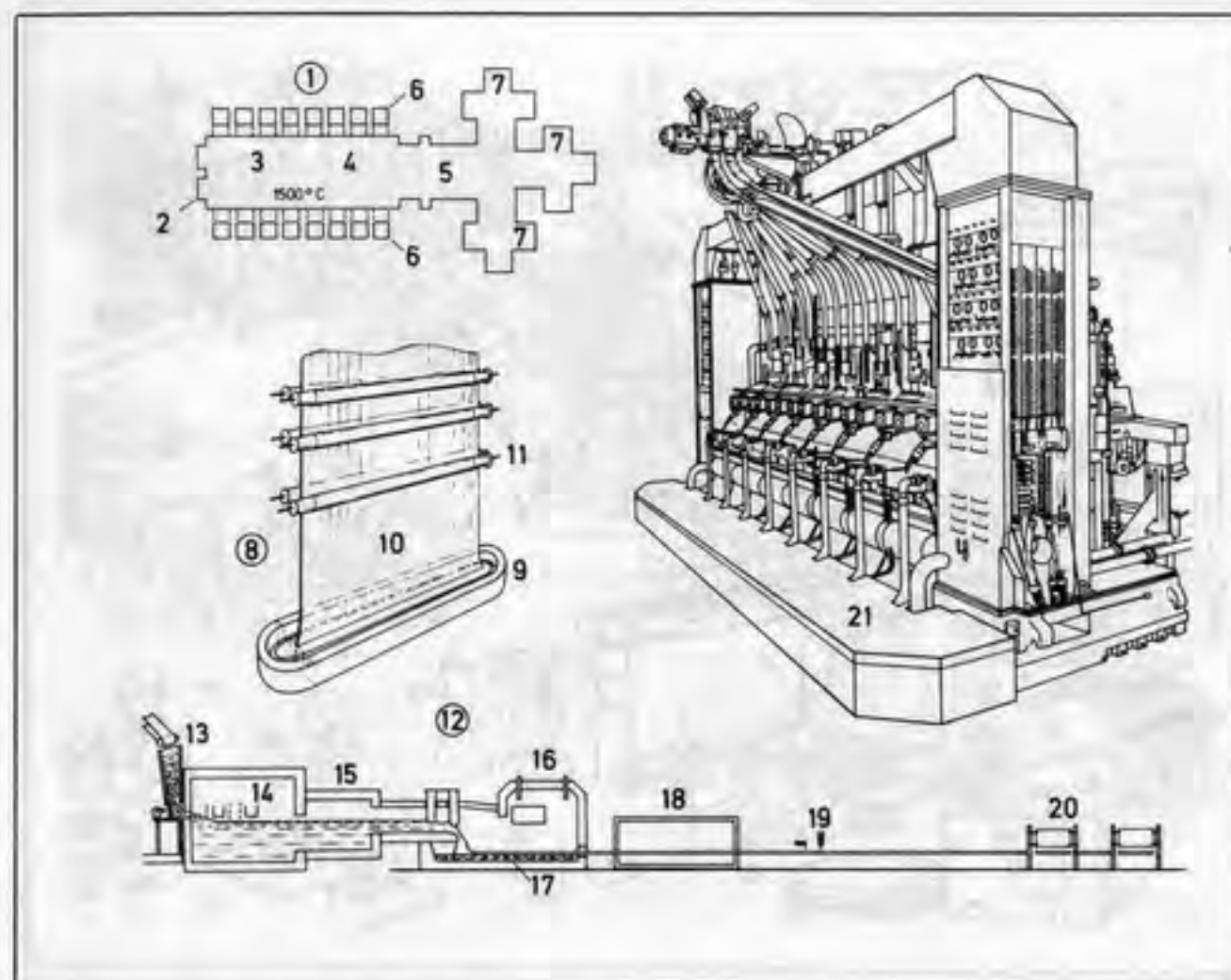
- | | |
|--|--|
| 1 clay pit | 20 solid brick (building brick) |
| 2 loam, an impure clay (raw clay) | 21-22 perforated bricks and hollow blocks |
| 3 overburden excavator, a large-scale excavator | 21 perforated brick with vertical perforations |
| 4 narrow-gauge (<i>Am.</i> narrow-gauge) track system | 22 hollow clay block with horizontal perforations |
| 5 inclined hoist | 23 hollow clay block with vertical perforations |
| 6 soring chambers | 24 floor brick |
| 7 box feeder (feeder) | 25 compass brick (radial brick, radiating brick) |
| 8 edge runner mill (edge mill, pan grinding mill) | 26 hollow flooring block |
| 9 rolling plant | 27 paving brick |
| 10 double-shaft trough mixer (mixer) | 28 cellular brick [for fireplaces] (chimney brick) |
| 11 extrusion press (brick-pressing machine) | |
| 12 vacuum chamber | |
| 13 die | |
| 14 clay column | |
| 15 cutter (brick cutter) | |
| 16 unfired brick (green brick) | |
| 17 drying shed | |
| 18 mechanical finger car (stacker truck) | |
| 19 circular kiln (brick kiln) | |



- 1 raw materials (limestone, clay, and marl)
- 2 hammer crusher (hammer mill)
- 3 raw material store
- 4 raw mill for simultaneously grinding and drying the raw materials with exhaust gas from the heat exchanger
- 5 raw meal silos
- 6 heat exchanger (cyclone heat exchanger)
- 7 dust collector (an electrostatic precipitator) for the heat exchanger exhaust from the raw mill
- 8 rotary kiln
- 9 clinker cooler
- 10 clinker store
- 11 primary air blower
- 12 cement-grinding mill
- 13 gypsum store
- 14 gypsum crusher
- 15 cement silo
- 16 cement-packing plant



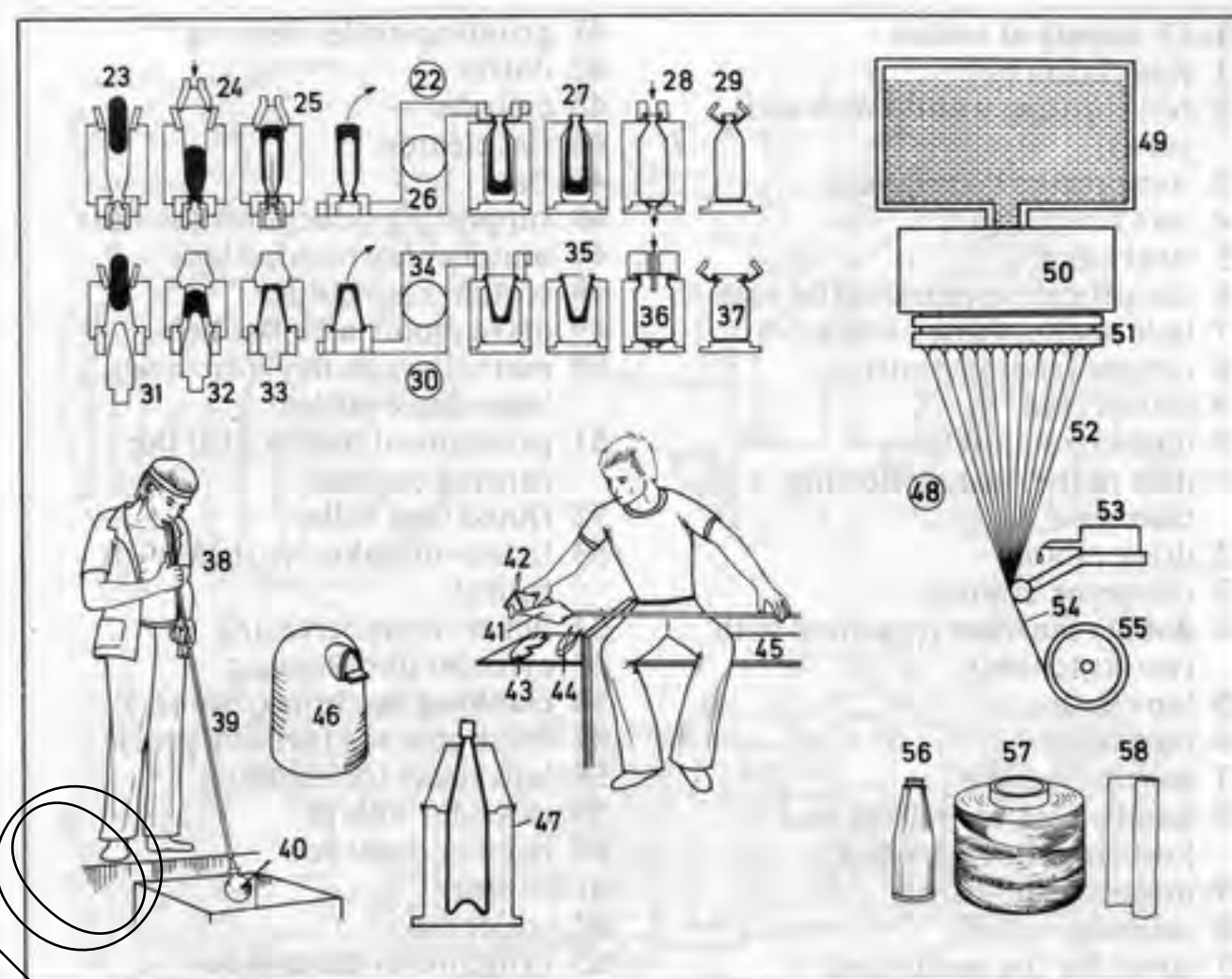
- 1 grinding cylinder (ball mill) for the preparation of the raw material in water
- 2 sample sagger (saggar, seggar), with aperture for observing the firing process
- 3 bottle kiln (beehive kiln) [diagram]
- 4 firing mould (*Am. mold*)
- 5 tunnel kiln
- 6 Seger cone (pyrometric cone, *Am. Orton cone*) for measuring high temperatures
- 7 de-airing pug mill (de-airing pug press), an extrusion press
- 8 clay column
- 9 thrower throwing a ball (bat) of clay
- 10 slug of clay
- 11 turntable; *sim.*: potter's wheel
- 12 filter press
- 13 filter cake
- 14 jiggering, with a profiling tool; *sim.*: jollying
- 15 plaster mould (*Am. mold*) for slip casting
- 16 turntable glazing machine
- 17 porcelain painter (*china painter*)
- 18 hand-painted vase
- 19 repairer
- 20 pallet (modelling, *Am. modeling, tool*)
- 21 shards (sherds, potsherds)



1-20 sheet glass production (flat glass production)

- 1 glass furnace (tank furnace) for the Fourcault process [diagram]
- 2 filling end, for feeding in the batch (frit)
- 3 melting bath
- 4 refining bath (fining bath)
- 5 working baths (working area)
- 6 burners
- 7 drawing machines
- 8 Fourcault glass-drawing machine
- 9 slot
- 10 glass ribbon (ribbon of glass, sheet of glass) being drawn upwards
- 11 rollers (drawing rolls)
- 12 float glass process
- 13 batch (frit) feeder (funnel)
- 14 melting bath
- 15 cooling tank
- 16 float bath in a protective inert-gas atmosphere
- 17 molten tin

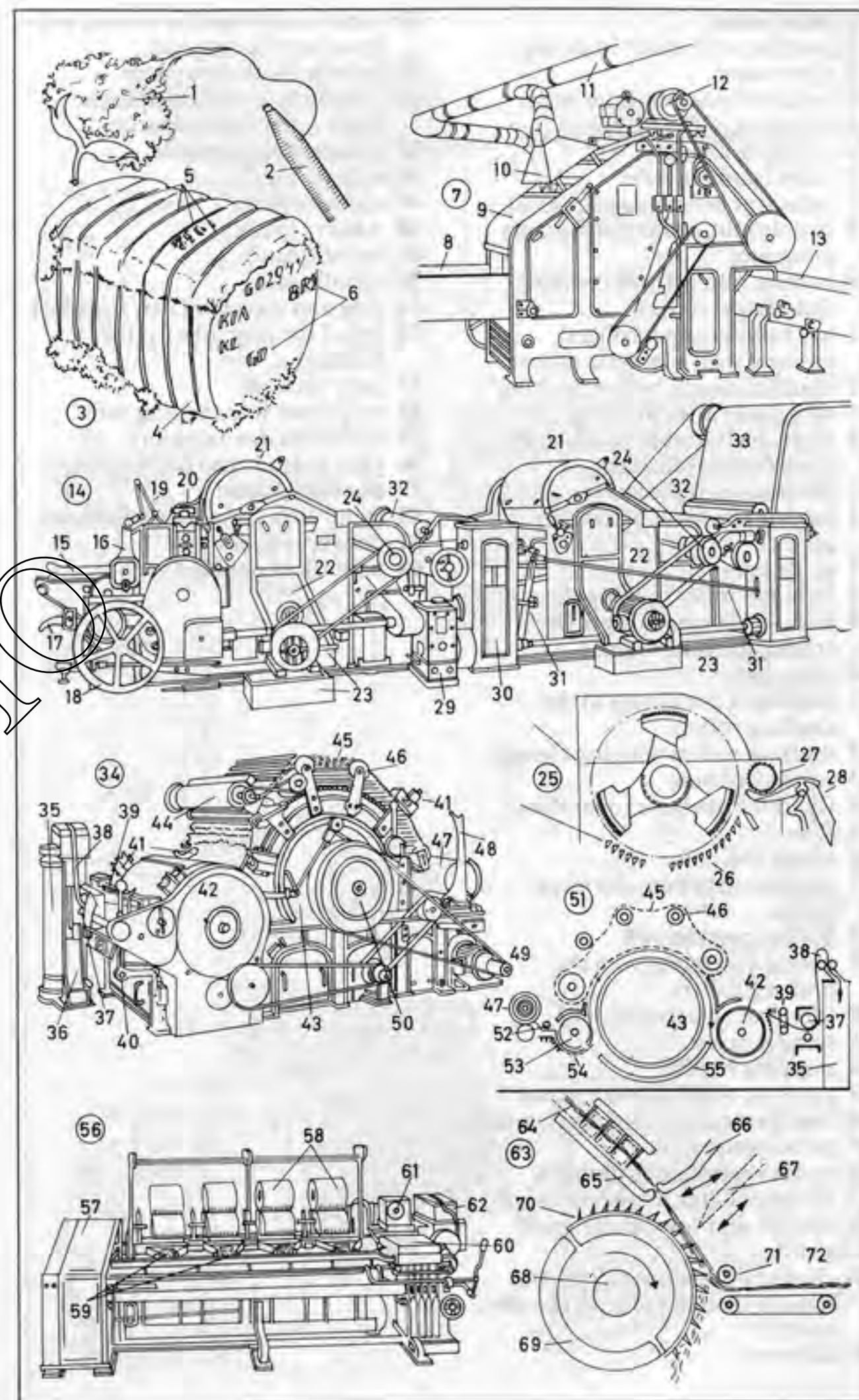
- 18 annealing lehr
- 19 automatic cutter
- 20 stacking machines
- 21 IS (individual-section) machine, a bottle-making machine
- 22-37 blowing processes
- 22 blow-and-blow process
- 23 introduction of the gob of molten glass
- 24 first blowing
- 25 suction
- 26 transfer from the parison mould (*Am. mold*) to the blow mould (*Am. mold*)
- 27 reheating
- 28 blowing (suction, final shaping)
- 29 delivery of the completed vessel
- 30 press-and-blow process
- 31 introduction of the gob of molten glass
- 32 plunger
- 33 pressing
- 34 transfer from the press mould (*Am. mold*) to the blow mould (*Am. mold*)



- 35 reheating
- 36 blowing (suction, final shaping)
- 37 delivery of the completed vessel
- 38-47 glassmaking (glassblowing, glassblowing by hand, glass forming)
- 38 glassmaker (glassblower)
- 39 blowing iron
- 40 gob
- 41 hand-blown goblet
- 42 clappers for shaping the base (foot) of the goblet
- 43 trimming tool
- 44 tongs
- 45 glassmaker's chair (gaffer's chair)
- 46 covered glasshouse pot
- 47 mould (*Am. mold*), into which the parison is blown
- 48-55 production of glass fibre (*Am. glass fiber*)
- 48 continuous filament process
- 49 glass furnace
- 50 bushing containing molten glass
- 51 bushing tips

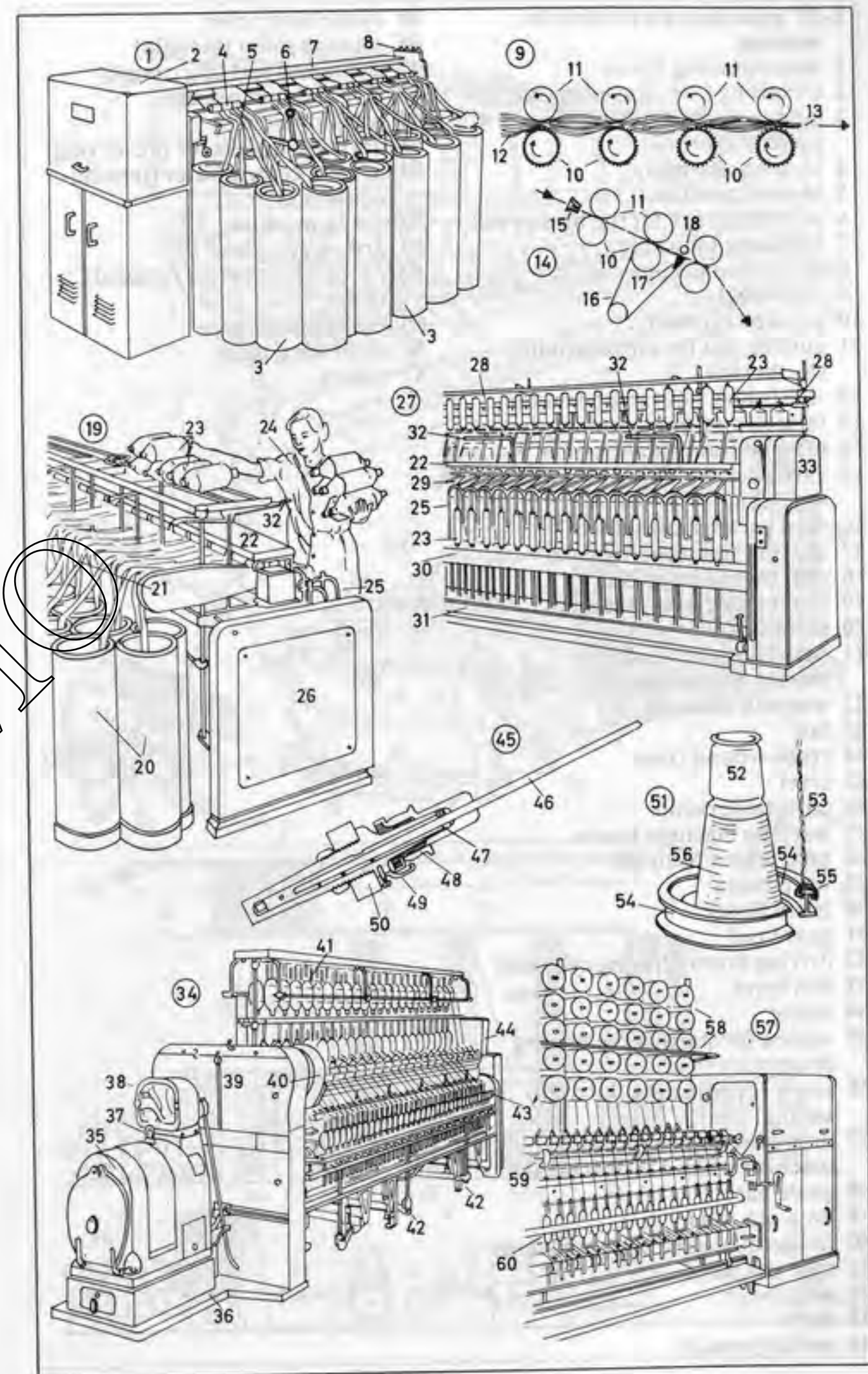
- 52 glass filaments
- 53 sizing
- 54 strand (thread)
- 55 spool
- 56-58 glass fibre (*Am. glass fiber*) products
- 56 glass yarn (glass thread)
- 57 sleeved glass yarn (glass thread)
- 58 glass wool

- 1-13 supply of cotton
- 1 ripe cotton boll
 - 2 full cop (cop wound with weft yarn)
 - 3 compressed cotton bale
 - 4 jute wrapping
 - 5 steel band
 - 6 identification mark of the bale
 - 7 bale opener (bale breaker)
 - 8 cotton-feeding brattice
 - 9 cotton feed
 - 10 dust extraction fan
 - 11 duct to the dust-collecting chamber
 - 12 drive motor
 - 13 conveyor brattice
 - 14 double scutcher (machine with two scutchers)
 - 15 lap cradle
 - 16 rack head
 - 17 starting handle
 - 18 handwheel, for raising and lowering the rack head
 - 19 movable lap-turner
 - 20 calender rollers
 - 21 cover for the perforated cylinders
 - 22 dust escape flue (dust discharge flue)
 - 23 drive motors (beater drive motors)
 - 24 beater driving shaft
 - 25 three-blade beater (Kirschner beater)
 - 26 grid [for impurities to drop]
 - 27 pedal roller (pedal cylinder)
 - 28 control lever for the pedal roller, a pedal lever
 - 29 variable change-speed gear
 - 30 cone drum box
 - 31 stop and start levers for the hopper
 - 32 wooden hopper delivery roller
 - 33 hopper feeder
 - 34 carding machine (card, carding engine)
 - 35 card can (carding can), for receiving the coiled sliver
 - 36 can holder
 - 37 calender rollers
 - 38 carded sliver (card sliver)
 - 39 vibrating doffer comb
 - 40 start-stop lever
 - 41 grinding-roller bearing
 - 42 doffer
 - 43 cylinder
 - 44 flat clearer
 - 45 flats
 - 46 supporting pulleys for the flats
 - 47 scutcher lap (carded lap)
 - 48 scutcher lap holder
 - 49 drive motor with flat belt
 - 50 main drive pulley (fast-and-loose drive pulley)
 - 51 principle of the card (of the carding engine)
 - 52 fluted feed roller
 - 53 licker-in (taker-in, licker-in roller)
 - 54 licker-in undercasing
 - 55 cylinder undercasing
 - 56 combing machine (comber)
 - 57 drive gearbox (driving gear)
 - 58 laps ready for combing
 - 59 calender rollers
 - 60 comber draw box
 - 61 counter
 - 62 coiler top
 - 63 principle of the comber
 - 64 lap
 - 65 bottom nipper
 - 66 top nipper
 - 67 top comb
 - 68 combing cylinder
 - 69 plain part of the cylinder
 - 70 needed part of the cylinder
 - 71 detaching rollers
 - 72 carded and combed sliver



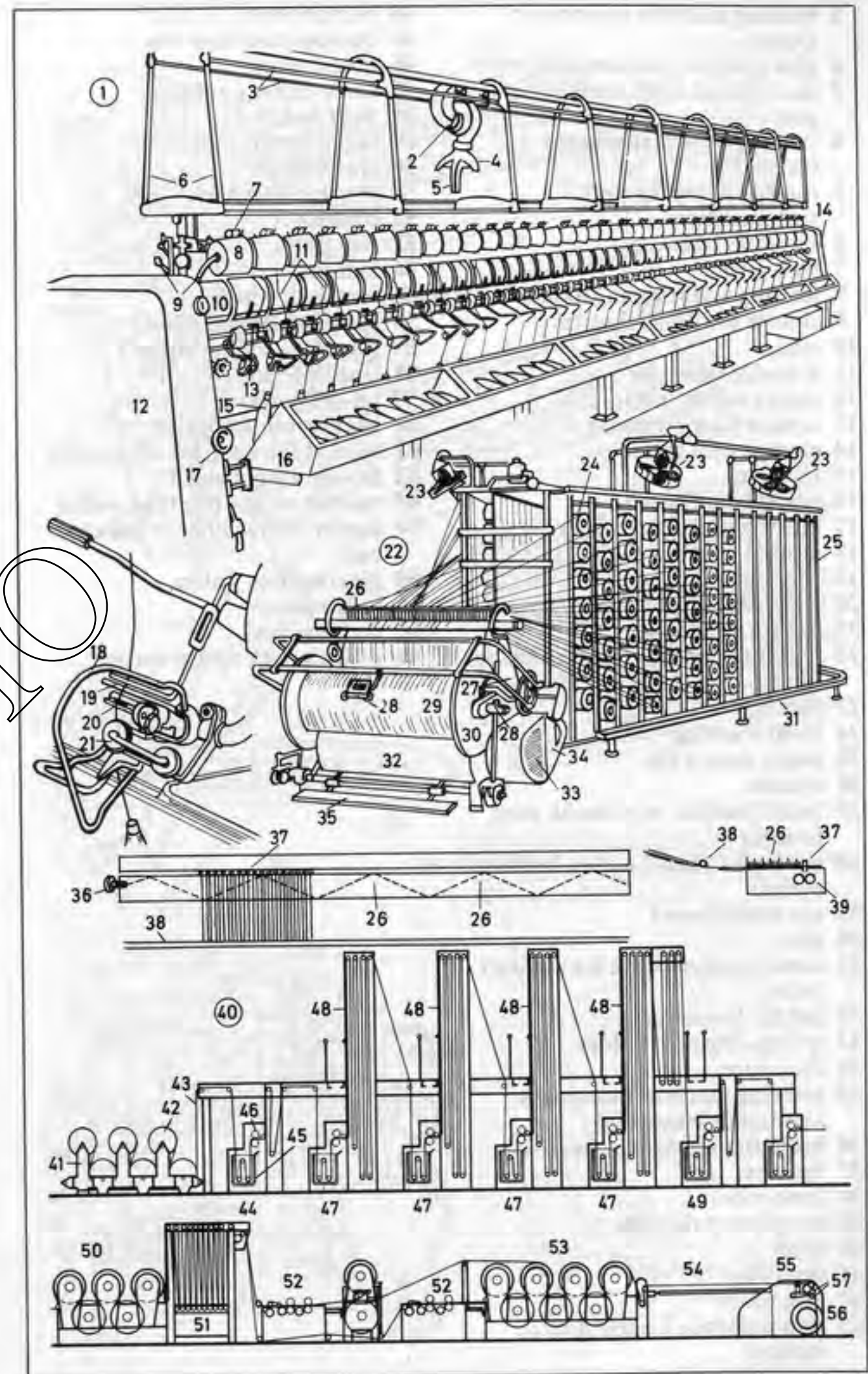
- 1 draw frame
- 2 gearbox with built-in motor
- 3 sliver cans
- 4 broken thread detector roller
- 5 doubling of the slivers
- 6 stopping handle
- 7 draw frame cover
- 8 indicator lamps (signal lights)
- 9 simple four-roller draw frame [diagram]
- 10 bottom rollers (lower rollers), fluted steel rollers
- 11 top rollers (upper rollers) covered with synthetic rubber
- 12 doubled slivers before drafting
- 13 thin sliver after drafting
- 14 high-draft system (high-draft draw frame) [diagram]
- 15 feeding-in of the sliver
- 16 leather apron (composition apron)
- 17 guide bar
- 18 light top roller (guide roller)
- 19 high-draft speed frame (fly frame, slubbing frame)
- 20 sliver cans
- 21 feeding of the slivers to the drafting rollers
- 22 drafting rollers with top clearers
- 23 roving bobbins
- 24 fly frame operator (operative)
- 25 flyer
- 26 frame end plate
- 27 intermediate yarn-forming frame
- 28 bobbin creel (creel)
- 29 roving emerging from the drafting rollers
- 30 lifter rail (separating rail)
- 31 spindle drive
- 32 stopping handle
- 33 gearbox, with built-on motor
- 34 ring frame (ring spinning frame)
- 35 three-phase motor
- 36 motor base plate (bedplate)
- 37 lifting bolt [for motor removal]
- 38 control gear for spindle speed
- 39 gearbox
- 40 change wheels for varying the spindle speed [to change the yarn count]
- 41 full creel

- 42 shafts and levers for raising and lowering the ring rail
- 43 spindles with separators
- 44 suction box connected to the front roller underclearers
- 45 standard ring spindle
- 46 spindle shaft
- 47 roller bearing
- 48 wharve (pulley)
- 49 spindle catch
- 50 spindle rail
- 51 ring and traveller (*Am. traveler*)
- 52 top of the ring tube (of the bobbin)
- 53 yarn (thread)
- 54 ring fitted into the ring rail
- 55 traveller (*Am. traveler*)
- 56 yarn wound onto the bobbin
- 57 doubling frame
- 58 creel, with cross-wound cheeses
- 59 delivery rollers
- 60 bobbins of doubled yarn

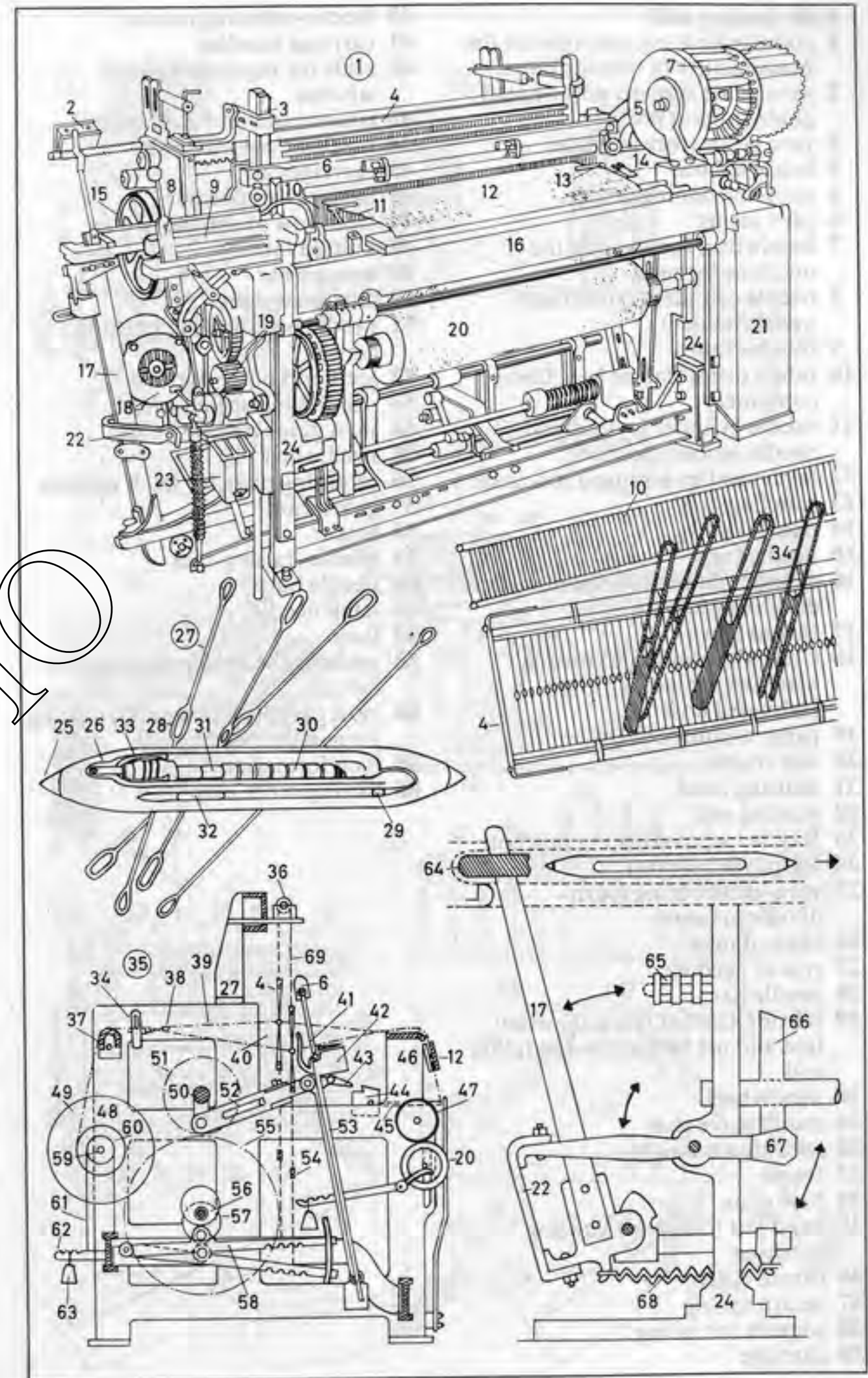


- 1-57 processes preparatory to weaving
- 1 cone-winding frame
- 2 travelling (*Am.* traveling) blower
- 3 guide rail, for the travelling (*Am.* traveling) blower
- 4 blowing assembly
- 5 blower aperture
- 6 superstructure for the blower rail
- 7 full-cone indicator
- 8 cross-wound cone
- 9 cone creel
- 10 grooved cylinder
- 11 guiding slot for cross-winding the threads
- 12 side frame, housing the motor
- 13 tension and slub-catching device
- 14 off-end framing with filter
- 15 yarn package, a ring tube or mule cop
- 16 yarn package container
- 17 starting and stopping lever
- 18 self-threading guide
- 19 broken thread stop motion
- 20 thread clearer
- 21 weighting disc (disk) for tensioning the thread
- 22 warping machine
- 23 fan
- 24 cross-wound cone
- 25 creel
- 26 adjustable comb
- 27 warping machine frame
- 28 yarn length recorder
- 29 warp beam
- 30 beam flange
- 31 guard rail
- 32 driving drum (driving cylinder)
- 33 belt drive
- 34 motor
- 35 release for starting the driving drum
- 36 screw for adjusting the comb setting
- 37 drop pins, for stopping the machine when a thread breaks
- 38 guide bar
- 39 drop pin rollers
- 40 indigo dying and sizing machine
- 41 take-off stand
- 42 warp beam
- 43 warp
- 44 wetting trough

- 45 immersion roller
- 46 squeeze roller (mangle)
- 47 dye liquor padding trough
- 48 air oxidation passage
- 49 washing trough
- 50 drying cylinders for pre-drying
- 51 tension compensator (tension equalizer)
- 52 sizing machine
- 53 drying cylinders
- 54 *for cotton: stenter; for wool: tenter*
- 55 beaming machine
- 56 sized warp beam
- 57 rollers

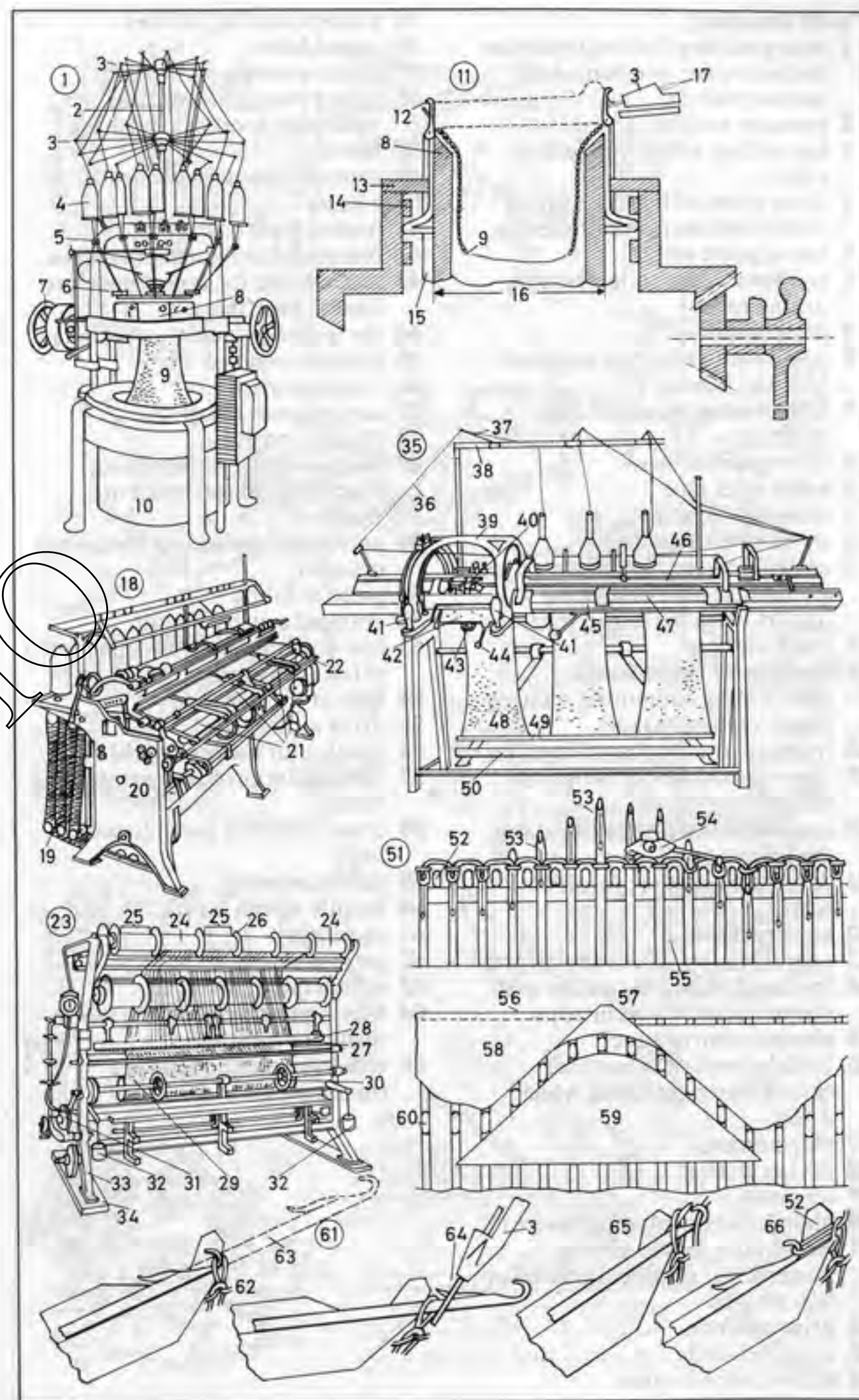


- 1 weaving machine (automatic loom)
- 2 pick counter (tachometer)
- 3 shaft (heald shaft, heald frame guide)
- 4 shafts (heald shafts, heald frames)
- 5 rotary battery for weft replenishment
- 6 sley (slay) cap
- 7 weft pirn
- 8 starting and stopping handle
- 9 shuttle box, with shuttles
- 10 reed
- 11 selvage (selvage)
- 12 cloth (woven fabric)
- 13 temple (cloth temple)
- 14 electric weft feeler
- 15 flywheel
- 16 breast beam board
- 17 picking stick (pick stick)
- 18 electric motor
- 19 cloth take-up motion
- 20 cloth roller (fabric roller)
- 21 can for empty pirns
- 22 lug strap, for moving the picking stick
- 23 fuse box
- 24 loom framing
- 25 metal shuttle tip
- 26 shuttle
- 27 heald (heddle, wire heald, wire heddle)
- 28 eye (eyelet, heald eyelet, heddle eyelet)
- 29 eye (shuttle eye)
- 30 pirn
- 31 metal contact sleeve for the weft feeler
- 32 slot for the feeler
- 33 spring-clip pirn holder
- 34 drop wire
- 35 weaving machine (automatic loom) [side elevation]
- 36 heald shaft guiding wheels
- 37 backrest
- 38 lease rods
- 39 warp (warp thread)
- 40 shed
- 41 sley (slay)
- 42 race board
- 43 stop rod blade for the stop motion
- 44 bumper steel
- 45 bumper steel stop rod
- 46 breast beam
- 47 cloth take-up roller
- 48 warp beam
- 49 beam flange
- 50 crankshaft
- 51 crankshaft wheel
- 52 connector
- 53 sley (slay)
- 54 lam rods
- 55 camshaft wheel
- 56 camshaft (tappet shaft)
- 57 tappet (shedding tappet)
- 58 treadle lever
- 59 let-off motion
- 60 beam motion control
- 61 rope of the warp let-off motion
- 62 let-off weight lever
- 63 control weight [for the treadle]
- 64 picker with leather or bakelite pad
- 65 picking stick buffer
- 66 picking cam
- 67 picking bowl
- 68 picking stick return spring



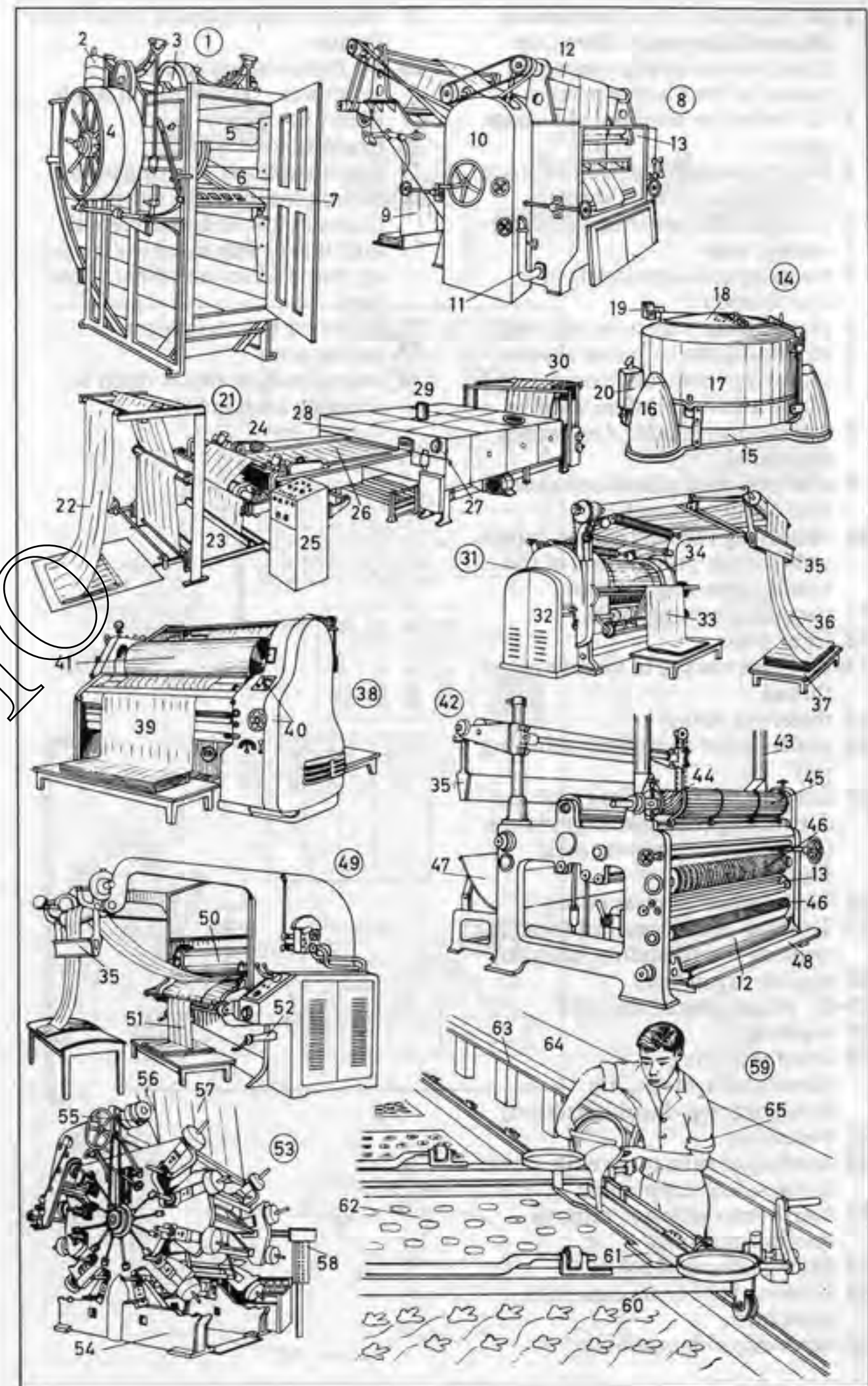
DEMO

- 1-66 hosiery mill
- 1 circular knitting machine for the manufacture of tubular fabric
 - 2 yarn guide support post (thread guide support post)
 - 3 yarn guide (thread guide)
 - 4 bottle bobbin
 - 5 yarn-tensioning device
 - 6 yarn feeder
 - 7 handwheel for rotating the machine by hand
 - 8 needle cylinder (cylindrical needle holder)
 - 9 tubular fabric
 - 10 fabric drum (fabric box, fabric container)
 - 11 needle cylinder (cylindrical needle holder) [section]
 - 12 latch needles arranged in a circle
 - 13 cam housing
 - 14 needle cams
 - 15 needle trick
 - 16 cylinder diameter (also diameter of tubular fabric)
 - 17 thread (yarn)
 - 18 Cotton's patent flat knitting machine for ladies' fully-fashioned hose
 - 19 pattern control chain
 - 20 side frame
 - 21 knitting head
 - 22 starting rod
 - 23 Raschel warp-knitting machine
 - 24 warp (warp beam)
 - 25 yarn-distributing (yarn-dividing) beam
 - 26 beam flange
 - 27 row of needles
 - 28 needle bar
 - 29 fabric (Raschel fabric) [curtain lace and net fabrics] on the fabric roll
 - 30 handwheel
 - 31 motor drive gear
 - 32 take-down weight
 - 33 frame
 - 34 base plate
 - 35 hand flat (flat-bed) knitting machine
 - 36 thread (yarn)
 - 37 return spring
 - 38 support for springs
 - 39 carriage
 - 40 feeder-selecting device
 - 41 carriage handles
 - 42 scale for regulating size of stitches
 - 43 course counter (tachometer)
 - 44 machine control lever
 - 45 carriage rail
 - 46 back row of needles
 - 47 front row of needles
 - 48 knitted fabric
 - 49 tension bar
 - 50 tension weight
 - 51 needle bed showing knitting action
 - 52 teeth of knock-over bit
 - 53 needles in parallel rows
 - 54 yarn guide (thread guide)
 - 55 needle bed
 - 56 retaining plate for latch needles
 - 57 guard cam
 - 58 sinker
 - 59 needle-raising cam
 - 60 needle butt
 - 61 latch needle
 - 62 loop
 - 63 pushing the needle through the fabric
 - 64 yarn guide (thread guide) placing yarn in the needle hook
 - 65 loop formation
 - 66 casting off of loop



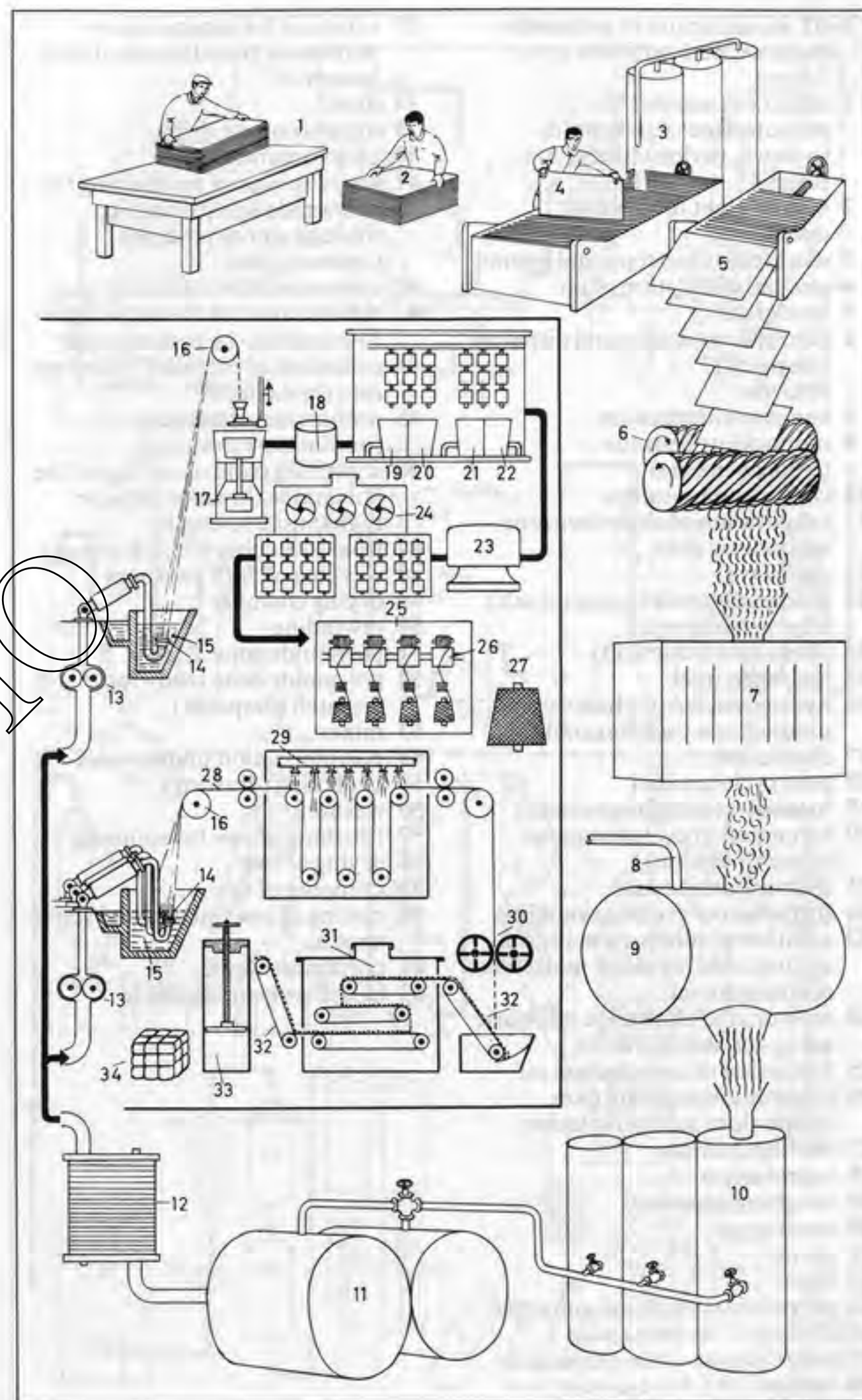
1-65 finishing

- | | |
|--|---|
| 1 rotary milling (fulling) machine for felting the woollen (<i>Am.</i> woolen) fabric | 35 plaiter (cuttling device) |
| 2 pressure weights | 36 raised fabric |
| 3 top milling roller (top fulling roller) | 37 plaiting-down platform |
| 4 drive wheel of bottom milling roller (bottom fulling roller) | 38 rotary press (calendering machine), for press finishing |
| 5 fabric guide roller | 39 fabric |
| 6 bottom milling roller (bottom fulling roller) | 40 control buttons and control wheels |
| 7 draft board | 41 heated press bowl |
| 8 open-width scouring machine for finer fabrics | 42 rotary cloth-shearing machine |
| 9 fabric being drawn off the machine | 43 suction slot, for removing loose fibres (<i>Am.</i> fibers) |
| 10 drive gearbox | 44 doctor blade (cutting cylinder) |
| 11 water inlet pipe | 45 protective guard |
| 12 drawing-in roller | 46 rotating brush |
| 13 scroll-opening roller | 47 curved scray entry |
| 14 pendulum-type hydro-extractor (centrifuge), for extracting liquors from the fabric | 48 treadle control |
| 15 machine base | 49 [non-shrinking] decatizing (decatizing) fabric-finishing machine |
| 16 casing over suspension | 50 perforated decatizing (decatizing) cylinder |
| 17 outer casing containing rotating cage (rotating basket) | 51 piece of fabric |
| 18 hydro-extractor (centrifuge) lid | 52 cranked control handle |
| 19 stop-motion device (stopping device) | 53 ten-colour (<i>Am.</i> ten-color) roller printing machine |
| 20 automatic starting and braking device | 54 base of the machine |
| 21 <i>for cotton: stenter; for wool: tenter</i> | 55 drive motor |
| 22 air-dry fabric | 56 blanket [of rubber or felt] |
| 23 operator's (operative's) platform | 57 fabric after printing (printed fabric) |
| 24 feeding of fabric by guides onto stenter (tenter) pins or clips | 58 electric control panel (control unit) |
| 25 electric control panel | 59 screen printing |
| 26 initial overfeed to produce shrink-resistant fabric when dried | 60 mobile screen frame |
| 27 thermometer | 61 squeegee |
| 28 drying section | 62 pattern stencil |
| 29 air outlet | 63 screen table |
| 30 plaiter (fabric-plaiting device) | 64 fabric gummed down on table ready for printing |
| 31 wire-roller fabric-raising machine for producing raised or nap surface | 65 screen printing operator (operative) |
| 32 drive gearbox | |
| 33 unraised cloth | |
| 34 wire-covered rollers | |

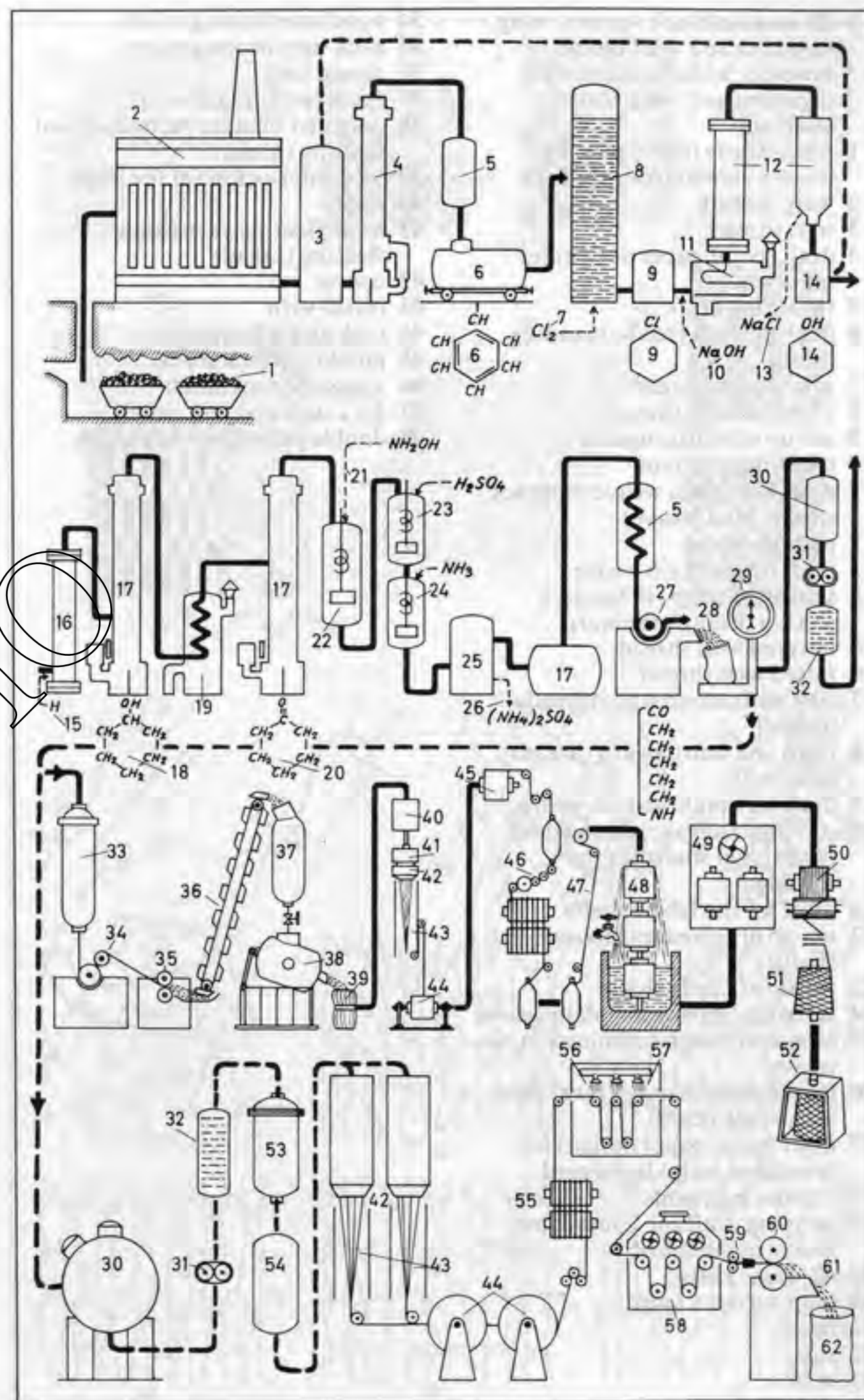


- 1-34 manufacture of **continuous filament and staple fibre** (*Am. fiber*) **viscose rayon yarns** by means of the viscose process
- 1-12 from raw material to viscose rayon
- 1 basic material [beech and spruce cellulose in form of sheets]
- 2 mixing cellulose sheets
- 3 caustic soda
- 4 steeping cellulose sheets in caustic soda
- 5 pressing out excess caustic soda
- 6 shredding the cellulose sheets
- 7 maturing (controlled oxidation) of the alkali-cellulose crumbs
- 8 carbon disulphide (*Am. carbon disulfide*)
- 9 conversion of alkali-cellulose into cellulose xanthate
- 10 dissolving the xanthate in caustic soda for the preparation of the viscose spinning solution
- 11 vacuum ripening tanks
- 12 filter press
- 13-27 from viscose to viscose rayon thread
- 13 metering pump
- 14 multi-holed spinneret (spinning jet)
- 15 coagulating (spinning) bath for converting (coagulating) viscose (viscous solution) into solid filaments
- 16 Godet wheel, a glass pulley
- 17 Topham centrifugal pot (box) for twisting the filaments into yarn
- 18 viscose rayon cake
- 19-27 processing of the cake
- 19 washing
- 20 desulphurizing (desulphurizing, *Am. desulfurizing, desulfurization*)
- 21 bleaching
- 22 treating of cake to give filaments softness and suppleness
- 23 hydro-extraction to remove surplus moisture
- 24 drying in heated room
- 25 winding yarn from cake into cone form
- 26 cone-winding machine

- 27 viscose rayon yarn on cone ready for use
- 28-34 from viscose spinning solution to viscose rayon staple fibre (*Am. fiber*)
- 28 filament tow
- 29 overhead spray washing plant
- 30 cutting machine for cutting filament tow to desired length
- 31 multiple drying machine for cut-up staple fibre (*Am. fiber*) layer (lap)
- 32 conveyor belt (conveyor)
- 33 baling press
- 34 bale of viscose rayon ready for dispatch (despatch)

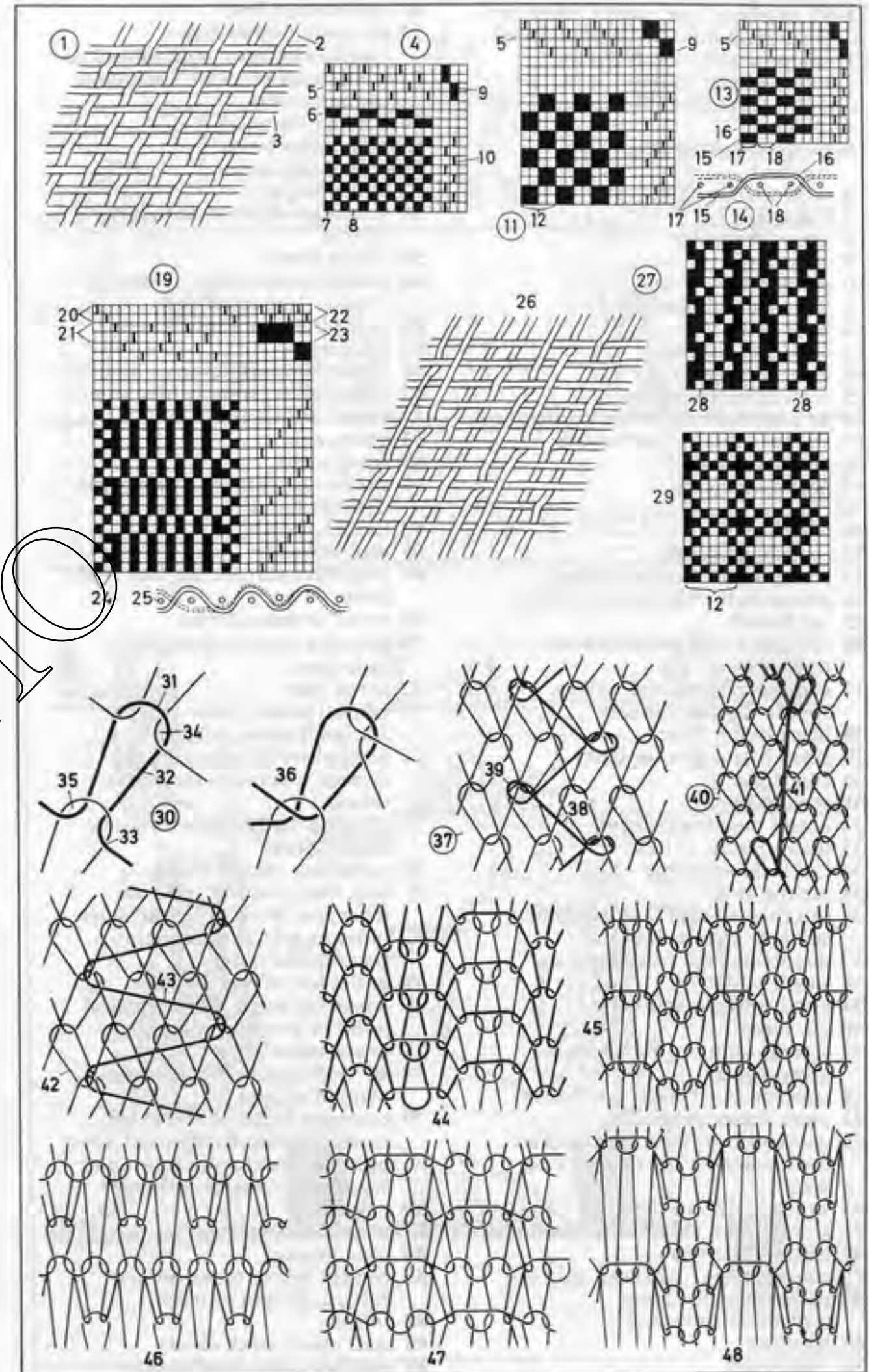


- 1-62 manufacture of polyamide (nylon 6, perlon) fibres (*Am. fibers*)
- 1 coal [raw material for manufacture of polyamide (nylon 6, perlon) fibres (*Am. fibers*)]
 - 2 coking plant for dry coal distillation
 - 3 extraction of coal tar and phenol
 - 4 gradual distillation of tar
 - 5 condenser
 - 6 benzene extraction and dispatch (despatch)
 - 7 chlorine
 - 8 benzene chlorination
 - 9 monochlorobenzene (chlorobenzene)
 - 10 caustic soda solution
 - 11 evaporation of chlorobenzene and caustic soda
 - 12 autoclave
 - 13 sodium chloride (common salt), a by-product
 - 14 phenol (carbolic acid)
 - 15 hydrogen inlet
 - 16 hydrogenation of phenol to produce raw cyclohexanol
 - 17 distillation
 - 18 pure cyclohexanol
 - 19 oxidation (dehydrogenation)
 - 20 formation of cyclohexanone (pimehinketone)
 - 21 hydroxylamine inlet
 - 22 formation of cyclohexanoxime
 - 23 addition of sulphuric acid (*Am. sulfuric acid*) to effect molecular rearrangement
 - 24 ammonia to neutralize sulphuric acid (*Am. sulfuric acid*)
 - 25 formation of caprolactam oil
 - 26 ammonium sulphate (*Am. ammonium sulfate*) solution
 - 27 cooling cylinder
 - 28 caprolactam
 - 29 weighing apparatus
 - 30 melting pot
 - 31 pump
 - 32 filter
 - 33 polymerization in the autoclave
 - 34 cooling of the polyamide
 - 35 solidification of the polyamide
 - 36 vertical lift (*Am. elevator*)
 - 37 extractor for separating the polyamide from the remaining lactam oil
 - 38 drier
 - 39 dry polyamide chips
 - 40 chip container
 - 41 top of spinneret for melting the polyamide and forcing it through spinneret holes (spinning jets)
 - 42 spinneret holes (spinning jets)
 - 43 solidification of the polyamide filaments in the cooling tower
 - 44 collection of extruded filaments into thread form
 - 45 preliminary stretching (preliminary drawing)
 - 46 stretching (cold-drawing) of the polyamide thread to achieve high tensile strength
 - 47 final stretching (final drawing)
 - 48 washing of yarn packages
 - 49 drying chamber
 - 50 rewinding
 - 51 polyamide cone
 - 52 polyamide cone ready for dispatch (despatch)
 - 53 mixer
 - 54 polymerization under vacua
 - 55 stretching (drawing)
 - 56 washing
 - 57 finishing of tow for spinning
 - 58 drying of tow
 - 59 crimping of tow
 - 60 cutting of tow into normal staple lengths
 - 61 polyamide staple
 - 62 bale of polyamide staple

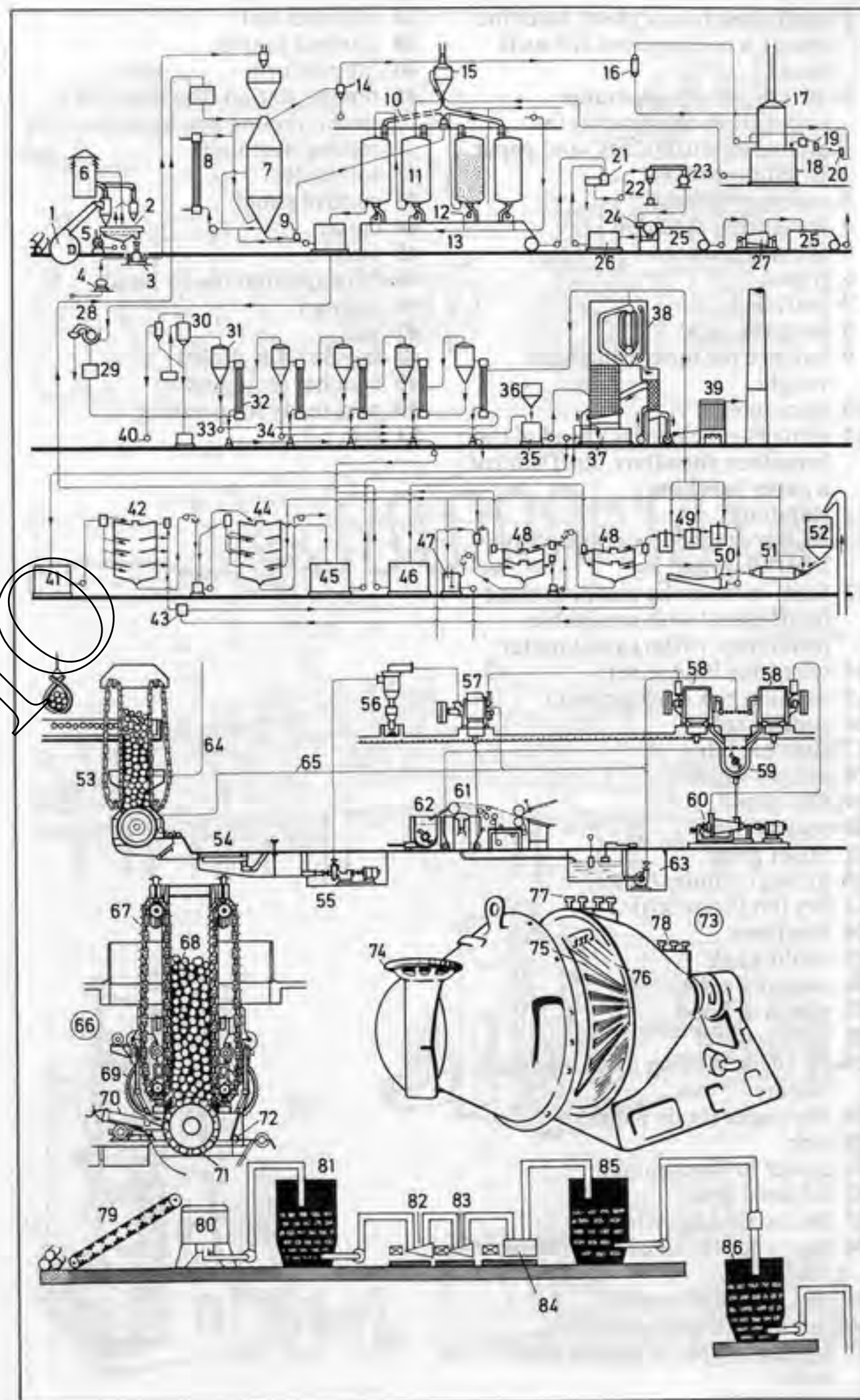


- 1-29 weaves [black squares: warp thread raised, weft thread lowered; white squares: weft thread raised, warp thread lowered]
- 1 plain weave (tabby weave) [weave viewed from above]
- 2 warp thread
- 3 weft thread
- 4 draft (point paper design) for plain weave
- 5 threading draft
- 6 denting draft (reed-threading draft)
- 7 raised warp thread
- 8 lowered warp thread
- 9 tie-up of shafts in pairs
- 10 treadling diagram
- 11 draft for basket weave (hopsack weave, matt weave)
- 12 pattern repeat
- 13 draft for warp rib weave
- 14 section of warp rib fabric, a section through the warp
- 15 lowered weft thread
- 16 raised weft thread
- 17 first and second warp threads [raised]
- 18 third and fourth warp threads [lowered]
- 19 draft for combined rib weave
- 20 selvedge (selvage) thread draft (additional shafts for the selvage)
- 21 draft for the fabric shafts
- 22 tie-up of selvage (selvage) shafts
- 23 tie-up of fabric shafts
- 24 selvedge (selvage) in plain weave
- 25 section through combination rib weave
- 26 thread interlacing of reversible warp-faced cord
- 27 draft (point paper design) for reversible warp-faced cord
- 28 interlacing points
- 29 weaving draft for honeycomb weave in the fabric
- 30-48 basic knits
- 30 loop, an open loop
- 31 head
- 32 side
- 33 neck

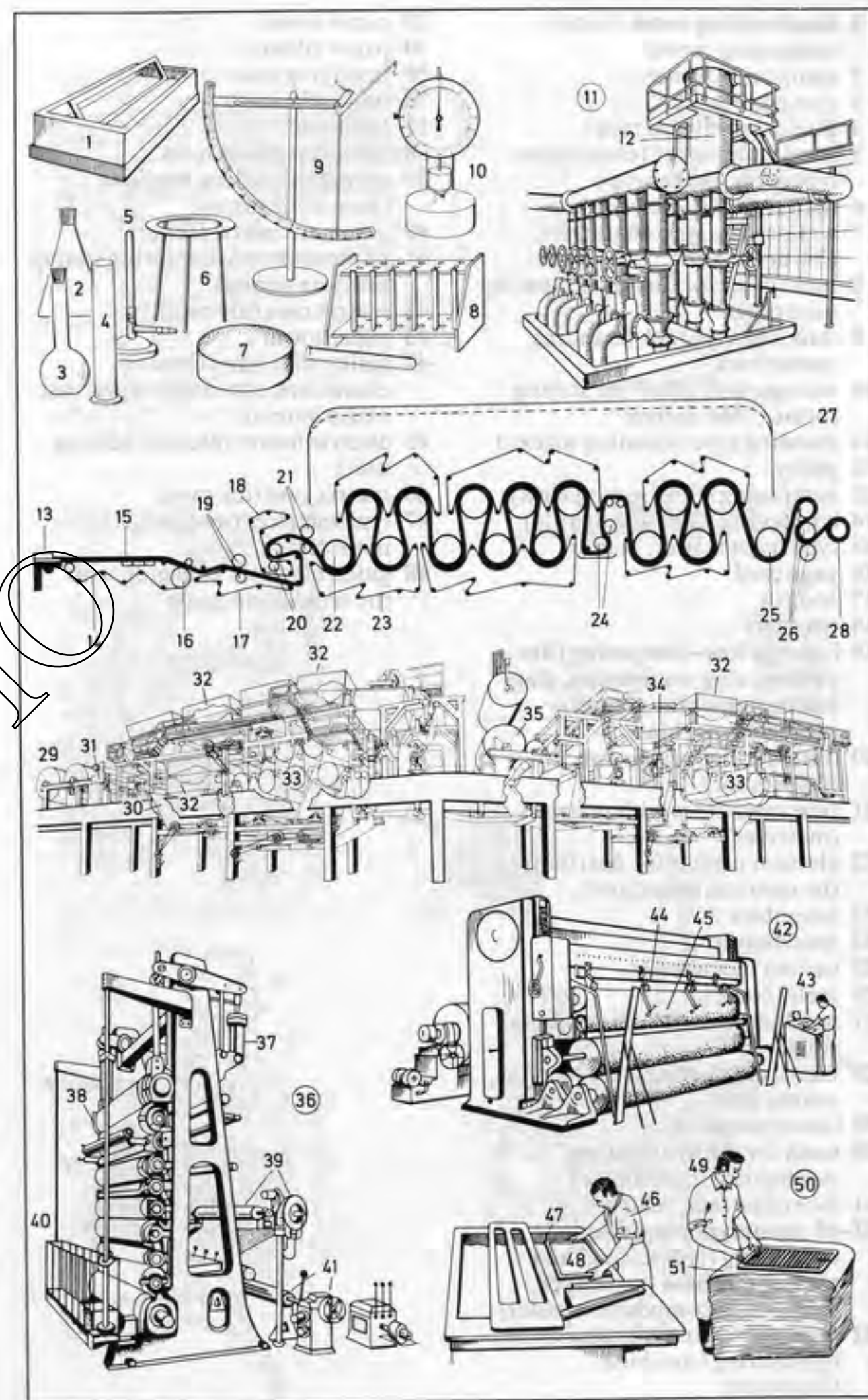
- 34 head interlocking point
- 35 neck interlocking point
- 36 closed loop
- 37 mesh [with inlaid yarn]
- 38 diagonal floating yarn (diagonal floating thread)
- 39 loop interlocking at the head
- 40 float
- 41 loose floating yarn (loose floating thread)
- 42 course
- 43 inlaid yarn
- 44 tuck and miss stitch
- 45 pulled-up tuck stitch
- 46 staggered tuck stitch
- 47 2 x 2 tuck and miss stitch
- 48 double pulled-up tuck stitch



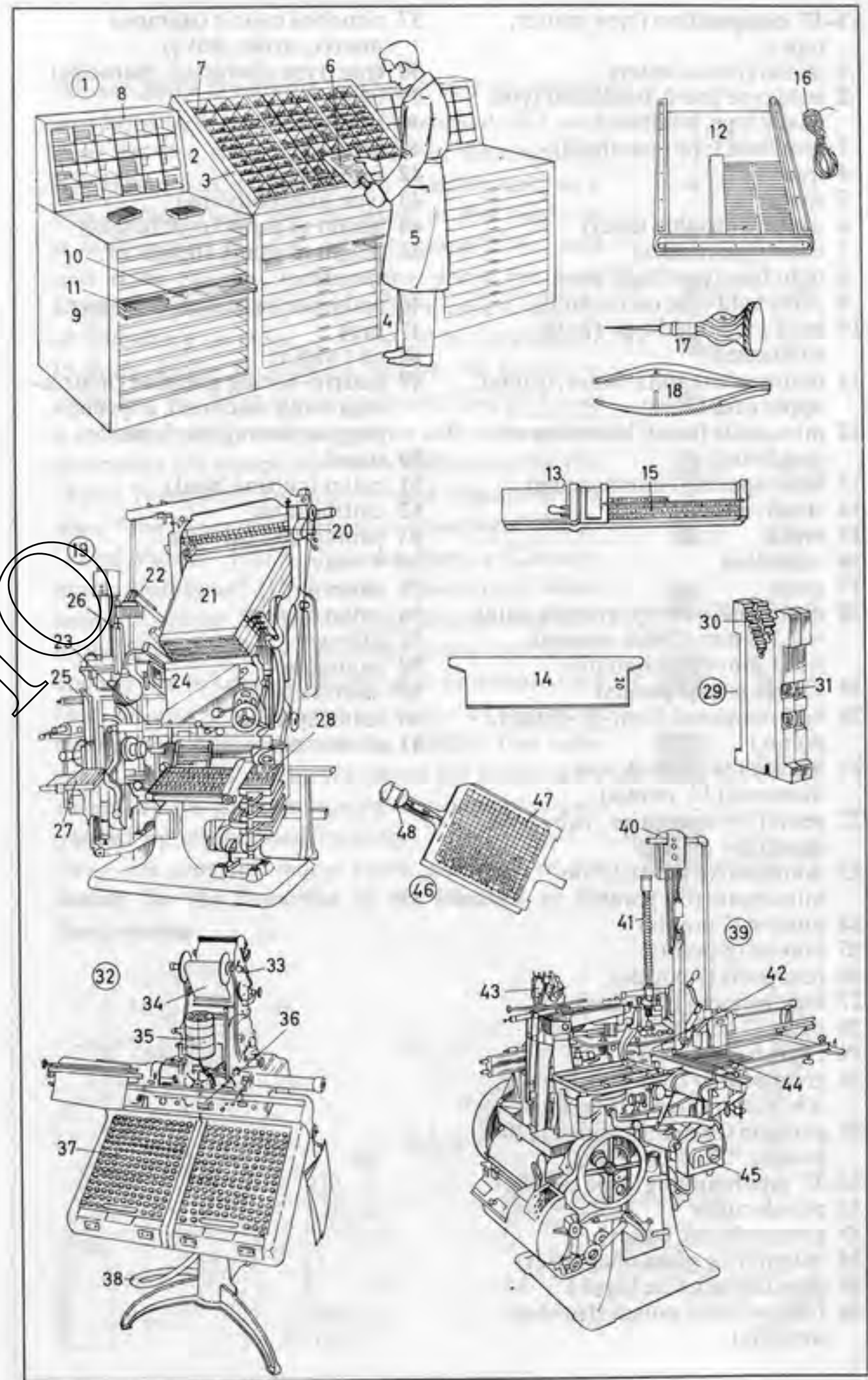
- 1-52 sulphate (*Am.* sulfate) pulp mill (kraft pulp mill) [in diagram form]
- 1 chippers with dust extractor
- 2 rotary screen (riffler)
- 3 chip packer (chip distributor)
- 4 blower
- 5 disintegrator (crusher, chip crusher)
- 6 dust-settling chamber
- 7 digester
- 8 liquor preheater
- 9 control tap
- 10 swing pipe
- 11 blow tank (diffuser)
- 12 blow valve
- 13 blow pit (diffuser)
- 14 turpentine separator
- 15 centralized separator
- 16 jet condenser (injection condenser)
- 17 storage tank for condensate
- 18 hot water tank
- 19 heat exchanger
- 20 filter
- 21 presorter
- 22 centrifugal screen
- 23 rotary sorter (rotary strainer)
- 24 concentrator (thickener, decker)
- 25 vat (chest)
- 26 collecting tank for backwater (low box)
- 27 conical refiner (cone refiner, Jordan, Jordan refiner)
- 28 black liquor filter
- 29 black liquor storage tank
- 30 condenser
- 31 separators
- 32 heater (heating element)
- 33 liquor pump
- 34 heavy liquor pump
- 35 mixing tank
- 36 salt cake storage tank (sodium sulphate storage tank)
- 37 dissolving tank (dissolver)
- 38 steam heater
- 39 electrostatic precipitator
- 40 air pump
- 41 storage tank for the uncleared green liquor
- 42 concentrator (thickener, decker)
- 43 green liquor preheater
- 44 concentrator (thickener, decker) for the weak wash liquor (wash water)
- 45 storage tank for the weak liquor
- 46 storage tank for the cooking liquor
- 47 agitator (stirrer)
- 48 concentrator (thickener, decker)
- 49 causticizing agitators (causticizing stirrers)
- 50 classifier
- 51 lime slaker
- 52 reconverted lime
- 53-65 groundwood mill (mechanical pulp mill) [diagram]
- 53 continuous grinder (continuous chain grinder)
- 54 strainer (knotter)
- 55 pulp water pump
- 56 centrifugal screen
- 57 screen (sorter)
- 58 secondary screen (secondary sorter)
- 59 rejects chest
- 60 conical refiner (cone refiner, Jordan, Jordan refiner)
- 61 pulp-drying machine (pulp machine)
- 62 concentrator (thickener, decker)
- 63 waste water pump (white water pump, pulp water pump)
- 64 steam pipe
- 65 water pipe
- 66 continuous grinder (continuous chain grinder)
- 67 feed chain
- 68 groundwood
- 69 reduction gear for the feed chain drive
- 70 stone-dressing device
- 71 grinding stone (grindstone, pulpstone)
- 72 spray pipe
- 73 conical refiner (cone refiner, Jordan, Jordan refiner)
- 74 handwheel for adjusting the clearance between the knives (blades)
- 75 rotating bladed cone (rotating bladed plug)
- 76 stationary bladed shell (chemical wood pulp, chemical pulp) or groundwood pulp (mechanical pulp)
- 78 outlet for refined cellulose (chemical wood pulp, chemical pulp) or groundwood pulp (mechanical pulp)
- 79-86 stuff (stock) preparation plant [diagram]
- 79 conveyor belt (conveyor) for loading cellulose (chemical wood pulp, chemical pulp) or groundwood pulp (mechanical pulp)
- 80 pulper
- 81 dump chest
- 82 cone breaker
- 83 conical refiner (cone refiner, Jordan, Jordan refiner)
- 84 refiner
- 85 stuff chest (stock chest)
- 86 machine chest (stuff chest)



- | | | | |
|-------|---|-------|---|
| 1 | stuff chest (stock chest, machine chest), a mixing chest for stuff (stock) | 38 | calender roll |
| 2-10 | laboratory apparatus (laboratory equipment) for analysing stuff (stock) and paper | 39 | unwind station |
| 2 | Erlenmeyer flask | 40 | lift platform |
| 3 | volumetric flask | 41 | rewind station (rewinder, re-reeler, reeling machine, re-reeling machine) |
| 4 | measuring cylinder | 42 | roll cutter |
| 5 | Bunsen burner | 43 | control panel |
| 6 | tripod | 44 | cutter |
| 7 | petri dish | 45 | web |
| 8 | test tube rack | 46-51 | papermaking by hand |
| 9 | balance for measuring basis weight | 46 | vatman |
| 10 | micrometer | 47 | vat |
| 11 | centrifugal cleaners ahead of the breastbox (headbox, stuff box) of a paper machine | 48 | mould (<i>Am. mold</i>) |
| 12 | standpipe | 49 | coucher (couchman) |
| 13-28 | paper machine (production line) [diagram] | 50 | post ready for pressing |
| 13 | feed-in from the machine chest (stuff chest) with sand table (sand trap, riffler) and knotter | 51 | felt |
| 14 | wire (machine wire) | | |
| 15 | vacuum box (suction box) | | |
| 16 | suction roll | | |
| 17 | first wet felt | | |
| 18 | second wet felt | | |
| 19 | first press | | |
| 20 | second press | | |
| 21 | offset press | | |
| 22 | drying cylinder (drier) | | |
| 23 | dry felt (drier felt) | | |
| 24 | size press | | |
| 25 | cooling roll | | |
| 26 | calender rolls | | |
| 27 | machine hood | | |
| 28 | delivery reel | | |
| 29-35 | blade coating machine (blade coater) | | |
| 29 | raw paper (body paper) | | |
| 30 | web | | |
| 31 | coater for the top side | | |
| 32 | infrared drier | | |
| 33 | heated drying cylinder | | |
| 34 | coater for the underside (wire side) | | |
| 35 | reel of coated paper | | |
| 36 | calender (Super-calender) | | |
| 37 | hydraulic system for the press rolls | | |



- 1 hand-setting room (hand-composing room)
- 2 composing frame
- 3 case (typecase)
- 4 case cabinet (case rack)
- 5 hand compositor (compositor, typesetter, maker-up)
- 6 manuscript (typescript)
- 7 sorts, types (type characters, characters)
- 8 rack (case) for furniture (spacing material)
- 9 standing type rack (standing matter rack)
- 10 storage shelf (shelf for storing formes, *Am.* forms)
- 11 standing type (standing matter)
- 12 galley
- 13 composing stick (setting stick)
- 14 composing rule (setting rule)
- 15 type (type matter, matter)
- 16 page cord
- 17 bodkin
- 18 tweezers
- 19 Linotype line-composing (line-casting, slug-composing, slug-casting) machine, a multi-magazine machine
- 20 distributing mechanism (distributor)
- 21 type magazines with matrices (matrixes)
- 22 elevator carrier for distributing the matrices (matrixes)
- 23 assembler
- 24 spacebands
- 25 casting mechanism
- 26 metal feeder
- 27 machine-set matter (cast lines, slugs)
- 28 matrices (matrixes) for hand-setting (sorts)
- 29 Linotype matrix
- 30 teeth for the distributing mechanism (distributor)
- 31 face (type face, matrix)
- 32-45 monotype single-unit composing (typesetting) and casting machine (monotype single-unit composition caster)
- 32 monotype standard composing (typesetting) machine (keyboard)
- 33 paper tower
- 34 paper ribbon
- 35 justifying scale
- 36 unit indicator
- 37 keyboard
- 38 compressed-air hose
- 39 monotype casting machine (monotype caster)
- 40 automatic metal feeder
- 41 pump compression spring (pump pressure spring)
- 42 matrix case (die case)
- 43 paper tower
- 44 galley with types (letters, characters, cast single types, cast single letters)
- 45 electric heater (electric heating unit)
- 46 matrix case (die case)
- 47 type matrices (matrixes) (letter matrixes)
- 48 guide block for engaging with the cross-slide guide



- 1-17 **composition** (type matter, type)
- 1 initial (initial letter)
- 2 bold type (bold, boldfaced type, heavy type, boldface)
- 3 semibold type (semibold)
- 4 line
- 5 space
- 6 ligature (double letter)
- 7 italic type (italics)
- 8 light face type (light face)
- 9 extra bold type (extra bold)
- 10 bold condensed type (bold condensed)
- 11 majuscule (capital letter, capital, upper case letter)
- 12 minuscule (small letter, lower case letter)
- 13 letter spacing (interspacing)
- 14 small capitals
- 15 break
- 16 indention
- 17 space
- 18 **type sizes** [one typographic point = 0.376 mm (Didot system), 0.351 mm (Pica system)]
- 19 six-to-pica (2 points)
- 20 half nonpareil (four-to-pica) (3 points)
- 21 brilliant (4 points); *sim.*: diamond (4½ points)
- 22 pearl (5 points); *sim.*: ruby (*Am.* agate) (5½ points)
- 23 nonpareil (6 points); *sim.*: minionette (6½ points)
- 24 minion (7 points)
- 25 bavier (8 points)
- 26 bourgeois (9 points)
- 27 long primer (10 points)
- 28 pica (12 points)
- 29 english (14 points)
- 30 great primer (two-line bavier, *Am.* Columbian) (16 points)
- 31 paragon (two-line primer) (20 points)
- 32-37 **typefounding** (type casting)
- 32 punch cutter
- 33 graver (burin, cutter)
- 34 magnifying glass (magnifier)
- 35 punch blank (die blank)
- 36 finished steel punch (finished steel die)

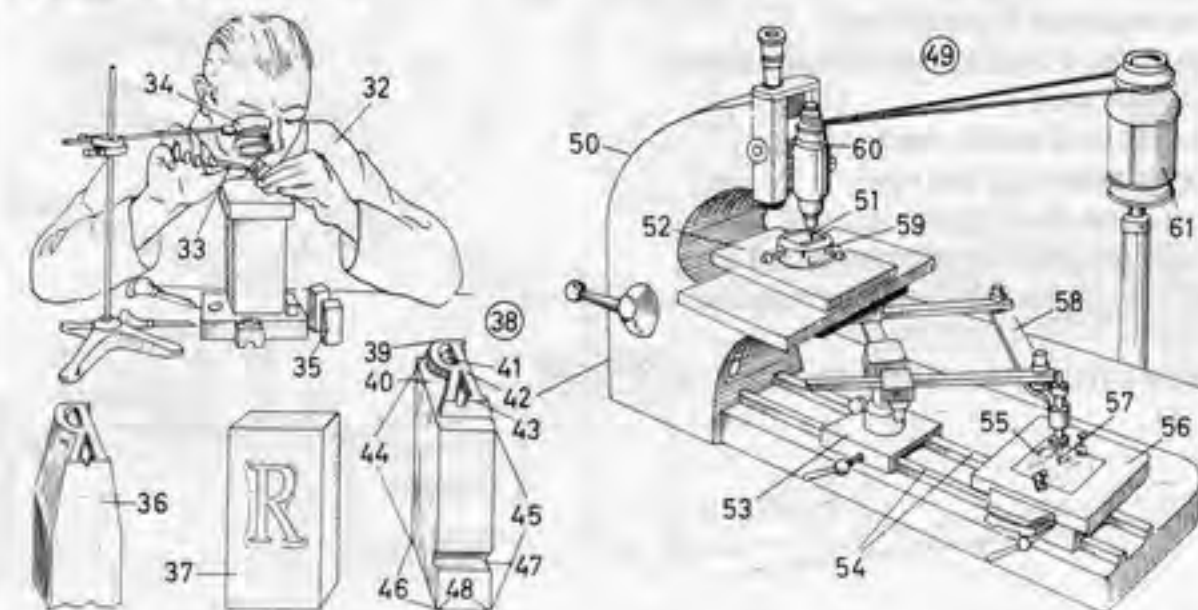
- 37 punched matrix (stamped matrix, strike, drive)
- 38 **type** (type character, character)
- 39 head
- 40 shoulder
- 41 counter
- 42 face (type face)
- 43 type line (bodyline)
- 44 height to paper (type height)
- 45 height of shank (height of shoulder)
- 46 body size (type size, point size)
- 47 nick
- 48 set (width)
- 49 **matrix-boring machine** (matrix-engraving machine), a special-purpose boring machine
- 50 stand
- 51 cutter (cutting head)
- 52 cutting table
- 53 pantograph carriage
- 54 V-way
- 55 pattern
- 56 pattern table
- 57 follower
- 58 pantograph
- 59 matrix clamp
- 60 cutter spindle
- 61 drive motor

1 Alfred John Dodsley, essayist and journalist, 4 was born in Wenlock on the 5th August 1841 and died on the 4th October 1920 in Birmingham. His father was a journeyman thatcher and as a 5 boy Dodsley was sent to work in the fields as a bird-scarer. Having taught himself to read and write fluently — for many years the only 6 books he possessed were a Bible and a volume of Tillotson's sermons — he went to Shrewsbury to study. Living in extreme poverty he began to write for the EAST HEREFORDSHIRE GAZETTE and a collection of his essays together with some poems on country life was published in 1868 under the title "Rural Thoughts". Among his most popular works were "The Diary of a Derbyshire Shepherd" (1872), 7 "Rural Verses" (1879), "Leaves from a Countryman's Notebook" (1893) and "Memoirs of Nineteenth Century Shropshire", published posthumously. Dodsley also contributed many articles on country life to London papers and championed 13 the cause of the agricultural worker during the depression of the 1880's. The latter 11 years of his life were embittered by controversy 12 raised by his protests against the unemployment caused by mechanised farming. 15

16— He was for many years president of the Society for the Protection of the Liberties of the Farm-worker. 10 17

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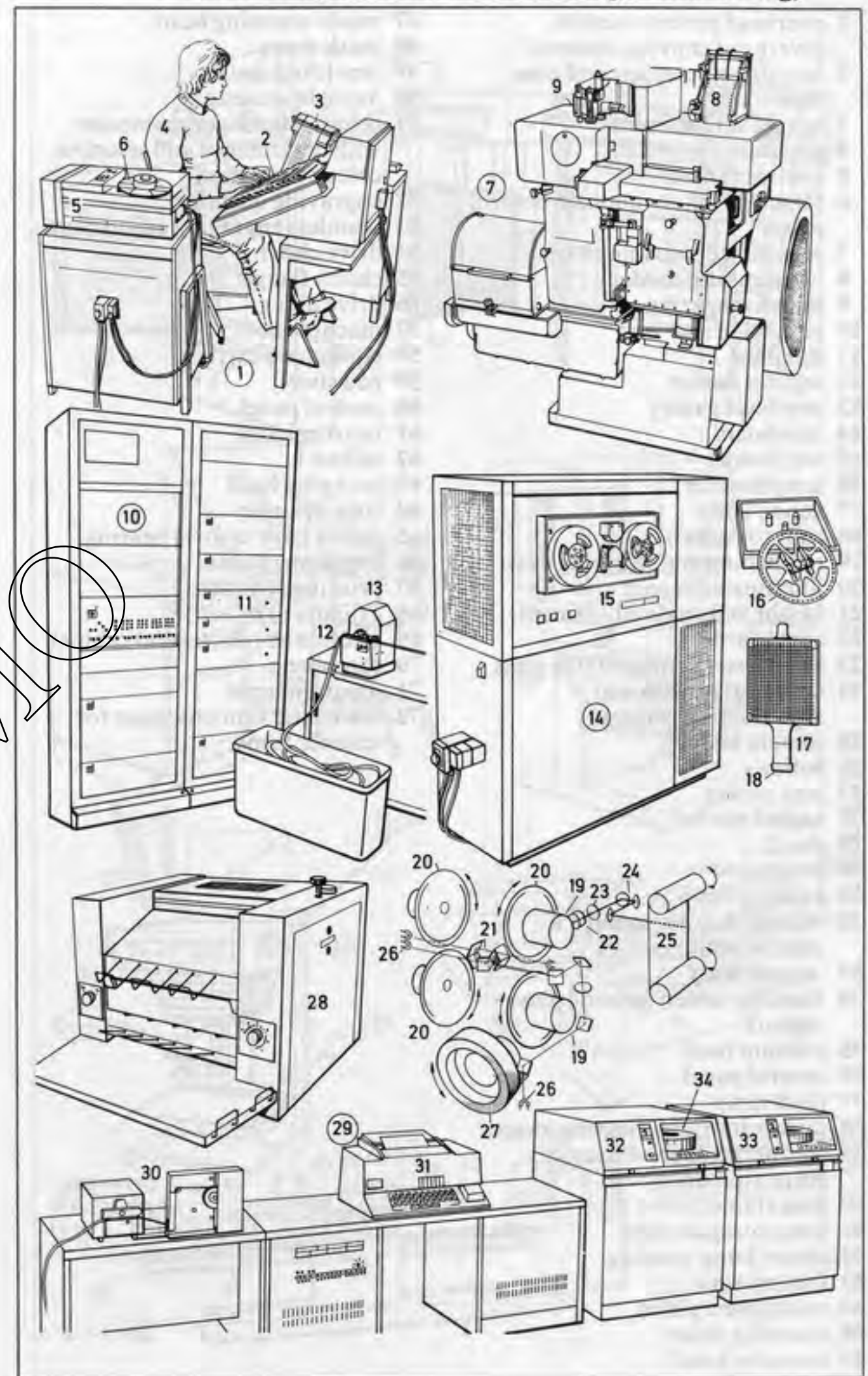
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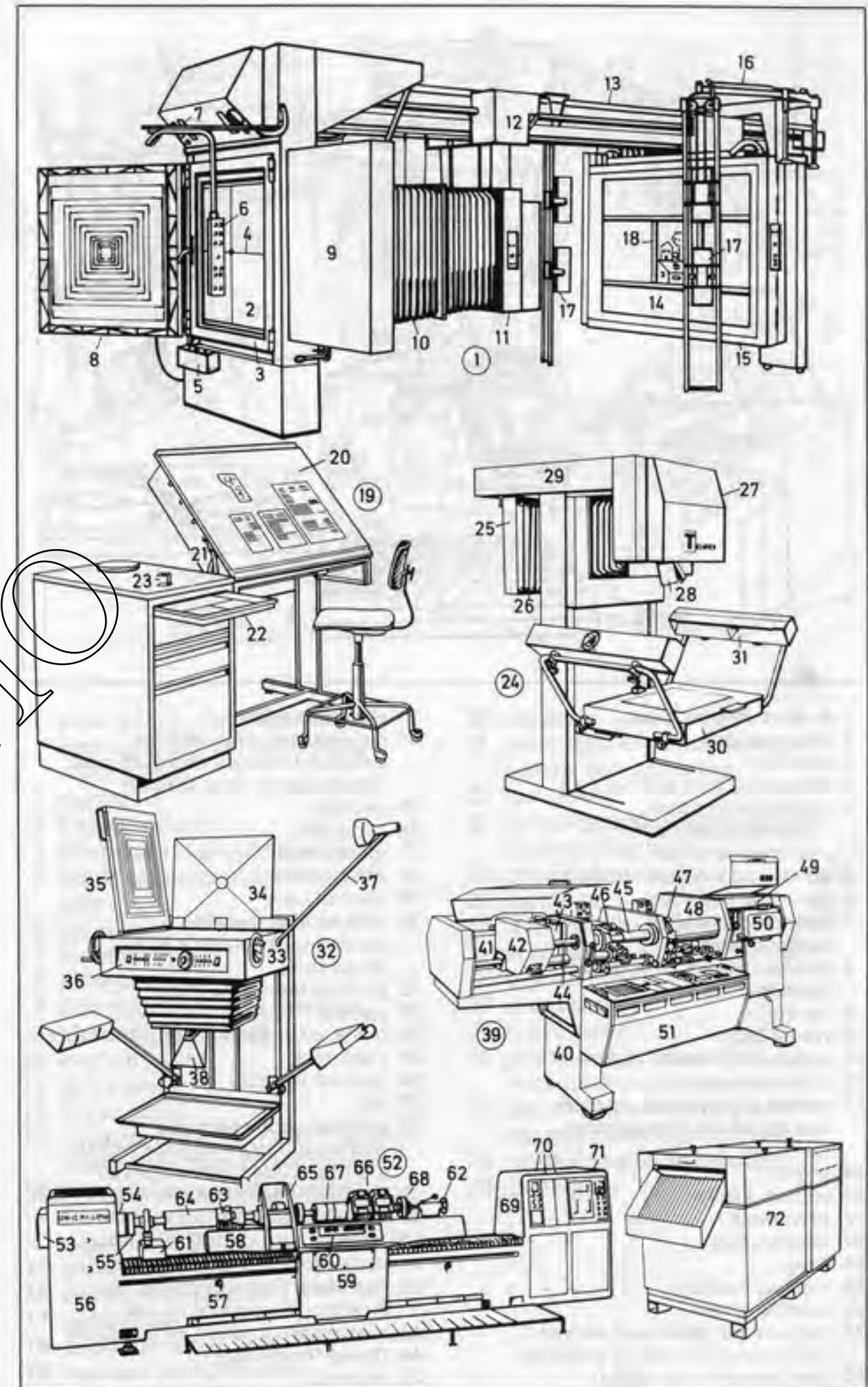
176 Composing Room (Case Room) III (Phototypesetting, Photocomposition, Photosetting, Filmsetting)

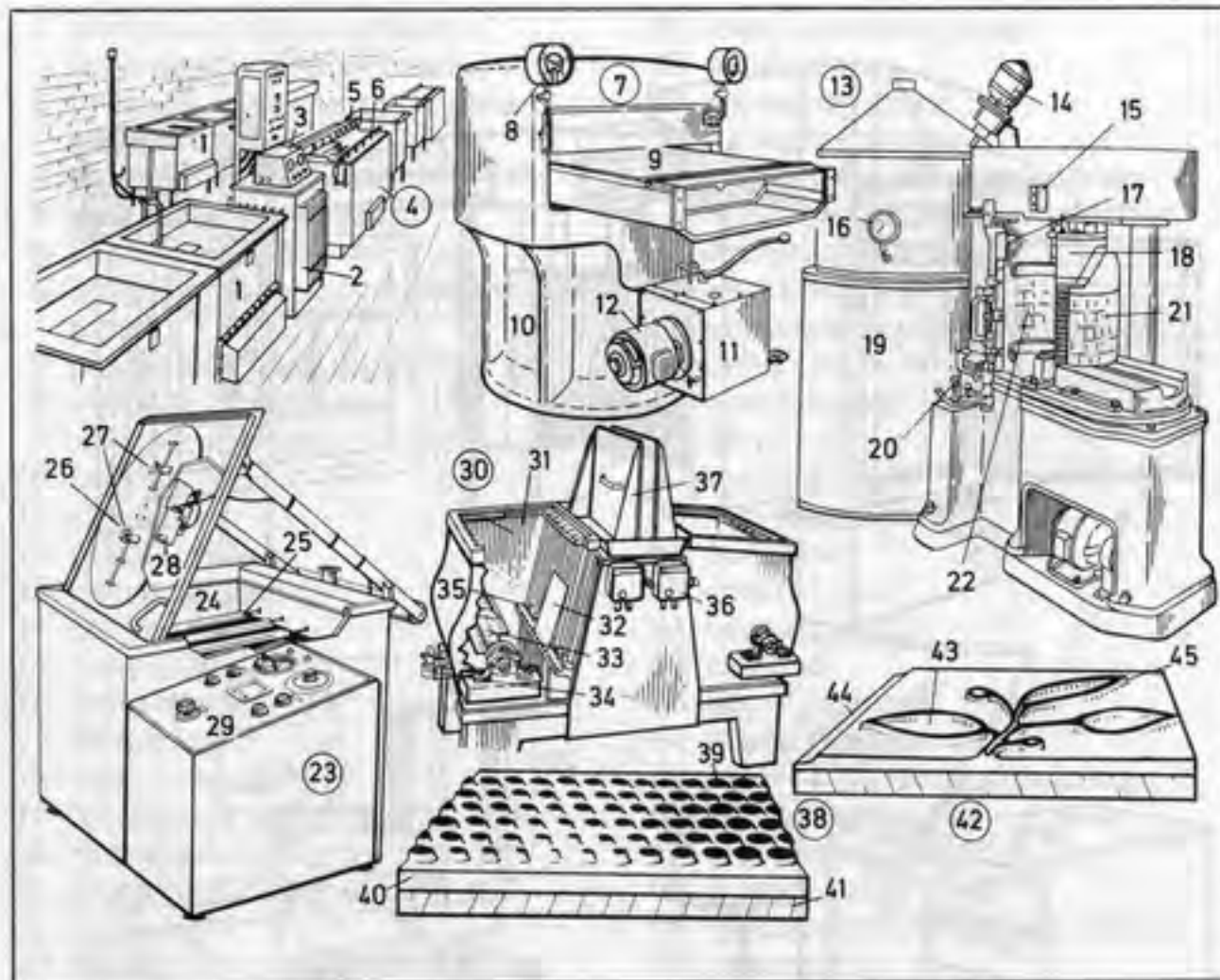
- 1 keyboard console (keyboard unit) for phototypesetting
- 2 keyboard
- 3 manuscript (copy)
- 4 keyboard operator
- 5 tape punch (perforator)
- 6 punched tape (punch tape)
- 7 filmsetter
- 8 punched tape (punch tape)
- 9 exposure control device
- 10 typesetting computer
- 11 memory unit (storage unit)
- 12 punched tape (punch tape)
- 13 punched tape (punch tape) reader
- 14 photo-unit (photographic unit) for computer-controlled typesetting (composition)
- 15 punched tape (punch tape) reader
- 16 type matrices (matrixes) (letter matrices)
- 17 matrix case (film matrix case)
- 18 guide block
- 19 synchronous motor
- 20 type disc (disk) (matrix disc)
- 21 mirror assembly
- 22 optical wedge
- 23 lens
- 24 mirror system
- 25 film
- 26 flash tubes
- 27 matrix drum
- 28 automatic film copier
- 29 central processing unit of a photocomposition system (photosetting system) for newspaper typesetting
- 30 punched tape (punch tape) input (input unit)
- 31 keyboard send-receive teleprinter (Teletype)
- 32 on-line disc (disk) storage unit
- 33 alphanumeric (alphameric) disc (disk) store (alphanumeric disc file)
- 34 disc (disk) stack (disc pack)

Composing Room (Case Room) III (Phototypesetting, 176 Photocomposition, Photosetting, Filmsetting)



- 1 overhead process camera (overhead copying camera)
- 2 focusing screen (ground glass screen)
- 3 hinged screen holder
- 4 graticule
- 5 control console
- 6 hinged bracket-mounted control panel
- 7 percentage focusing charts
- 8 vacuum film holder
- 9 screen magazine
- 10 bellows
- 11 standard
- 12 register device
- 13 overhead gantry
- 14 copyboard
- 15 copyholder
- 16 lamp bracket
- 17 xenon lamp
- 18 copy (original)
- 19 retouching and stripping desk
- 20 illuminated screen
- 21 height and angle adjustment
- 22 copyboard
- 23 linen tester, a magnifying glass
- 24 universal process and reproduction camera
- 25 camera body
- 26 bellows
- 27 lens carrier
- 28 angled mirror
- 29 stand
- 30 copyboard
- 31 halogen lamp
- 32 vertical process camera, a compact camera
- 33 camera body
- 34 focusing screen (ground glass screen)
- 35 vacuum back
- 36 control panel
- 37 flash lamp
- 38 mirror for right-reading images
- 39 scanner (colour, *Am.* color, correction unit)
- 40 base frame
- 41 lamp compartment
- 42 xenon lamp housing
- 43 feed motors
- 44 transparency arm
- 45 scanning drum
- 46 scanning head
- 47 mask-scanning head
- 48 mask drum
- 49 recording space
- 50 daylight cassette
- 51 colour (*Am.* color) computer with control unit and selective colour correction
- 52 engraving machine
- 53 seamless engraving adjustment
- 54 drive clutch
- 55 clutch flange
- 56 drive unit
- 57 machine bed
- 58 equipment carrier
- 59 bed slide
- 60 control panel
- 61 bearing block
- 62 tailstock
- 63 scanning head
- 64 copy cylinder
- 65 centre (*Am.* center) bearing
- 66 engraving system
- 67 printing cylinder
- 68 cylinder arm
- 69 electronics (electronic) cabinet
- 70 computers
- 71 program input
- 72 automatic film processor for scanner films



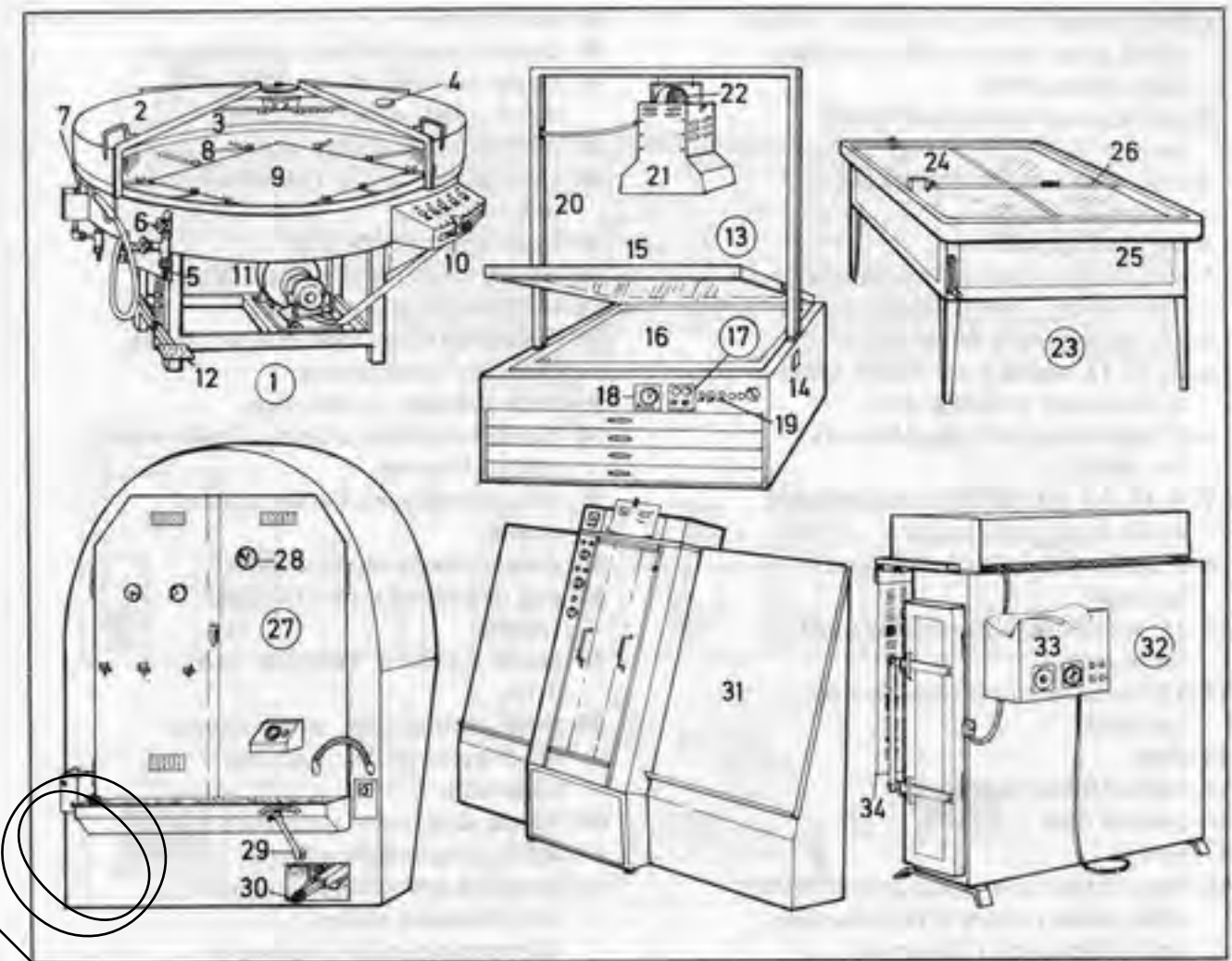


1-6 electrotyping plant

- 1 cleaning tank
- 2 rectifier
- 3 measuring and control unit
- 4 electroplating tank (electroplating bath, electroplating vat)
- 5 anode rod (copper anodes)
- 6 plate rod (cathode)
- 7 hydraulic moulding (*Am.* moulding) press
- 8 pressure gauge (*Am.* gage) (manometer)
- 9 apron
- 10 round base
- 11 hydraulic pressure pump
- 12 drive motor
- 13 curved plate casting machine (curved electrotype casting machine)
- 14 motor
- 15 control knobs
- 16 pyrometer
- 17 mouth piece
- 18 core
- 19 melting furnace
- 20 starting lever
- 21 cast curved plate (cast curved electrotype) for rotary printing
- 22 fixed mould (*Am.* mold)

23 etching machine

- 24 etching tank with etching solution (etchant, mordant) and filming agent (film former)
- 25 paddles
- 26 turntable
- 27 plate clamp
- 28 drive motor
- 29 control unit
- 30 twin etching machine
- 31 etching tank (etching bath) [in section]
- 32 photoprinted zinc plate
- 33 paddle
- 34 outlet cock (drain cock, *Am.* faucet)
- 35 plate rack
- 36 control switches
- 37 lid
- 38 half-tone photoengraving (half-tone block, half-tone plate), a block (plate, printing plate)
- 39 dot (half-tone dot), a printing element
- 40 etched zinc plate
- 41 block mount (block mounting, plate mount, plate mounting)
- 42 line block (line engraving, line etching, line plate, line cut)
- 43 non-printing, deep-etched areas
- 44 flange (bevel edge)
- 45 sidewall



1 plate whirler (whirler, plate-coating machine) for coating offset plates

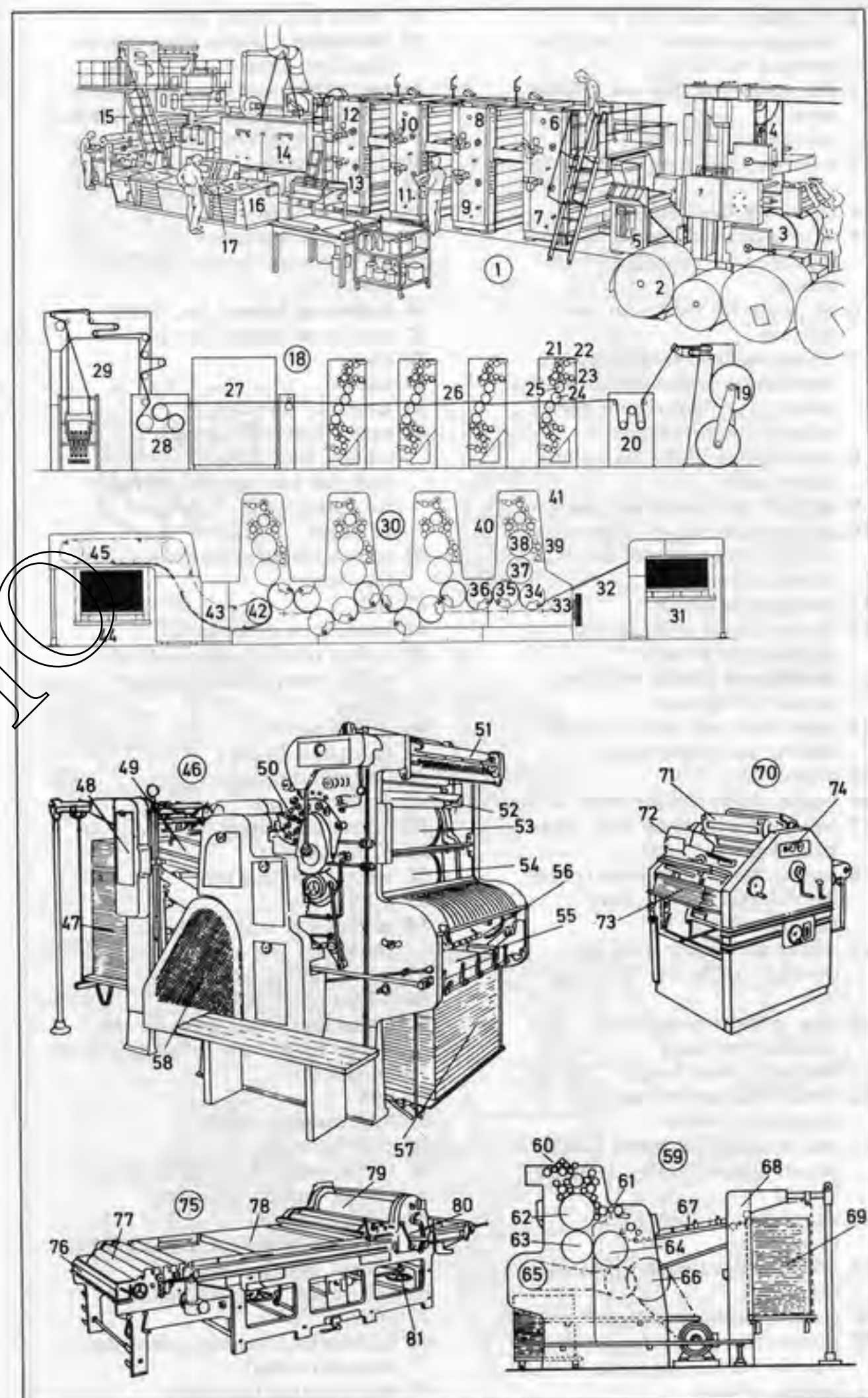
- 2 sliding lid
- 3 electric heater
- 4 temperature gauge (*Am.* gage)
- 5 water connection for the spray unit
- 6 spray unit
- 7 hand spray
- 8 plate clamps
- 9 zinc plate (*also*: magnesium plate, copper plate)
- 10 control panel
- 11 drive motor
- 12 brake pedal
- 13 vacuum printing frame (vacuum frame, printing-down frame)
- 14 base of the vacuum printing frame (vacuum frame, printing-down frame)
- 15 plate glass frame
- 16 coated offset plate
- 17 control panel
- 18 exposure timer
- 19 vacuum pump switch

20 support

- 21 point light exposure lamp, a quartz-halogen lamp
- 22 fan blower
- 23 stripping table (make-up table) for stripping films
- 24 crystal glass screen
- 25 light box
- 26 straightedge rules
- 27 vertical plate-drying cabinet
- 28 hygrometer
- 29 speed control
- 30 brake pedal
- 31 processing machine for presensitized plates
- 32 burning-in oven for glue-enamel plates (diaz plates)
- 33 control box (control unit)
- 34 diazo plate

- 1 four-colour (*Am.* four-color) rotary offset press (rotary offset machine, web-offset press)
- 2 roll of unprinted paper (blank paper)
- 3 reel stand (carrier for the roll of unprinted paper)
- 4 forwarding rolls
- 5 side margin control (margin control, side control, side lay control)
- 6-13 inking units (inker units)
- 6, 8, 10, 12 inking units (inker units) in the upper printing unit
- 6-7 perfecting unit (double unit) for yellow
- 7, 9, 11, 13 inking units (inker units) in the lower printing unit
- 8-9 perfecting unit (double unit) for cyan
- 10-11 perfecting unit (double unit) for magenta
- 12-13 perfecting unit (double unit) for black
- 14 drier
- 15 folder (folder unit)
- 16 control desk
- 17 sheet
- 18 four-colour (*Am.* four-color) rotary offset press (rotary offset machine, web-offset press) [diagram]
- 19 reel stand
- 20 side margin control (margin control, side control, side lay control)
- 21 inking rollers (ink rollers, inkers)
- 22 ink duct (ink fountain)
- 23 damping rollers (dampening rollers, dampers, dampeners)
- 24 blanket cylinder
- 25 plate cylinder
- 26 route of the paper (of the web)
- 27 drier
- 28 chilling rolls (cooling rollers, chill rollers)
- 29 folder (folder unit)
- 30 four-colour (*Am.* four-color) sheet-fed offset machine (offset press) [diagram]
- 31 sheet feeder (feeder)
- 32 feed table (feed board)
- 33 route of the sheets through swing-grippers to the feed drum
- 34 feed drum
- 35 impression cylinder
- 36 transfer drums (transfer cylinders)
- 37 blanket cylinder
- 38 plate cylinder
- 39 damping unit (dampening unit)
- 40 inking units (inker units)
- 41 printing unit
- 42 delivery cylinder
- 43 chain delivery

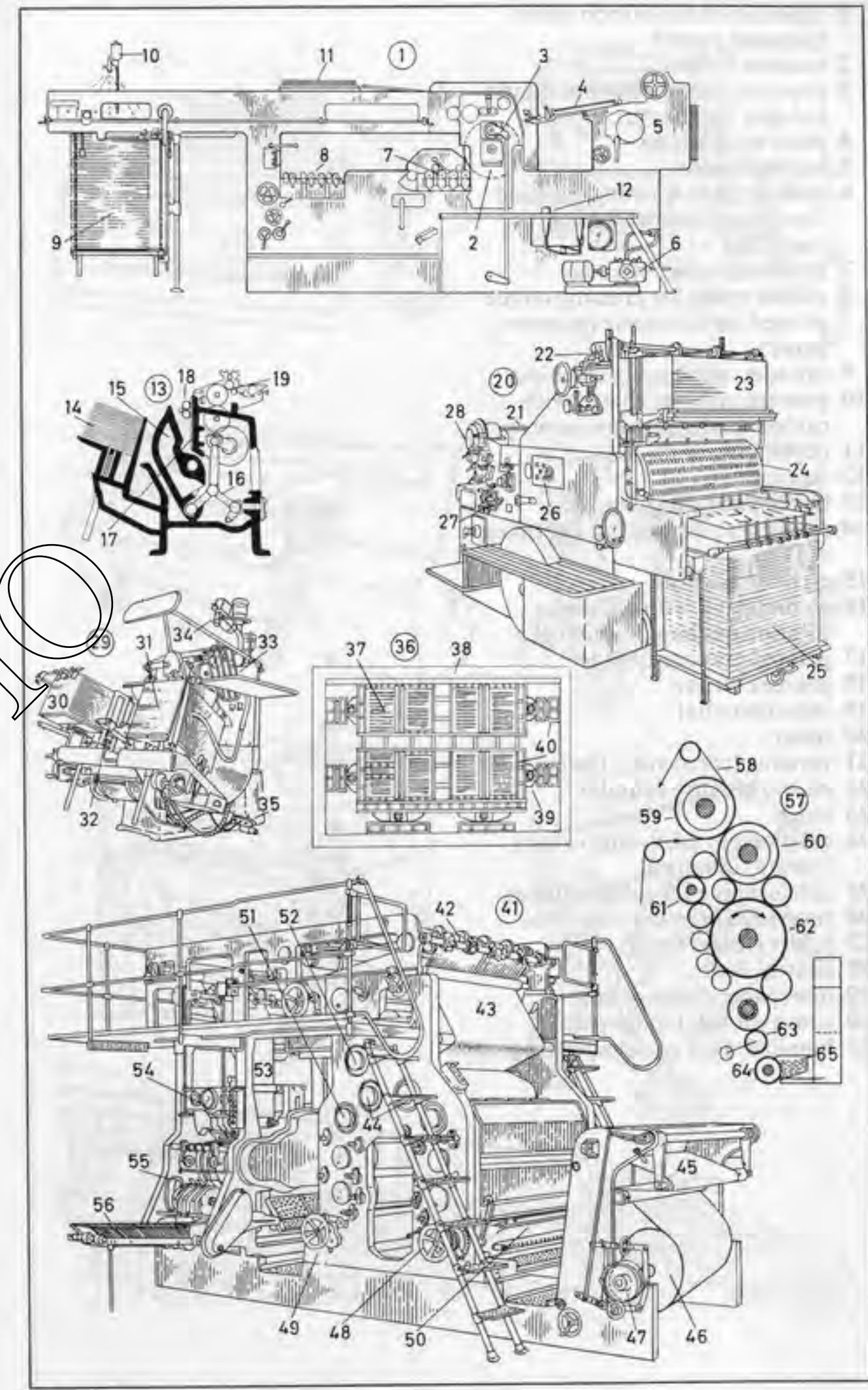
- 44 delivery pile
- 45 delivery unit (delivery mechanism)
- 46 single-colour (*Am.* single-color) offset press (offset machine)
- 47 pile of paper (sheets, printing paper)
- 48 sheet feeder (feeder), an automatic pile feeder
- 49 feed table (feed board)
- 50 inking rollers (ink rollers, inkers)
- 51 inking units (inker units)
- 52 damping rollers (dampening rollers, dampers, dampeners)
- 53 plate cylinder, a zinc plate
- 54 blanket cylinder, a steel cylinder with rubber blanket
- 55 pile delivery unit for the printed sheets
- 56 gripper bar, a chain gripper
- 57 pile of printed paper (printed sheets)
- 58 guard for the V-belt (vee-belt) drive
- 59 single-colour (*Am.* single-color) offset press (offset machine) [diagram]
- 60 inking unit (inker unit) with inking rollers (ink rollers, inkers)
- 61 damping unit (dampening unit) with damping rollers (dampening rollers, dampers, dampeners)
- 62 plate cylinder
- 63 blanket cylinder
- 64 impression cylinder
- 65 delivery cylinders with grippers
- 66 drive wheel
- 67 feed table (feed board)
- 68 sheet feeder (feeder)
- 69 pile of unprinted paper (blank paper, unprinted sheets, blank sheets)
- 70 small sheet-fed offset press
- 71 inking unit (inker unit)
- 72 suction feeder
- 73 pile feeder
- 74 instrument panel (control panel) with counter, pressure gauge (*Am.* gage), air regulator, and control switch for the sheet feeder (feeder)
- 75 flat-bed offset press (offset machine) ('Mailänder' proofing press, proof press)
- 76 inking unit (inker unit)
- 77 inking rollers (ink rollers, inkers)
- 78 bed (press bed, type bed, forme bed, *Am.* form bed)
- 79 cylinder with rubber blanket
- 80 starting and stopping lever for the printing unit
- 81 impression-setting wheel (impression-adjusting wheel)



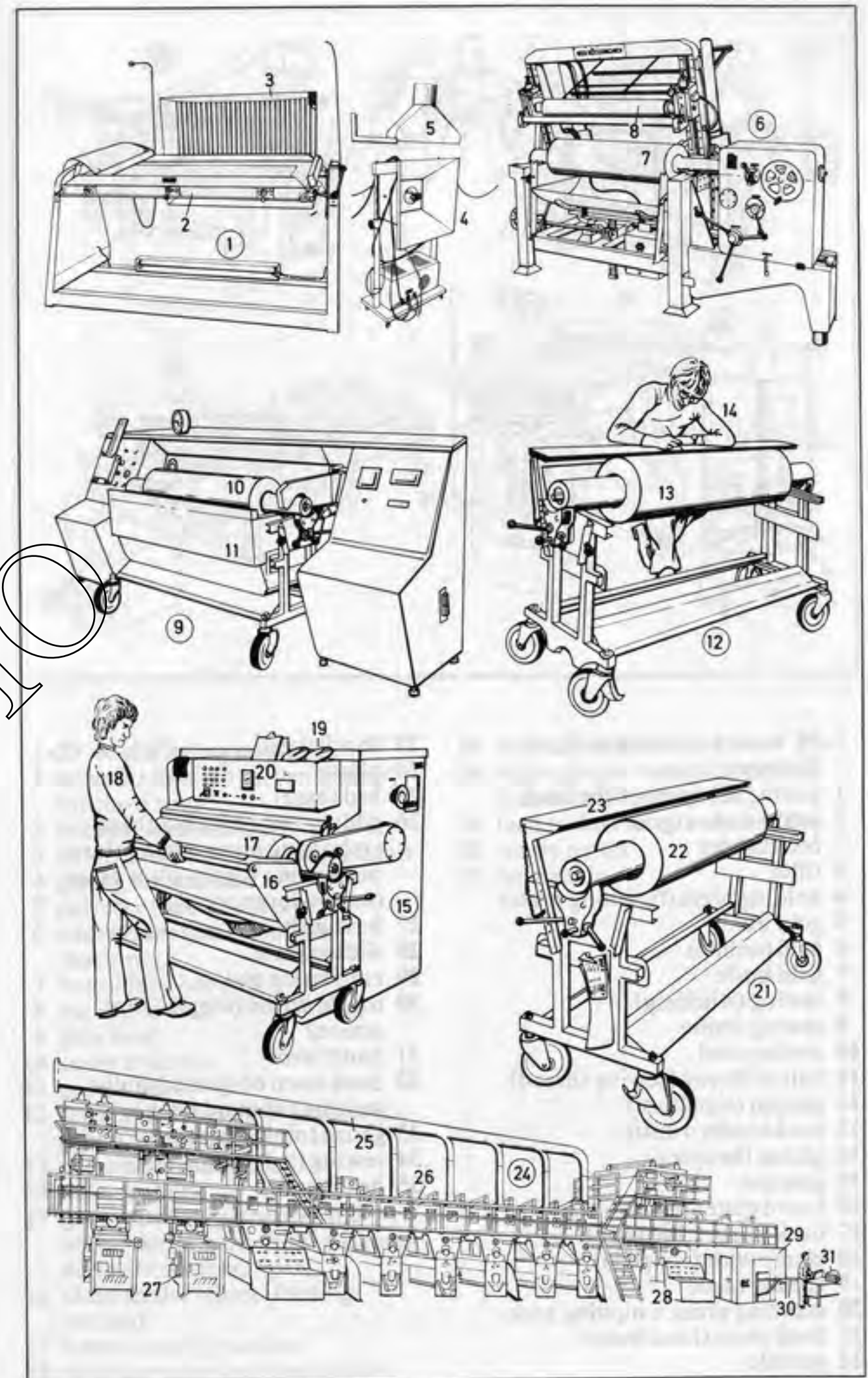
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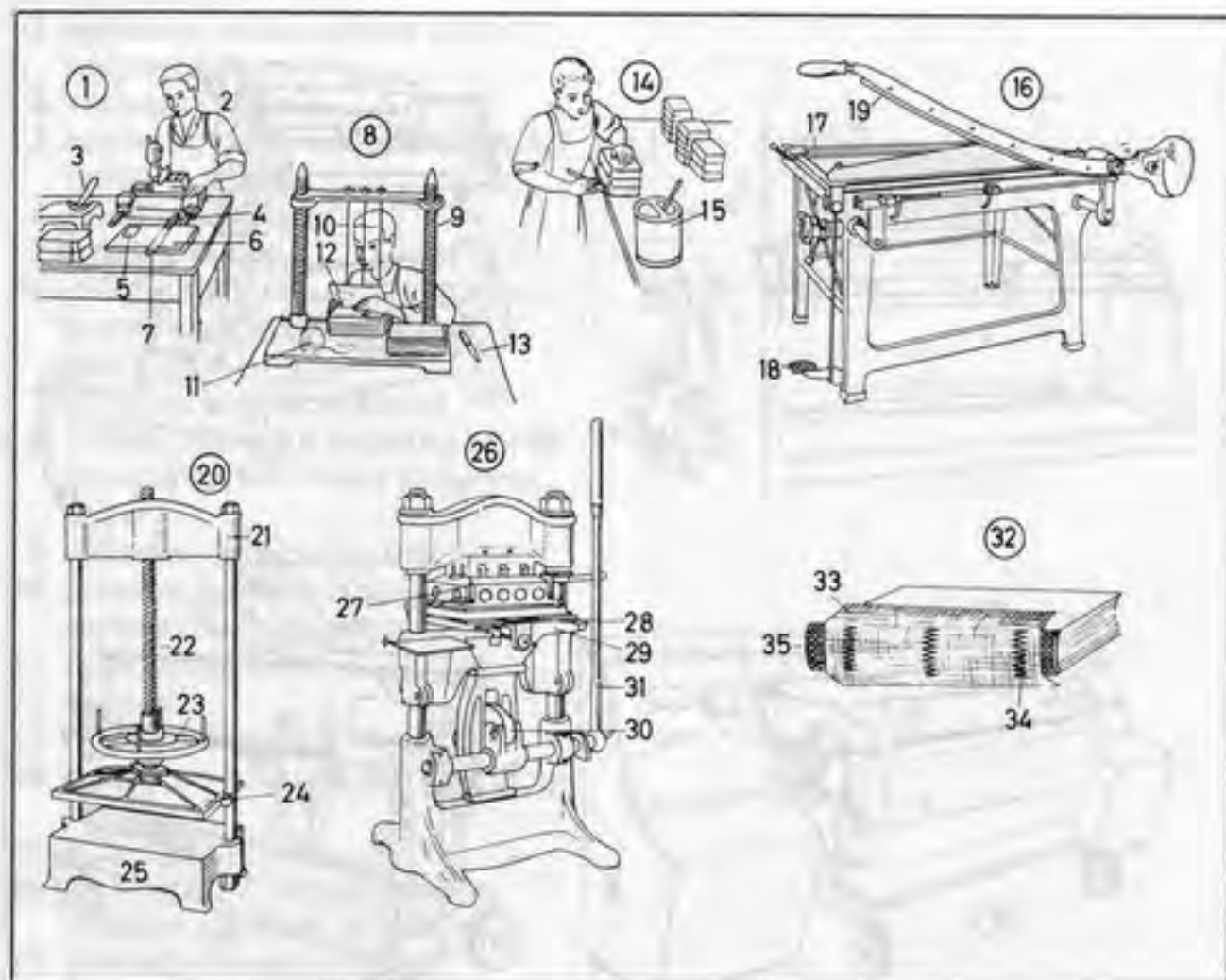
- 1-65 presses (machines) for letterpress printing (letterpress printing machines)
- 1 two-revolution flat-bed cylinder press
- 2 impression cylinder
- 3 lever for raising or lowering the cylinder
- 4 feed table (feed board)
- 5 automatic sheet feeder (feeder) [operated by vacuum and air blasts]
- 6 air pump for the feeder and delivery
- 7 inking unit (inker unit) with distributing rollers (distributor rollers, distributors) and forme rollers (*Am. form rollers*)
- 8 ink slab (ink plate) inking unit (inker unit)
- 9 delivery pile for printed paper
- 10 sprayer (anti set-off apparatus, anti set-off spray) for dusting the printed sheets
- 11 interleaving device
- 12 foot pedal for starting and stopping the press
- 13 platen press (platen machine, platen) [in section]
- 14 paper feed and delivery (paper feeding and delivery unit)
- 15 platen
- 16 toggle action (toggle-joint action)
- 17 bed (type bed, press bed, forme bed, *Am. form bed*)
- 18 forme rollers (*Am. form rollers*) (forme-inking, *Am. form-inking, rollers*)
- 19 inking unit (inker unit) for distributing the ink (printing ink)
- 20 stop-cylinder press (stop-cylinder machine)
- 21 feed table (feed board)
- 22 feeder mechanism (feeding apparatus, feeder)
- 23 pile of unprinted paper (blank paper, unprinted sheets, blank sheets)
- 24 guard for the sheet feeder (feeder)
- 25 pile of printed paper (printed sheets)
- 26 control mechanism
- 27 forme rollers (*Am. form rollers*) (forme-inking, *Am. form-inking, rollers*)

- 28 inking unit (inker unit)
- 29 [Heidelberg] platen press (platen machine, platen)
- 30 feed table (feed board) with pile of unprinted paper (blank paper, unprinted sheets, blank sheets)
- 31 delivery table
- 32 starting and stopping lever
- 33 delivery blower
- 34 spray gun (sprayer)
- 35 air pump for vacuum and air blasts
- 36 locked-up forme (*Am. form*)
- 37 type (type matter, matter)
- 38 chase
- 39 quoin
- 40 length of furniture
- 41 rotary letterpress press (rotary letterpress machine, web-fed letterpress machine) for newspapers of up to 16 pages
- 42 slitters for dividing the width of the web
- 43 web
- 44 impression cylinder
- 45 jockey roller (compensating roller, compensator, tension roller)
- 46 roll of paper
- 47 automatic brake
- 48 first printing unit
- 49 perfecting unit
- 50 inking unit (inker unit)
- 51 plate cylinder
- 52 second printing unit
- 53 former
- 54 tachometer with sheet counter
- 55 folder (folder unit)
- 56 folded newspaper
- 57 inking unit (inker unit) for the rotary press (web-fed press) [in section]
- 58 web
- 59 impression cylinder
- 60 plate cylinder
- 61 forme rollers (*Am. form rollers*) (forme-inking, *Am. form-inking, rollers*)
- 62 distributing rollers (distributor rollers, distributors)
- 63 lifter roller (ductor, ductor roller)
- 64 duct roller (fountain roller, ink fountain roller)
- 65 ink duct (ink fountain)



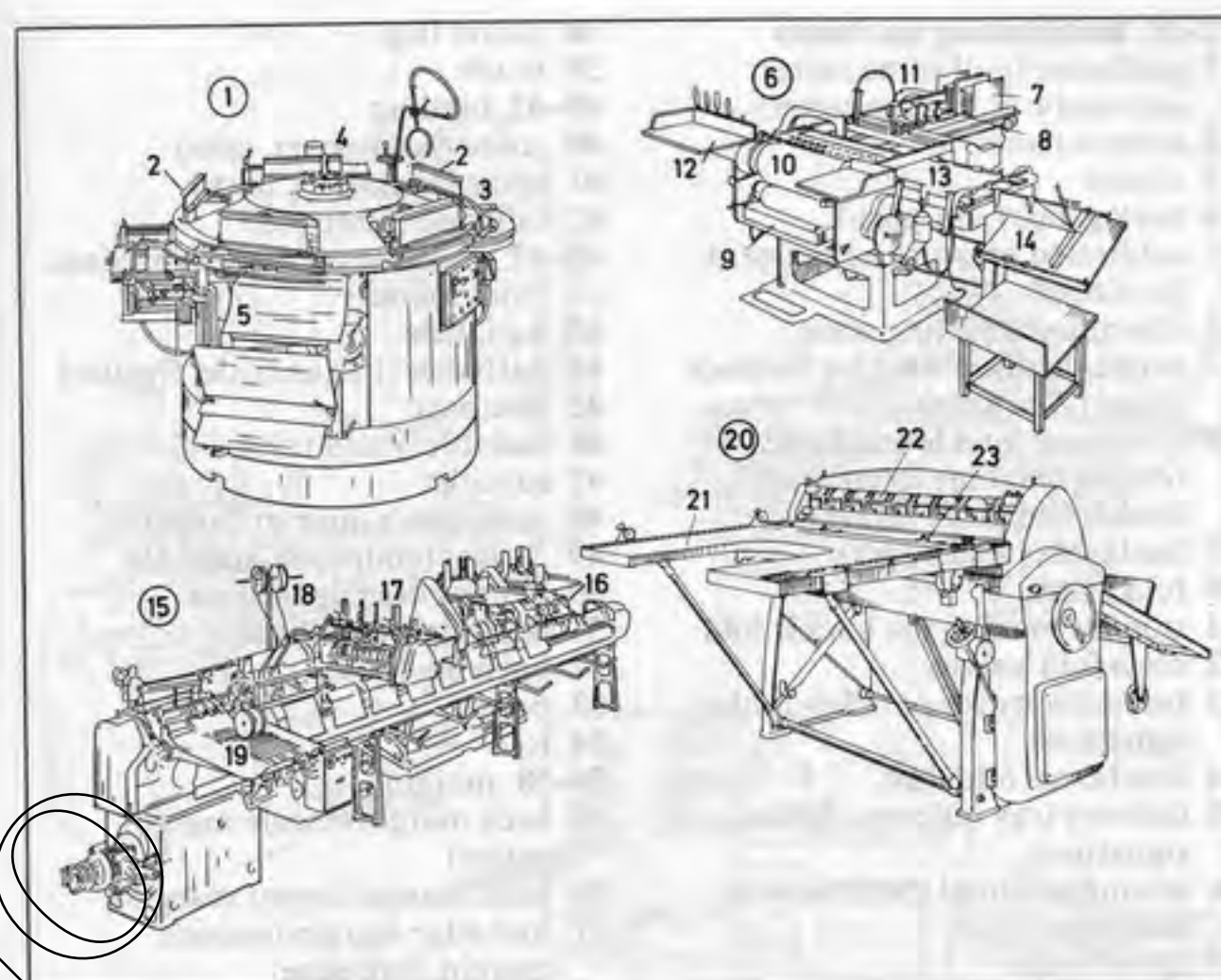
- 1 exposure of the carbon tissue (pigment paper)
- 2 vacuum frame
- 3 exposing lamp, a bank of quartz-halogen lamps
- 4 point source lamp
- 5 heat extractor
- 6 carbon tissue transfer machine (laydown machine, laying machine)
- 7 polished copper cylinder
- 8 rubber roller for pressing on the printed carbon tissue (pigment paper)
- 9 cylinder-processing machine
- 10 gravure cylinder coated with carbon tissue (pigment paper)
- 11 developing tank
- 12 staging
- 13 developed cylinder
- 14 retoucher painting out (stopping out)
- 15 etching machine
- 16 etching tank with etching solution (etchant, mordant)
- 17 printed gravure cylinder
- 18 gravure etcher
- 19 calculator dial
- 20 timer
- 21 revising (correcting) the cylinder
- 22 etched gravure cylinder
- 23 ledge
- 24 multicolour (*Am.* multicolor) rotogravure press
- 25 exhaust pipe for solvent fumes
- 26 reversible printing unit
- 27 folder (folder unit)
- 28 control desk
- 29 newspaper delivery unit
- 30 conveyor belt (conveyor)
- 31 bundled stack of newspapers





1-35 hand bookbinding (hand bindery)

- 1 gilding the spine of the book
- 2 gold finisher (gilder), a bookbinder
- 3 fillet
- 4 holding press (finishing press)
- 5 gold leaf
- 6 gold cushion
- 7 gold knife
- 8 sewing (stitching)
- 9 sewing frame
- 10 sewing cord
- 11 ball of thread (sewing thread)
- 12 section (signature)
- 13 bookbinder's knife
- 14 gluing the spine
- 15 glue pot
- 16 board cutter (guillotine)
- 17 back gauge (*Am.* gage)
- 18 clamp with foot pedal
- 19 cutting blade
- 20 standing press, a nipping press
- 21 head piece (head beam)
- 22 spindle
- 23 handwheel
- 24 platen
- 25 bed (base)
- 26 gilding (gold blocking) and embossing press, a hand-lever press; *sim.*: toggle-joint press (toggle-lever press)
- 27 heating box
- 28 sliding plate
- 29 embossing platen
- 30 toggle action (toggle-joint action)
- 31 hand lever
- 32 book sewn on gauze (mull, scrim) (unbound book)
- 33 gauze (mull, scrim)
- 34 sewing (stitching)
- 35 headband



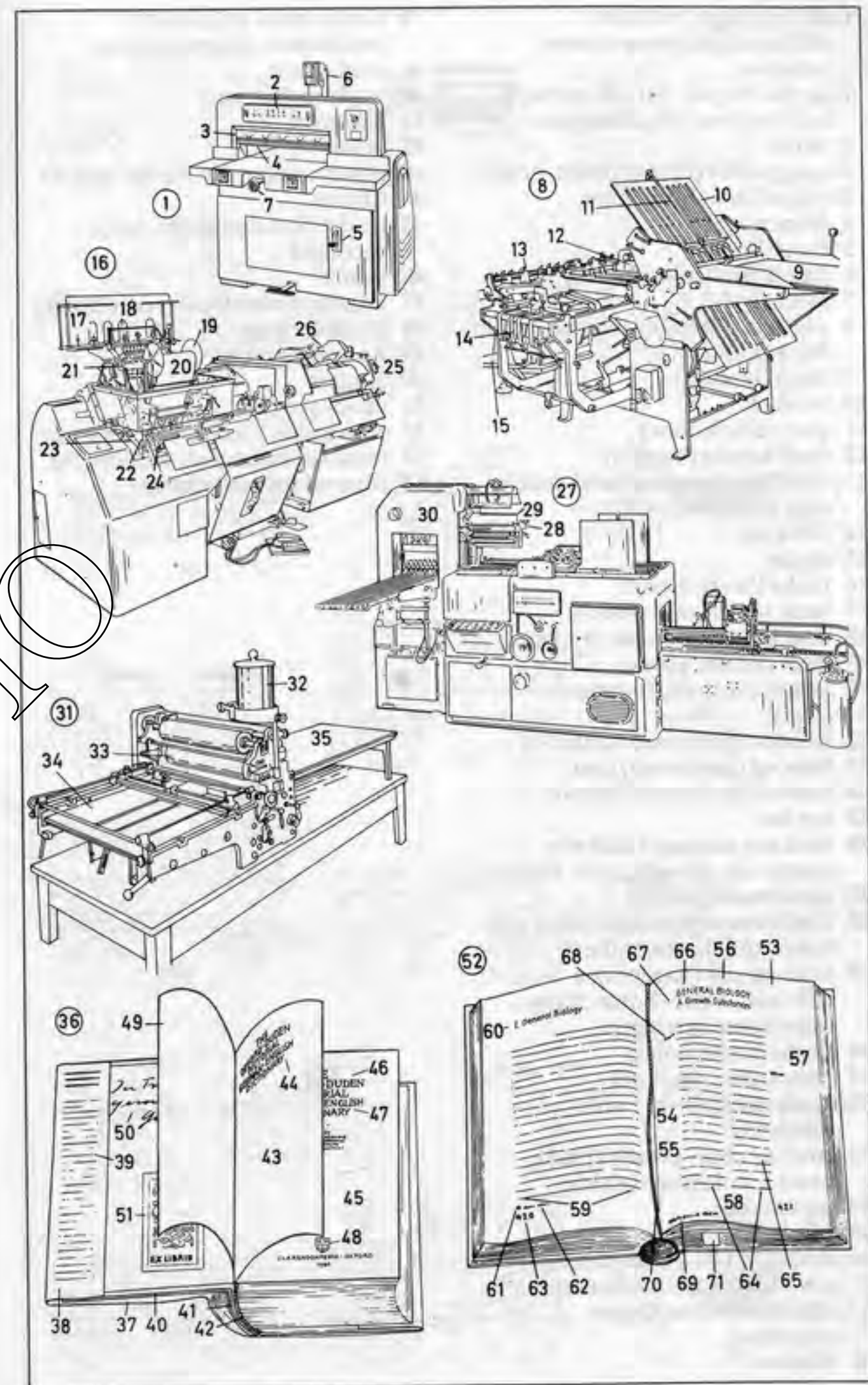
1-23 bookbinding machines

- 1 adhesive binder (perfect binder) for short runs
- 2 manual feed station
- 3 cutoff knife and roughing station
- 4 gluing mechanism
- 5 delivery (book delivery)
- 6 case maker (case-making machine)
- 7 board feed hopper
- 8 pickup sucker
- 9 glue tank
- 10 cover cylinder
- 11 picker head
- 12 feed table for covering materials [linen, paper, leather]
- 13 pressing mechanism
- 14 delivery table
- 15 gang stitcher (gathering and wire-stitching machine, gatherer and wire stitcher)
- 16 sheet feeder (sheet-feeding station)
- 17 folder-feeding station
- 18 stitching wire feed mechanism
- 19 delivery table
- 20 rotary board cutter (rotary board-cutting machine)
- 21 feed table with cut-out section
- 22 rotary cutter
- 23 feed guide

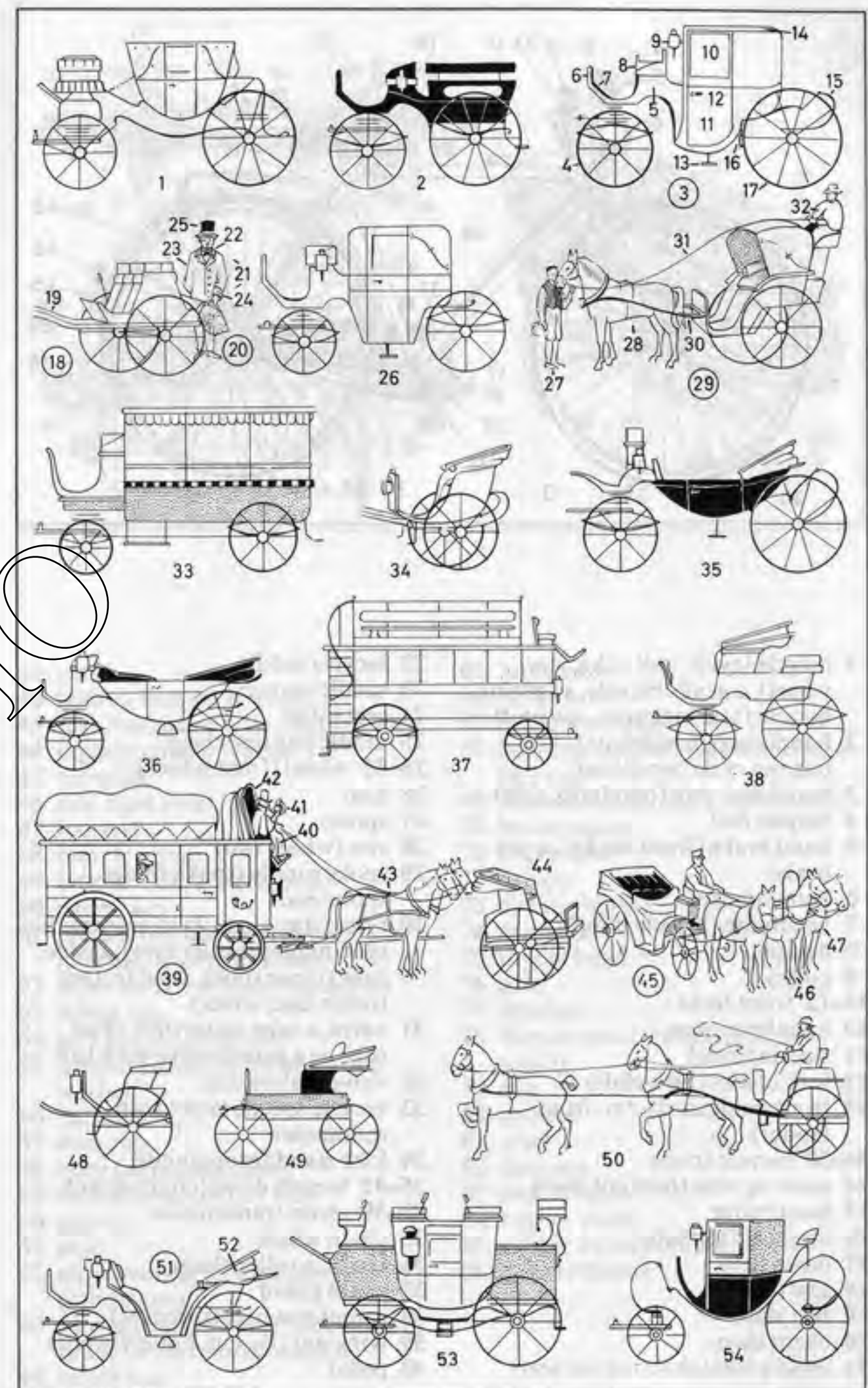
1-35 bookbinding machines

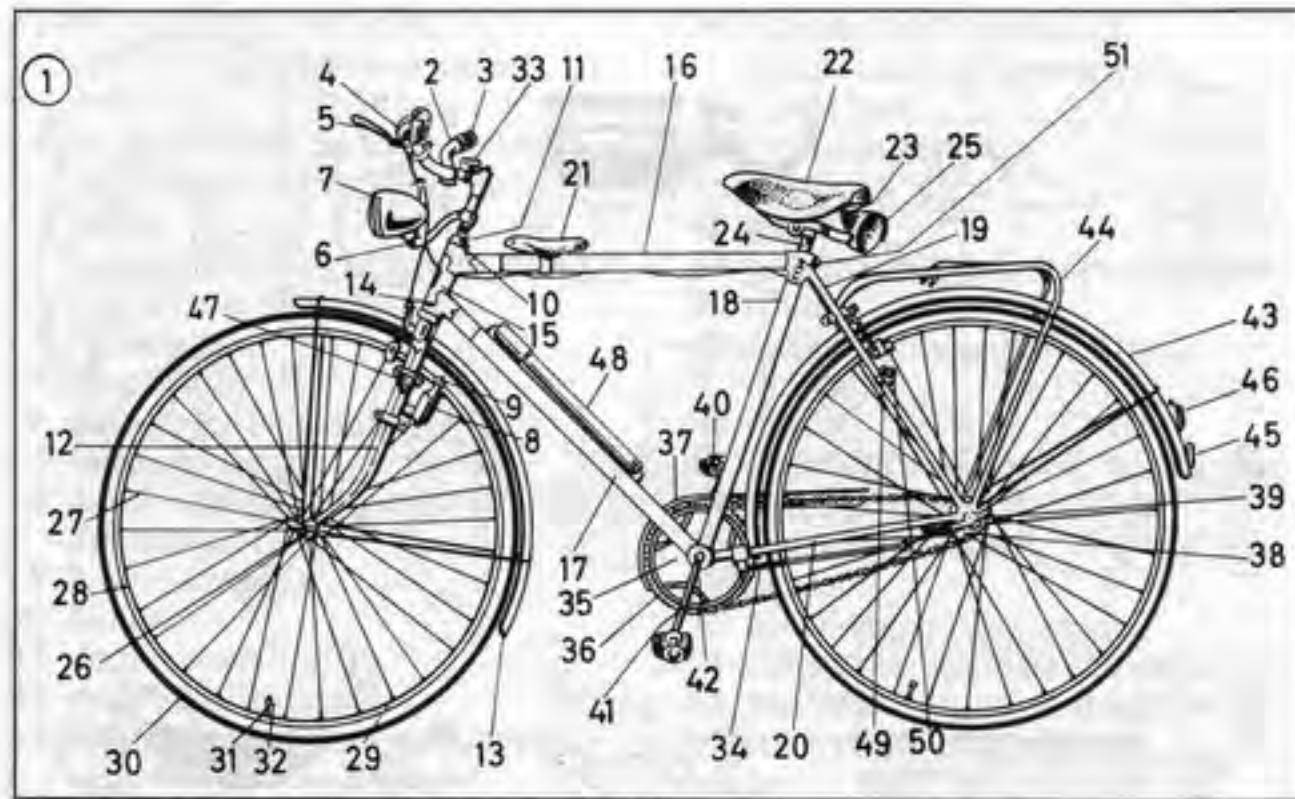
- 1 guillotine (guillotine cutter, automatic guillotine cutter)
- 2 control panel
- 3 clamp
- 4 back gauge (*Am. gage*)
- 5 calibrated pressure adjustment [to clamp]
- 6 illuminated cutting scale
- 7 single-hand control for the back gauge (*Am. gage*)
- 8 combined buckle and knife folding machine (combined buckle and knife folder)
- 9 feed table (feed board)
- 10 fold plates
- 11 stop for making the buckle fold
- 12 cross fold knives
- 13 belt delivery for parallel-folded signatures
- 14 third cross fold unit
- 15 delivery tray for cross-folded signatures
- 16 sewing machine (book-sewing machine)
- 17 spool holder
- 18 thread cop (thread spool)
- 19 gauze roll holder (mull roll holder, scrim roll holder)
- 20 gauze (mull, scrim)
- 21 needle cylinder with sewing needles
- 22 sewn book
- 23 delivery
- 24 reciprocating saddle
- 25 sheet feeder (feeder)
- 26 feed hopper
- 27 casing-in machine
- 28 joint and side pasting attachment
- 29 blade
- 30 preheater unit
- 31 gluing machine for whole-surface, stencil, edge, and strip gluing
- 32 glue tank
- 33 glue roller
- 34 feed table
- 35 delivery
- 36 **book**
- 37 dust jacket (dust cover, bookjacket, wrapper), a publisher's wrapper

- 38 jacket flap
- 39 blurb
- 40-42 **binding**
- 40 cover (book cover, case)
- 41 spine (backbone, back)
- 42 tailband (footband)
- 43-47 preliminary matter (prelims, front matter)
- 43 half-title
- 44 half-title (bastard title, fly title)
- 45 title page
- 46 full title (main title)
- 47 subtitle
- 48 publisher's imprint (imprint)
- 49 fly leaf (endpaper, endleaf)
- 50 handwritten dedication
- 51 bookplate (ex libris)
- 52 open book
- 53 page
- 54 fold
- 55-58 **margin**
- 55 back margin (inside margin, gutter)
- 56 head margin (upper margin)
- 57 fore edge margin (outside margin, fore edge)
- 58 tail margin (foot margin, tail, foot)
- 59 type area
- 60 chapter heading
- 61 asterisk
- 62 footnote
- 63 page number
- 64 double-column page
- 65 column
- 66 running title (running head)
- 67 caption
- 68 marginal note (side note)
- 69 signature (signature code)
- 70 attached bookmark (attached bookmarker)
- 71 loose bookmark (loose bookmarker)



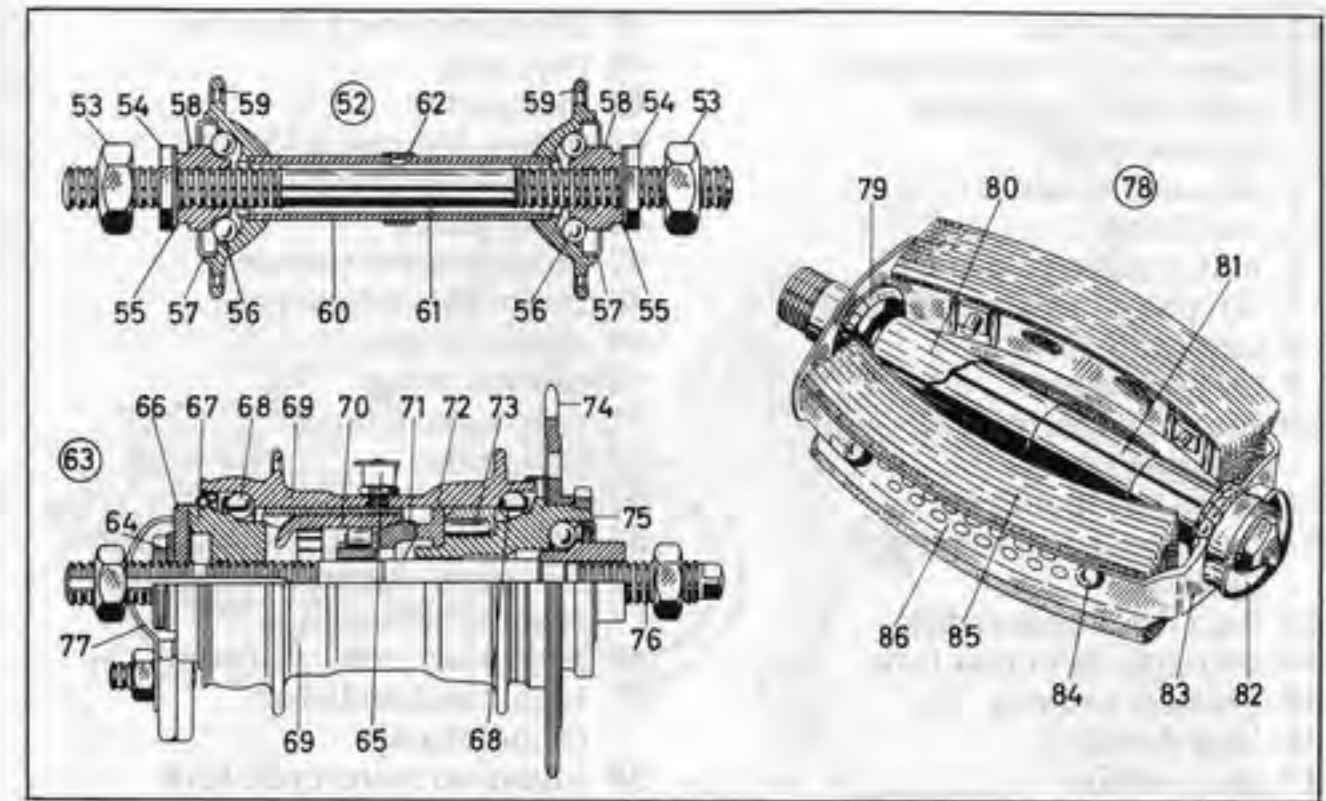
- 1-54 carriages (vehicles, conveyances, horse-drawn vehicles)
- 1-3, 26-39, 45, 51-54 carriages and coaches (coach wagons)
- 1 berlin
- 2 waggonette (*larger*: brake, break)
- 3 coupé; *sim.*: brougham
- 4 front wheel
- 5 coach body
- 6 dashboard (splashboard)
- 7 footboard
- 8 coach box (box, coachman's seat, driver's seat)
- 9 lamp (lantern)
- 10 window
- 11 door (coach door)
- 12 door handle (handle)
- 13 footboard (carriage step, coach step, step, footpiece)
- 14 fixed top
- 15 spring
- 16 brake (brake block)
- 17 back wheel (rear wheel)
- 18 dogcart, a one-horse carriage
- 19 shafts (thills, poles)
- 20 lackey (lacquey, footman)
- 21 livery
- 22 braided (gallooned) collar
- 23 braided (gallooned) coat
- 24 braided (gallooned) sleeve
- 25 top hat
- 26 hackney carriage (hackney coach, cab, growler, *Am.* hack)
- 27 stableman (groom)
- 28 coach horse (carriage horse, cab horse, thill horse, thiller)
- 29 hansom cab (hansom), a cabriolet, a one-horse chaise (one-horse carriage)
- 30 shafts (thills, poles)
- 31 reins (rein, *Am.* line)
- 32 coachman (driver) with inverness
- 33 covered char-a-banc (brake, break), a pleasure vehicle
- 34 gig (chaise)
- 35 barouche
- 36 landau, a two-horse carriage; *sim.*: landaulet, landalette
- 37 omnibus (horse-drawn omnibus)
- 38 phaeton
- 39 Continental stagecoach (mailcoach, diligence); *also*: road coach
- 40 mailcoach driver
- 41 posthorn
- 42 hood
- 43 post horses (relay horses, relays)
- 44 tilbury
- 45 troika (Russian three-horse carriage)
- 46 leader
- 47 wheeler (wheelhorse, pole horse)
- 48 English buggy
- 49 American buggy
- 50 tandem
- 51 vis-à-vis
- 52 collapsible hood (collapsible top)
- 53 mailcoach (English stagecoach)
- 54 covered (closed) chaise





- 1 bicycle (cycle, *coll.* bike, *Am.* wheel), a gent's bicycle, a touring bicycle (touring cycle, roadster)
- 2 handlebar (handlebars), a touring cycle handlebar
- 3 handlebar grip (handgrip, grip)
- 4 bicycle bell
- 5 hand brake (front brake), a rim brake
- 6 lamp bracket
- 7 headlamp (bicycle lamp)
- 8 dynamo
- 9 pulley
- 10-12 front forks
- 10 handlebar stem
- 11 steering head
- 12 fork blades (fork ends)
- 13 front mudguard (*Am.* front fender)
- 14-20 bicycle frame
- 14 steering tube (fork column)
- 15 head badge
- 16 crossbar (top tube)
- 17 down tube
- 18 seat tube
- 19 seat stays
- 20 chain stays
- 21 child's seat (child carrier seat)

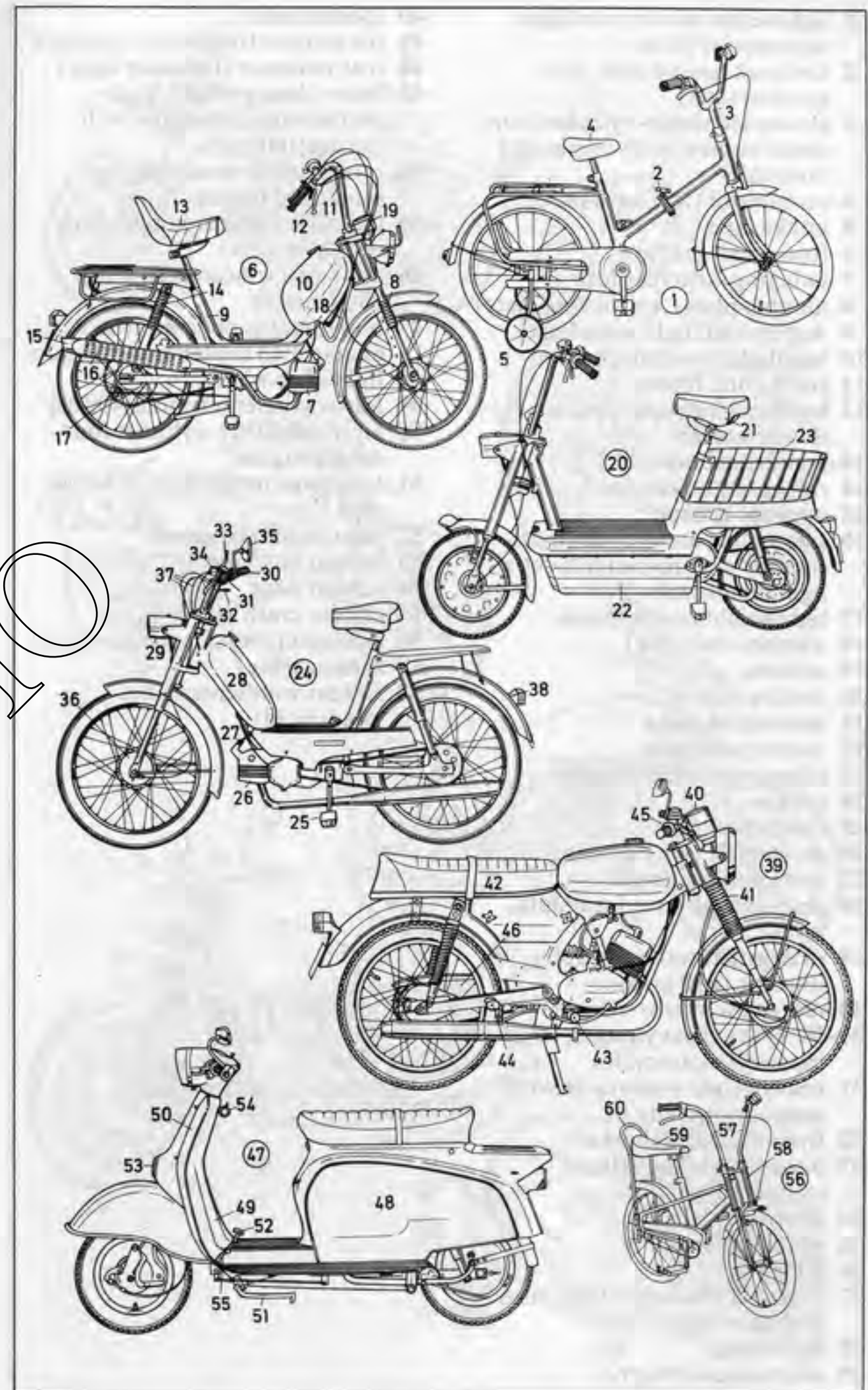
- 22 bicycle saddle
- 23 saddle springs
- 24 seat pillar
- 25 saddle bag (tool bag)
- 26-32 wheel (front wheel)
- 26 hub
- 27 spoke
- 28 rim (wheel rim)
- 29 spoke nipple (spoke flange, spoke end)
- 30 tyres (*Am.* tires) (tyre, pneumatic tyre, high-pressure tyre); *inside*: tube (inner tube), *outside*: tyre (outer case, cover)
- 31 valve, a tube valve with valve tube or a patent valve with ball
- 32 valve sealing cap
- 33 bicycle speedometer with milometer
- 34 kick stand (prop stand)
- 35-42 bicycle drive (chain drive)
- 35-39 chain transmission
- 35 chain wheel
- 36 chain, a roller chain
- 37 chain guard
- 38 sprocket wheel (sprocket)
- 39 wing nut (fly nut, butterfly nut)
- 40 pedal



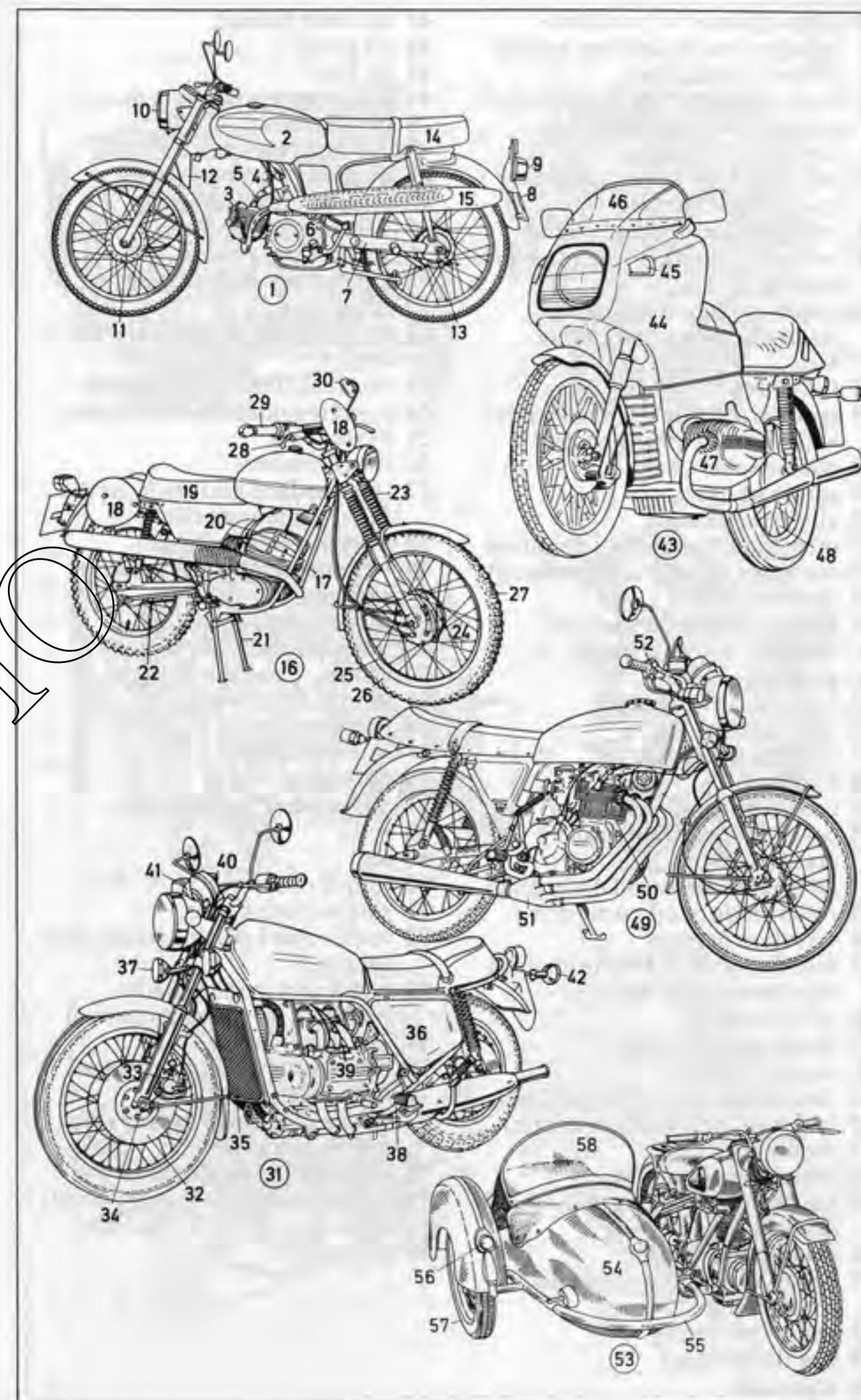
- 41 crank
- 42 bottom bracket bearing
- 43 rear mudguard (*Am.* rear fender)
- 44 luggage carrier (carrier)
- 45 reflector
- 46 rear light (rear lamp)
- 47 footrest
- 48 bicycle pump
- 49 bicycle lock, a wheel lock
- 50 patent key
- 51 cycle serial number (factory number, frame number)
- 52 front hub (front hub assembly)
- 53 wheel nut
- 54 locknut (locking nut)
- 55 washer (slotted cone adjusting washer)
- 56 ball bearing
- 57 dust cap
- 58 cone (adjusting cone)
- 59 centre (*Am.* center) hub
- 60 spindle
- 61 axle
- 62 clip covering lubrication hole (lubricator)
- 63 free-wheel hub with back-pedal brake (with coaster brake)
- 64 safety nut

- 65 lubricator
- 66 brake arm
- 67 brake arm cone
- 68 bearing cup with ball bearings in ball race
- 69 hub shell (hub body, hub barrel)
- 70 brake casing
- 71 brake cone
- 72 driver
- 73 driving barrel
- 74 sprocket
- 75 thread head
- 76 axle
- 77 bracket
- 78 bicycle pedal (pedal, reflector pedal)
- 79 cup
- 80 spindle
- 81 axle
- 82 dust cap
- 83 pedal frame
- 84 rubber stud
- 85 rubber block (rubber tread)
- 86 glass reflector

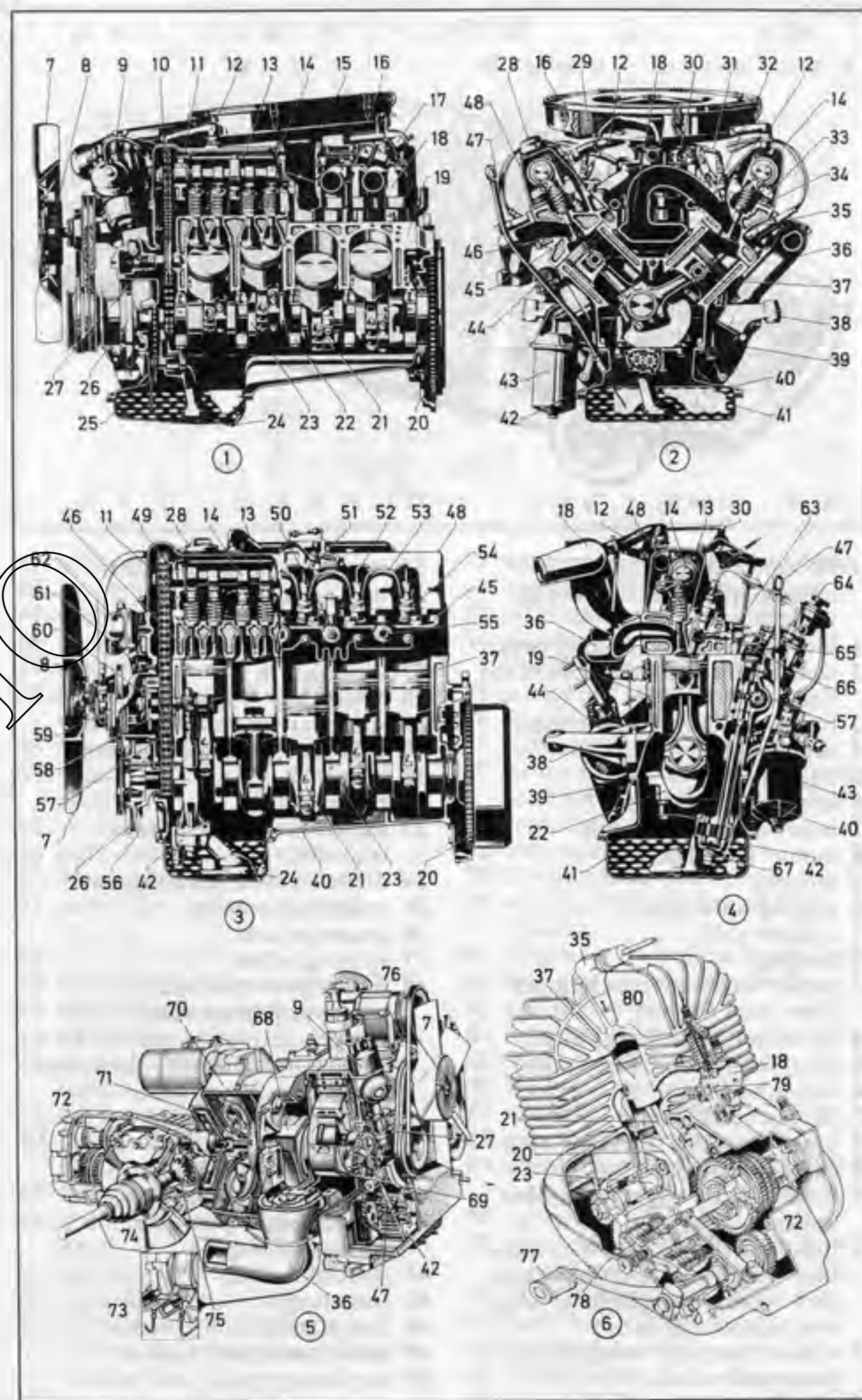
- | | |
|---|---|
| 1 folding bicycle | 41 telescopic shock absorber |
| 2 hinge (<i>also</i> : locking lever) | 42 twin seat |
| 3 adjustable handlebar
(handlebars) | 43 kickstarter |
| 4 adjustable saddle | 44 pillion footrest, a footrest |
| 5 stabilizers | 45 handlebar (handlebars) |
| 6 motor-assisted bicycle | 46 chain guard |
| 7 air-cooled two-stroke engine | 47 motor scooter (scooter) |
| 8 telescopic forks | 48 removable side panel |
| 9 tubular frame | 49 tubular frame |
| 10 fuel tank (petrol tank, <i>Am.</i>
gasoline tank) | 50 metal fairings |
| 11 semi-rise handlebars | 51 prop stand (stand) |
| 12 two-speed gear-change
(gearshift) | 52 foot brake |
| 13 high-back polo saddle | 53 horn (hooter) |
| 14 swinging-arm rear fork | 54 hook for handbag or briefcase |
| 15 upswept exhaust | 55 foot gear-change control (foot
gearshift control) |
| 16 heat shield | 56 high-riser; <i>sim.</i> : Chopper |
| 17 drive chain | 57 high-rise handlebar
(handlebars) |
| 18 crash bar (roll bar) | 58 imitation motorcycle fork |
| 19 speedometer (<i>coll. speedo</i>) | 59 banana saddle |
| 20 battery-powered moped, an
electrically-powered vehicle | 60 chrome bracket |
| 21 swivel saddle | |
| 22 battery compartment | |
| 23 wire basket | |
| 24 touring moped (moped) | |
| 25 pedal crank (pedal drive, starter
pedal) | |
| 26 single-cylinder two-stroke
engine | |
| 27 spark-plug cap | |
| 28 fuel tank (petrol tank, <i>Am.</i>
gasoline tank) | |
| 29 moped headlamp (front lamp) | |
| 30-35 handlebar fittings | |
| 30 twist grip throttle control
(throttle twist grip) | |
| 31 twist grip (gear-change,
gearshift) | |
| 32 clutch lever | |
| 33 hand brake lever | |
| 34 speedometer (<i>coll. speedo</i>) | |
| 35 rear-view mirror (mirror) | |
| 36 front wheel drum brake (drum
brake) | |
| 37 Bowden cables (brake cables) | |
| 38 stop and tail light unit | |
| 39 light motorcycle with kickstarter | |
| 40 housing for instruments with
speedometer and electronic rev
counter (revolution counter) | |

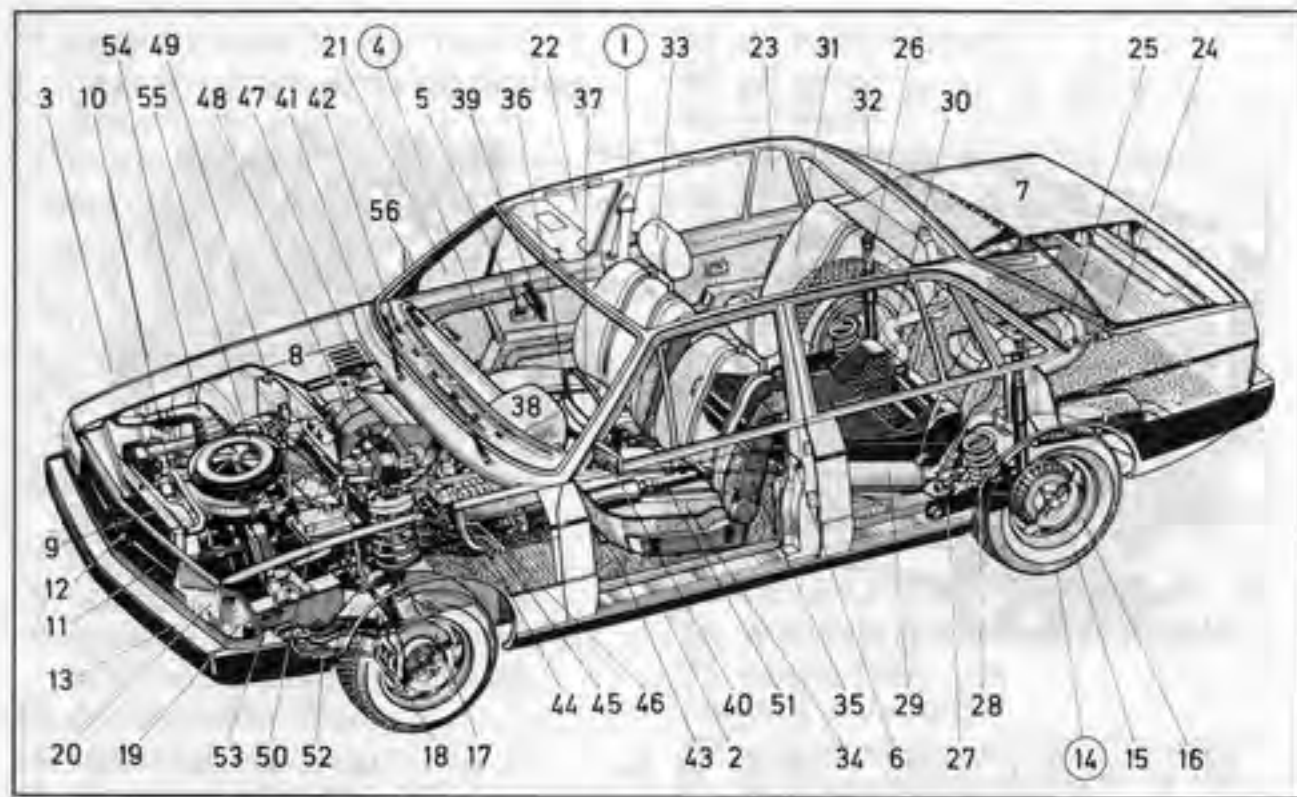


- 1 lightweight motorcycle (light motorcycle) [50 cc]
- 2 fuel tank (petrol tank, *Am.* gasoline tank)
- 3 air-cooled single-cylinder four-stroke engine (with overhead camshaft)
- 4 carburettor (*Am.* carburetor)
- 5 intake pipe
- 6 five-speed gearbox
- 7 swinging-arm rear fork
- 8 number plate (*Am.* license plate)
- 9 stop and tail light (rear light)
- 10 headlight (headlamp)
- 11 front drum brake
- 12 brake cable (brake line), a Bowden cable
- 13 rear drum brake
- 14 racing-style twin seat
- 15 upswept exhaust
- 16 scrambling motorcycle (cross-country motorcycle) [125 cc], a light motorcycle
- 17 lightweight cradle frame
- 18 number disc (disk)
- 19 solo seat
- 20 cooling ribs
- 21 motorcycle stand
- 22 motorcycle chain
- 23 telescopic shock absorber
- 24 spokes
- 25 rim (wheel rim)
- 26 motorcycle tyre (*Am.* tire)
- 27 tyre (*Am.* tire) tread
- 28 gear-change lever (gearshift lever)
- 29 twist grip throttle control (throttle twist grip)
- 30 rear-view mirror (mirror)
- 31-58 heavy (heavyweight, large-capacity) motorcycles
- 31 heavyweight motorcycle with water-cooled engine
- 32 front disc (disk) brake
- 33 disc (disk) brake calliper (caliper)
- 34 floating axle
- 35 water cooler
- 36 oil tank
- 37 indicator (indicator light, turn indicator light)
- 38 kickstarter
- 39 water-cooled engine
- 40 speedometer
- 41 rev counter (revolution counter)
- 42 rear indicator (indicator light)
- 43 heavy (heavyweight, high-performance) machine with fairing [1000 cc]
- 44 integrated streamlining, an integrated fairing
- 45 indicator (indicator light, turn indicator light)
- 46 anti-mist windscreen (*Am.* windshield)
- 47 horizontally-opposed twin engine with cardan transmission
- 48 light alloy wheel
- 49 four-cylinder machine [400 cc]
- 50 air-cooled four-cylinder four-stroke engine
- 51 four-pipe megaphone exhaust pipe
- 52 electric starter button
- 53 sidecar machine
- 54 sidecar body
- 55 sidecar crash bar
- 56 sidelight (*Am.* sidemarker lamp)
- 57 sidecar wheel
- 58 sidecar windscreen (*Am.* windshield)

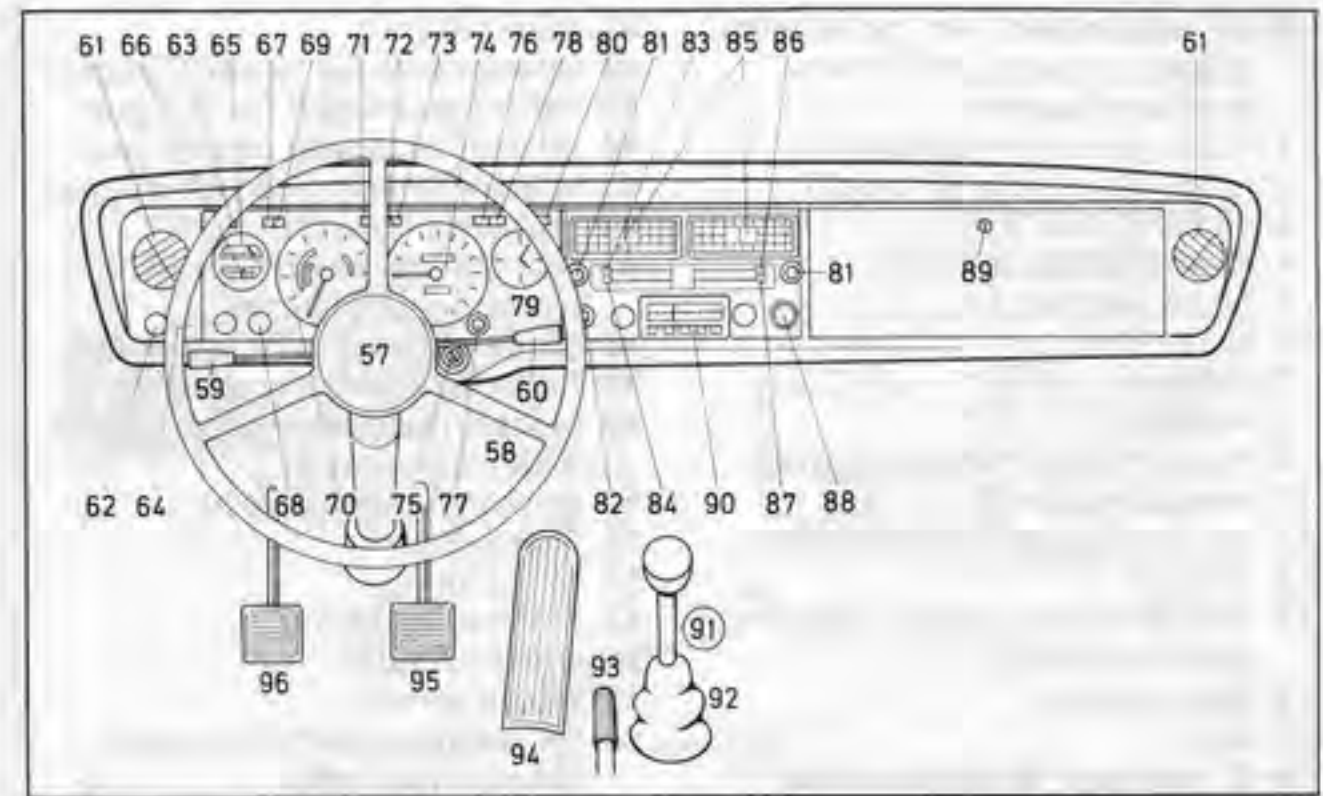


- 1 eight-cylinder V (vee) fuel-injection spark-ignition engine (Otto-cycle engine)
- 2 cross-section of spark-ignition engine (Otto-cycle internal combustion engine)
- 3 sectional view of five-cylinder in-line diesel engine
- 4 cross-section of diesel engine
- 5 two-rotor Wankel engine (rotary engine)
- 6 single-cylinder two-stroke internal combustion engine
- 7 fan
- 8 fan clutch for viscous drive
- 9 ignition distributor (distributor) with vacuum timing control
- 10 double roller chain
- 11 camshaft bearing
- 12 air-bleed duct
- 13 oil pipe for camshaft lubrication
- 14 camshaft, an overhead camshaft
- 15 venturi throat
- 16 intake silencer (absorption silencer, *Am.* absorption muffler)
- 17 fuel pressure regulator
- 18 inlet manifold
- 19 cylinder crankcase
- 20 flywheel
- 21 connecting rod (piston rod)
- 22 cover of crankshaft bearing
- 23 crankshaft
- 24 oil bleeder screw (oil drain plug)
- 25 roller chain of oil pump drive
- 26 vibration damper
- 27 distributor shaft for the ignition distributor (distributor)
- 28 oil filler neck
- 29 diaphragm spring
- 30 control linkage
- 31 fuel supply pipe (*Am.* fuel line)
- 32 fuel injector (injection nozzle)
- 33 rocker arm
- 34 rocker arm mounting
- 35 spark plug (sparking plug) with suppressor
- 36 exhaust manifold
- 37 piston with piston rings and oil scraper ring
- 38 engine mounting
- 39 dog flange (dog)
- 40 crankcase
- 41 oil sump (sump)
- 42 oil pump
- 43 oil filter
- 44 starter motor (starting motor)
- 45 cylinder head
- 46 exhaust valve
- 47 dipstick
- 48 cylinder head gasket
- 49 double bushing chain
- 50 warm-up regulator
- 51 tapered needle for idling adjustment
- 52 fuel pressure pipe (fuel pressure line)
- 53 fuel leak line (drip fuel line)
- 54 injection nozzle (spray nozzle)
- 55 heater plug
- 56 thrust washer
- 57 intermediate gear shaft for the injection pump drive
- 58 injection timer unit
- 59 vacuum pump (low-pressure regulator)
- 60 cam for vacuum pump
- 61 water pump (coolant pump)
- 62 cooling water thermostat
- 63 thermo time switch
- 64 fuel hand pump
- 65 injection pump
- 66 glow plug
- 67 oil pressure limiting valve
- 68 rotor
- 69 seal
- 70 torque converter
- 71 single-plate clutch
- 72 multi-speed gearing (multi-step gearing)
- 73 port liners in the exhaust manifold for emission control
- 74 disc (disk) brake
- 75 differential gear (differential)
- 76 generator
- 77 foot gear-change control (foot gearshift control)
- 78 dry multi-plate clutch
- 79 cross-draught (*Am.* cross-draft) carburettor (*Am.* carburetor)
- 80 cooling ribs



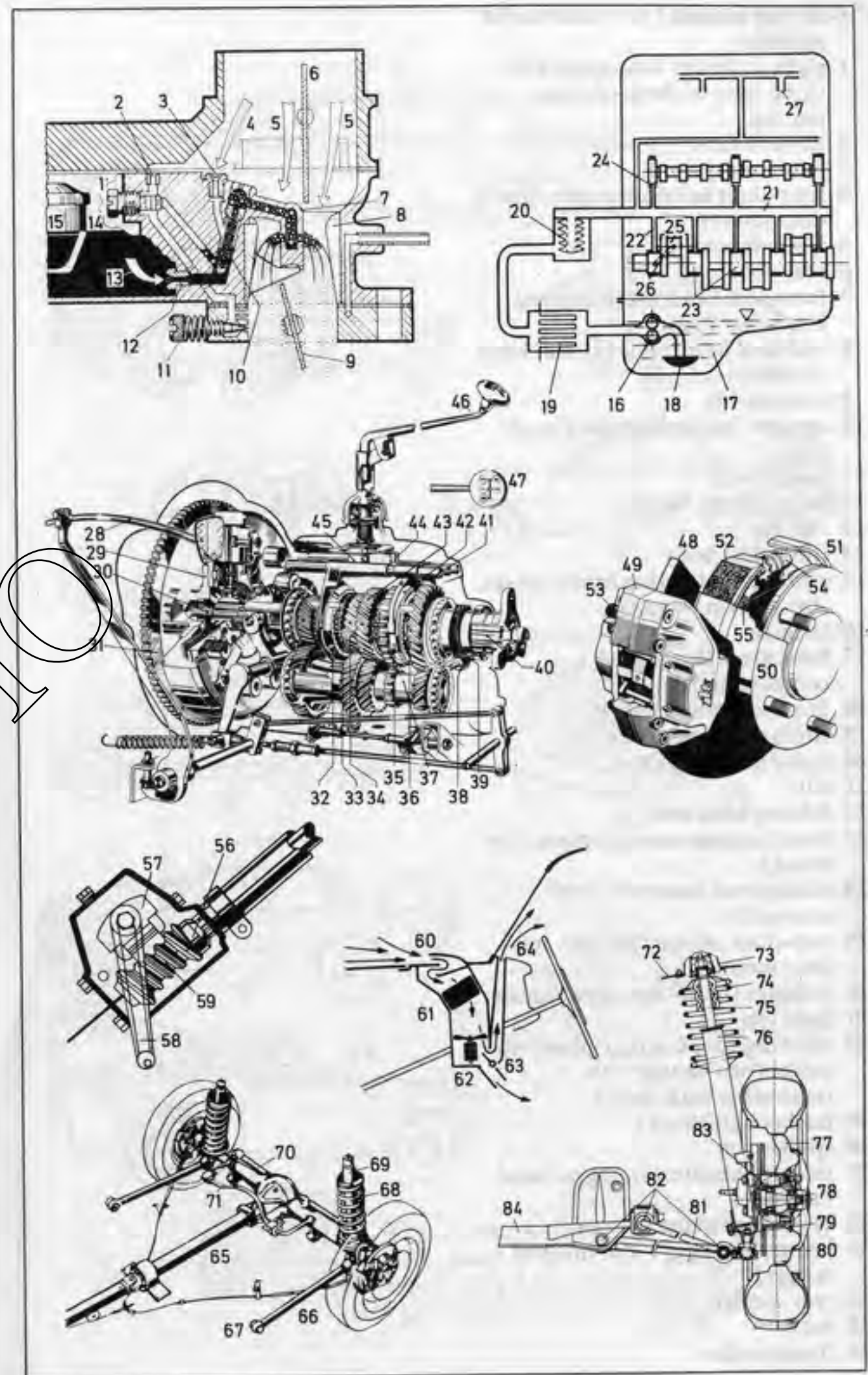


- 1-56 motor car (car, *Am. automobile, auto*), a passenger vehicle
- 1 monocoque body (unitary body)
- 2 chassis, the understructure of the body
- 3 front wing (*Am. front fender*)
- 4 car door
- 5 door handle
- 6 door lock
- 7 boot lid (*Am. trunk lid*)
- 8 bonnet (*Am. hood*)
- 9 radiator
- 10 cooling water pipe
- 11 radiator grill
- 12 badging
- 13 rubber-covered front bumper (*Am. front fender*)
- 14 car wheel, a disc (disk) wheel
- 15 car tyre (*Am. automobile tire*)
- 16 rim (wheel rim)
- 17-18 disc (disk) brake
- 17 brake disc (disk) (braking disc)
- 18 calliper (caliper)
- 19 front indicator light (front turn indicator light)
- 20 headlight (headlamp) with main beam (high beam), dipped beam (low beam), sidelight (side lamp, *Am. sidemarker lamp*)
- 21 windscreen (*Am. windshield*), a panoramic windscreen
- 22 crank-operated car window
- 23 quarter light (quarter vent)
- 24 boot (*Am. trunk*)
- 25 spare wheel
- 26 damper (shock absorber)
- 27 trailing arm
- 28 coil spring
- 29 silencer (*Am. muffler*)
- 30 automatic ventilation system
- 31 rear seats
- 32 rear window
- 33 adjustable headrest (head restraint)
- 34 driver's seat, a reclining seat
- 35 reclining backrest
- 36 passenger seat
- 37 steering wheel
- 38 centre (*Am. center*) console containing speedometer (*coll. speedo*), revolution counter (*rev counter, tachometer*), clock, fuel gauge (*Am. gage*), water temperature gauge, oil temperature gauge
- 39 inside rear-view mirror
- 40 left-hand wing mirror
- 41 windscreen wiper (*Am. windshield wiper*)
- 42 defroster vents
- 43 carpeting
- 44 clutch pedal (*coll. clutch*)
- 45 brake pedal (*coll. brake*)
- 46 accelerator pedal (*coll. accelerator*)

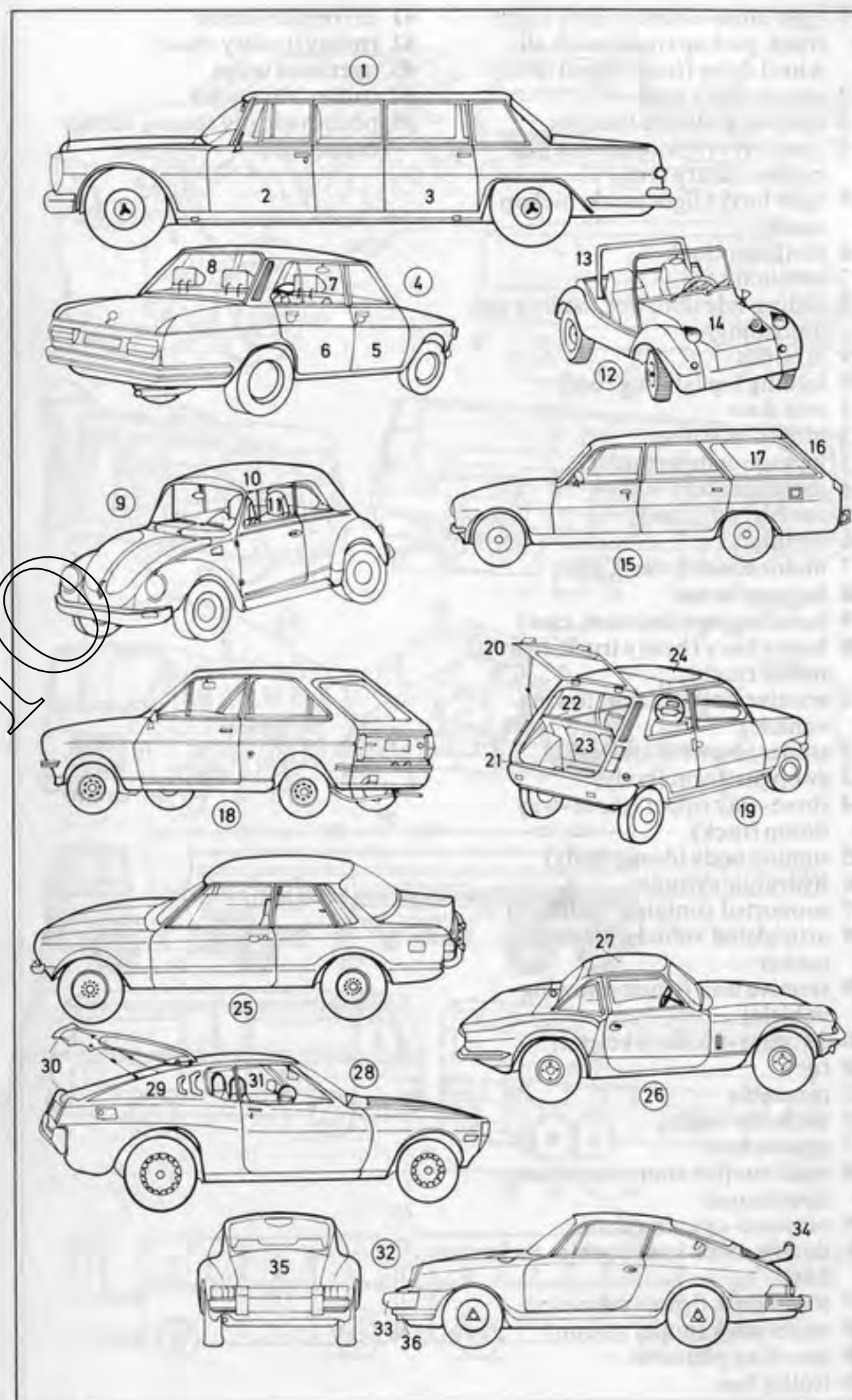


- 47 inlet vent
- 48 blower fan
- 49 brake fluid reservoir
- 50 battery
- 51 exhaust pipe
- 52 front running gear with front wheel drive
- 53 engine mounting
- 54 intake silencer (*Am. intake muffler*)
- 55 air filter (air cleaner)
- 56 right-hand wing mirror
- 57-90 dashboard (fascia panel)
- 57 controlled-collapse steering column
- 58 steering wheel spoke
- 59 indicator and dimming switch
- 60 wiper/washer switch and horn
- 61 side window blower
- 62 sidelight, headlight, and parking light switch
- 63 fog lamp warning light
- 64 fog headlamp and rear lamp switch
- 65 fuel gauge (*Am. gage*)
- 66 water temperature gauge (*Am. gage*)
- 67 warning light for rear fog lamp
- 68 hazard flasher switch
- 69 main beam warning light
- 70 electric rev counter (revolution counter)
- 71 fuel warning light
- 72 warning light for the hand brake and dual-circuit brake system
- 73 oil pressure warning light
- 74 speedometer (*coll. speedo*) with trip mileage recorder
- 75 starter and steering lock
- 76 warning lights for turn indicators and hazard flashers
- 77 switch for the courtesy light and reset button for the trip mileage recorder
- 78 ammeter
- 79 electric clock
- 80 warning light for heated rear window
- 81 switch for the leg space ventilation
- 82 rear window heating switch
- 83 ventilation switch
- 84 temperature regulator
- 85 fresh-air inlet and control
- 86 fresh-air regulator
- 87 warm-air regulator
- 88 cigar lighter
- 89 glove compartment (glove box) lock
- 90 car radio
- 91 gear lever (gearshift lever, floor-type gear-change)
- 92 leather gaiter
- 93 hand brake lever
- 94 accelerator pedal
- 95 brake pedal
- 96 clutch pedal

- 1-15 carburettor (Am. carburetor), a down-draught (Am. down-draft) carburettor
- 1 idling jet (slow-running jet)
- 2 idling air jet (idle air bleed)
- 3 air correction jet
- 4 compensating airstream
- 5 main airstream
- 6 choke flap
- 7 plunger
- 8 venturi
- 9 throttle valve (butterfly valve)
- 10 emulsion tube
- 11 idle mixture adjustment screw
- 12 main jet
- 13 fuel inlet (Am. gasoline inlet) (inlet manifold)
- 14 float chamber
- 15 float
- 16-27 pressure-feed lubricating system
- 16 oil pump
- 17 oil sump
- 18 sump filter
- 19 oil cooler
- 20 oil filter
- 21 main oil gallery (drilled gallery)
- 22 crankshaft drilling (crankshaft tributary, crankshaft bleed)
- 23 crankshaft bearing (main bearing)
- 24 camshaft bearing
- 25 connecting-rod bearing
- 26 gudgeon pin (piston pin)
- 27 bleed
- 28-47 four-speed synchromesh gearbox
- 28 clutch pedal
- 29 crankshaft
- 30 drive shaft (propeller shaft)
- 31 starting gear ring
- 32 sliding sleeve for 3rd and 4th gear
- 33 synchronizing cone
- 34 helical gear wheel for 3rd gear
- 35 sliding sleeve for 1st and 2nd gear
- 36 helical gear wheel for 1st gear
- 37 lay shaft
- 38 speedometer drive
- 39 helical gear wheel for speedometer drive
- 40 main shaft
- 41 gearshift rods
- 42 selector fork for 1st and 2nd gear
- 43 helical gear wheel for 2nd gear
- 44 selector head with reverse gear
- 45 selector fork for 3rd and 4th gear
- 46 gear lever (gearshift lever)
- 47 gear-change pattern (gearshift pattern, shift pattern)
- 48-55 disc (disk) brake [assembly]
- 48 brake disc (disk) (braking disc)
- 49 calliper (caliper), a fixed calliper with friction pads
- 50 servo cylinder (servo unit)
- 51 brake shoes
- 52 brake lining
- 53 outlet to brake line
- 54 wheel cylinder
- 55 return spring
- 56-59 steering gear (worm-and-nut steering gear)
- 56 steering column
- 57 worm gear sector
- 58 steering drop arm
- 59 worm
- 60-64 water-controlled heater
- 60 air intake
- 61 heat exchanger (heater box)
- 62 blower fan
- 63 flap valve
- 64 defroster vent
- 65-71 live axle (rigid axle)
- 65 propeller shaft
- 66 trailing arm
- 67 rubber bush
- 68 coil spring
- 69 damper (shock absorber)
- 70 Panhard rod
- 71 stabilizer bar
- 72-84 MacPherson strut unit
- 72 body-fixing plate
- 73 upper bearing
- 74 suspension spring
- 75 piston rod
- 76 suspension damper
- 77 rim (wheel rim)
- 78 stub axle
- 79 steering arm
- 80 track-rod ball-joint
- 81 trailing link arm
- 82 bump rubber (rubber bonding)
- 83 lower bearing
- 84 lower suspension arm

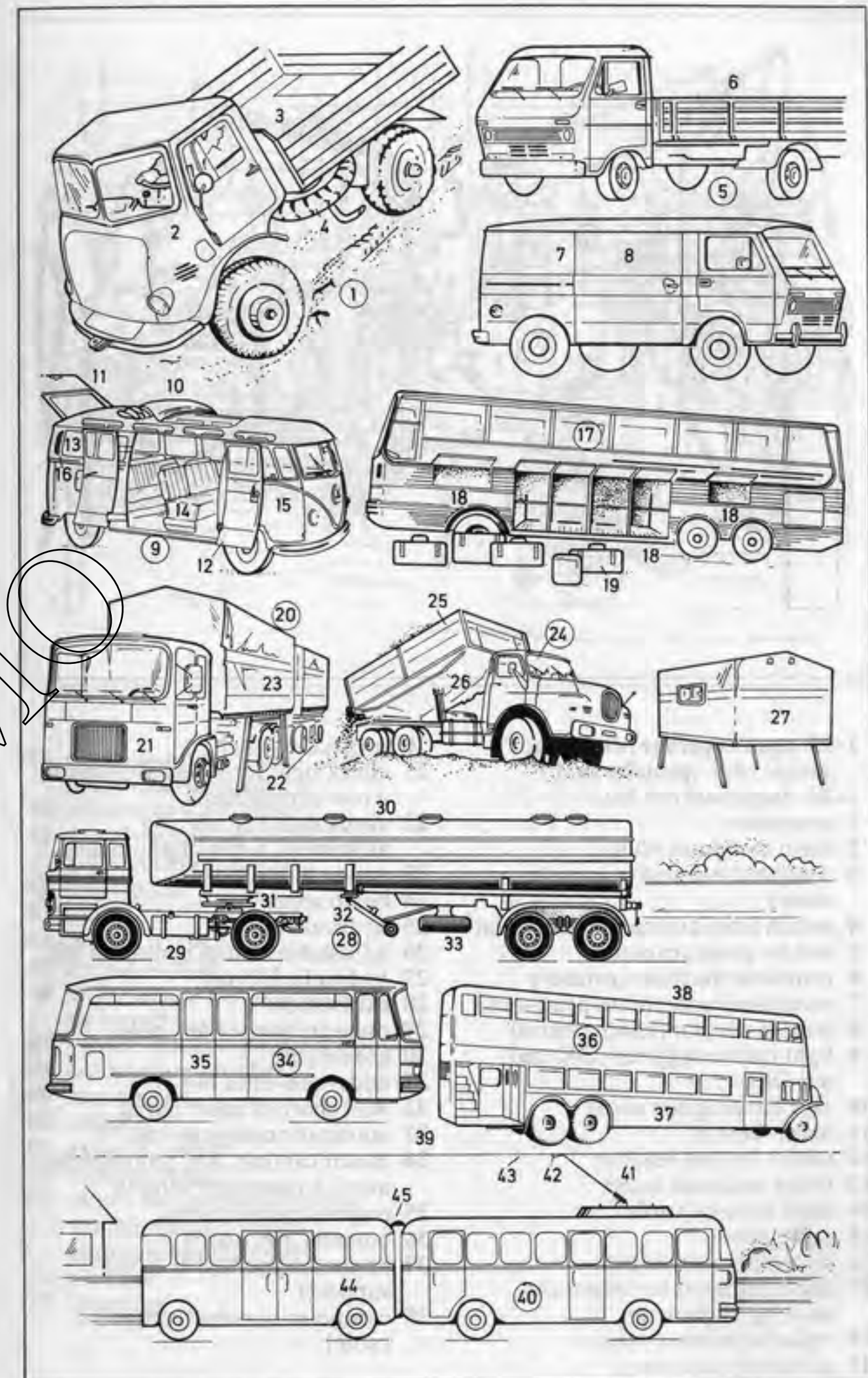


- 1-36 car models (*Am. automobile models*)
- 1 eight-cylinder limousine with three rows of three-abreast seating
 - 2 driver's door
 - 3 rear door
 - 4 four-door saloon car (*Am. four-door sedan*)
 - 5 front door
 - 6 rear door
 - 7 front seat headrest (front seat head restraint)
 - 8 rear seat headrest (rear seat head restraint)
 - 9 convertible
 - 10 convertible (collapsible) hood (top)
 - 11 bucket seat
 - 12 buggy (dune buggy)
 - 13 roll bar
 - 14 fibre glass body
 - 15 estate car (shooting brake, estate, *Am. station wagon*)
 - 16 tailgate
 - 17 boot space (luggage compartment)
 - 18 three-door hatchback
 - 19 small three-door car
 - 20 rear door (tailgate)
 - 21 sill
 - 22 folding back seat
 - 23 boot (luggage compartment, *Am. trunk*)
 - 24 sliding roof (sunroof, steel sunroof)
 - 25 two-door saloon car (*Am. two-door sedan*)
 - 26 roadster (hard-top), a two-seater
 - 27 hard top
 - 28 sporting coupé, a two-plus-two coupé (two-seater with removable back seats)
 - 29 fastback (liftback)
 - 30 spoiler rim
 - 31 integral headrest (integral head restraint)
 - 32 GT car (gran turismo car)
 - 33 integral bumper (*Am. integral fender*)
 - 34 rear spoiler
 - 35 back
 - 36 front spoiler



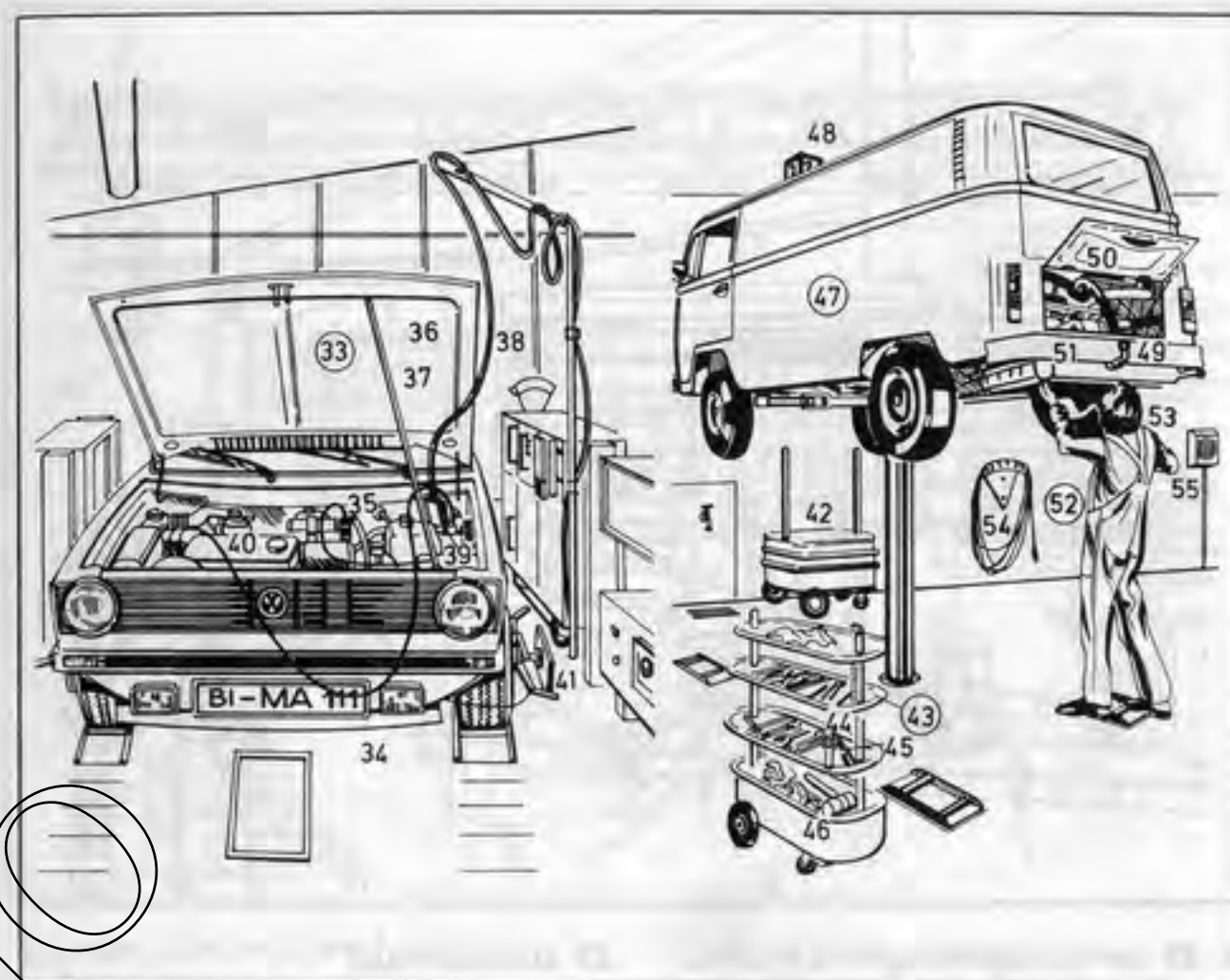
- 1 light cross-country lorry (light truck, pickup truck) with all-wheel drive (four-wheel drive)
- 2 cab (driver's cab)
- 3 loading platform (body)
- 4 spare tyre (Am. spare tire), a cross-country tyre
- 5 light lorry (light truck, pickup truck)
- 6 platform truck
- 7 medium van
- 8 sliding side door [for loading and unloading]
- 9 minibus
- 10 folding top (sliding roof)
- 11 rear door
- 12 hinged side door
- 13 luggage compartment
- 14 passenger seat
- 15 cab (driver's cab)
- 16 air inlet
- 17 motor coach (coach, bus)
- 18 luggage locker
- 19 hand luggage (suitcase, case)
- 20 heavy lorry (heavy truck, heavy motor truck)
- 21 tractive unit (tractor, towing vehicle)
- 22 trailer (drawbar trailer)
- 23 swop platform (body)
- 24 three-way tipper (three-way dump truck)
- 25 tipping body (dump body)
- 26 hydraulic cylinder
- 27 supported container platform
- 28 articulated vehicle, a vehicle tanker
- 29 tractive unit (tractor, towing vehicle)
- 30-33 semi-trailer (skeletal)
- 30 tank
- 31 turntable
- 32 undercarriage
- 33 spare wheel
- 34 midi bus [for short-route town operations]
- 35 outward-opening doors
- 36 double-deck bus (double-decker bus)
- 37 lower deck (lower saloon)
- 38 upper deck (upper saloon)
- 39 boarding platform
- 40 trolley bus

- 41 current collector
- 42 trolley (trolley shoe)
- 43 overhead wires
- 44 trolley bus trailer
- 45 pneumatically sprung rubber connection

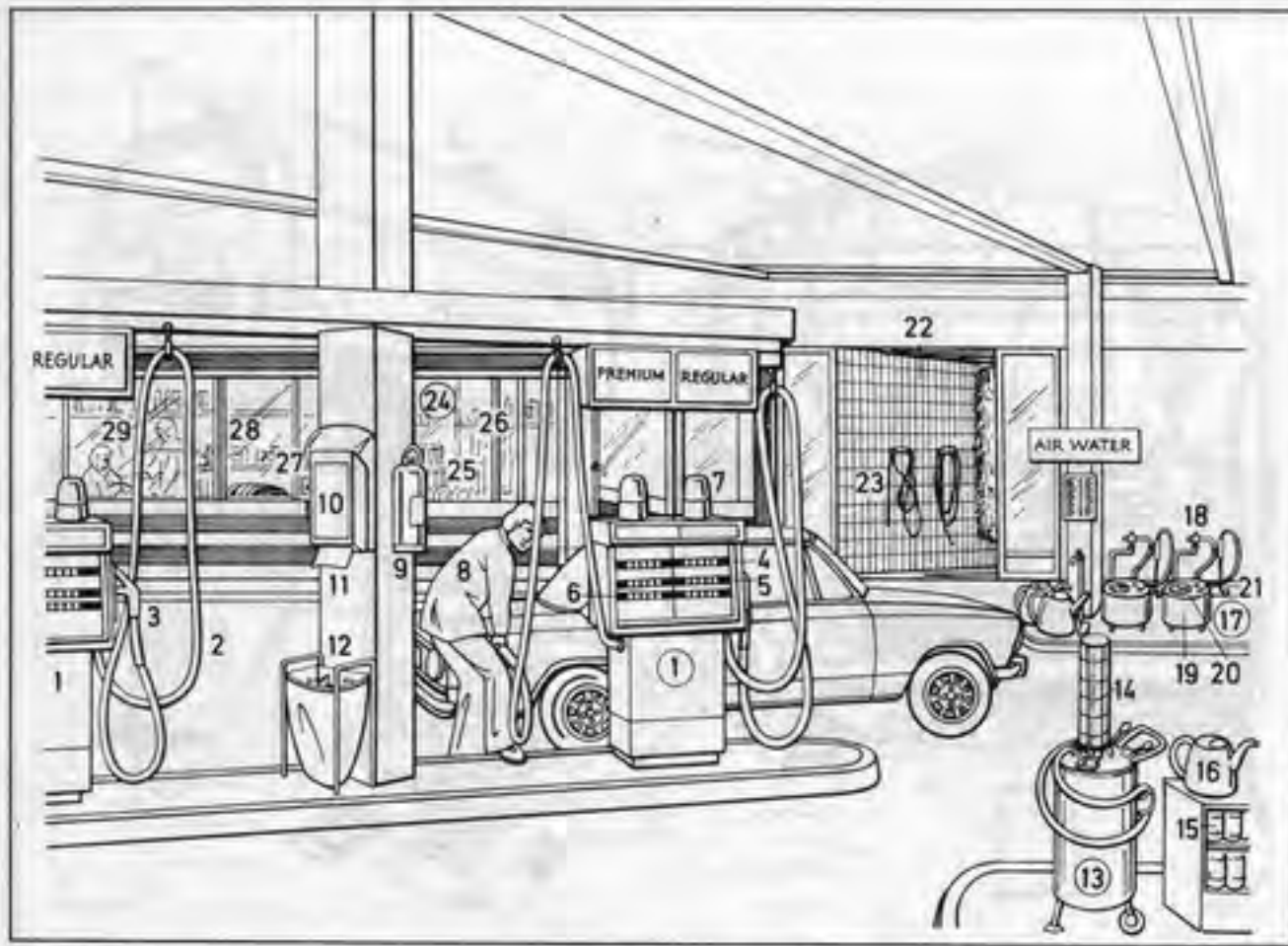




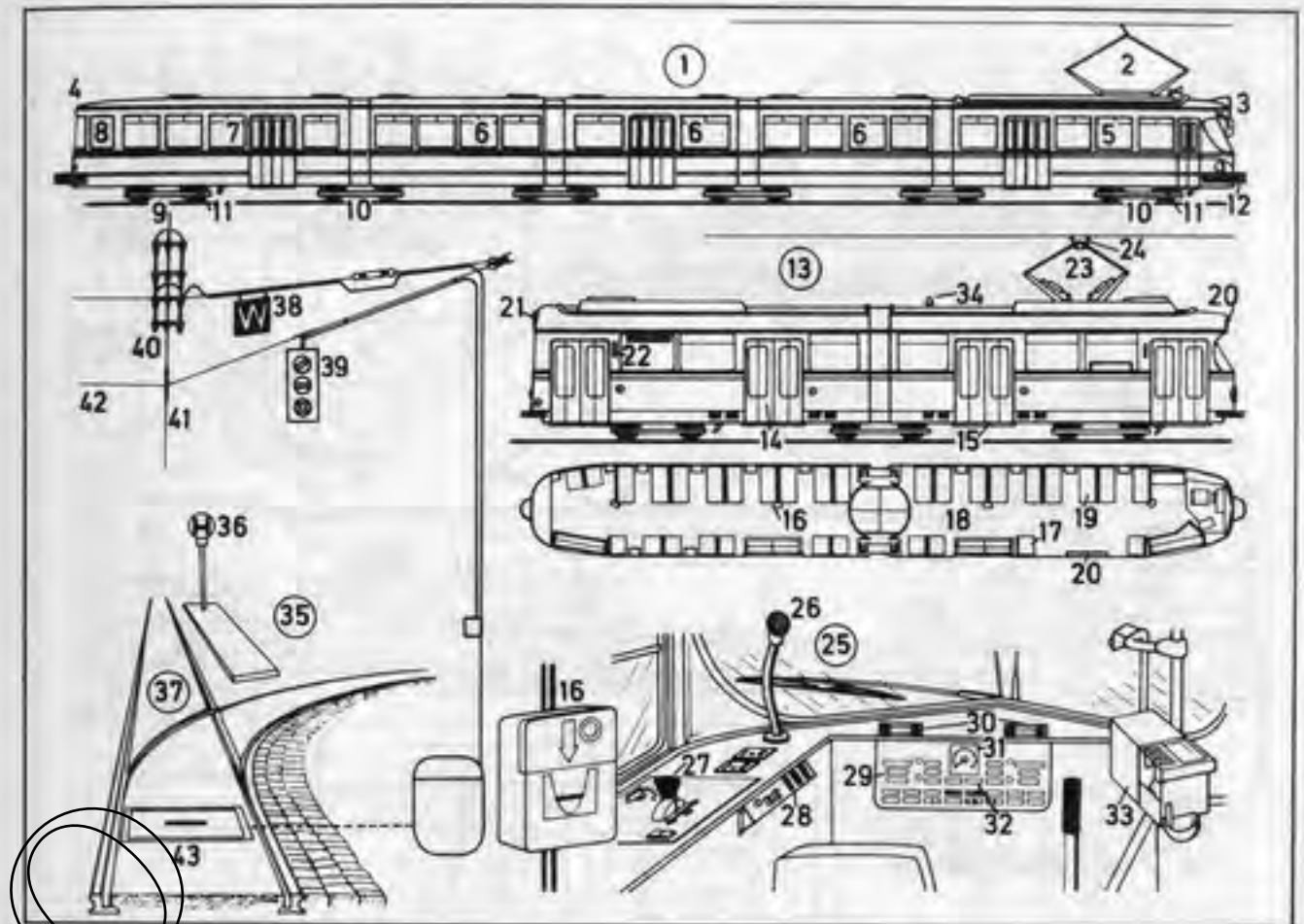
- 1-55 agent's garage (distributor's garage, Am. specialty shop)
- 1-23 diagnostic test bay
- 1 computer
- 2 main computer plug
- 3 computer harness (computer cable)
- 4 switch from automatic to manual
- 5 slot for program cards
- 6 print-out machine (printer)
- 7 condition report (data print-out)
- 8 master selector (hand control)
- 9 light read-out [green: OK; red: not OK]
- 10 rack for program cards
- 11 mains button
- 12 switch for fast readout
- 13 firing sequence insert
- 14 shelf for used cards
- 15 cable boom
- 16 oil temperature sensor
- 17 test equipment for wheel and steering alignment
- 18 right-hand optic plate
- 19 actuating transistors
- 20 projector switch
- 21 check light for wheel alignment, a row of photocells
- 22 check light for steering alignment, a row of photocells
- 23 power screwdriver
- 24 beam setter
- 25 hydraulic lift
- 26 adjustable arm of hydraulic lift
- 27 hydraulic lift pad
- 28 excavation
- 29 pressure gauge (Am. gage)
- 30 grease gun
- 31 odds-and-ends box
- 32 wall chart [of spare parts]
- 33 automatic computer test
- 34 motor car (car, Am. automobile, auto), a passenger vehicle
- 35 engine compartment
- 36 bonnet (Am. hood)
- 37 bonnet support (Am. hood support)
- 38 computer harness (computer cable)



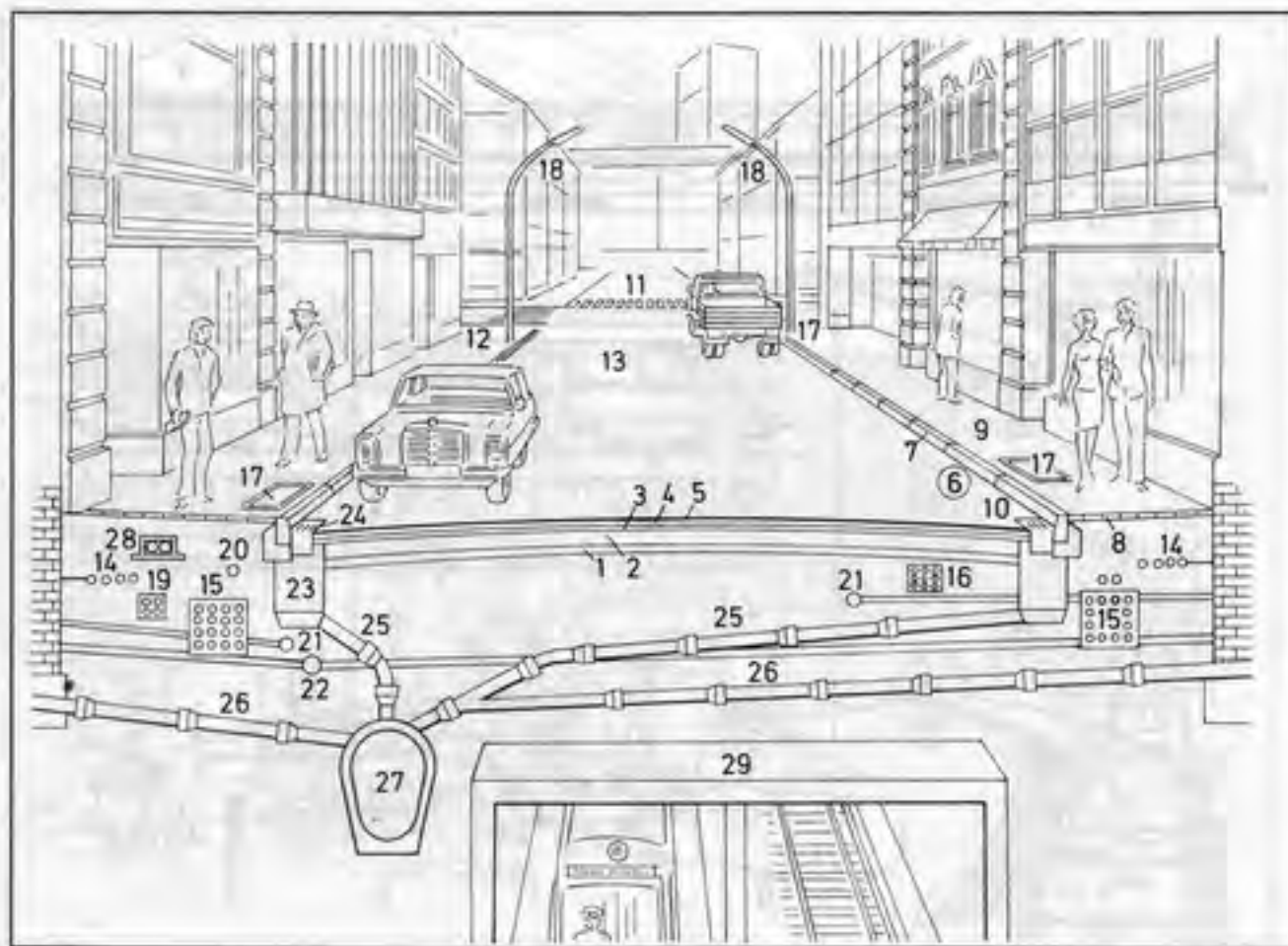
- 39 main computer socket; also: multi-outlet socket
- 40 oil temperature sensor
- 41 wheel mirror for visual wheel and steering alignment
- 42 tool trolley
- 43 tools
- 44 impact wrench
- 45 torque wrench
- 46 body hammer (roughing-out hammer)
- 47 vehicle under repair, a minibus
- 48 car location number
- 49 rear engine
- 50 tailgate
- 51 exhaust system
- 52 exhaust repair
- 53 motor car mechanic (motor vehicle mechanic, Am. automotive mechanic)
- 54 air hose
- 55 intercom



- 1-29 service station (petrol station, filling station, *Am.* gasoline station, gas station), a self-service station
- 1 petrol (*Am.* gasoline) pump (blending pump) for regular and premium grade petrol (*Am.* gasoline) (*sim.*: for derv)
- 2 hose (petrol pump, *Am.* gasoline pump, hose)
- 3 nozzle
- 4 cash readout
- 5 volume read-out
- 6 price display
- 7 indicator light
- 8 driver using self-service petrol pump (*Am.* gasoline pump)
- 9 fire extinguisher
- 10 paper-towel dispenser
- 11 paper towel
- 12 litter receptacle
- 13 two-stroke blending pump
- 14 meter
- 15 engine oil
- 16 oil can
- 17 tyre pressure gauge (*Am.* tire pressure gage)
- 18 air hose
- 19 static air tank
- 20 pressure gauge (*Am.* gage) (manometer)
- 21 air filler neck
- 22 repair bay (repair shop)
- 23 car-wash hose, a hose (hosepipe)
- 24 accessory shop
- 25 petrol can (*Am.* gasoline can)
- 26 rain cape
- 27 car tyres (*Am.* automobile tires)
- 28 car accessories
- 29 cash desk (console)



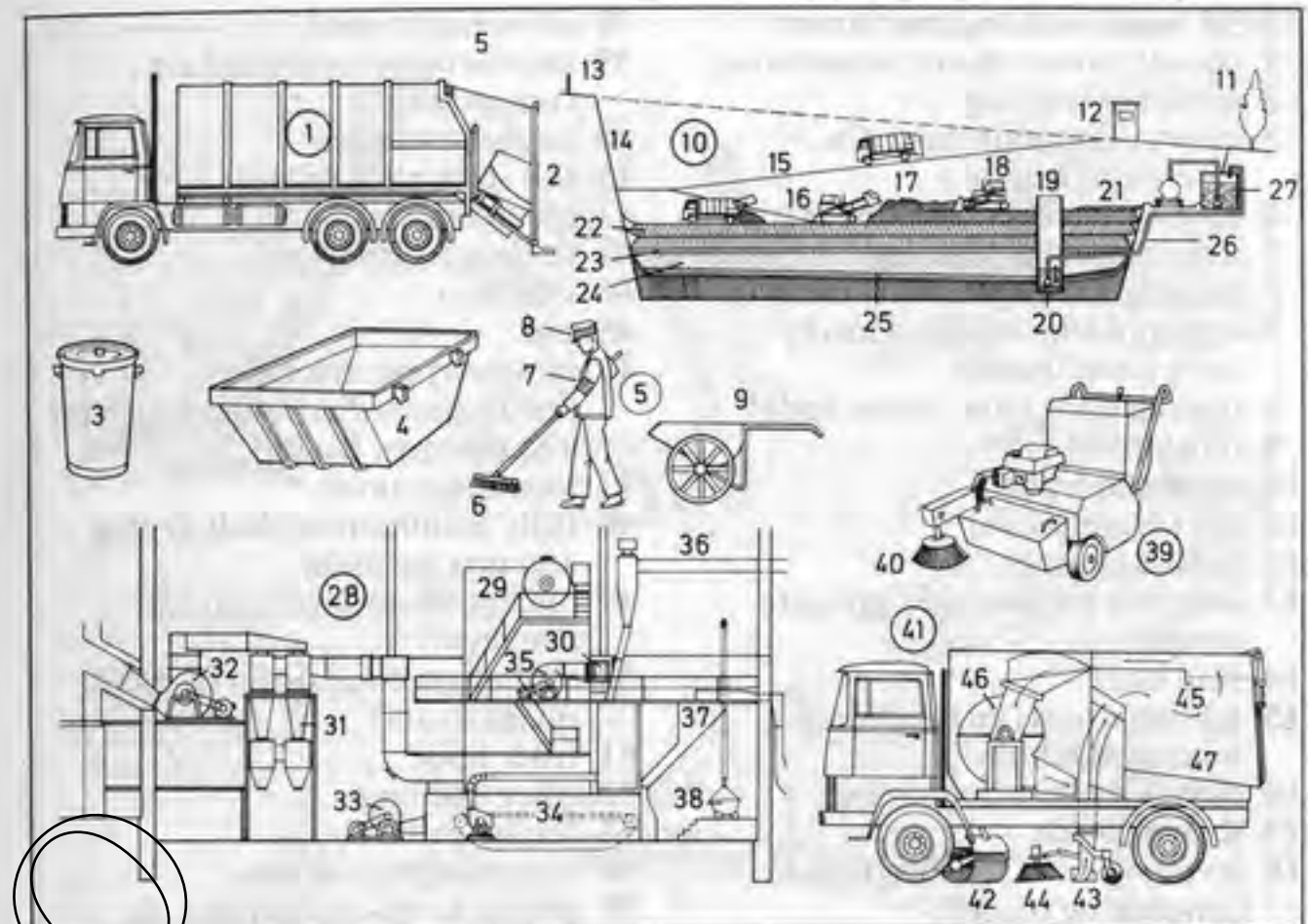
- 1 twelve-axle articulated railcar for interurban rail service
- 2 current collector
- 3 head of the railcar
- 4 rear of the railcar
- 5 carriage A containing the motor
- 6 carriage B (*also*: carriages C and D)
- 7 carriage E containing the motor
- 8 rear controller
- 9 bogie
- 10 carrying bogie
- 11 wheel guard
- 12 bumper (*Am.* fender)
- 13 six-axle articulated railcar ('Mannheim' type) for tram (*Am.* streetcar, trolley) and urban rail services
- 14 entrance and exit door, a double folding door
- 15 step
- 16 ticket-cancelling machine
- 17 single seat
- 18 standing room portion
- 19 double seat
- 20 route (number) and destination sign
- 21 route sign (number sign)
- 22 indicator (indicator light)
- 23 pantograph (current collector)
- 24 carbon or aluminium (*Am.* aluminum) alloy trolley shoes
- 25 driver's position
- 26 microphone
- 27 controller
- 28 radio equipment (radio communication set)
- 29 dashboard
- 30 dashboard lighting
- 31 speedometer
- 32 buttons controlling doors, windscreen wipers, internal and external lighting
- 33 ticket counter with change machine
- 34 radio antenna
- 35 tram stop (*Am.* streetcar stop, trolley stop)
- 36 tram stop sign (*Am.* streetcar stop sign, trolley stop sign)
- 37 electric change points
- 38 points signal (switch signal)
- 39 points change indicator
- 40 trolley wire contact point
- 41 trolley wire (overhead contact wire)
- 42 overhead cross wire
- 43 electric (*also*: electrohydraulic, electromechanical) points mechanism



1-5 road layers

- 1 anti-frost layer
- 2 bituminous sub-base course
- 3 base course
- 4 binder course
- 5 bituminous surface
- 6 kerb (curb)
- 7 kerbstone (curbstone)
- 8 paving (pavement)
- 9 pavement (*Am.* sidewalk, walkway)
- 10 gutter
- 11 pedestrian crossing (zebra crossing, *Am.* crosswalk)
- 12 street corner
- 13 street
- 14 electricity cables
- 15 telephone cables
- 16 telephone cable pipeline
- 17 cable manhole with cover (with manhole cover)
- 18 lamp post with lamp
- 19 electricity cables for technical installations
- 20 subscribers' (*Am.* customers') telephone lines

- 21 gas main
- 22 water main
- 23 drain
- 24 drain cover
- 25 drain pipe
- 26 waste pipe
- 27 combined sewer
- 28 district heating main
- 29 underground tunnel

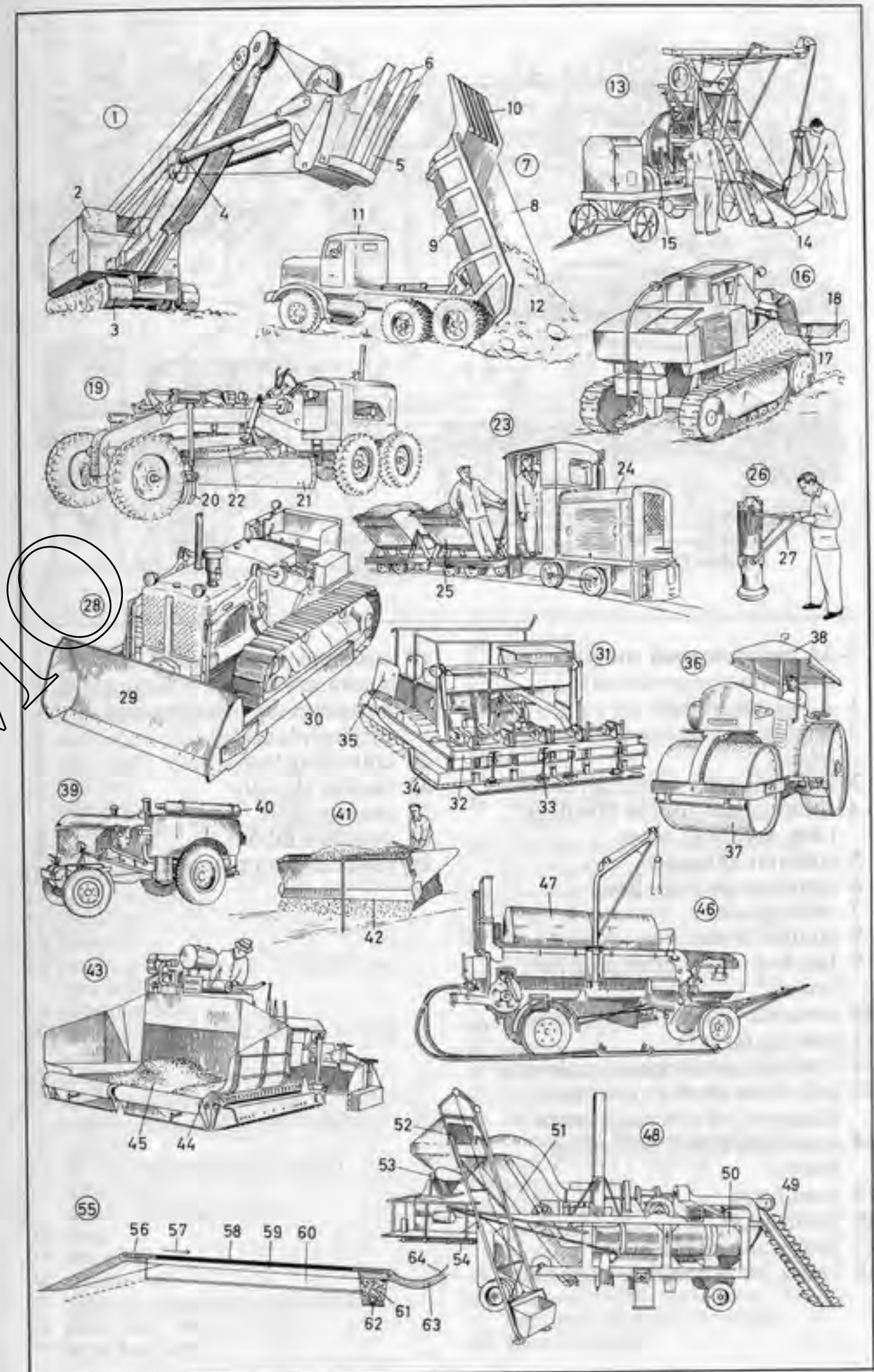


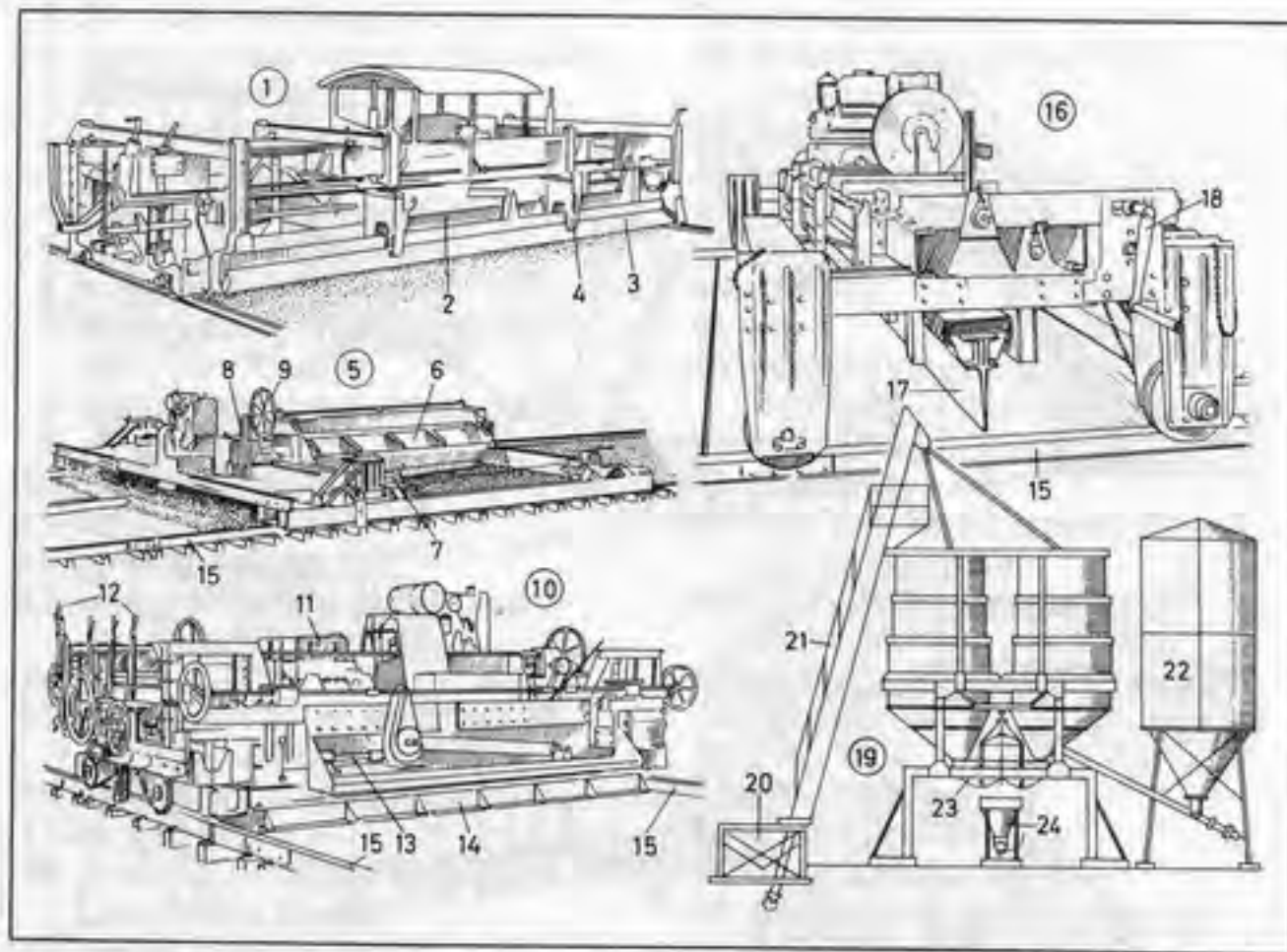
- 1 refuse collection vehicle (*Am.* garbage truck)
- 2 dustbin-tipping device (*Am.* garbage can dumping device), a dust-free emptying system
- 3 dustbin (*Am.* garbage can, trash can)
- 4 refuse container (*Am.* garbage container)
- 5 road sweeper (*Am.* street sweeper)
- 6 broom
- 7 fluorescent armband
- 8 cap with fluorescent band
- 9 road sweeper's (*Am.* street sweeper's) barrow
- 10 controlled tip (*Am.* sanitary landfill, sanitary fill)
- 11 screen
- 12 weigh office
- 13 fence
- 14 embankment
- 15 access ramp
- 16 bulldozer
- 17 refuse (*Am.* garbage)
- 18 bulldozer for dumping and compacting
- 19 pump shaft
- 20 waste water pump
- 21 porous cover
- 22 compacted and decomposed refuse
- 23 gravel filter layer
- 24 morainic filter layer
- 25 drainage layer
- 26 drain pipe
- 27 water tank
- 28 refuse (*Am.* garbage) incineration unit
- 29 furnace
- 30 oil-firing system
- 31 separation plant
- 32 extraction fan
- 33 low-pressure fan for the grate
- 34 continuous feed grate
- 35 fan for the oil-firing system
- 36 conveyor for separately incinerated material
- 37 coal feed conveyor
- 38 truck for carrying fuller's earth
- 39 mechanical sweeper
- 40 circular broom
- 41 road-sweeping lorry (street-cleaning lorry, street cleaner)
- 42 cylinder broom
- 43 suction port
- 44 feeder broom
- 45 air flow
- 46 fan
- 47 dust collector

1-54 road-building machinery

- 1 shovel (power shovel, excavator)
- 2 machine housing
- 3 caterpillar mounting (*Am.* caterpillar tractor)
- 4 digging bucket arm (dipper stick)
- 5 digging bucket (bucket)
- 6 digging bucket (bucket) teeth
- 7 tipper (dump truck), a heavy lorry (*Am.* truck)
- 8 tipping body (*Am.* dump body)
- 9 reinforcing rib
- 10 extended front
- 11 cab (driver's cab)
- 12 bulk material
- 13 concrete scraper, an aggregate scraper
- 14 skip hoist
- 15 mixing drum (mixer drum), a mixing machine
- 16 caterpillar hauling scraper
- 17 scraper blade
- 18 levelling (*Am.* leveling) blade (smoothing blade)
- 19 grader (motor grader)
- 20 scarifier (ripper, road ripper, rooter)
- 21 grader levelling (*Am.* leveling) blade (grader ploughshare, *Am.* plowshare)
- 22 blade-slewing gear (slew turntable)
- 23 light railway (narrow-gauge, *Am.* narrow-gage, railway)
- 24 light railway (narrow-gauge, *Am.* narrow-gage) diesel locomotive
- 25 trailer wagon (wagon truck, skip)
- 26 tamper (rammer); *heavier*: frog
- 27 guide rods
- 28 bulldozer
- 29 bulldozer blade
- 30 pushing frame
- 31 road-metal spreading machine (macadam spreader, stone spreader)
- 32 tamping beam
- 33 sole-plate
- 34 side stop
- 35 side of storage bin
- 36 three-wheeled roller, a road roller
- 37 roller

- 38 all-weather roof
- 39 mobile diesel-powered air compressor
- 40 oxygen cylinder
- 41 self-propelled gritter
- 42 spreading flap
- 43 surface finisher
- 44 side stop
- 45 bin
- 46 tar-spraying machine (bituminous distributor) with tar and bitumen heater
- 47 tar storage tank
- 48 fully automatic asphalt drying and mixing plant
- 49 bucket elevator (elevating conveyor)
- 50 asphalt-mixing drum (asphalt mixer drum)
- 51 filler hoist
- 52 filler opening
- 53 binder injector
- 54 mixed asphalt outlet
- 55 typical cross-section of a bituminous road
- 56 grass verge
- 57 crossfall
- 58 asphalt surface (bituminous layer, bituminous coating)
- 59 base (base course)
- 60 gravel sub-base course (hardcore sub-base course, Telford base), an anti-frost layer
- 61 sub-drainage
- 62 perforated cement pipe
- 63 drainage ditch
- 64 soil covering



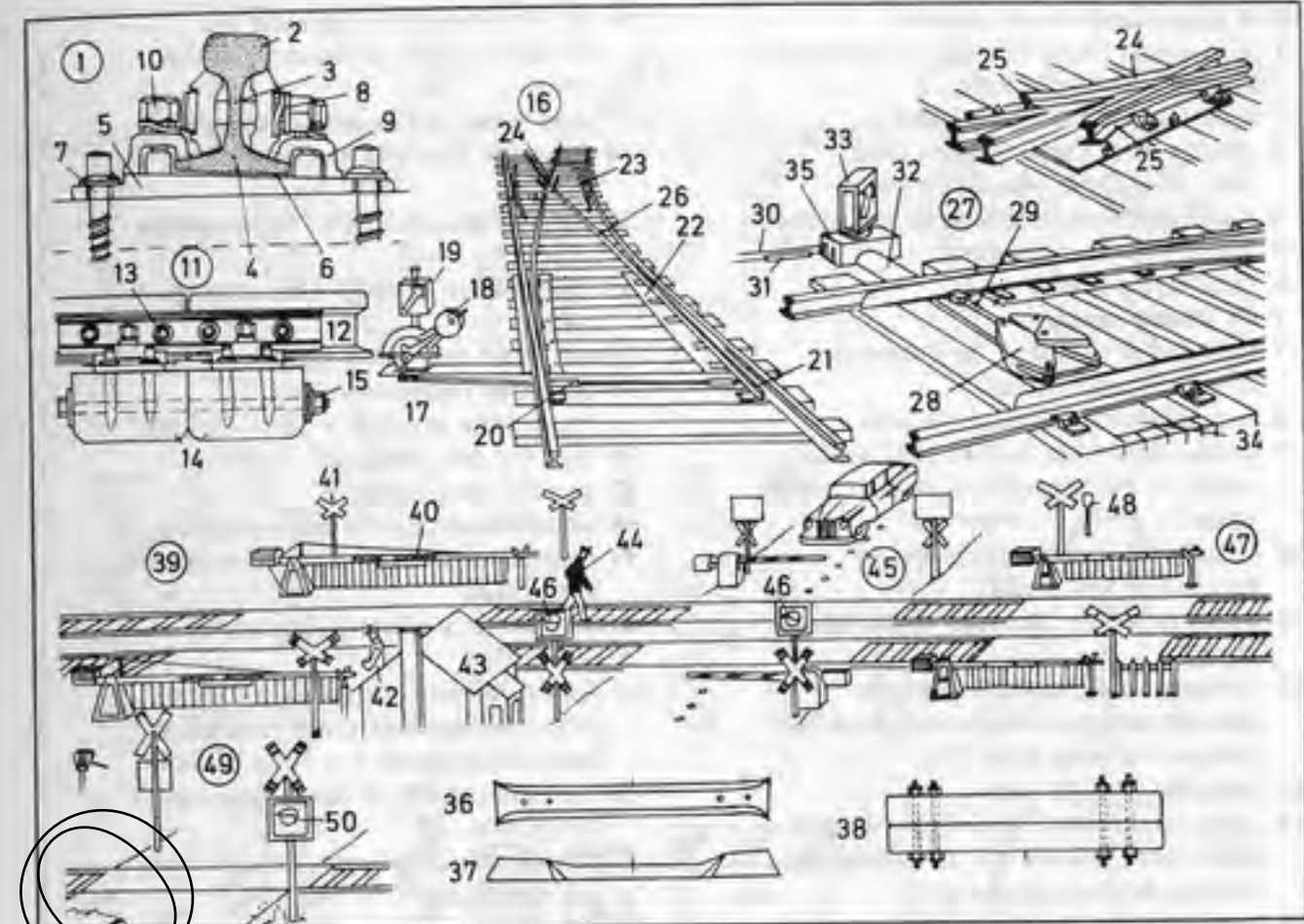


1-24 concrete road construction
(highway construction)

19 concrete-mixing plant, a stationary central mixing plant, an automatic batching and mixing plant

- 1 subgrade grader
- 2 tamping beam (consolidating beam)
- 3 levelling (*Am.* leveling) beam
- 4 roller guides for the levelling (*Am.* leveling) beam
- 5 concrete spreader
- 6 concrete spreader box
- 7 cable guides
- 8 control levers
- 9 handwheel for emptying the boxes
- 10 concrete-vibrating compactor
- 11 gearing (gears)
- 12 control levers (operating levers)
- 13 axle drive shaft to vibrators (tamper) of vibrating beam
- 14 screeding board (screeding beam)
- 15 road form
- 16 joint cutter
- 17 joint-cutting blade
- 18 crank for propelling machine

- 19 concrete-mixing plant, a stationary central mixing plant, an automatic batching and mixing plant
- 20 collecting bin
- 21 bucket elevator
- 22 cement store
- 23 concrete mixer
- 24 concrete pump hopper



- 1-38 line (track)
- 1 rail
- 2 rail head
- 3 web (rail web)
- 4 rail foot (rail bottom)
- 5 sole-plate (base plate)
- 6 cushion
- 7 coach screw (coach bolt)
- 8 lock washers (spring washers)
- 9 rail clip (clip)
- 10 T-head bolt
- 11 rail joint (joint)
- 12 fishplate
- 13 fishbolt
- 14 coupled sleeper (*Am.* coupled tie, coupled crosstie)
- 15 coupling bolt
- 16 manually-operated points (switch)
- 17 switch stand
- 18 weight
- 19 points signal (switch signal, points signal lamp, switch signal lamp)
- 20 pull rod
- 21 switch blade (switch tongue)
- 22 slide chair
- 23 check rail (guard rail)
- 24 frog
- 25 wing rail
- 26 closure rail
- 27 remote-controlled points (switch)
- 28 point lock (switch lock)
- 29 stretcher bar

- 30 point wire
- 31 turnbuckle
- 32 channel
- 33 electrically illuminated points signal (switch signal)
- 34 trough
- 35 points motor with protective casing
- 36 steel sleeper (*Am.* steel tie, steel crosstie)
- 37 concrete sleeper (*Am.* concrete tie, concrete crosstie)
- 38 coupled sleeper (*Am.* coupled tie, coupled crosstie)
- 39-50 level crossings (*Am.* grade crossings)
- 39 protected level crossing (*Am.* protected grade crossing)
- 40 barrier (gate)
- 41 warning cross (*Am.* crossbuck)
- 42 crossing keeper (*Am.* gateman)
- 43 crossing keeper's box (*Am.* gateman's box)
- 44 linesman (*Am.* trackwalker)
- 45 half-barrier crossing
- 46 warning light
- 47 intercom-controlled crossing; *sim.*: telephone-controlled crossing
- 48 intercom system
- 49 unprotected level crossing (*Am.* unprotected grade crossing)
- 50 warning light

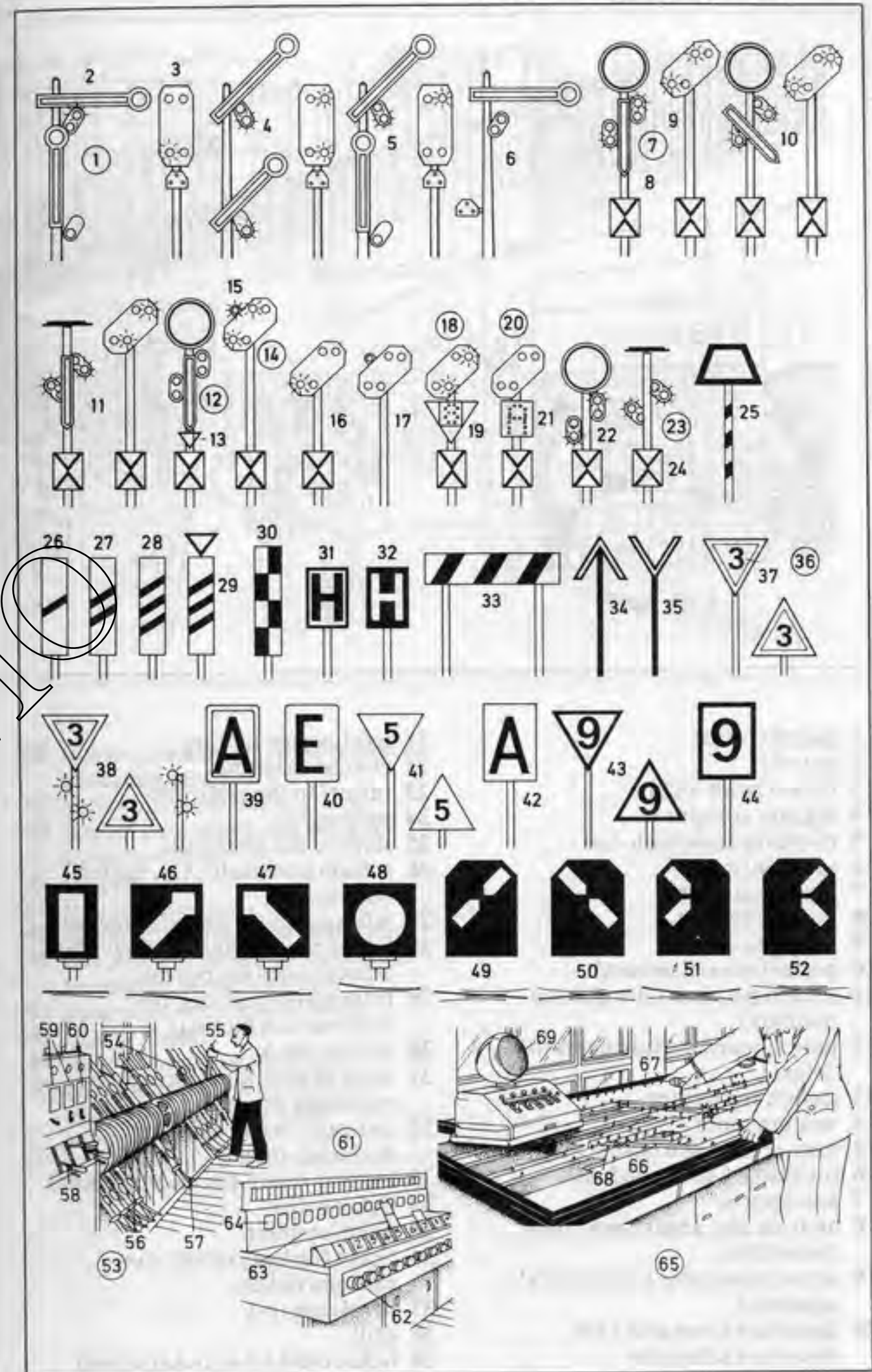
DEMO

203 Railway Line (Am. Railroad Track) II (Signalling Equipment)

- 1-6 stop signals (main signals)
- 1 stop signal (main signal), a semaphore signal in 'stop' position
- 2 signal arm (semaphore arm)
- 3 electric stop signal (colour light, Am. color light, signal) at 'stop'
- 4 signal position: 'proceed at low speed'
- 5 signal position: 'proceed'
- 6 substitute signal
- 7-24 distant signals
- 7 semaphore signal at 'be prepared to stop at next signal'
- 8 supplementary semaphore arm
- 9 colour light (Am. color light) distant signal at 'be prepared to stop at next signal'
- 10 signal position: 'be prepared to proceed at low speed'
- 11 signal position: 'proceed main signal ahead'
- 12 semaphore signal with indicator plate showing a reduction in braking distance of more than 5%
- 13 triangle (triangle sign)
- 14 colour light (Am. color light) distant signal with indicator light for showing reduced braking distance
- 15 supplementary white light
- 16 distant signal indicating 'be prepared to stop at next signal' (yellow light)
- 17 second distant signal (distant signal with supplementary light, without indicator plate)
- 18 distant signal with speed indicator
- 19 distant speed indicator
- 20 distant signal with route indicator
- 21 route indicator
- 22 distant signal without supplementary arm in position: 'be prepared to stop at next signal'
- 23 distant signal without supplementary arm in 'be prepared to proceed' position
- 24 distant signal identification plate
- 25-44 supplementary signals
- 25 stop board for indicating the stopping point at a control point
- 26-29 approach signs
- 26 approach sign 100 m from distant signal
- 27 approach sign 175 m from distant signal
- 28 approach sign 250 m from distant signal
- 29 approach sign at a distance of 5% less than the braking distance on the section
- 30 chequered sign indicating stop signals (main signals) not positioned immediately to the right of or over the line (track)

- 31-32 stop boards to indicate the stopping point of the front of the train
- 33 stop board (be prepared to stop)
- 34-35 snow plough (Am. snowplow) signs
- 34 'raise snow-plough (Am. snowplow)' sign
- 35 'lower snow-plough (Am. snowplow)' sign
- 36-44 speed restriction signs
- 36-38 speed restriction sign [maximum speed $3 \times 10 = 30$ kph]
- 36 sign for day running
- 37 speed code number
- 38 illuminated sign for night running
- 39 commencement of temporary speed restriction
- 40 termination of temporary speed restriction
- 41 speed restriction sign for a section with a permanent speed restriction [maximum speed $5 \times 10 = 50$ kph]
- 42 commencement of permanent speed restriction
- 43 speed restriction warning sign [only on main lines]
- 44 speed restriction sign [only on main lines]
- 45-52 points signals (switch signals)
- 45-48 single points (single switches)
- 45 route straight ahead (main line)
- 46 [right] branch
- 47 [left] branch
- 48 branch [seen from the frog]
- 49-52 double crossover
- 49 route straight ahead from left to right
- 50 route straight ahead from right to left
- 51 turnout to the left from the left
- 52 turnout to the right from the right
- 53 manually-operated signal box (Am. signal tower, switch tower)
- 54 lever mechanism
- 55 points lever (switch lever) [blue], a lock lever
- 56 signal lever [red]
- 57 catch
- 58 route lever
- 59 block instruments
- 60 block section panel
- 61 electrically-operated signal box (Am. signal tower, switch tower)
- 62 points (switch) and signal knobs
- 63 lock indicator panel
- 64 track and signal indicator
- 65 track diagram control layout
- 66 track diagram control panel (domino panel)
- 67 push buttons
- 68 routes
- 69 intercom system

Railway Line (Am. Railroad Track) II 203 (Signalling Equipment)



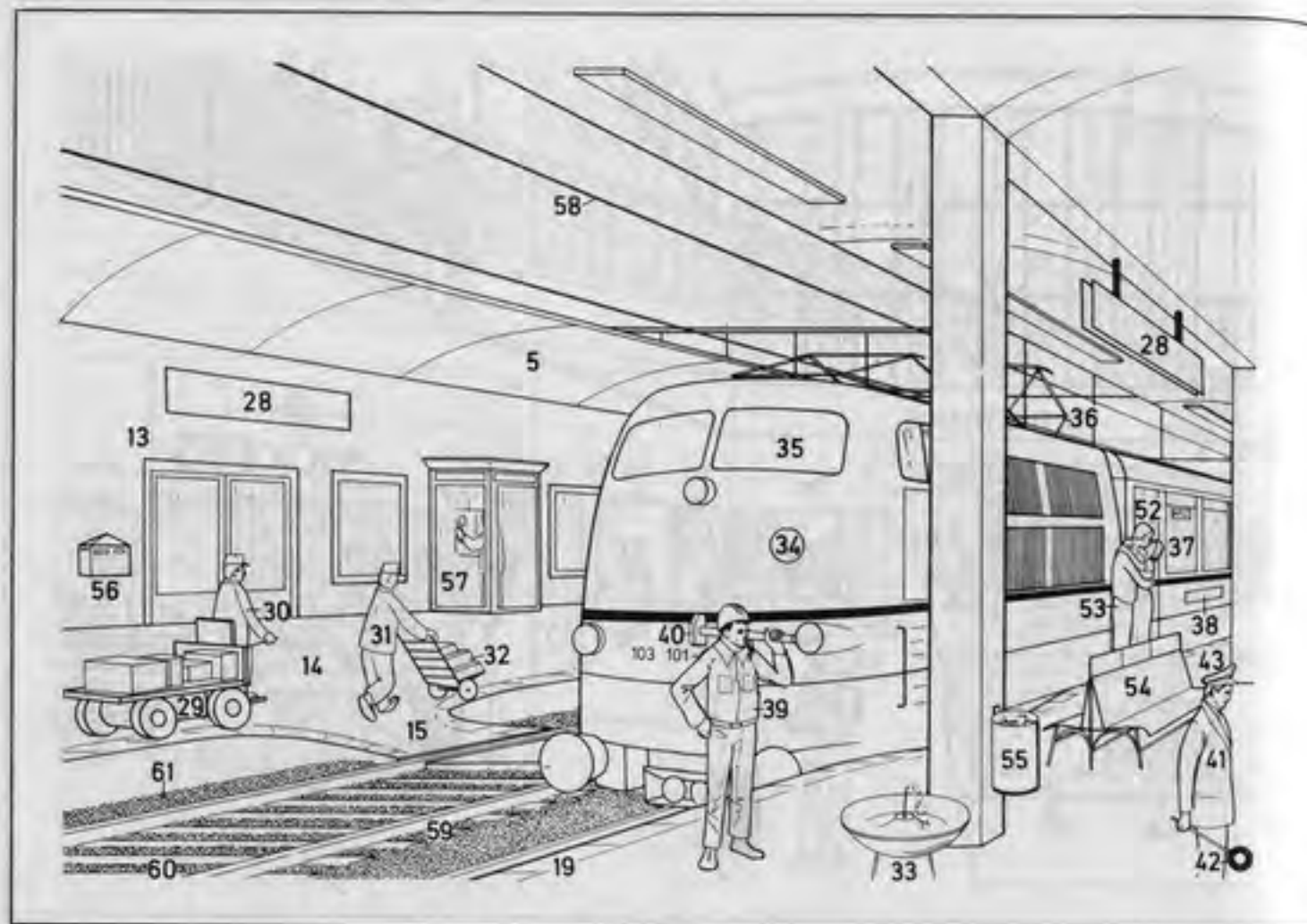


- 1 parcels office
- 2 parcels
- 3 basket [with lock]
- 4 luggage counter
- 5 platform scale with dial
- 6 suitcase (case)
- 7 luggage sticker
- 8 luggage receipt
- 9 luggage clerk
- 10 poster (advertisement)
- 11 station post box (*Am.* station mailbox)
- 12 notice board indicating train delays
- 13 station restaurant
- 14 waiting room
- 15 map of the town (street map)
- 16 timetable (*Am.* schedule)
- 17 hotel porter
- 18 arrivals and departures board (timetable)
- 19 arrival timetable (*Am.* arrival schedule)
- 20 departure timetable (*Am.* departure schedule)

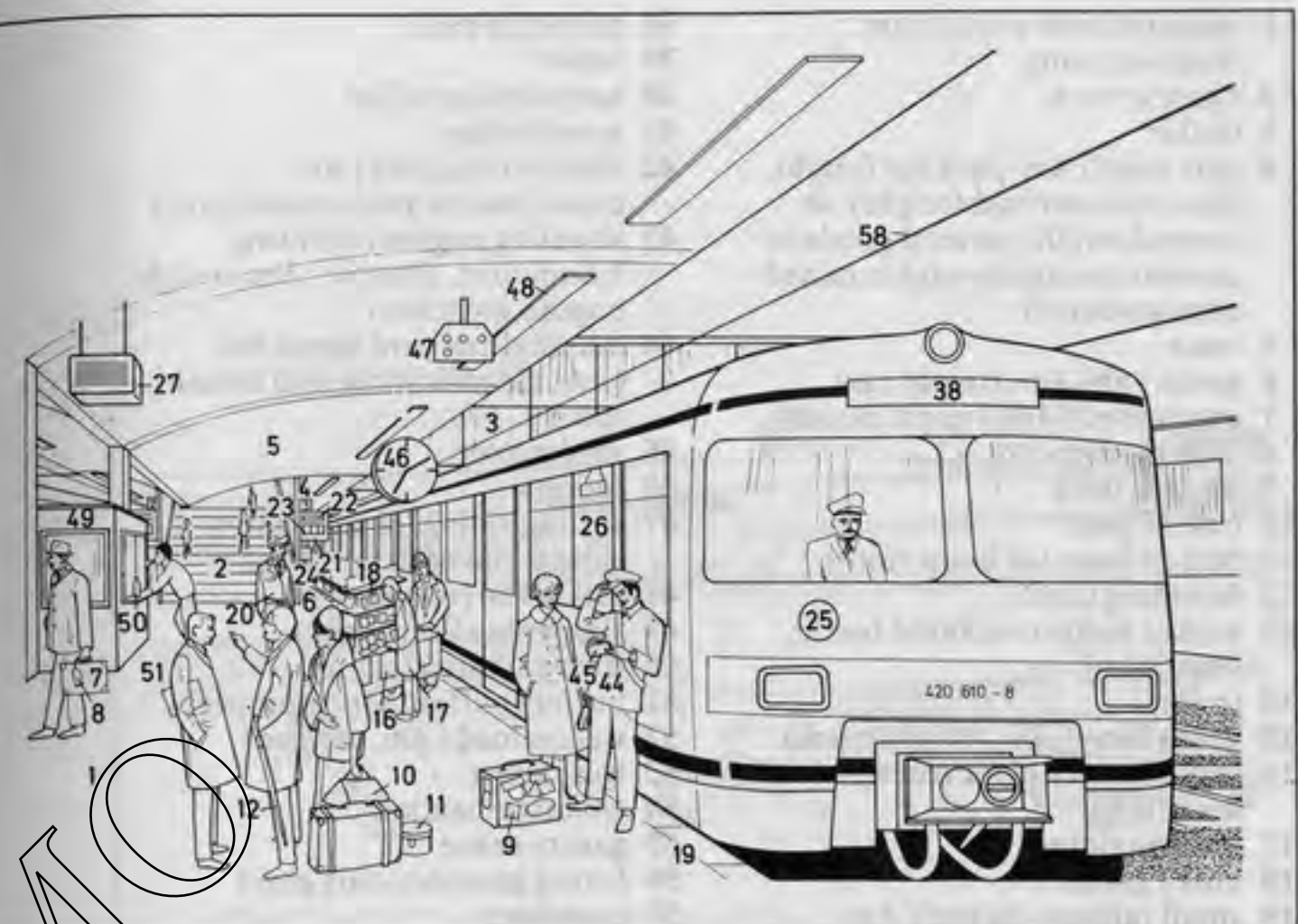
- 21 left luggage lockers
- 22 change machine
- 23 tunnel to the platforms
- 24 passengers
- 25 steps to the platforms
- 26 station bookstall (*Am.* station bookstand)
- 27 left luggage office (left luggage)
- 28 travel centre (*Am.* center); also: accommodation bureau
- 29 information office (*Am.* information bureau)
- 30 station clock
- 31 bank branch with foreign exchange counter
- 32 indicator board showing exchange rates
- 33 railway map (*Am.* railroad map)
- 34 ticket office
- 35 ticket counter
- 36 ticket (railway ticket, *Am.* railroad ticket)
- 37 revolving tray
- 38 grill
- 39 ticket clerk (*Am.* ticket agent)



- 40 ticket-printing machine (ticket-stamping machine)
- 41 hand-operated ticket printer
- 42 pocket timetable (*Am.* pocket train schedule)
- 43 luggage rest
- 44 first aid station
- 45 Travellers' (*Am.* Travelers') Aid
- 46 telephone box (telephone booth, telephone kiosk, call box)
- 47 cigarettes and tobacco kiosk
- 48 flower stand
- 49 railway information clerk
- 50 official timetable (official railway guide, *Am.* train schedule)

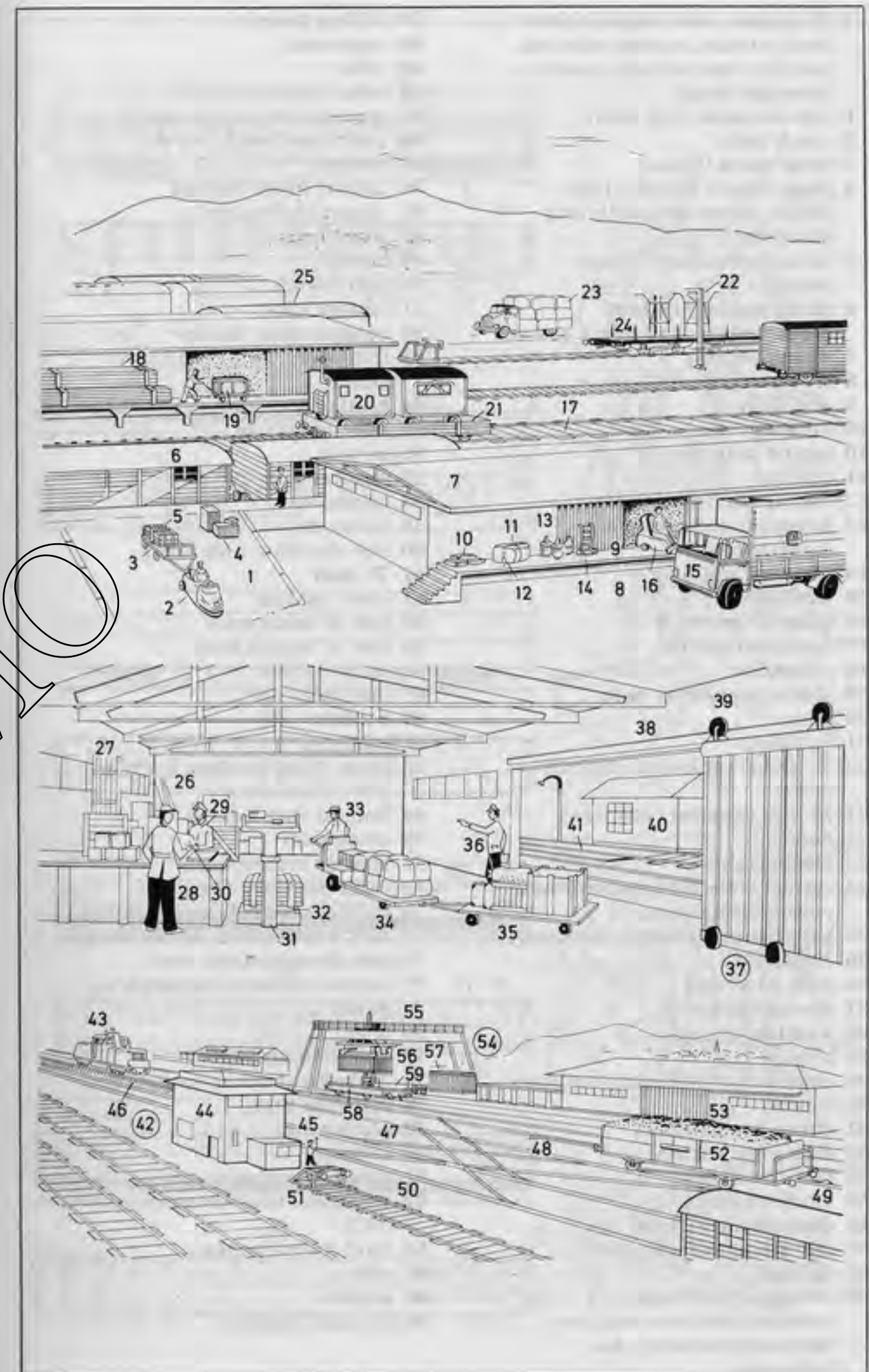


- 1 platform
- 2 steps to the platform
- 3 bridge to the platforms
- 4 platform number
- 5 platform roofing
- 6 passengers
- 7-12 luggage
- 7 suitcase (case)
- 8 luggage label
- 9 hotel sticker
- 10 travelling (*Am.* traveling) bag
- 11 hat box
- 12 umbrella, a walking-stick umbrella
- 13 main building; *also*: offices
- 14 platform
- 15 crossing
- 16 news trolley
- 17 news vendor (*Am.* news dealer)
- 18 reading matter for the journey
- 19 edge of the platform
- 20 railway policeman (*Am.* railroad policeman)
- 21 destination board
- 22 destination indicator
- 23 departure time indicator
- 24 delay indicator
- 25 suburban train, a railcar
- 26 special compartment
- 27 platform loudspeaker
- 28 station sign
- 29 electric trolley (electric truck)
- 30 loading foreman
- 31 porter (*Am.* redcap)
- 32 barrow
- 33 drinking fountain
- 34 electric Trans-Europe Express; *also*: Intercity train
- 35 electric locomotive, an express locomotive
- 36 collector bow (sliding bow)
- 37 secretarial compartment
- 38 destination board
- 39 wheel tapper
- 40 wheel-tapping hammer
- 41 station foreman
- 42 signal
- 43 red cap

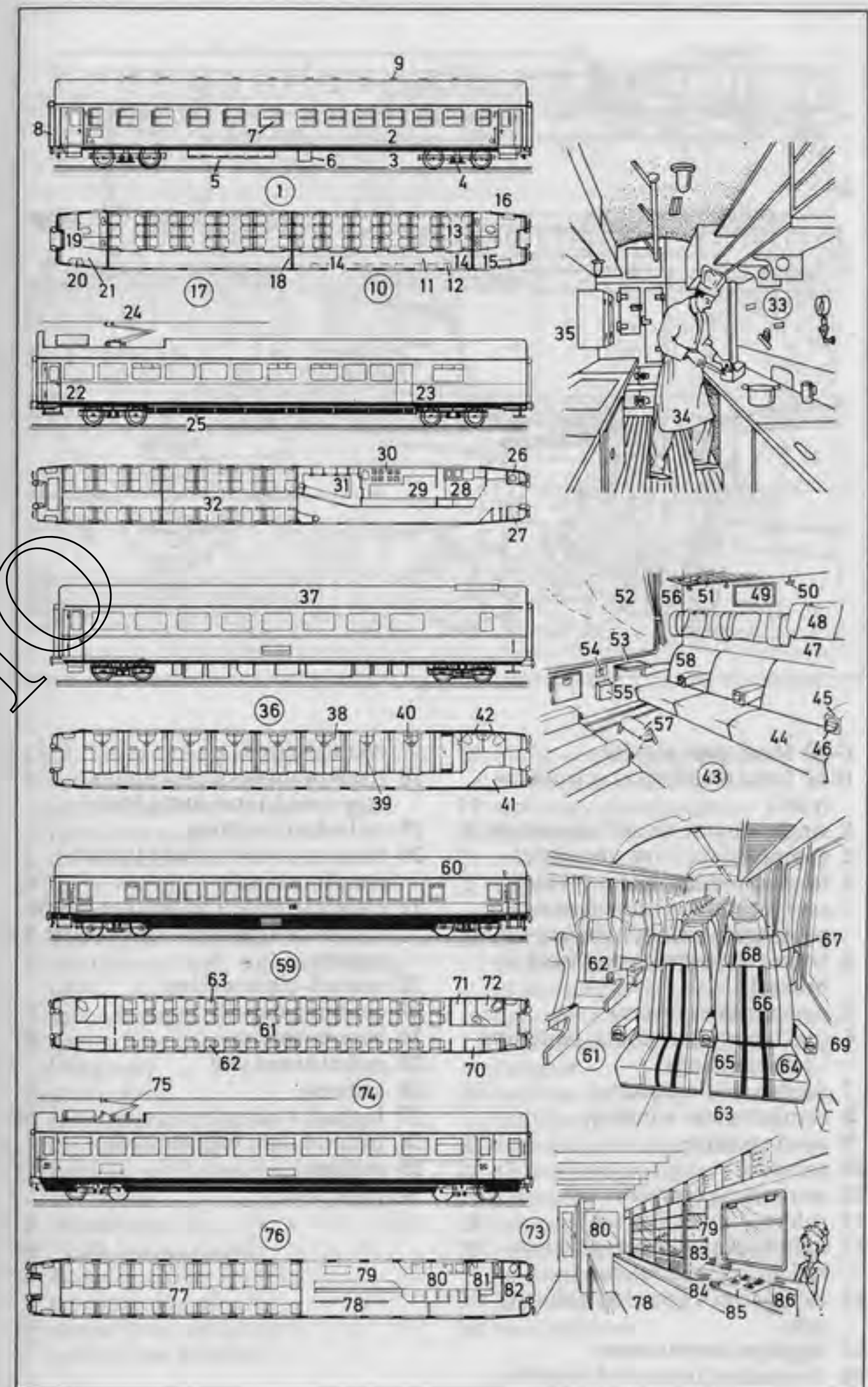


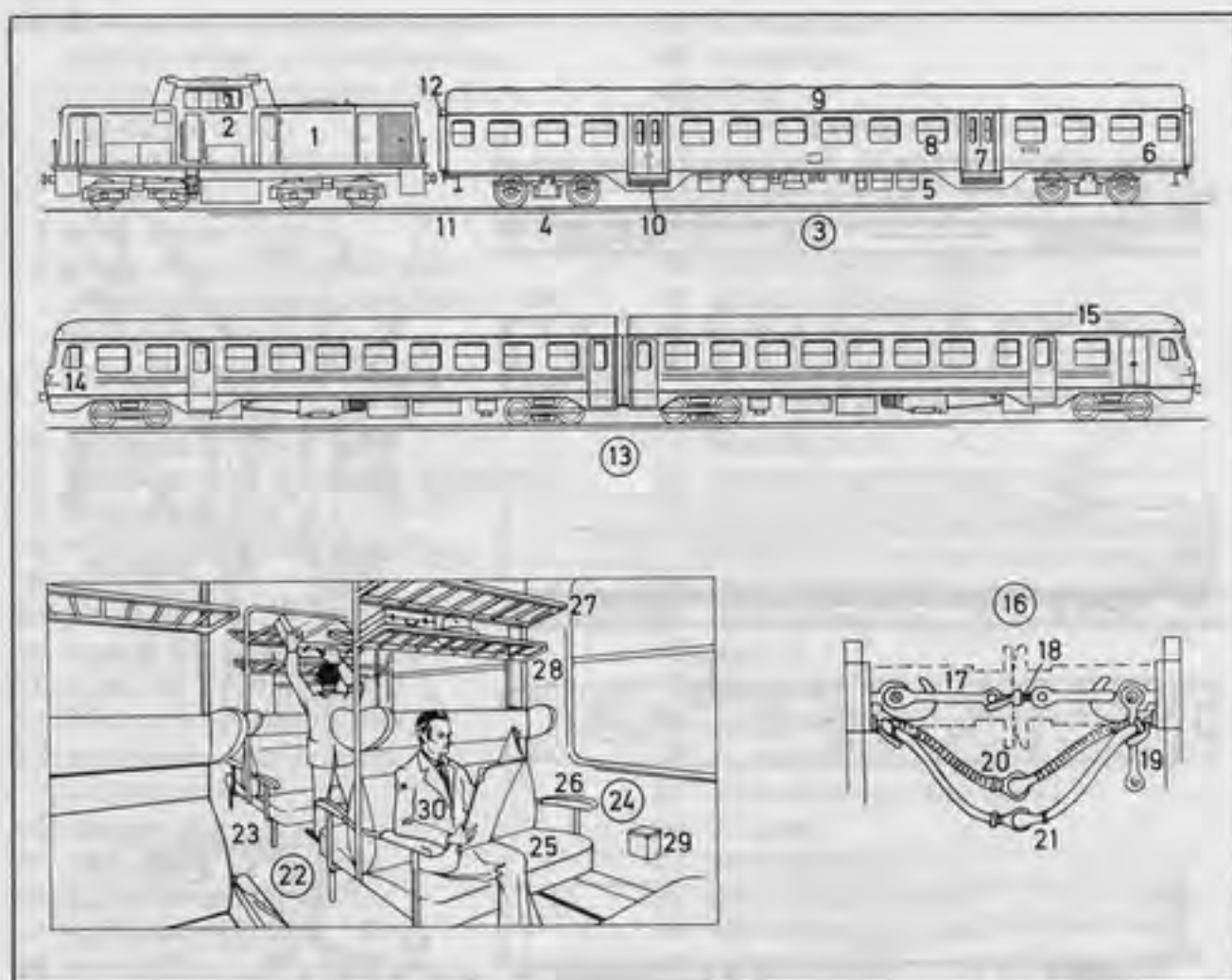
- 44 inspector
- 45 pocket timetable (*Am.* pocket train schedule)
- 46 platform clock
- 47 starting signal
- 48 platform lighting
- 49 refreshment kiosk
- 50 beer bottle
- 51 newspaper
- 52 parting kiss
- 53 embrace
- 54 platform seat
- 55 litter bin (*Am.* litter basket)
- 56 platform post box (*Am.* platform mailbox)
- 57 platform telephone
- 58 trolley wire (overhead contact wire)
- 59-61 track
- 59 rail
- 60 sleeper (*Am.* tie, crosstie)
- 61 ballast (bed)

- | | |
|---|---|
| 1 ramp (vehicle ramp); <i>sim.</i> :
livestock ramp | 38 rail (slide rail) |
| 2 electric truck | 39 roller |
| 3 trailer | 40 weighbridge office |
| 4 part loads (<i>Am.</i> package freight,
less-than-carload freight); <i>in</i>
<i>general traffic</i> : general goods in
general consignments (in mixed
consignments) | 41 weighbridge |
| 5 crate | 42 marshalling yard (<i>Am.</i>
classification yard, switch yard) |
| 6 goods van (<i>Am.</i> freight car) | 43 shunting engine (shunting
locomotive, shunter, <i>Am.</i> switch
engine, switcher) |
| 7 goods shed (<i>Am.</i> freight house) | 44 marshalling yard signal box
(<i>Am.</i> classification yard switch
tower) |
| 8 loading strip | 45 yardmaster |
| 9 loading dock | 46 hump |
| 10 bale of peat | 47 sorting siding (classification
siding, classification track) |
| 11 bale of linen (of linen cloth) | 48 rail brake (retarder) |
| 12 fastening (cord) | 49 slipper brake (slipper) |
| 13 wicker bottle (wickered bottle,
demijohn) | 50 storage siding (siding) |
| 14 trolley | 51 buffer (buffers, <i>Am.</i> bumper) |
| 15 goods lorry (<i>Am.</i> freight truck) | 52 wagon load (<i>Am.</i> carload) |
| 16 forklift truck (fork truck,
forklift) | 53 warehouse |
| 17 loading siding | 54 container station |
| 18 bulky goods | 55 gantry crane |
| 19 small railway-owned (<i>Am.</i>
railroad-owned) container | 56 lifting gear (hoisting gear) |
| 20 showman's caravan (<i>sim.</i> : circus
caravan) | 57 container |
| 21 flat wagon (<i>Am.</i> flat freight car) | 58 container wagon (<i>Am.</i> container
car) |
| 22 loading gauge (<i>Am.</i> gage) | 59 semi-trailer |
| 23 bale of straw | |
| 24 flat wagon (<i>Am.</i> flatcar) with
side stakes | |
| 25 fleet of lorries (<i>Am.</i> trucks) | |
| 26-39 goods shed (<i>Am.</i> freight
house) | |
| 26 goods office (forwarding office,
<i>Am.</i> freight office) | |
| 27 part-load goods (<i>Am.</i> package
freight) | |
| 28 forwarding agent (<i>Am.</i> freight
agent, shipper) | |
| 29 loading foreman | |
| 30 consignment note (waybill) | |
| 31 weighing machine | |
| 32 pallet | |
| 33 porter | |
| 34 electric cart (electric truck) | |
| 35 trailer | |
| 36 loading supervisor | |
| 37 goods shed door (<i>Am.</i> freight
house door) | |



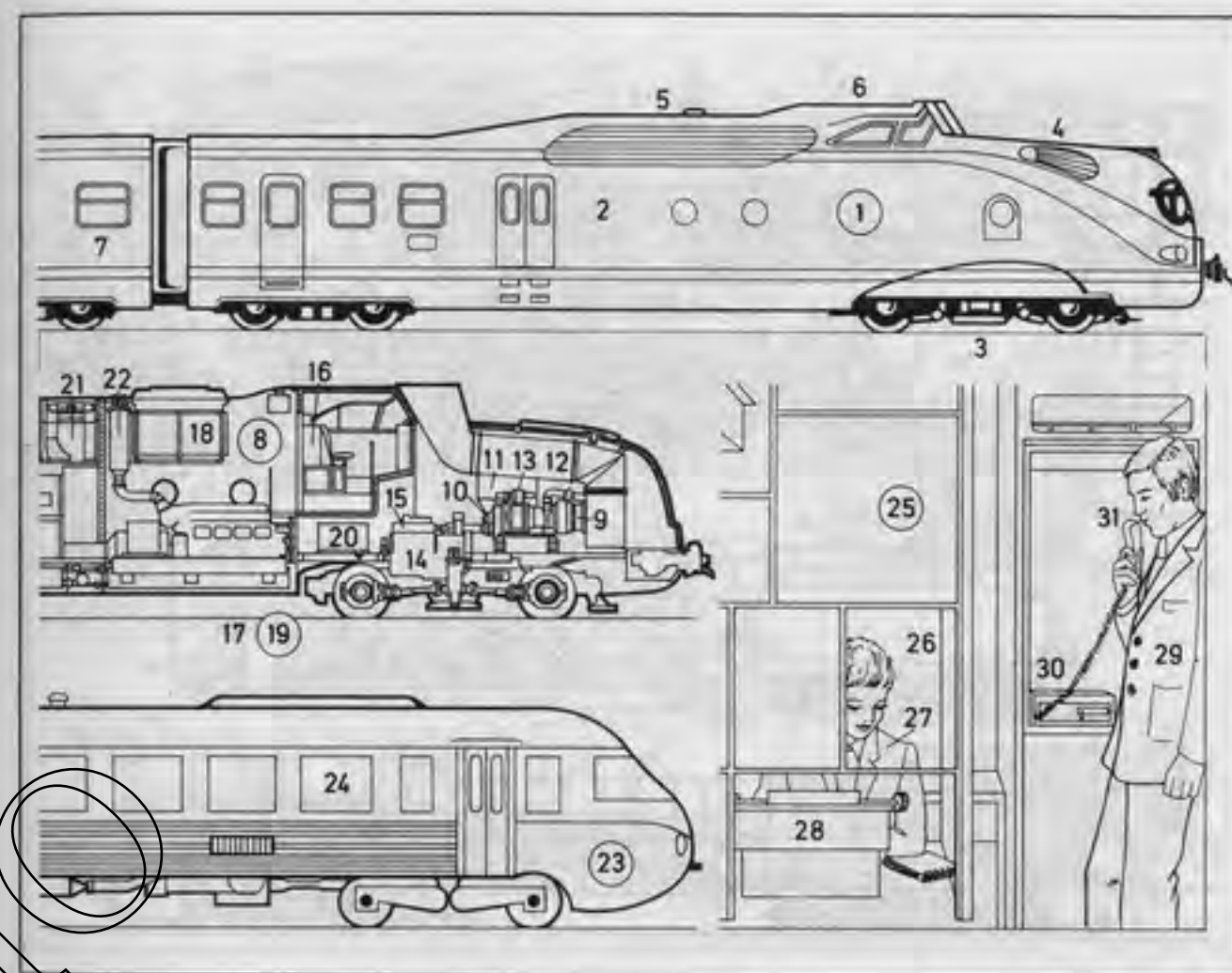
- 1-21 express train coach (express train carriage, express train car, corridor compartment coach), a passenger coach
- 1 side elevation (side view)
- 2 coach body
- 3 underframe (frame)
- 4 bogie (truck) with steel and rubber suspension and shock absorbers
- 5 battery containers (battery boxes)
- 6 steam and electric heat exchanger for the heating system
- 7 sliding window
- 8 rubber connecting seal
- 9 ventilator
- 10-21 plan
- 10 second-class section
- 11 corridor
- 12 folding seat (tip-up seat)
- 13 passenger compartment (compartment)
- 14 compartment door
- 15 washroom
- 16 toilet (lavatory, WC)
- 17 first-class section
- 18 swing door
- 19 sliding connecting door
- 20 door
- 21 vestibule
- 22-32 dining car (restaurant car, diner)
- 22-25 side elevation (side view)
- 22 door
- 23 loading door
- 24 current collector for supplying power during stops
- 25 battery boxes (battery containers)
- 26-32 plan
- 26 staff washroom
- 27 storage cupboard
- 28 washing-up area
- 29 kitchen
- 30 electric oven with eight hotplates
- 31 counter
- 32 dining compartment
- 33 dining car kitchen
- 34 chef (head cook)
- 35 kitchen cabinet
- 36 sleeping car (sleeper)
- 37 side elevation (side view)
- 38-42 plan
- 38 two-seat twin-berth compartment (two-seat two-berth compartment, *Am. bedroom*)
- 39 folding doors
- 40 washstand
- 41 office
- 42 toilet (lavatory, WC)
- 43 express train compartment
- 44 upholstered reclining seat
- 45 armrest
- 46 ashtray in the armrest
- 47 adjustable headrest
- 48 antimacassar
- 49 mirror
- 50 coat hook
- 51 luggage rack
- 52 compartment window
- 53 fold-away table (pull-down table)
- 54 heating regulator
- 55 litter receptacle
- 56 curtain
- 57 footrest
- 58 corner seat
- 59 open car
- 60 side elevation (side view)
- 61-72 plan
- 61 open carriage
- 62 row of single seats
- 63 row of double seats
- 64 reclining seat
- 65 seat upholstery
- 66 backrest
- 67 headrest
- 68 down-filled headrest cushion with nylon cover
- 69 armrest with ashtray
- 70 cloakroom
- 71 luggage compartment
- 72 toilet (lavatory, WC)
- 73 buffet car (quick-service buffet car), a self-service restaurant car, a self-service restaurant car
- 74 side elevation (side view)
- 75 current collector for supplying power
- 76 plan
- 77 dining compartment
- 78-79 buffet (buffet compartment)
- 78 customer area
- 79 serving area
- 80 kitchen
- 81 staff compartment
- 82 staff toilet (staff lavatory, staff WC)
- 83 food compartments
- 84 plates
- 85 cutlery
- 86 till (cash register)



**1-30 local train service****1-12 local train (short-distance train)**

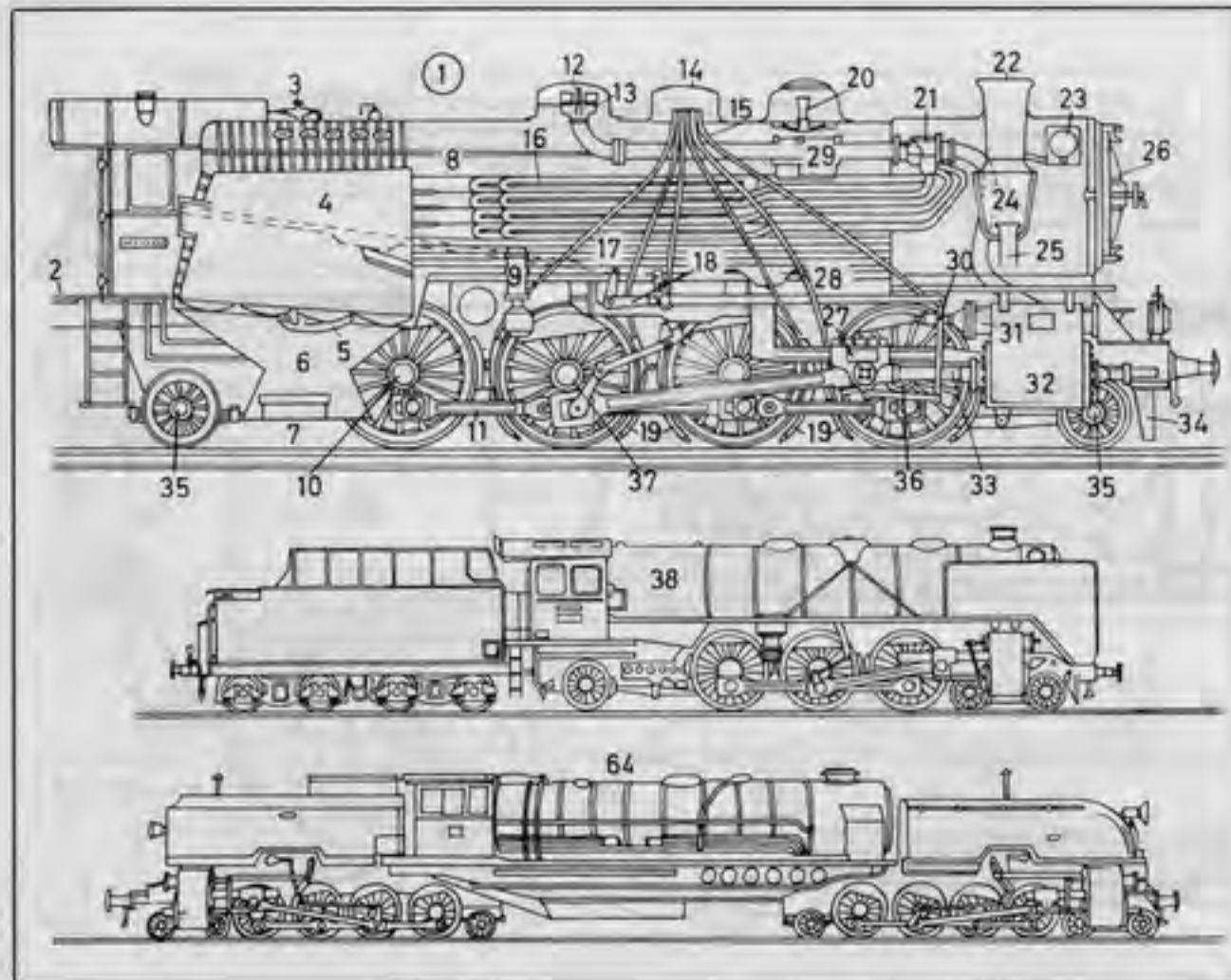
- 1 single-engine diesel locomotive
- 2 engine driver (*Am.* engineer)
- 3 four-axled coach (four-axled car) for short-distance routes, a passenger coach (passenger car)
- 4 bogie (truck) [with disc (disk) brakes]
- 5 underframe (frame)
- 6 coach body with metal panelling (*Am.* paneling)
- 7 double folding doors
- 8 compartment window
- 9 open carriage
- 10 entrance
- 11 connecting corridor
- 12 rubber connecting seal
- 13 light railcar, a short-distance railcar, a diesel railcar
- 14 cab (driver's cab, *Am.* engineer's cab)
- 15 luggage compartment
- 16 connecting hoses and coupling

- 17 coupling link
- 18 tensioning device (coupling screw with tensioning lever)
- 19 unlinked coupling
- 20 heating coupling hose (steam coupling hose)
- 21 coupling hose (connecting hose) for the compressed-air braking system
- 22 second-class section
- 23 central gangway
- 24 compartment
- 25 upholstered seat
- 26 armrest
- 27 luggage rack
- 28 hat and light luggage rack
- 29 ashtray
- 30 passenger

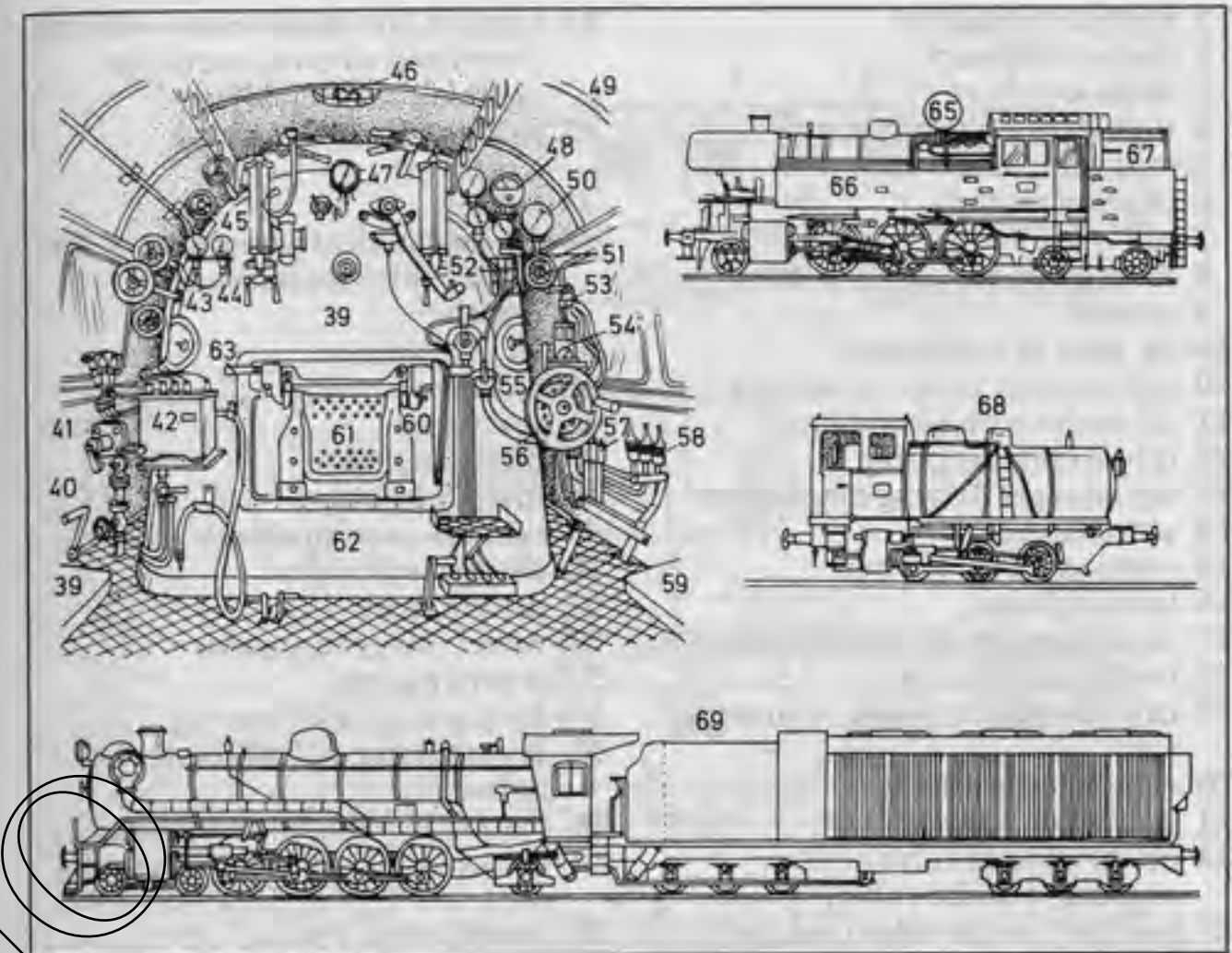
**1-22 Trans-Europe Express**

- 1 German Federal Railway trainset, a diesel trainset or gas turbine trainset
- 2 driving unit
- 3 drive wheel unit
- 4 main engine
- 5 diesel generator unit
- 6 cab (driver's cab, *Am.* engineer's cab)
- 7 second coach
- 8 gas turbine driving unit [diagram]
- 9 gas turbine
- 10 turbine transmission
- 11 air intake
- 12 exhaust with silencers (*Am.* mufflers)
- 13 dynastarter
- 14 Voith transmission
- 15 heat exchanger for the transmission oil
- 16 gas turbine controller
- 17 gas turbine fuel tank

- 18 oil-to-air cooling unit for transmission and turbine
- 19 auxiliary diesel engine
- 20 fuel tank
- 21 cooling unit
- 22 exhaust with silencers (*Am.* mufflers)
- 23 **Société Nationale des Chemins de Fer Français (SNCF)** experimental trainset with six-cylinder underfloor diesel engine and twin-shaft gas turbine
- 24 turbine unit with silencers (*Am.* mufflers)
- 25 secretarial compartment
- 26 typing compartment
- 27 secretary
- 28 typewriter
- 29 travelling (*Am.* traveling) salesman
- 30 dictating machine
- 31 microphone



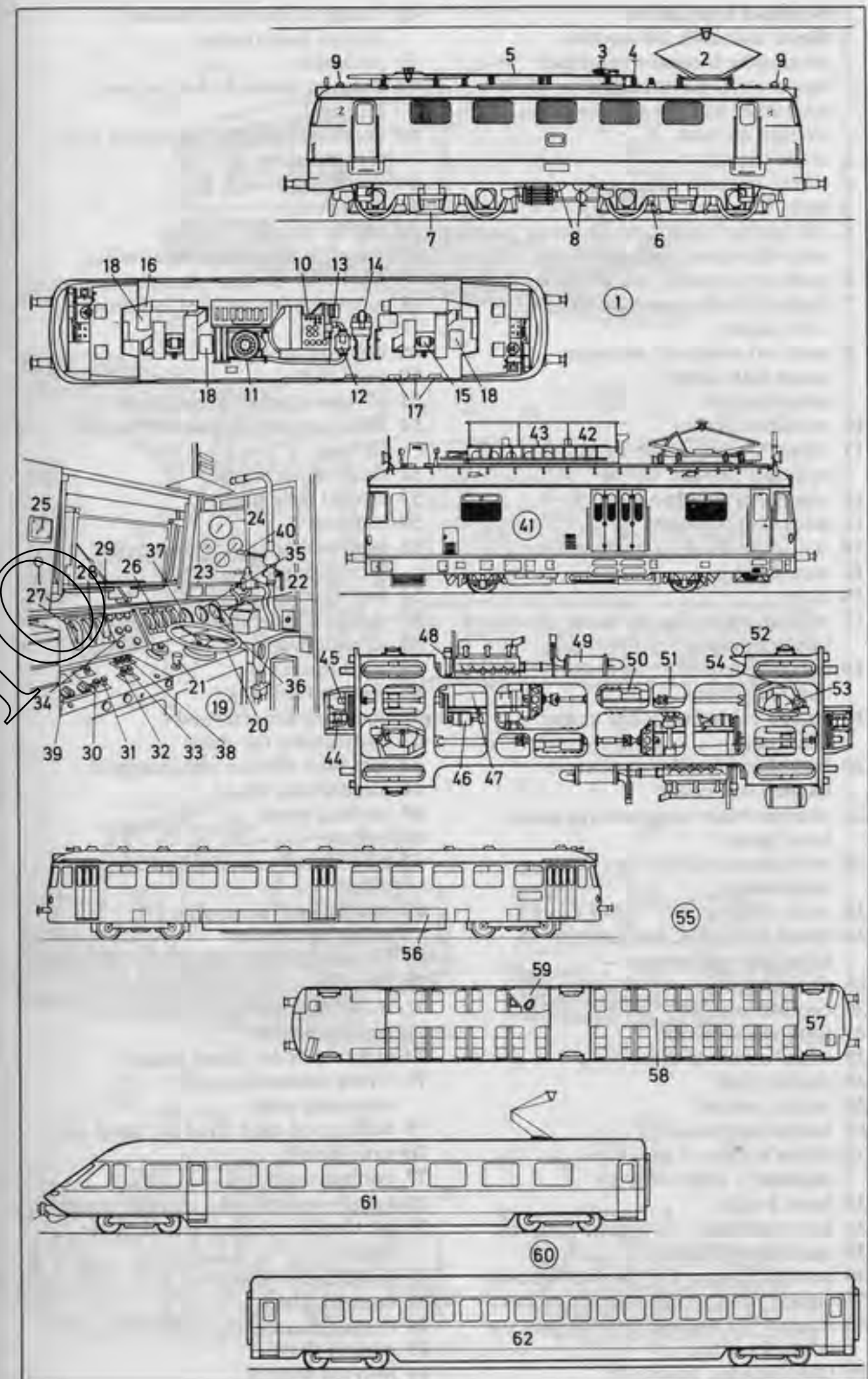
- 1-69 steam locomotives
2-37 locomotive boiler and driving gear
- 2 tender platform with coupling
 - 3 safety valve for excess boiler pressure
 - 4 firebox
 - 5 drop grate
 - 6 ashpan with damper doors
 - 7 bottom door of the ashpan
 - 8 smoke tubes (flue tubes)
 - 9 feed pump
 - 10 axle bearing
 - 11 connecting rod
 - 12 steam dome
 - 13 regulator valve (regulator main valve)
 - 14 sand dome
 - 15 sand pipes (sand tubes)
 - 16 boiler (boiler barrel)
 - 17 fire tubes or steam tubes
 - 18 reversing gear (steam reversing gear)
 - 19 sand pipes
 - 20 feed valve
 - 21 steam collector
 - 22 chimney (smokestack, smoke outlet and waste steam exhaust)
 - 23 feedwater preheater (feedwater heater, economizer)
 - 24 spark arrester
 - 25 blast pipe
 - 26 smokebox door
 - 27 cross head
 - 28 mud drum
 - 29 top feedwater tray
 - 30 combination lever
 - 31 steam chest
 - 32 cylinder
 - 33 piston rod with stuffing box (packing box)
 - 34 guard iron (rail guard, *Am.* pilot, cowcatcher)
 - 35 carrying axle (running axle, dead axle)
 - 36 coupled axle
 - 37 driving axle
 - 38 express locomotive with tender



- 39-63 cab (driver's cab, *Am.* engineer's cab)
- 39 fireman's seat
 - 40 drop grate lever
 - 41 line steam injector
 - 42 automatic lubricant pump (automatic lubricator)
 - 43 preheater pressure gauge (*Am.* gage)
 - 44 carriage heating pressure gauge (*Am.* gage)
 - 45 water gauge (*Am.* gage)
 - 46 light
 - 47 boiler pressure gauge (*Am.* gage)
 - 48 distant-reading temperature gauge (*Am.* gage)
 - 49 cab (driver's cab, *Am.* engineer's cab)
 - 50 brake pressure gauge (*Am.* gage)
 - 51 whistle valve handle
 - 52 driver's timetable (*Am.* engineer's schedule)
 - 53 driver's brake valve (*Am.* engineer's brake valve)
 - 54 speed recorder (tachograph)
 - 55 sanding valve
 - 56 reversing wheel
 - 57 emergency brake valve
 - 58 release valve
 - 59 driver's seat (*Am.* engineer's seat)
 - 60 firehole shield
 - 61 firehole door
 - 62 vertical boiler
 - 63 firedoor handle handgrip
 - 64 articulated locomotive (Garratt locomotive)
 - 65 tank locomotive
 - 66 water tank
 - 67 fuel tender
 - 68 steam storage locomotive (fireless locomotive)
 - 69 condensing locomotive (locomotive with condensing tender)

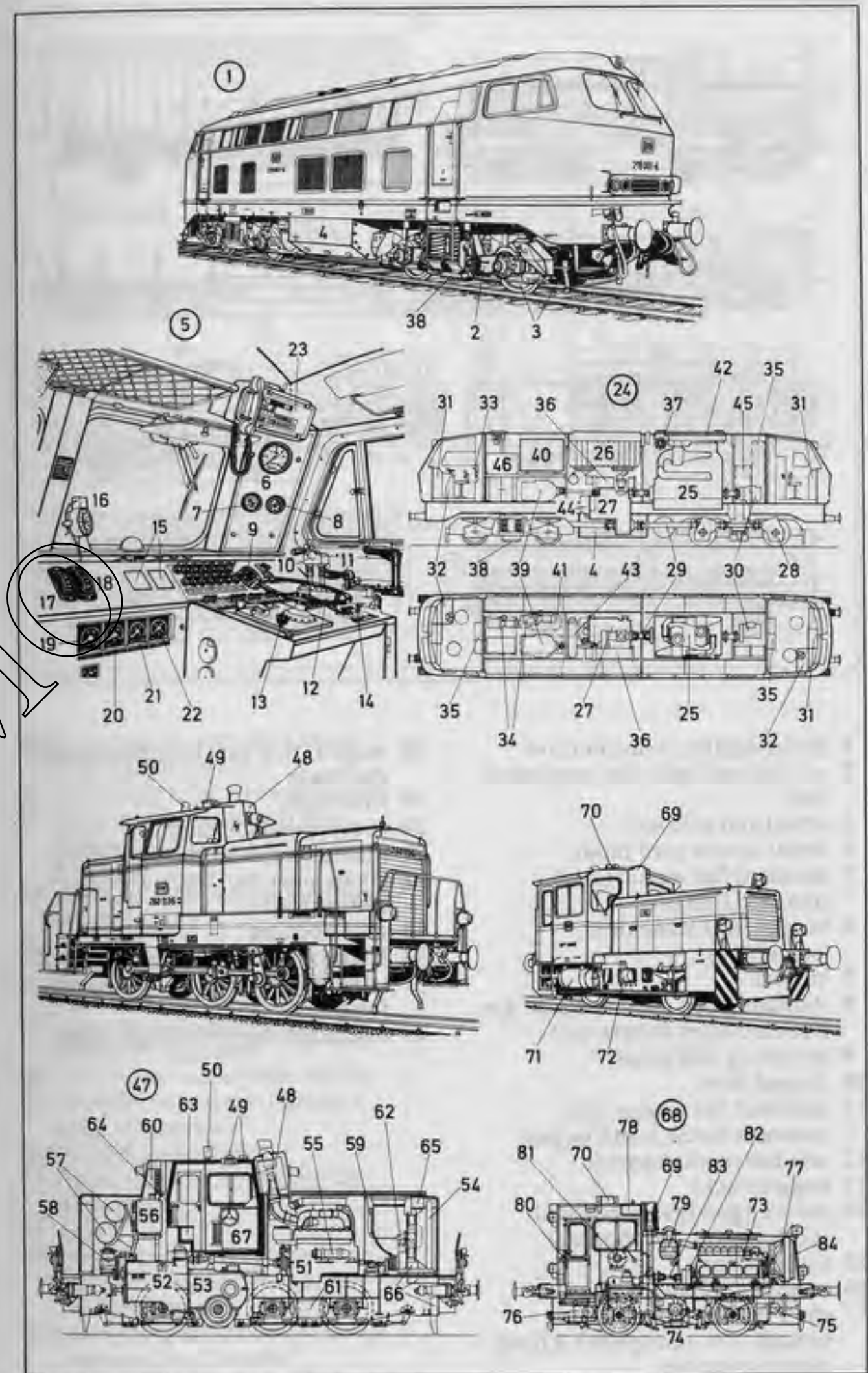
- 1 electric locomotive
- 2 current collector
- 3 main switch
- 4 high-tension transformer
- 5 roof cable
- 6 traction motor
- 7 inductive train control system
- 8 main air reservoir
- 9 whistle
- 10-18 plan of locomotive
- 10 transformer with tap changer
- 11 oil cooler with blower
- 12 oil-circulating pump
- 13 tap changer driving mechanism
- 14 air compressor
- 15 traction motor blower
- 16 terminal box
- 17 capacitors for auxiliary motors
- 18 commutator cover
- 19 cab (driver's cab, *Am.* engineer's cab)
- 20 controller handwheel
- 21 dead man's handle
- 22 driver's brake valve (*Am.* engineer's brake valve)
- 23 ancillary brake valve (auxiliary brake valve)
- 24 pressure gauge (*Am.* gage)
- 25 bypass switch for the dead man's handle
- 26 tractive effort indicator
- 27 train heating voltage indicator
- 28 contact wire voltage indicator (overhead wire voltage indicator)
- 29 high-tension voltage indicator
- 30 on/off switch for the current collector
- 31 main switch
- 32 sander switch (sander control)
- 33 anti-skid brake switch
- 34 visual display for the ancillary systems
- 35 speedometer
- 36 running step indicator
- 37 clock
- 38 controls for the inductive train control system
- 39 cab heating switch
- 40 whistle lever

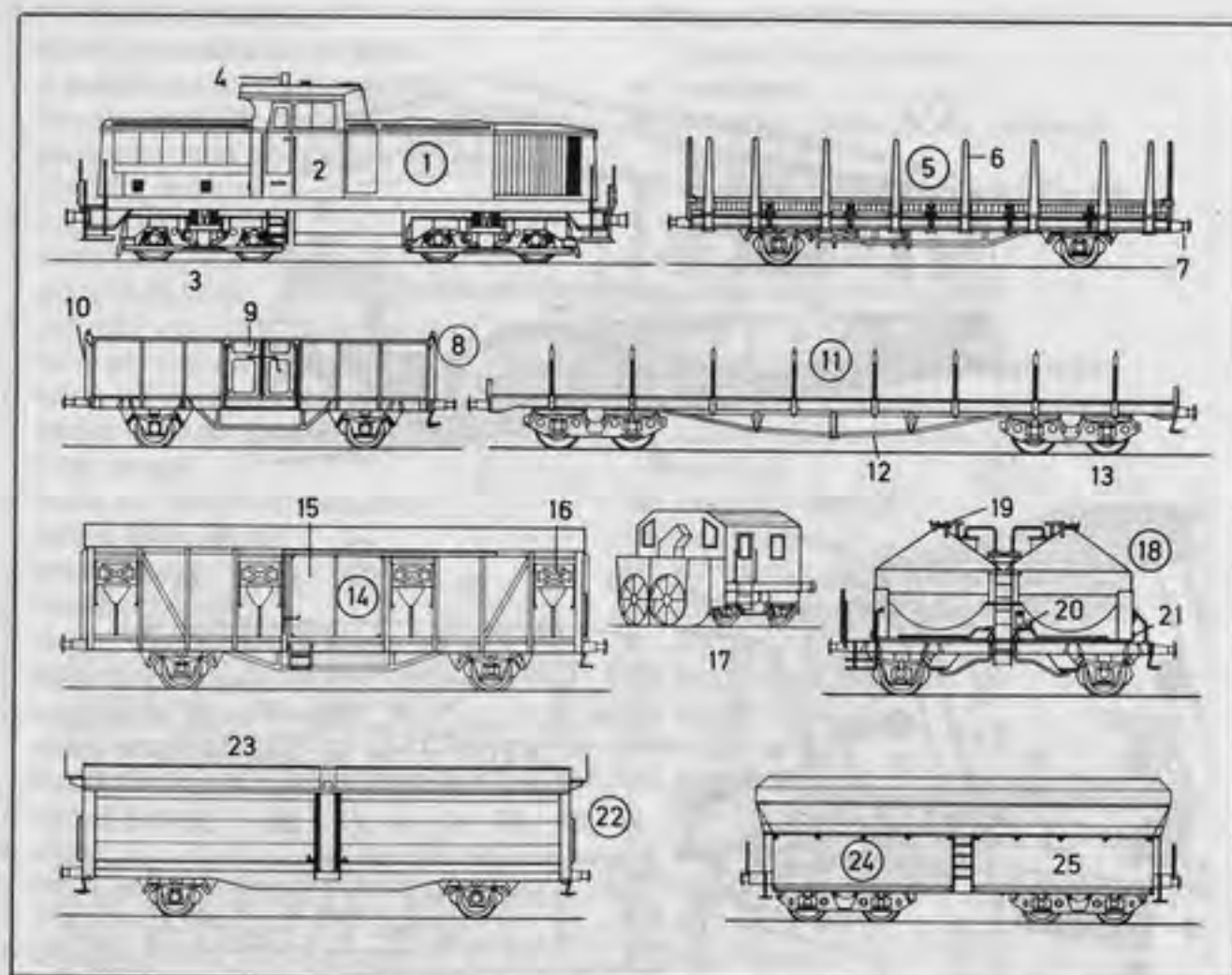
- 41 contact wire maintenance vehicle (overhead wire maintenance vehicle), a diesel railcar
- 42 work platform (working platform)
- 43 ladder
- 44-54 mechanical equipment of the contact wire maintenance vehicle
- 44 air compressor
- 45 blower oil pump
- 46 generator
- 47 diesel engine
- 48 injection pump
- 49 silencer (*Am.* muffler)
- 50 change-speed gear
- 51 cardan shaft
- 52 wheel flange lubricator
- 53 reversing gear
- 54 torque converter bearing
- 55 accumulator railcar (battery railcar)
- 56 battery box (battery container)
- 57 cab (driver's cab, *Am.* engineer's cab)
- 58 second-class seating arrangement
- 59 toilet (lavatory, WC)
- 60 fast electric multiple-unit train
- 61 front railcar
- 62 driving trailer car



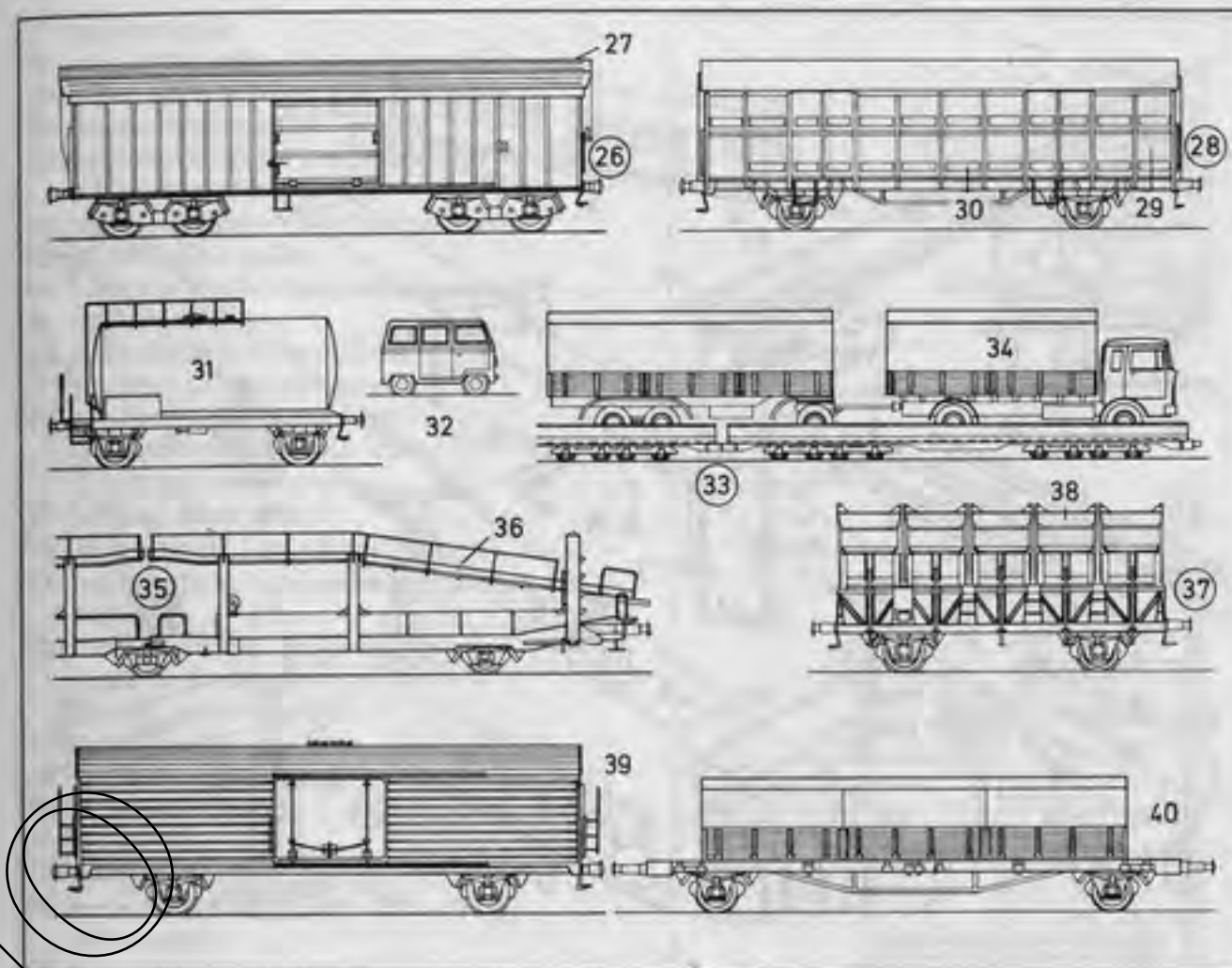
- 1-84 diesel locomotives
- 1 diesel-hydraulic locomotive, a mainline locomotive (diesel locomotive) for medium passenger and goods service (freight service)
- 2 bogie (truck)
- 3 wheel and axle set
- 4 main fuel tank
- 5 cab (driver's cab, *Am.* engineer's cab) of a diesel locomotive
- 6 main air pressure gauge (*Am.* gage)
- 7 brake cylinder pressure gauge (*Am.* gage)
- 8 main air reservoir pressure gauge (*Am.* gage)
- 9 speedometer
- 10 auxiliary brake
- 11 driver's brake valve (*Am.* engineer's brake valve)
- 12 controller handwheel
- 13 dead man's handle
- 14 inductive train control system
- 15 signal lights
- 16 clock
- 17 voltage meter for the train heating system
- 18 current meter for the train heating system
- 19 engine oil temperature gauge (*Am.* gage)
- 20 transmission oil temperature gauge (*Am.* gage)
- 21 cooling water temperature gauge (*Am.* gage)
- 22 revolution counter (rev counter, tachometer)
- 23 radio telephone
- 24 diesel-hydraulic locomotive [plan and elevation]
- 25 diesel engine
- 26 cooling unit
- 27 fluid transmission
- 28 wheel and axle drive
- 29 cardan shaft
- 30 starter motor
- 31 instrument panel
- 32 driver's control desk (*Am.* engineer's control desk)
- 33 hand brake
- 34 air compressor with electric motor
- 35 equipment locker
- 36 heat exchanger for transmission oil
- 37 engine room ventilator
- 38 magnet for the inductive train control system
- 39 train heating generator

- 40 casing of the train heating system transformer
- 41 preheater
- 42 exhaust silencer (*Am.* exhaust muffler)
- 43 auxiliary heat exchanger for the transmission oil
- 44 hydraulic brake
- 45 tool box
- 46 starter battery
- 47 diesel-hydraulic locomotive for light and medium shunting service
- 48 exhaust silencer (*Am.* exhaust muffler)
- 49 bell and whistle
- 50 yard radio
- 51-67 elevation of locomotive
- 51 diesel engine with supercharged turbine
- 52 fluid transmission
- 53 output gear box
- 54 radiator
- 55 heat exchanger for the engine lubricating oil
- 56 fuel tank
- 57 main air reservoir
- 58 air compressor
- 59 sand boxes
- 60 reserve fuel tank
- 61 auxiliary air reservoir
- 62 hydrostatic fan drive
- 63 seat with clothes compartment
- 64 hand brake wheel
- 65 cooling water
- 66 ballast
- 67 engine and transmission control wheel
- 68 small diesel locomotive for shunting service
- 69 exhaust casing
- 70 horn
- 71 main air reservoir
- 72 air compressor
- 73 eight-cylinder diesel engine
- 74 Voith transmission with reversing gear
- 75 heating oil tank (fuel oil tank)
- 76 sand box
- 77 cooling unit
- 78 header tank for the cooling water
- 79 oil bath air cleaner (oil bath air filter)
- 80 hand brake wheel
- 81 control wheel
- 82 coupling
- 83 cardan shaft
- 84 louvred shutter

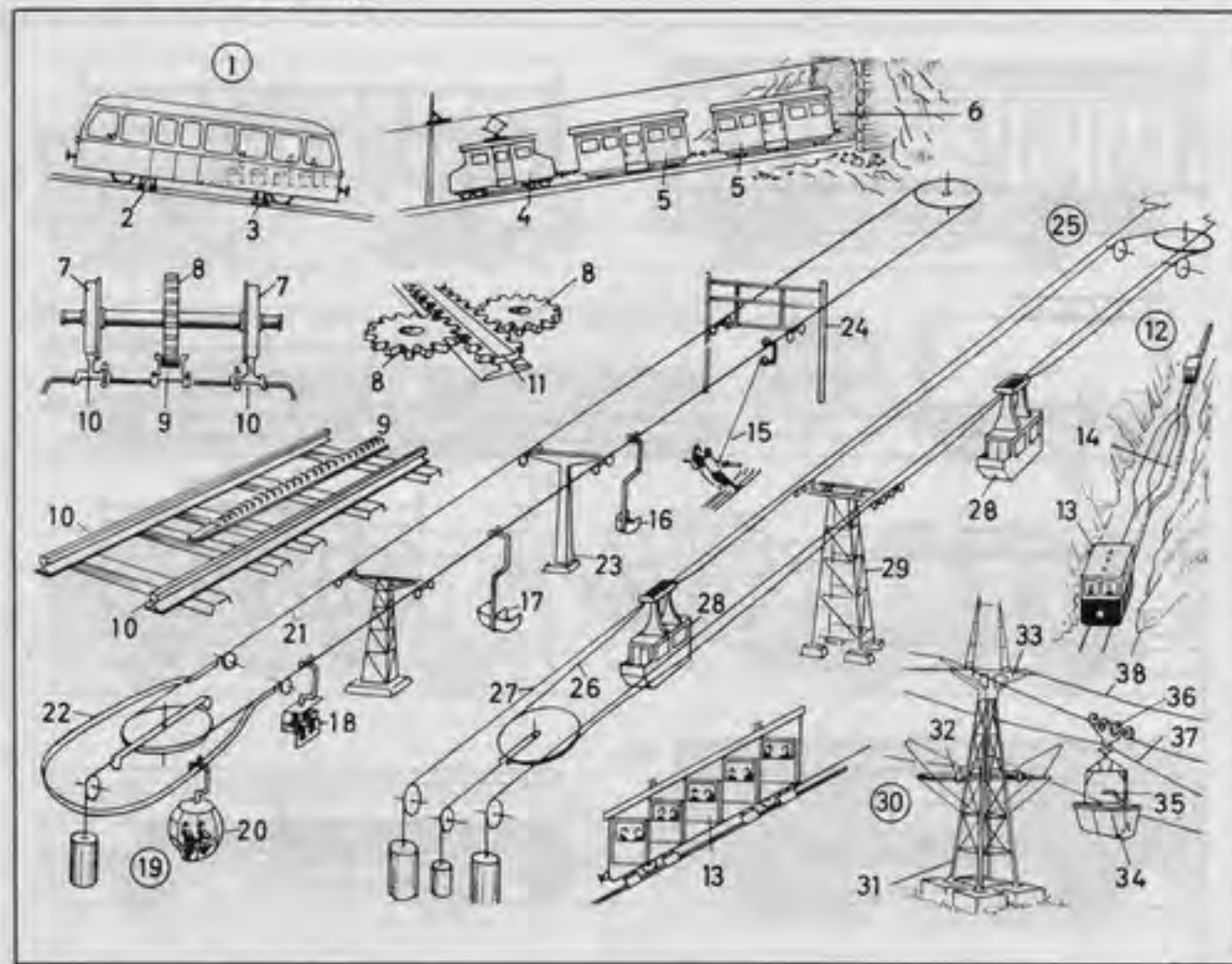




- | | |
|---|---|
| 1 diesel-hydraulic locomotive | 18 wagon (<i>Am. car</i>) with pneumatic discharge |
| 2 cab (driver's cab, <i>Am. engineer's cab</i>) | 19 filler hole |
| 3 wheel and axle set | 20 compressed-air supply |
| 4 aerial for the yard radio | 21 discharge connection valve |
| 5 standard flat wagon (<i>Am. standard flatcar</i>) | 22 goods van (<i>Am. boxcar</i>) with sliding roof |
| 6 hinged steel stanchion (<i>stanchion</i>) | 23 roof opening |
| 7 buffers | 24 bogie open self-discharge wagon (<i>Am. bogie open self-discharge freight car</i>) |
| 8 standard open goods wagon (<i>Am. standard open freight car</i>) | 25 discharge flap (discharge door) |
| 9 revolving side doors | |
| 10 hinged front | |
| 11 standard flat wagon (<i>Am. standard flatcar</i>) with bogies | |
| 12 sole bar reinforcement | |
| 13 bogie (<i>truck</i>) | |
| 14 covered goods van (covered goods wagon, <i>Am. boxcar</i>) | |
| 15 sliding door | |
| 16 ventilation flap | |
| 17 snow blower (rotary snow plough, <i>Am. snowplow</i>), a track-clearing vehicle | |



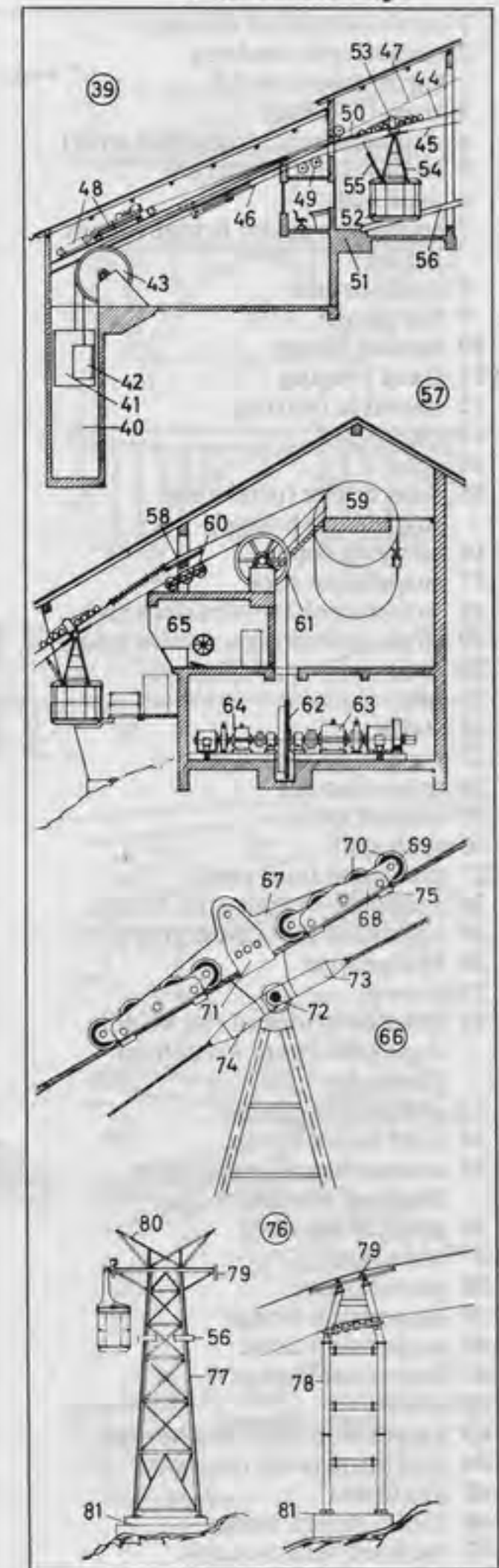
- | |
|---|
| 26 bogie wagon with swivelling (<i>Am. swiveling</i>) roof |
| 27 swivelling (<i>Am. swiveling</i>) roof |
| 28 large-capacity wagon (<i>Am. large-capacity car</i>) for small livestock |
| 29 sidewall with ventilation flaps (<i>slatted wall</i>) |
| 30 ventilation flap |
| 31 tank wagon (<i>Am. tank car</i>) |
| 32 track inspection railcar |
| 33 open special wagons (<i>Am. open special freight cars</i>) |
| 34 lorry (<i>Am. truck</i>) with trailer |
| 35 two-tier car carrier (<i>double-deck car carrier</i>) |
| 36 hinged upper deck |
| 37 tipper wagon (<i>Am. dump car</i>) with skips |
| 38 skip |
| 39 general-purpose refrigerator wagon (<i>refrigerator van, Am. refrigerator car</i>) |
| 40 interchangeable bodies for flat wagons (<i>Am. flatcars</i>) |



- 1-14 mountain railways (*Am. mountain railroads*)
- 1 adhesion railcar
- 2 drive
- 3 emergency brake
- 4-5 rack mountain railway (rack-and-pinion railway, cog railway, *Am. cog railroad, rack railroad*)
- 4 electric rack railway locomotive (*Am. electric rack railroad locomotive*)
- 5 rack railway coach (rack railway trailer, *Am. rack railroad car*)
- 6 tunnel
- 7-11 rack railways (rack-and-pinion railways, *Am. rack railroads*) [systems]
- 7 running wheel (carrying wheel)
- 8 driving pinion
- 9 rack [with teeth machined on top edge]
- 10 rail
- 11 rack [with teeth on both outer edges]
- 12 funicular railway (funicular, cable railway)
- 13 funicular railway car
- 14 haulage cable
- 15-38 cableways (ropeways, cable suspension lines)
- 15-24 single-cable ropeways (single-cable suspension lines), endless ropeways
- 15 drag lift

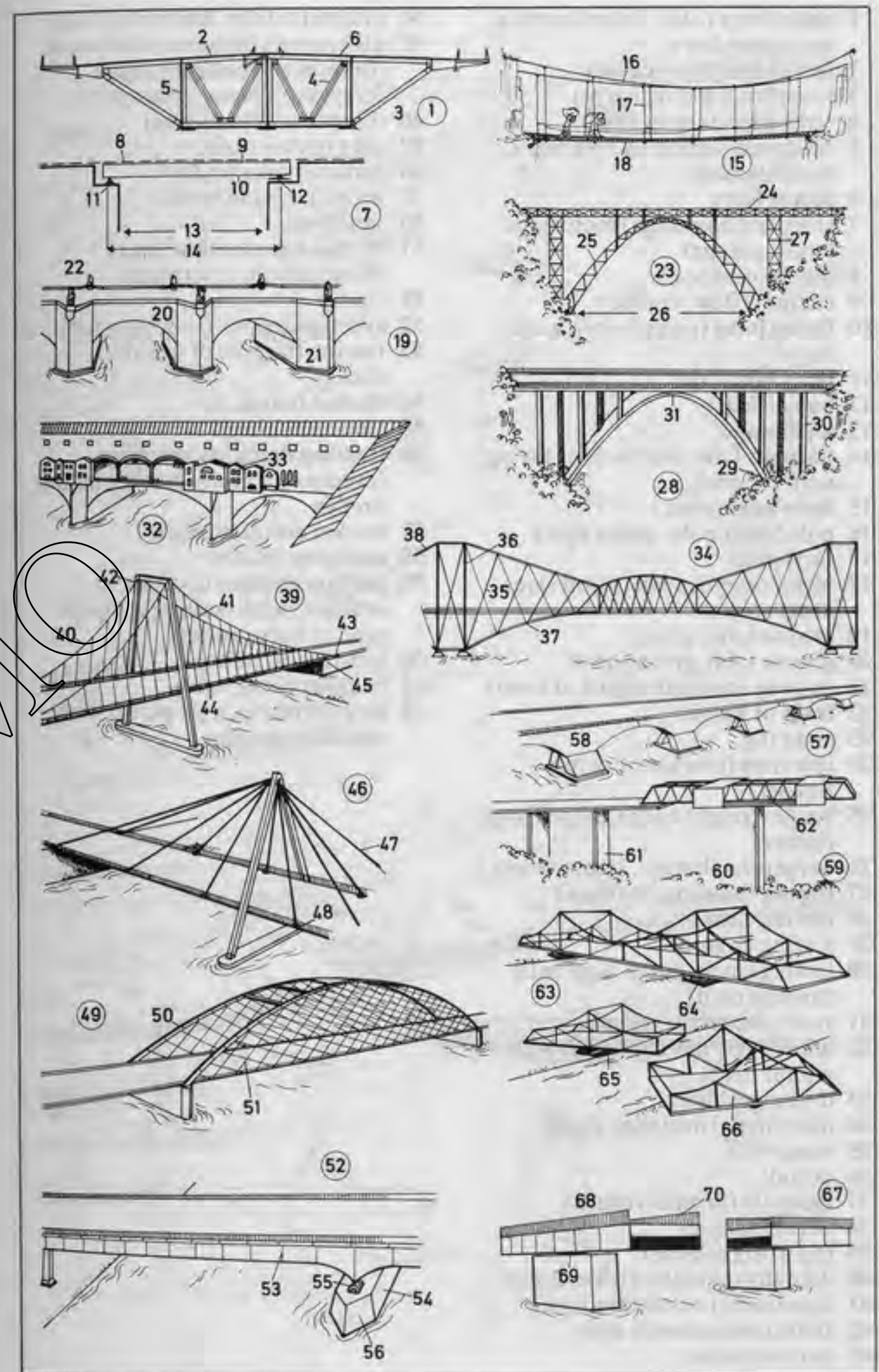
- 16-18 chair lift
- 16 lift chair, a single chair
- 17 double lift chair, a two-seater chair
- 18 double chair (two-seater chair) with coupling
- 19 gondola cableway, an endless cableway
- 20 gondola (cabin)
- 21 endless cable, a suspension (supporting) and haulage cable
- 22 U-rail
- 23 single-pylon support
- 24 gantry support
- 25 double-cable ropeway (double-cable suspension line), a suspension line with balancing cabins
- 26 haulage cable
- 27 suspension cable (supporting cable)
- 28 cabin
- 29 intermediate support
- 30 cableway (ropeway, suspension line), a double-cable ropeway (double-cable suspension line)
- 31 pylon
- 32 haulage cable roller
- 33 cable guide rail (suspension cable bearing)
- 34 skip, a tipping bucket (*Am. dumping bucket*)
- 35 stop
- 36 pulley cradle

- 37 haulage cable
- 38 suspension cable (supporting cable)
- 39 valley station (lower station)
- 40 tension weight shaft
- 41 tension weight for the suspension cable (supporting cable)
- 42 tension weight for the haulage cable
- 43 tension cable pulley
- 44 suspension cable (supporting cable)
- 45 haulage cable
- 46 balance cable (lower cable)
- 47 auxiliary cable (emergency cable)
- 48 auxiliary-cable tensioning mechanism (emergency-cable tensioning mechanism)
- 49 haulage cable rollers
- 50 spring buffer (*Am. spring bumper*)
- 51 valley station platform (lower station platform)
- 52 cabin (cableway gondola, ropeway gondola, suspension line gondola), a large-capacity cabin
- 53 pulley cradle
- 54 suspension gear
- 55 stabilizer
- 56 guide rail
- 57 top station (upper station)
- 58 suspension cable guide (supporting cable guide)
- 59 suspension cable anchorage (supporting cable anchorage)
- 60 haulage cable rollers
- 61 haulage cable guide wheel
- 62 haulage cable driving pulley
- 63 main drive
- 64 standby drive
- 65 control room
- 66 cabin pulley cradle
- 67 main pulley cradle
- 68 double cradle
- 69 two-wheel cradle
- 70 running wheels
- 71 suspension cable brake (supporting cable brake), an emergency brake in case of haulage cable failure
- 72 suspension gear bolt
- 73 haulage cable sleeve
- 74 balance cable sleeve (lower cable sleeve)
- 75 derailment guard
- 76 cable supports (ropeway supports, suspension line supports, intermediate supports)
- 77 pylon, a framework support
- 78 tubular steel pylon, a tubular steel support
- 79 suspension cable guide rail (supporting cable guide rail, support guide rail)
- 80 support truss, a frame for work on the cable
- 81 base of the support



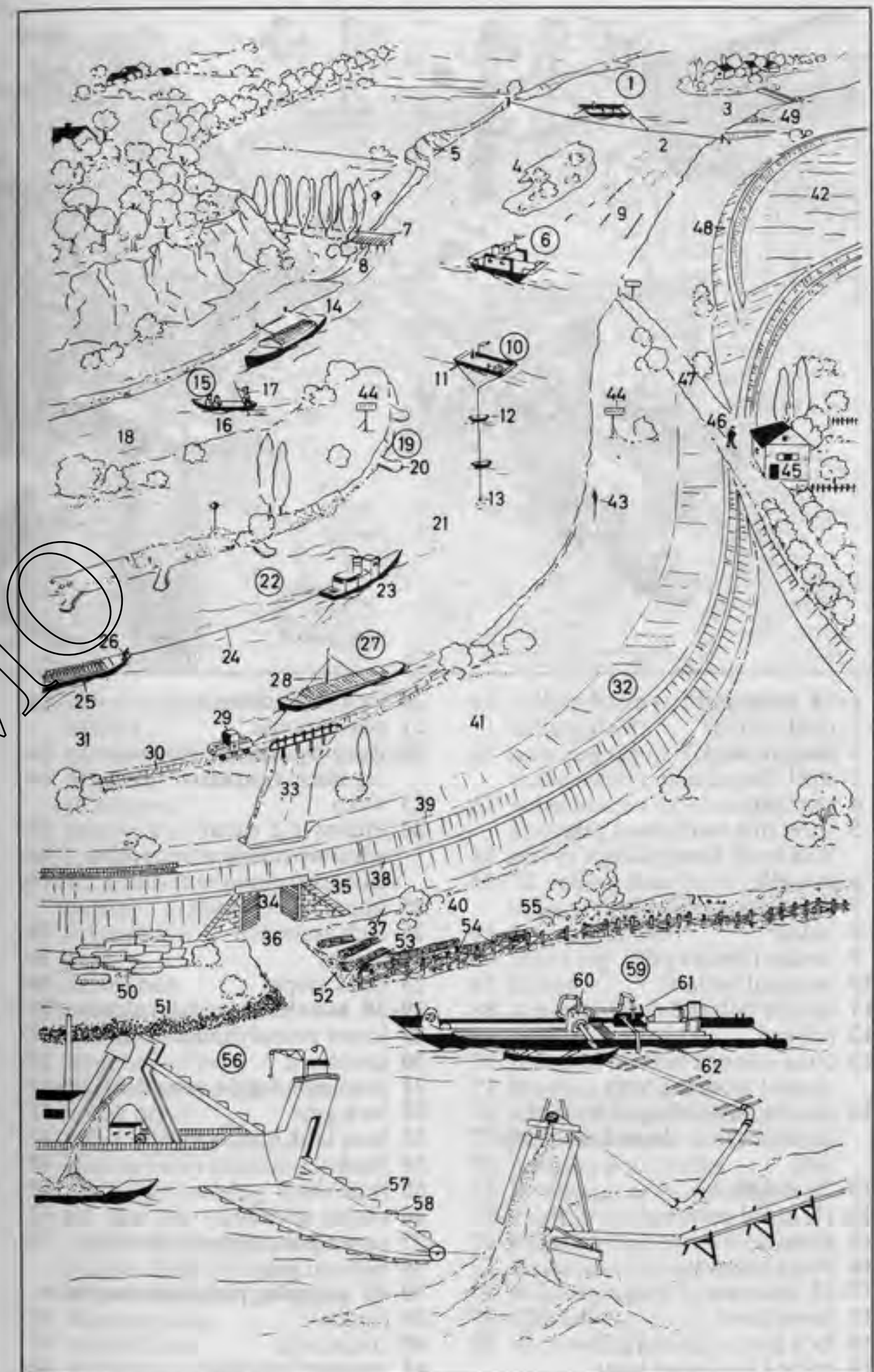
- 1 cross-section of a bridge
- 2 orthotropic roadway (orthotropic deck)
- 3 truss (bracing)
- 4 diagonal brace (diagonal strut)
- 5 hollow tubular section
- 6 deck slab
- 7 solid-web girder bridge (beam bridge)
- 8 road surface
- 9 top flange
- 10 bottom flange
- 11 fixed bearing
- 12 movable bearing
- 13 clear span
- 14 span
- 15 rope bridge (primitive suspension bridge)
- 16 carrying rope
- 17 suspension rope
- 18 woven deck (woven decking)
- 19 stone arch bridge, a solid bridge
- 20 arch
- 21 pier
- 22 statue
- 23 trussed arch bridge
- 24 truss element
- 25 trussed arch
- 26 arch span
- 27 abutment (end pier)
- 28 spandrel-braced arch bridge
- 29 abutment (abutment pier)
- 30 bridge strut
- 31 crown
- 32 covered bridge of the Middle Ages (the *Ponte Vecchio* in Florence)
- 33 goldsmiths' shops
- 34 steel lattice bridge
- 35 counterbrace (crossbrace, diagonal member)
- 36 vertical member
- 37 truss joint
- 38 portal frame
- 39 suspension bridge
- 40 suspension cable
- 41 suspender (hanger)
- 42 tower
- 43 suspension cable anchorage
- 44 tied beam [with roadway]
- 45 abutment
- 46 cable-stayed bridge
- 47 inclined tension cable

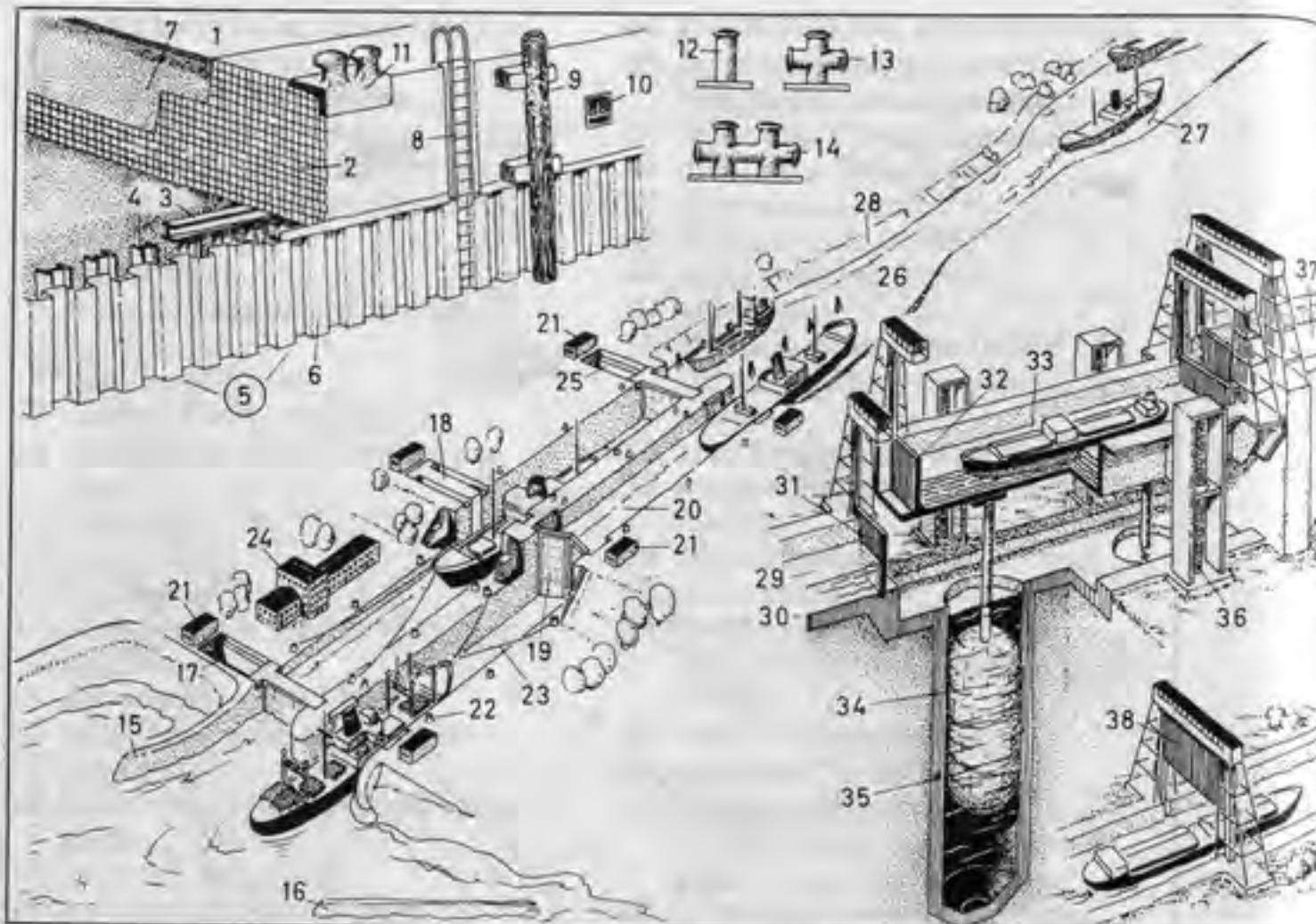
- 48 inclined cable anchorage
- 49 reinforced concrete bridge
- 50 reinforced concrete arch
- 51 inclined cable system (multiple cable system)
- 52 flat bridge, a plate girder bridge
- 53 stiffener
- 54 pier
- 55 bridge bearing
- 56 cutwater
- 57 straits bridge, a bridge built of precast elements
- 58 precast construction unit
- 59 viaduct
- 60 valley bottom
- 61 reinforced concrete pier
- 62 scaffolding
- 63 lattice swing bridge
- 64 turntable
- 65 pivot pier
- 66 pivoting half (pivoting section, pivoting span, movable half) of bridge
- 67 flat swing bridge
- 68 middle section
- 69 pivot
- 70 parapet (handrailing)



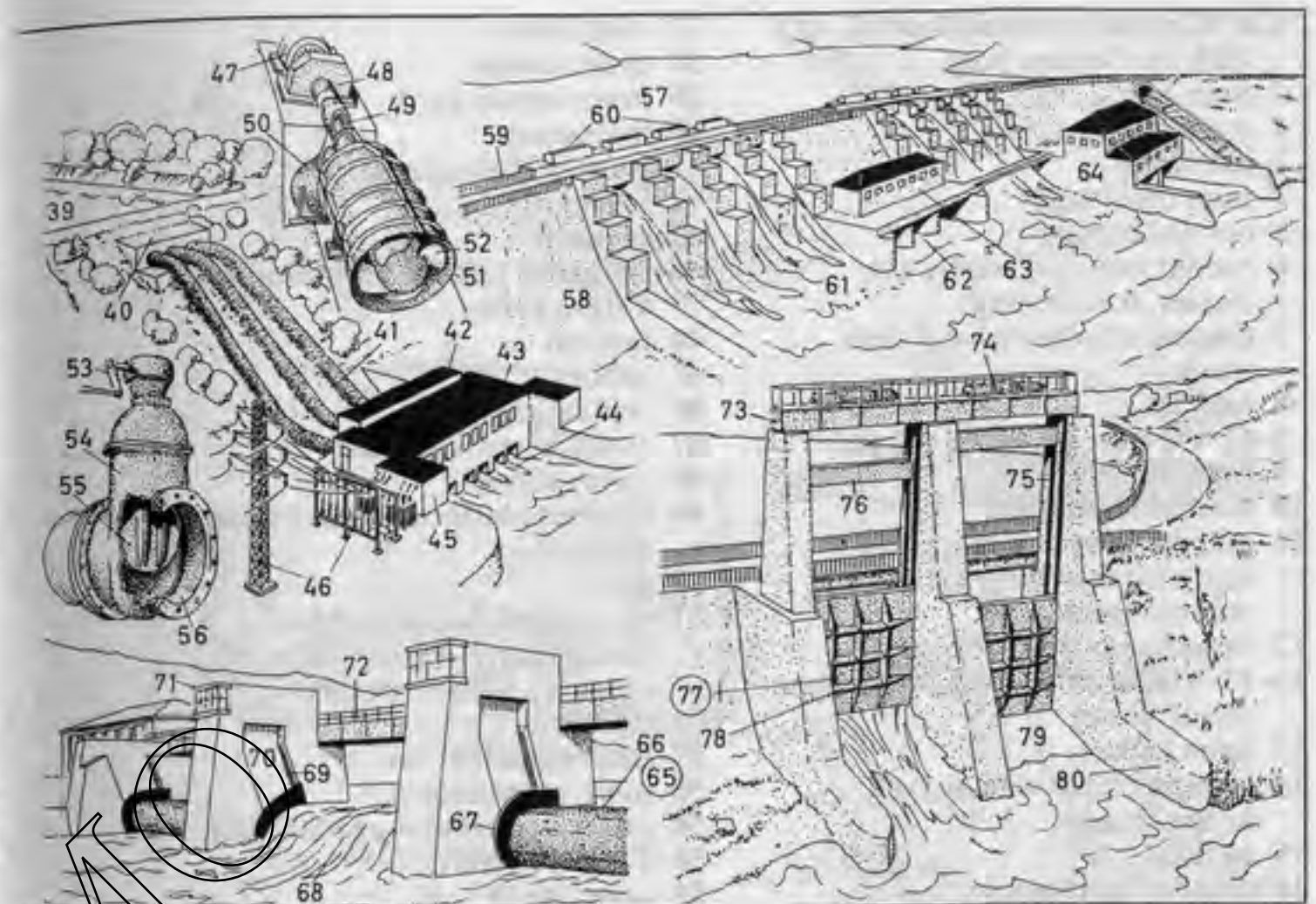
- 1 cable ferry (also: chain ferry), a passenger ferry
- 2 ferry rope (ferry cable)
- 3 river branch (river arm)
- 4 river island (river islet)
- 5 collapsed section of riverbank, flood damage
- 6 motor ferry
- 7 ferry landing stage (motorboat landing stage)
- 8 pile foundations
- 9 current (flow, course)
- 10 flying ferry (river ferry), a car ferry
- 11 ferry boat
- 12 buoy (float)
- 13 anchorage
- 14 harbour (*Am.* harbor) for laying up river craft
- 15 ferry boat (punt)
- 16 pole (punt pole, quant pole)
- 17 ferryman
- 18 blind river branch (blind river arm)
- 19 groyne (*Am.* groin)
- 20 groyne (*Am.* groin) head
- 21 fairway (navigable part of river)
- 22 train of barges
- 23 river tug
- 24 tow rope (tow line, towing hawser)
- 25 barge (freight barge, cargo barge, lighter)
- 26 bargeman (bargee, lighterman)
- 27 towing (hauling, haulage)
- 28 towing mast
- 29 towing engine
- 30 towing track; *form.*: tow path (towing path)
- 31 river after river training
- 32 dike (dyke, main dike, flood wall, winter dike)
- 33 drainage ditch
- 34 dike (dyke) drainage sluice
- 35 wing wall
- 36 outfall
- 37 drain (infiltration drain)
- 38 berm (berme)
- 39 top of dike (dyke)
- 40 dike (dyke) batter (dike slope)
- 41 flood bed (inundation area)
- 42 flood containment area
- 43 current meter

- 44 kilometre (*Am.* kilometer) sign
- 45 dikereeve's (dykereeve's) house (dikereeve's cottage); also: ferryman's house (cottage)
- 46 dikereeve (dykereeve)
- 47 dike (dyke) ramp
- 48 summer dike (dyke)
- 49 levee (embankment)
- 50 sandbags
- 51-55 bank protection (bank stabilization, revetment)
- 51 riprap
- 52 alluvial deposit (sand deposit)
- 53 fascine (bundle of wooden sticks)
- 54 wicker fences
- 55 stone pitching
- 56 floating dredging machine (dredger), a multi-bucket ladder dredge
- 57 bucket elevator chain
- 58 dredging bucket
- 59 suction dredger (hydraulic dredger) with trailing suction pipe or barge sucker
- 60 centrifugal pump
- 61 back scouring valve
- 62 suction pump, a jet pump with scouring nozzles





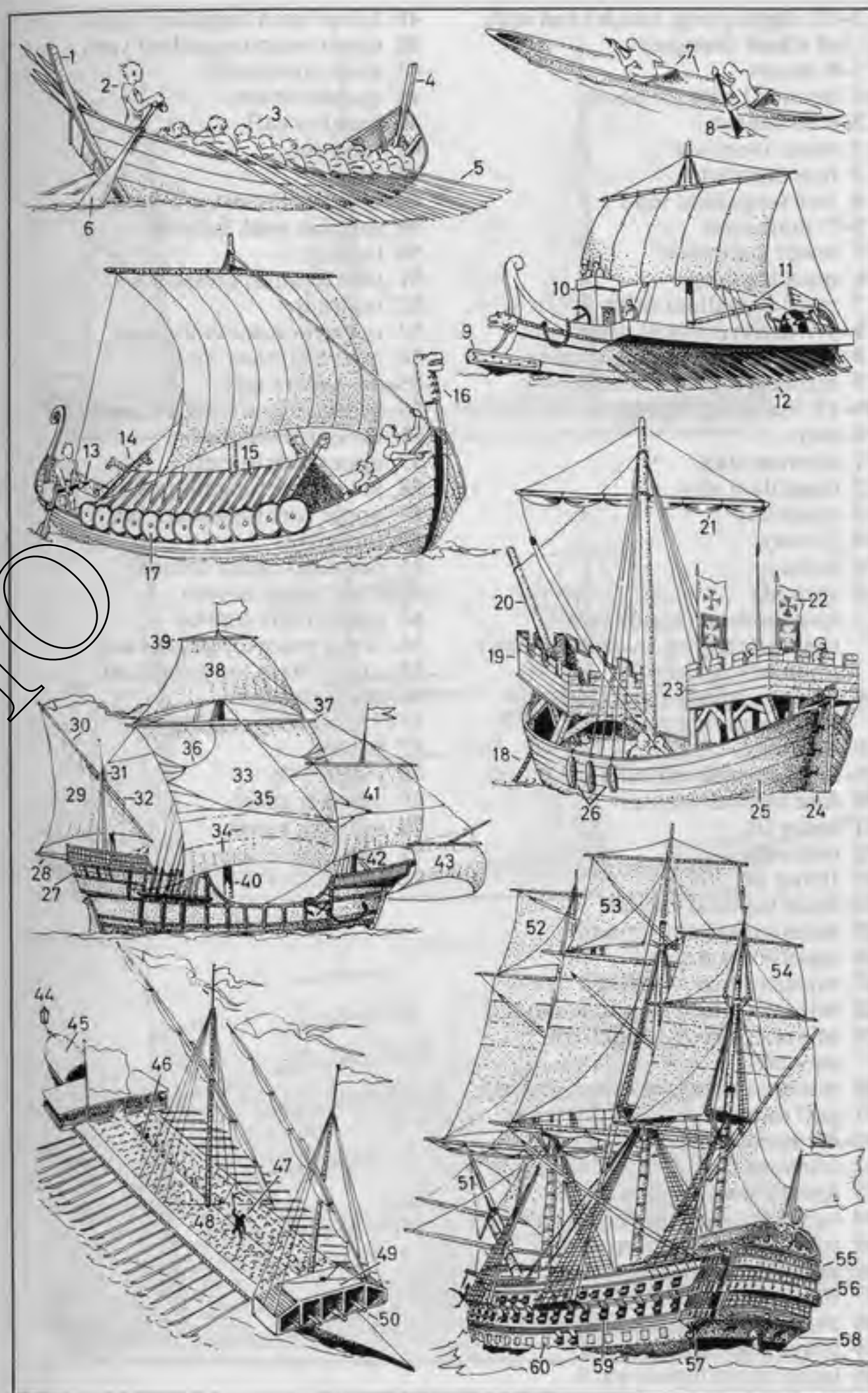
- 1-14 quay wall**
- 1 road surface
- 2 body of wall
- 3 steel sleeper
- 4 steel pile
- 5 sheet pile wall (sheet pile bulkhead, sheetpiling)
- 6 box pile
- 7 backfilling (filling)
- 8 ladder
- 9 fender (fender pile)
- 10 recessed bollard
- 11 double bollard
- 12 bollard
- 13 cross-shaped bollard (cross-shaped mooring bitt)
- 14 double cross-shaped bollard (double cross-shaped mooring bitt)
- 15-28 canal**
- 15-16 canal entrance
- 15 mole
- 16 breakwater
- 17-25 staircase of locks
- 17 lower level
- 18 lock gate, a sliding gate
- 19 mitre (*Am.* miter) gate
- 20 lock (lock chamber)
- 21 power house
- 22 warping capstan (hauling capstan), a capstan
- 23 warp
- 24 offices (e.g. canal administration, river police, customs)
- 25 upper level (head)
- 26 lock approach
- 27 lay-by
- 28 bank slope
- 29-38 boat lift (*Am.* boat elevator)**
- 29 lower pound (lower reach)
- 30 canal bed
- 31 pound lock gate, a vertical gate
- 32 lock gate
- 33 boat tank (caisson)
- 34 float
- 35 float shaft
- 36 lifting spindle
- 37 upper pound (upper reach)
- 38 vertical gate
- 39-46 pumping plant and reservoir**
- 39 forebay
- 40 surge tank
- 41 pressure pipeline



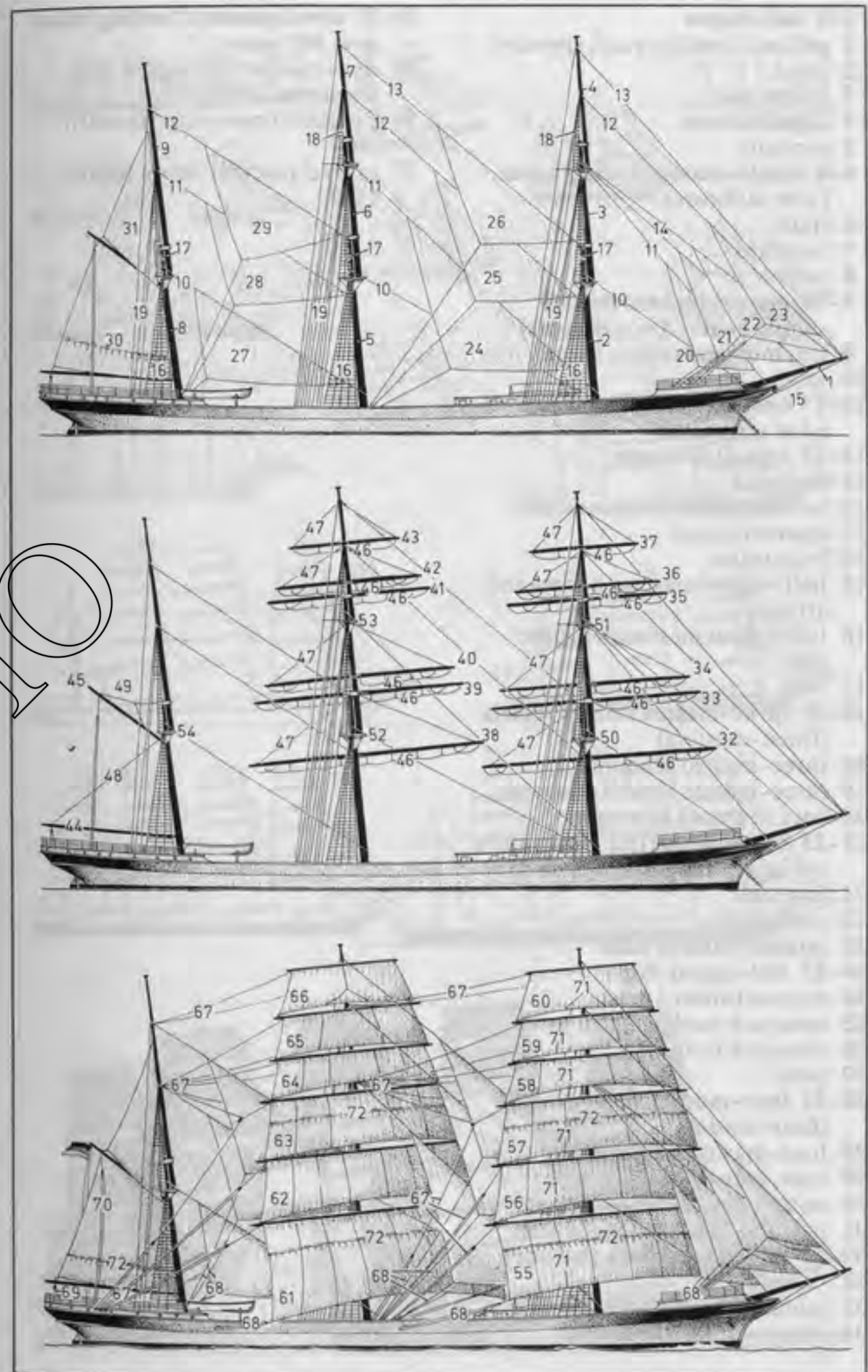
- 42 valve house (valve control house)
- 43 turbine house (pumping station)
- 44 discharge structure (outlet structure)
- 45 control station
- 46 transformer station
- 47-52 axial-flow pump (propeller pump)**
- 47 drive motor
- 48 gear
- 49 drive shaft
- 50 pressure pipe
- 51 suction head
- 52 impeller wheel
- 53-56 sluice valve (sluice gate)**
- 53 crank drive
- 54 valve housing
- 55 sliding valve (sliding gate)
- 56 discharge opening
- 57-64 dam (barrage)**
- 57 reservoir (storage reservoir, impounding reservoir, impounded reservoir)
- 58 masonry dam
- 59 crest of dam
- 60 spillway (overflow spillway)
- 61 stilling basin (stilling box, stilling pool)
- 62 scouring tunnel (outlet tunnel, waste water outlet)
- 63 valve house (valve control house)
- 64 power station
- 65-72 rolling dam (weir), a barrage; other system: shutter weir**
- 65 roller, a barrier
- 66 roller top
- 67 flange
- 68 submersible roller
- 69 rack track
- 70 recess
- 71 hoisting gear cabin
- 72 service bridge (walkway)
- 73-80 sluice dam**
- 73 hoisting gear bridge
- 74 hoisting gear (winding gear)
- 75 guide groove
- 76 counterweight (counterpoise)
- 77 sluice gate (floodgate)
- 78 reinforcing rib
- 79 dam sill (weir sill)
- 80 wing wall

- 1-6 Germanic rowing boat [ca. AD 400], the Nydam boat
- 1 stern post
- 2 steersman
- 3 oarsman
- 4 stem post (stem)
- 5 oar, for rowing
- 6 rudder (steering oar), a side rudder, for steering
- 7 dugout, a hollowed-out tree trunk
- 8 paddle
- 9-12 trireme, a Roman warship
- 9 ram
- 10 forecastle (fo'c'sle)
- 11 grapple (grapnel, grappling iron), for fastening the enemy ship alongside
- 12 three banks (tiers) of oars
- 13-17 Viking ship (longship, dragon ship) [Norse]
- 13 helm (tiller)
- 14 awning crutch with carved horses' heads
- 15 awning
- 16 dragon figurehead
- 17 shield
- 18-26 cog (Hansa cog, Hansa ship)
- 18 anchor cable (anchor rope, anchor hawser)
- 19 forecastle (fo'c'sle)
- 20 bowsprit
- 21 furled (brailed-up) square sail
- 22 town banner (city banner)
- 23 aftercastle (sterncastle)
- 24 rudder, a stem rudder
- 25 elliptical stern (round stern)
- 26 wooden fender
- 27-43 caravel (carvel) ['Santa Maria' 1492]
- 27 admiral's cabin
- 28 spanker boom
- 29 mizzen (mizen, mutton spanker, lateen spanker), a lateen sail
- 30 lateen yard
- 31 mizzen (mizen) mast
- 32 lashing
- 33 mainsail (main course), a square sail
- 34 bonnet, a removable strip of canvas
- 35 bowline
- 36 bunt line (martinet)

- 37 main yard
- 38 main topsail
- 39 main topsail yard
- 40 mainmast
- 41 foresail (fore course)
- 42 foremast
- 43 spritsail
- 44-50 galley [15th to 18th century], a slave galley
- 44 lantern
- 45 cabin
- 46 central gangway
- 47 slave driver with whip
- 48 galley slaves
- 49 covered platform in the forepart of the ship
- 50 gun
- 51-60 ship of the line (line-of-battle ship) [18th to 19th century], a three-decker
- 51 jib boom
- 52 fore topgallant sail
- 53 main topgallant sail
- 54 mizzen (mizen) topgallant sail
- 55-57 gilded stern
- 55 upper stern
- 56 stern gallery
- 57 quarter gallery, a projecting balcony with ornamental portholes
- 58 lower stern
- 59 gunports for broadside fire
- 60 gunport shutter

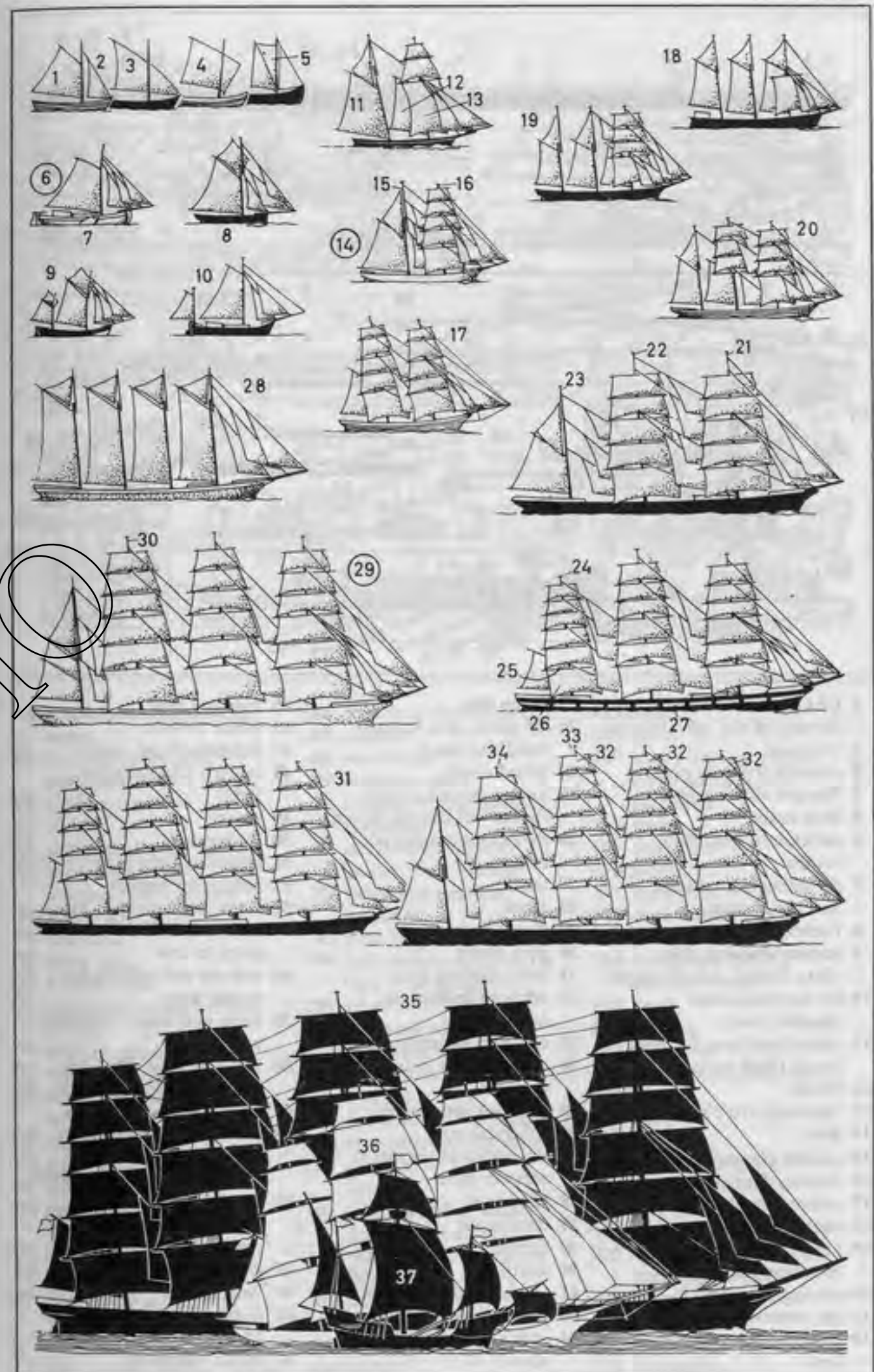


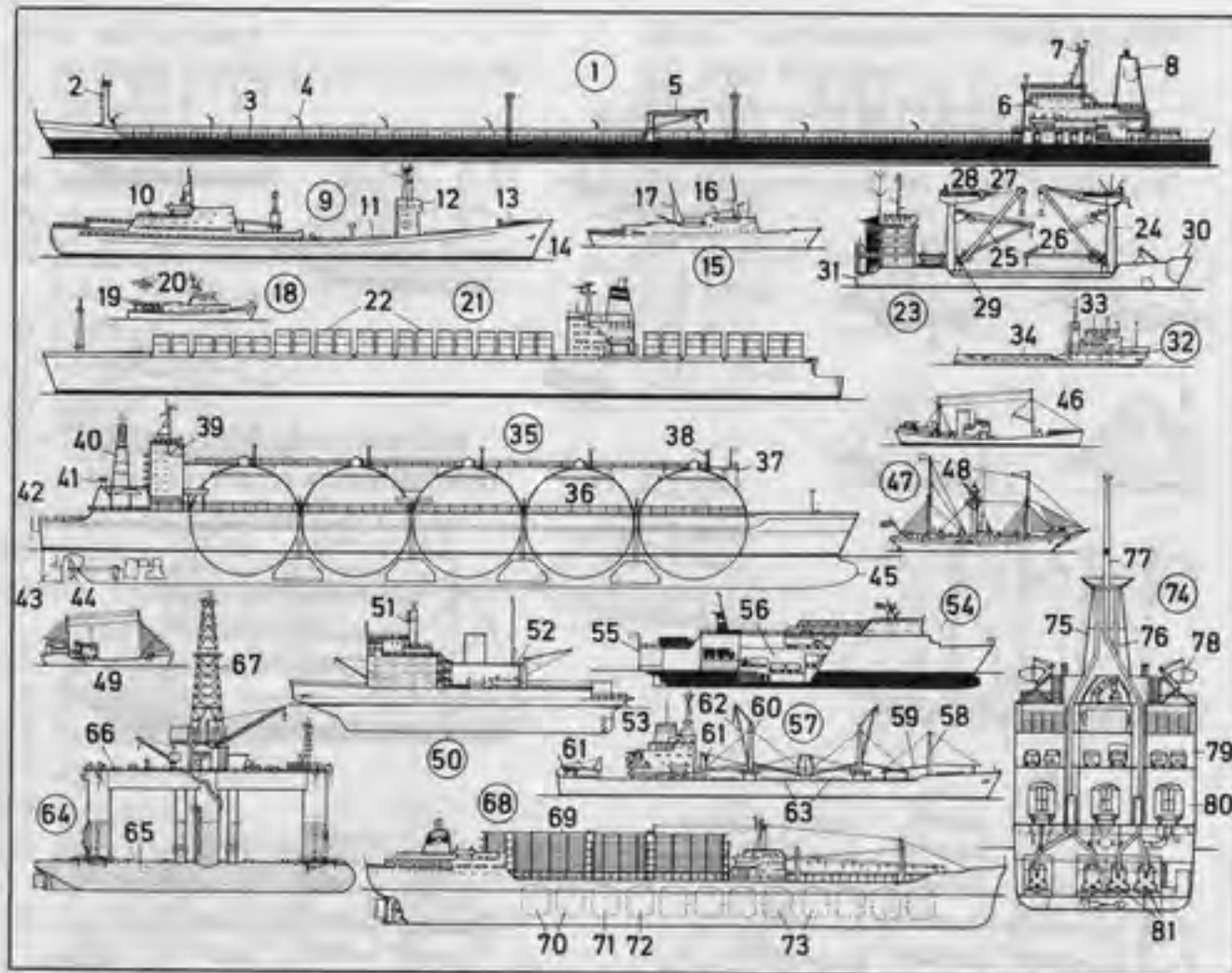
- 1-72 rigging (rig, tackle) and sails of a bark (barque)**
- 1-9 masts**
- 1 bowsprit with jib boom
2-4 foremast
2 lower foremast
3 fore topmast
4 fore topgallant mast
5-7 mainmast
5 lower mainmast
6 main topmast
7 main topgallant mast
8-9 mizzen (mizen) mast
8 lower mizzen (lower mizen)
9 mizzen (mizen) topmast
- 10-19 standing rigging**
- 10 stay
11 topmast stay
12 topgallant stay
13 royal stay
14 jib stay
15 bobstay
16 shrouds
17 fore topmast rigging (main topmast rigging, mizzen (mizen) topmast rigging)
18 fore topgallant rigging (main topgallant rigging)
19 backstays
- 20-31 fore-and-aft sails**
- 20 fore topmast staysail
21 inner jib
22 outer jib
23 flying jib
24 main topmast staysail
25 main topgallant staysail
26 main royal staysail
27 mizzen (mizen) staysail
28 mizzen (mizen) topmast staysail
29 mizzen (mizen) topgallant staysail
30 mizzen (mizen, spanker, driver)
31 gaff topsail
- 32-45 spars**
- 32 foreyard
33 lower fore topsail yard
34 upper fore topsail yard
35 lower fore topgallant yard
36 upper fore topgallant yard
37 fore royal yard
38 main yard
39 lower main topsail yard
40 upper main topsail yard
41 lower main topgallant yard
42 upper main topgallant yard
43 main royal yard
44 spanker boom
45 spanker gaff
46 footrope
47 lifts
48 spanker boom topping lift
49 spanker peak halyard
- 50 foretop**
- 51 fore topmast crosstrees**
- 52 maintop**
- 53 main topmast crosstrees**
- 54 mizzen (mizen) top**
- 55-66 square sails**
- 55 foresail (fore course)
56 lower fore topsail
57 upper fore topsail
58 lower fore topgallant sail
59 upper fore topgallant sail
60 fore royal
61 mainsail (main course)
62 lower main topsail
63 upper main topsail
64 lower main topgallant sail
65 upper main topgallant sail
66 main royal sail
- 67-71 running rigging**
- 67 braces
68 sheets
69 spanker sheet
70 spanker vang
71 bunt line
72 reef



- 1-5 sail shapes
 1 gaffsail (*small*: trysail, spencer)
 2 jib
 3 lateen sail
 4 lugsail
 5 spritsail
 6-8 single-masted sailing boats
 (*Am.* sailboats)
 6 tjalk
 7 leeboard
 8 cutter
 9-10 mizzen (mizen) masted sailing boats (*Am.* sailboats)
 9 ketch-rigged sailing barge
 10 yawl
 11-17 two-masted sailing boats
 (*Am.* sailboats)
 11 topsail schooner
 11 mainsail
 12 boom foresail
 13 square foresail
 14 brigantine
 15 half-rigged mast with fore-and-aft sails
 16 full-rigged mast with square sails
 17 brig
 18-27 three-masted sailing vessels
 (three-masters)
 18 three-masted schooner
 19 three-masted topsail schooner
 20 bark (barque) schooner
 21-23 bark (barque) [cf. illustration of rigging and sails in plate 219]
 21 foremast
 22 mainmast
 23 mizzen (mizen) mast
 24-27 full-rigged ship
 24 mizzen (mizen) mast
 25 crossjack yard (crojack yard)
 26 crossjack (crojack)
 27 ports
 28-31 four-masted sailing ships
 (four-masters)
 28 four-masted schooner
 29 four-masted bark (barque)
 30 mizzen (mizen) mast
 31 four-masted full-rigged ship
 32-34 five-masted bark (barque)
 32 skysail
 33 middle mast
 34 mizzen (mizen) mast

- 35-37 development of sailing ships
 over 400 years
 35 five-masted full-rigged ship
 'Preussen' 1902-10
 36 English clipper ship 'Spindrift'
 1867
 37 caravel (carvel) 'Santa Maria'
 1492

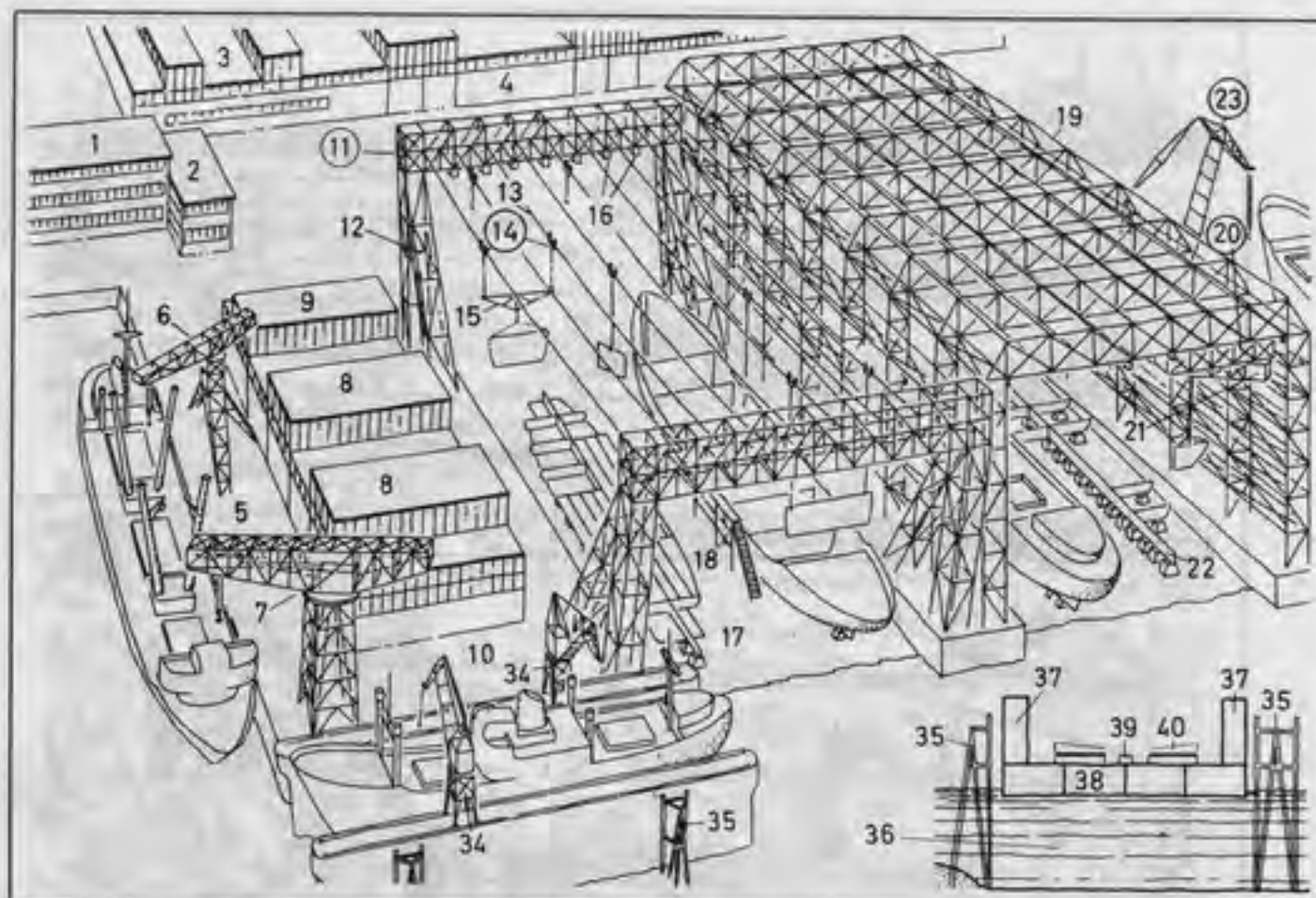




- 1 ULCC (ultra large crude carrier) of the 'all-aft' type
- 2 foremast
- 3 catwalk with the pipes
- 4 fire gun (fire nozzle)
- 5 deck crane
- 6 deckhouse with the bridge
- 7 aft signal (signalling) and radar mast
- 8 funnel
- 9 nuclear research ship 'Otto Hahn', a bulk carrier
- 10 aft superstructure (engine room)
- 11 cargo hatchway for bulk goods (bulk cargoes)
- 12 bridge
- 13 forecastle (fo'c'sle)
- 14 stem
- 15 seaside pleasure boat
- 16 dummy funnel
- 17 exhaust mast
- 18 rescue cruiser
- 19 helicopter platform (working deck)
- 20 rescue helicopter
- 21 all-container ship
- 22 containers stowed on deck
- 23 cargo ship
- 24-29 cargo gear (cargo handling gear)
- 24 bipod mast
- 25 jumbo derrick boom (heavy-lift derrick boom)
- 26 derrick boom (cargo boom)
- 27 tackle
- 28 block
- 29 thrust bearing
- 30 bow doors
- 31 stern loading door
- 32 offshore drilling rig supply vessel
- 33 compact superstructure with ramp
- 34 loading deck (working deck)
- 35 liquefied-gas tanker
- 36 spherical tank
- 37 navigational television receiver mast
- 38 vent mast
- 39 deckhouse
- 40 funnel
- 41 ventilator
- 42 transom stern (transom)
- 43 rudder blade (rudder)
- 44 ship's propeller (ship's screw)
- 45 bulbous bow
- 46 steam trawler
- 47 lightship (light vessel)
- 48 lantern (characteristic light)
- 49 smack
- 50 ice breaker
- 51 steaming light mast
- 52 helicopter hangar
- 53 stern towing point, for gripping the bow of ships in tow
- 54 roll-on-roll-off (ro-ro) trailer ferry
- 55 stern port (stern opening) with ramp
- 56 heavy vehicle lifts (Am. heavy vehicle elevators)
- 57 multi-purpose freighter
- 58 ventilator-type samson (samson) post (ventilator-type king post)
- 59 derrick boom (cargo boom, cargo gear, cargo-handling gear)
- 60 derrick mast
- 61 deck crane
- 62 jumbo derrick boom (heavy-lift derrick boom)
- 63 cargo hatchway
- 64 semisubmersible drilling vessel
- 65 floating vessel with machinery
- 66 drilling platform
- 67 derrick
- 68 cattleship (cattle vessel)
- 69 superstructure for transporting livestock
- 70 fresh water tanks
- 71 fuel tank
- 72 dung tank
- 73 fodder tanks
- 74 train ferry [cross section]
- 75 funnel
- 76 exhaust pipes
- 77 mast
- 78 ship's lifeboat hanging at the davit
- 79 car deck
- 80 main deck (train deck)
- 81 main engines



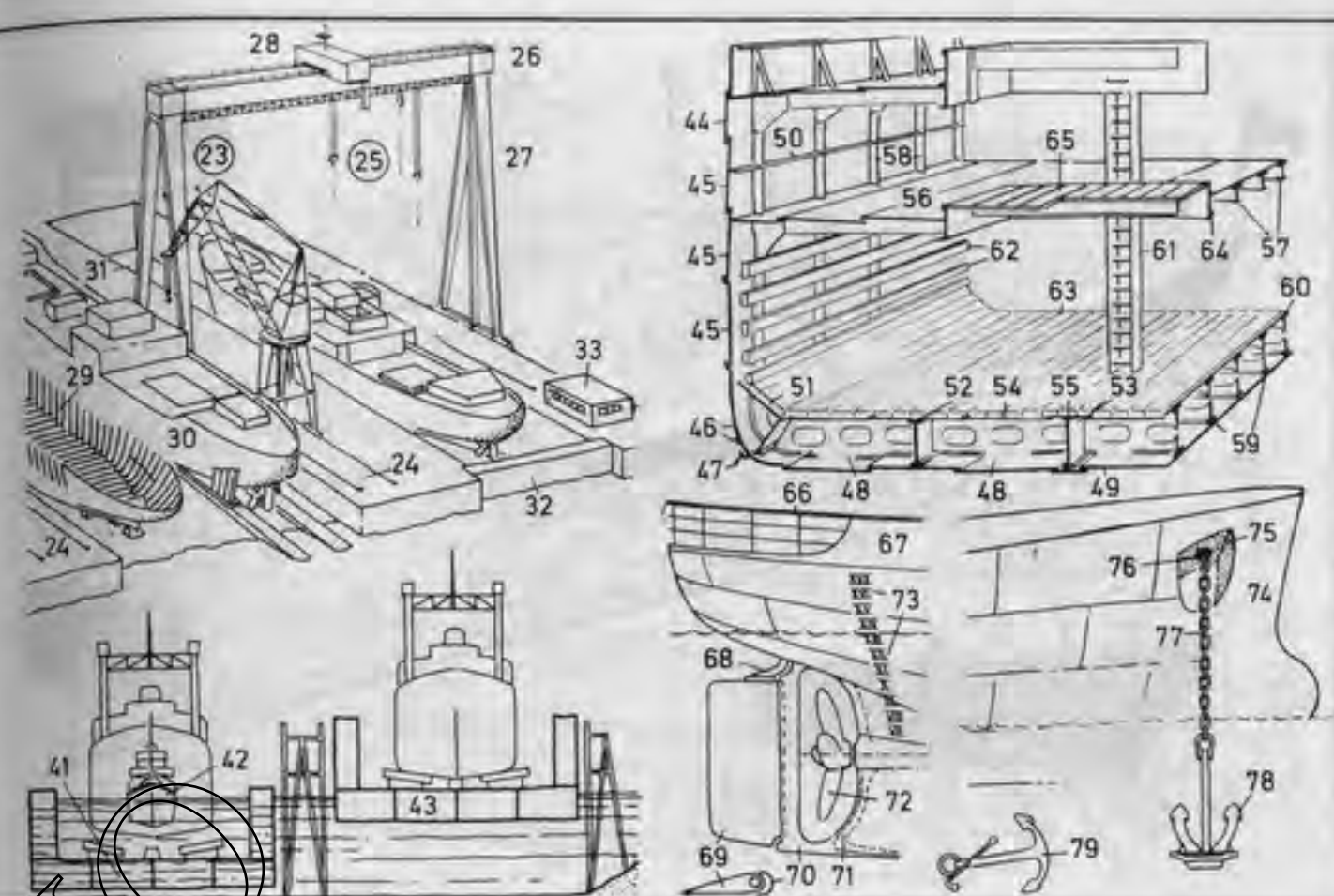
- 82 passenger liner (liner, ocean liner)
- 83 stem
- 84 funnel with lattice casing
- 85 flag dressing (rainbow dressing, string of flags extending over mastheads, e.g., on the maiden voyage)
- 86 trawler, a factory ship
- 87 gallows
- 88 stern ramp
- 89 container ship
- 90 loading bridge (loading platform)
- 91 sea ladder (Jacob's ladder, rope ladder)
- 92 barge and push tug assembly
- 93 push tug
- 94 tug-pushed dumb barge (tug-pushed lighter)
- 95 pilot boat
- 96 combined cargo and passenger liner
- 97 passengers disembarking by boat
- 98 accommodation ladder
- 99 coaster (coasting vessel)
- 100 customs or police launch
- 101-128 excursion steamer (pleasure steamer)
- 101-106 lifeboat launching gear
- 101 davit
- 102 wire rope span
- 103 lifeline
- 104 tackle
- 105 block
- 106 fall
- 107 ship's lifeboat (ship's boat) covered with tarpaulin
- 108 stem
- 109 passenger
- 110 steward
- 111 deck-chair
- 112 deck hand
- 113 deck bucket
- 114 boatswain (bo's'n, bo'sun, bosun)
- 115 tunic
- 116 awning
- 117 stanchion
- 118 ridge rope (jackstay)
- 119 lashing
- 120 bulwark
- 121 guard rail
- 122 handrail (top rail)
- 123 companion ladder (companionway)
- 124 lifebelt (lifebuoy)
- 125 lifebuoy light (lifebelt light, signal light)
- 126 officer of the watch (watchkeeper)
- 127 reefer (Am. pea jacket)
- 128 binoculars



1-43 shipyard (shipbuilding yard, dockyard, *Am.* navy yard)

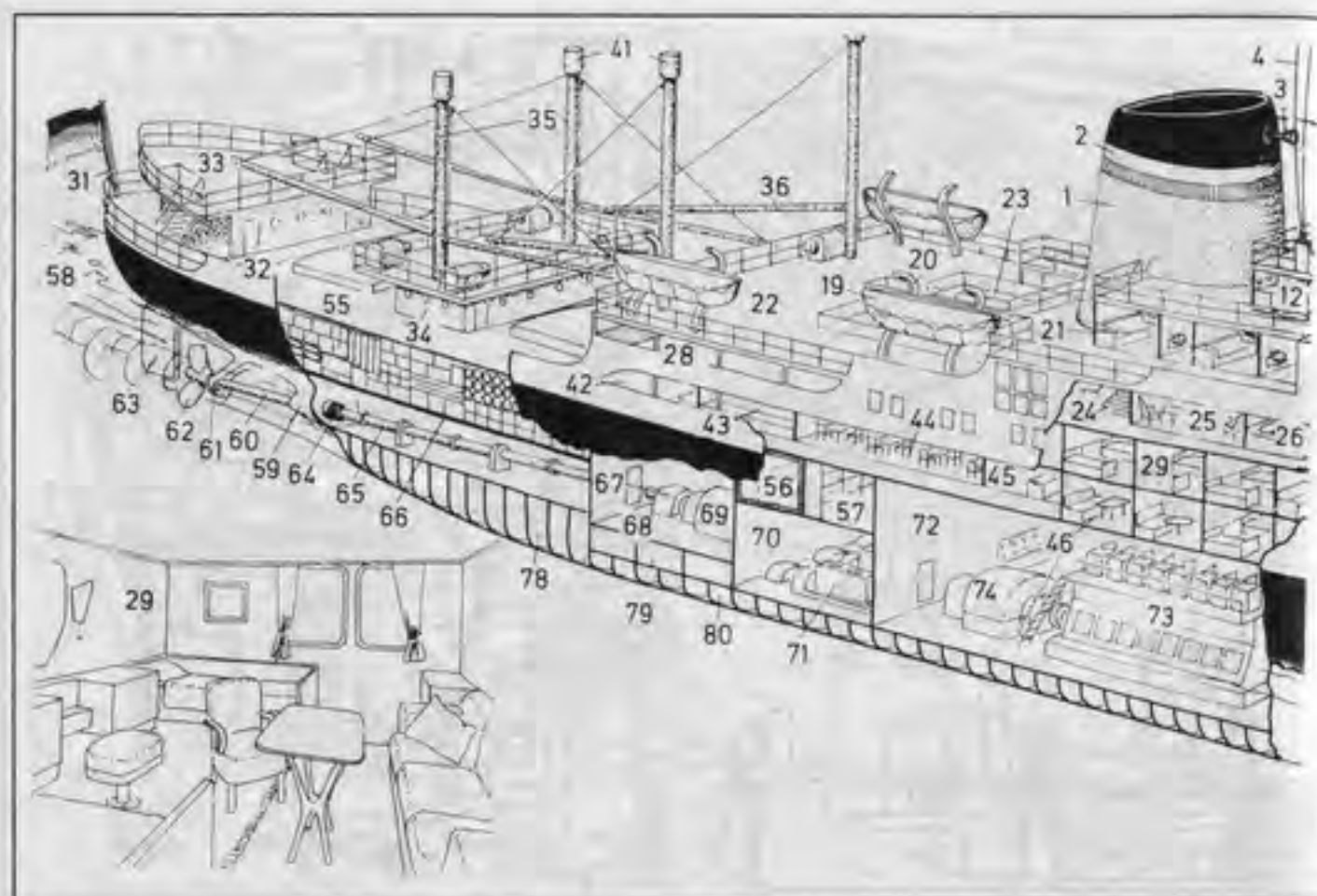
- 1 administrative offices
- 2 ship-drawing office
- 3-4 shipbuilding sheds
- 3 mould (*Am.* mold) loft
- 4 erection shop
- 5-9 fitting-out quay
- 5 quay
- 6 tripod crane
- 7 hammer-headed crane
- 8 engineering workshop
- 9 boiler shop
- 10 repair quay
- 11-26 slipways (slips, building berths, building slips, stocks)
- 11-18 cable crane berth, a slipway (building berth)
- 11 slipway portal
- 12 bridge support
- 13 crane cable
- 14 crab (jenny)
- 15 cross piece
- 16 crane driver's cabin (crane driver's cage)
- 17 slipway floor
- 18 staging, a scaffold

- 19-21 frame slipway
- 19 slipway frame
- 20 overhead travelling (*Am.* traveling) crane (gantry crane)
- 21 slewing crab
- 22 keel in position
- 23 luffing jib crane, a slipway crane
- 24 crane rails (crane track)
- 25 gantry crane
- 26 gantry (bridge)
- 27 trestles (supports)
- 28 crab (jenny)
- 29 hull frames in position
- 30 ship under construction
- 31-33 dry dock
- 31 dock floor (dock bottom)
- 32 dock gates (caisson)
- 33 pumping station (power house)
- 34-43 floating dock (pontoon dock)
- 34 dock crane (dockside crane), a jib crane
- 35 fender pile
- 36-43 working of docks
- 36 dock basin
- 37-38 dock structure
- 37 side tank (side wall)
- 38 bottom tank (bottom pontoon)
- 39 keel block



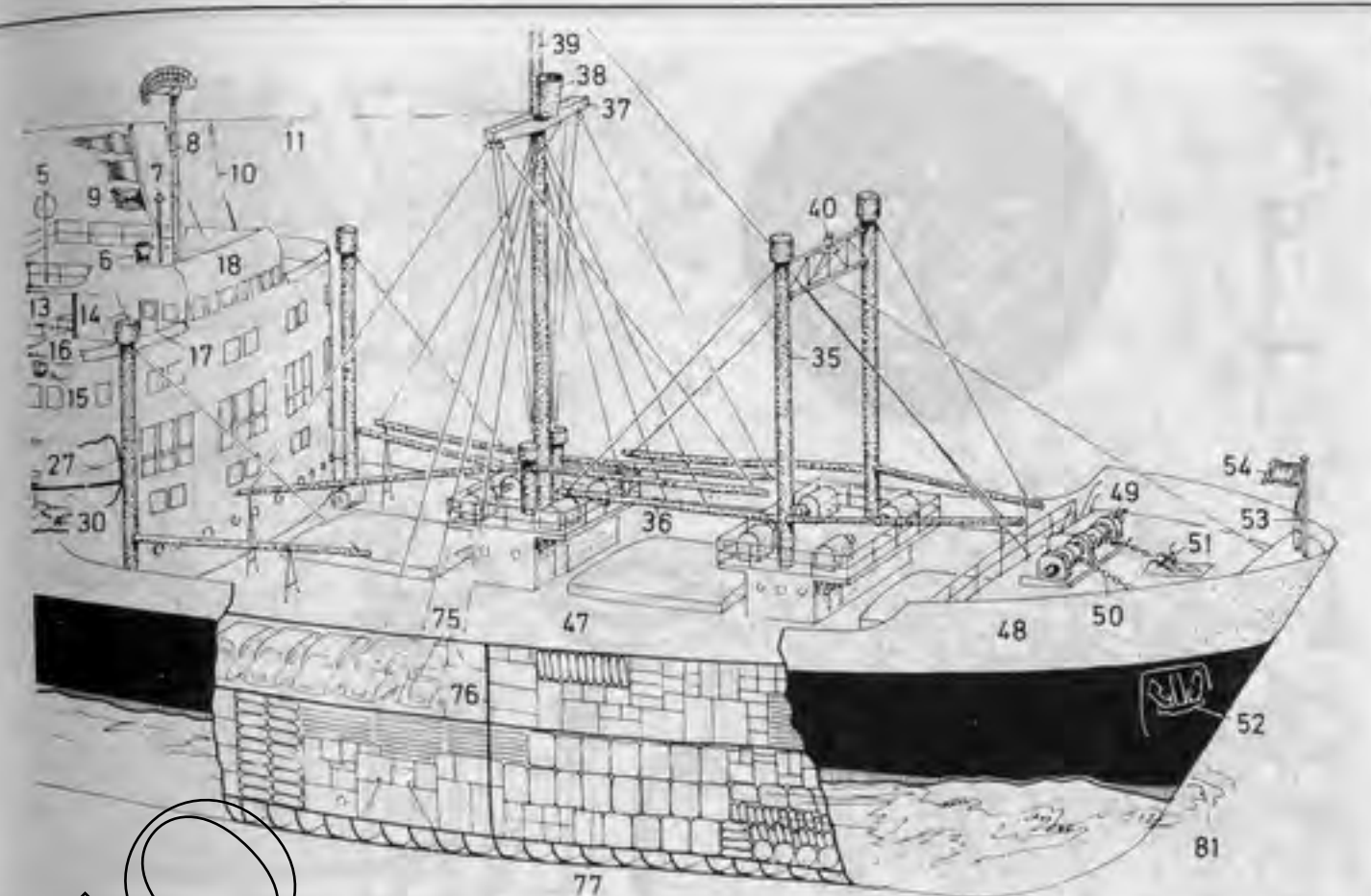
- 40 bilge block (bilge shore, side support)
- 41-43 docking a ship
- 41 flooded floating dock
- 42 tug towing the ship
- 43 emptied (pumped-out) dock
- 44-61 structural parts of the ship
- 44-56 longitudinal structure
- 44-49 shell (shell plating, skin)
- 44 sheer strake
- 45 side strake
- 46 bilge strake
- 47 bilge keel
- 48 bottom plating
- 49 flat plate keel (keel plate)
- 50 stringer (side stringer)
- 51 tank margin plate
- 52 longitudinal side girder
- 53 centre (*Am.* center) plate girder (centre girder, keelson, vertical keel)
- 54 tank top plating (tank top, inner bottom plating)
- 55 centre (*Am.* center) strake
- 56 deck plating
- 57 deck beam
- 58 frame (rib)
- 59 floor plate

- 60 cellular double bottom
- 61 hold pillar (pillar)
- 61, 63 dunnage
- 62 side battens (side ceiling, spar ceiling)
- 63 ceiling (floor ceiling)
- 64-65 hatchway
- 64 hatch coaming
- 65 hatch cover (hatchboard)
- 66-72 stern
- 66 guard rail
- 67 bulwark
- 68 rudder stock
- 69-70 Oertz rudder
- 69 rudder blade (rudder)
- 70-71 stern frame
- 70 rudder post
- 71 propeller post (screw post)
- 72 ship's propeller (ship's screw)
- 73 draught (draft) marks
- 74-79 bow
- 74 stem, a bulbous stem (bulbous bow)
- 75 hawse
- 76 hawse pipe
- 77 anchor cable (chain cable)
- 78 stockless anchor (patent anchor)
- 79 stocked anchor



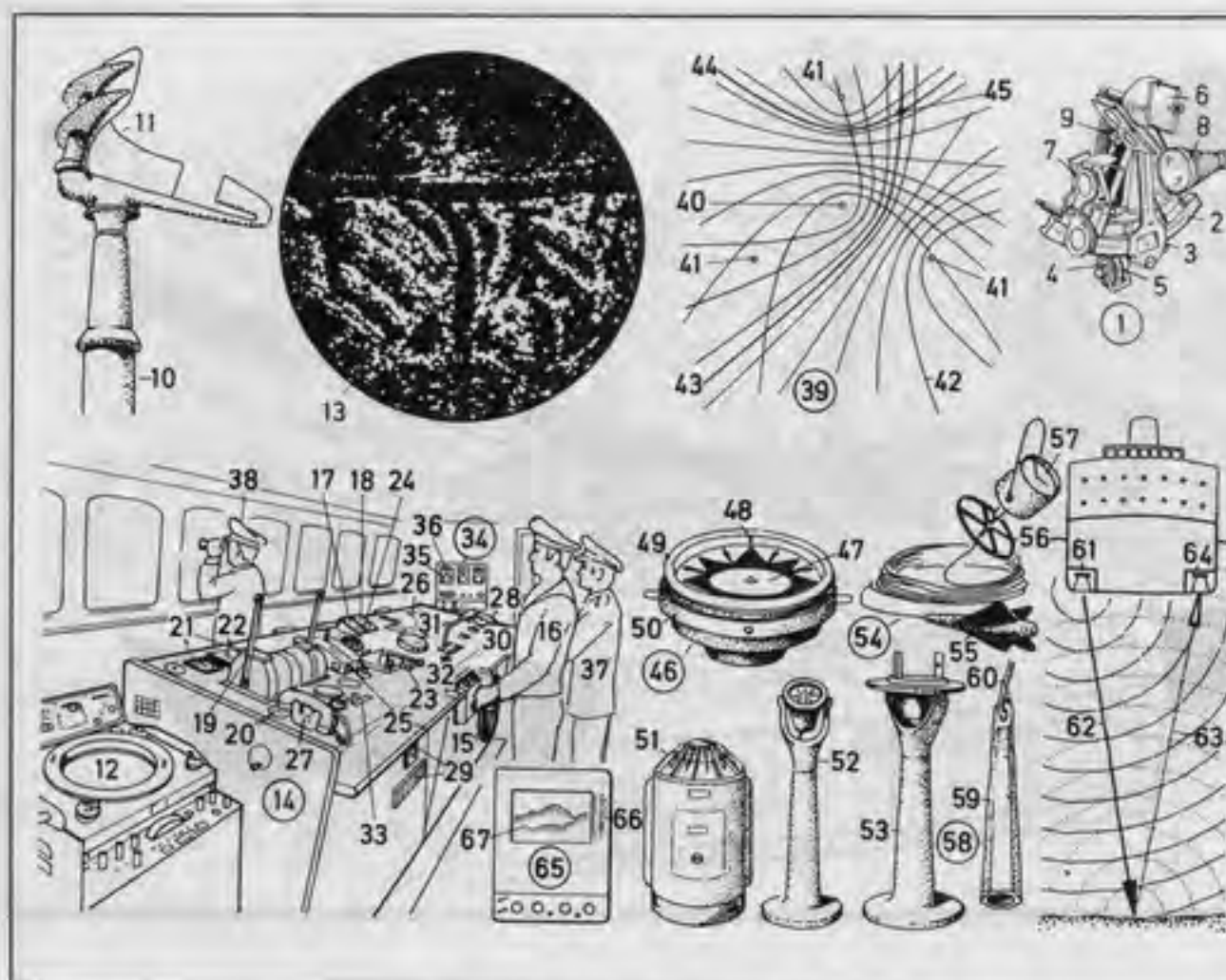
- 1-71 combined cargo and passenger ship [of the older type]**
- 1 funnel
 - 2 funnel marking
 - 3 siren (fog horn)
 - 4-11 compass platform** (compass bridge, compass flat, monkey bridge)
 - 4 antenna lead-in (antenna down-lead)
 - 5 radio direction finder (RDF) antenna (direction finder antenna, rotatable loop antenna, aural null loop antenna)
 - 6 magnetic compass (mariner's compass)
 - 7 morse lamp (signalling, *Am.* signaling, lamp)
 - 8 radar antenna (radar scanner)
 - 9 code flag signal
 - 10 code flag halyards
 - 11 triatic stay (signal stay)
 - 12-18 bridge deck** (bridge)
 - 12 radio room
 - 13 captain's cabin
 - 14 navigating bridge
 - 15 starboard sidelight [green; port sidelight red]

- 16 wing of bridge
- 17 shelter (weather cloth, dodger)
- 18 wheelhouse
- 19-21 boat deck**
- 19 ship's lifeboat
- 20 davit
- 21 officer's cabin
- 22-27 promenade deck**
- 22 sun deck (lido deck)
- 23 swimming pool
- 24 companion ladder (companionway)
- 25 library (ship's library)
- 26 lounge
- 27 promenade
- 28-30 A-deck**
- 28 semi-enclosed deck space
- 29 double-berth cabin, a cabin
- 30 de luxe cabin
- 31 ensign staff
- 32-42 B-deck** (main deck)
- 32 after deck
- 33 poop
- 34 deckhouse
- 35 samson (sampson) post (king post)
- 36 derrick boom (cargo boom)



- 37 crosstrees (spreader)
- 38 crow's nest
- 39 topmast
- 40 forward steaming light
- 41 ventilator lead
- 42 galley (caboose, cookroom, ship's kitchen)
- 43 ship's pantry
- 44 dining room
- 45 purser's office
- 46 single-berth cabin
- 47 foredeck
- 48 forecastle (fo'c'sle)
- 49-51 ground tackle**
- 49 windlass
- 50 anchor cable (chain cable)
- 51 compressor (chain compressor)
- 52 anchor
- 53 jackstaff
- 54 jack
- 55 after holds
- 56 cold storage room (insulated hold)
- 57 store room
- 58 wake
- 59 shell bossing (shaft bossing)
- 60 tail shaft (tail end shaft)

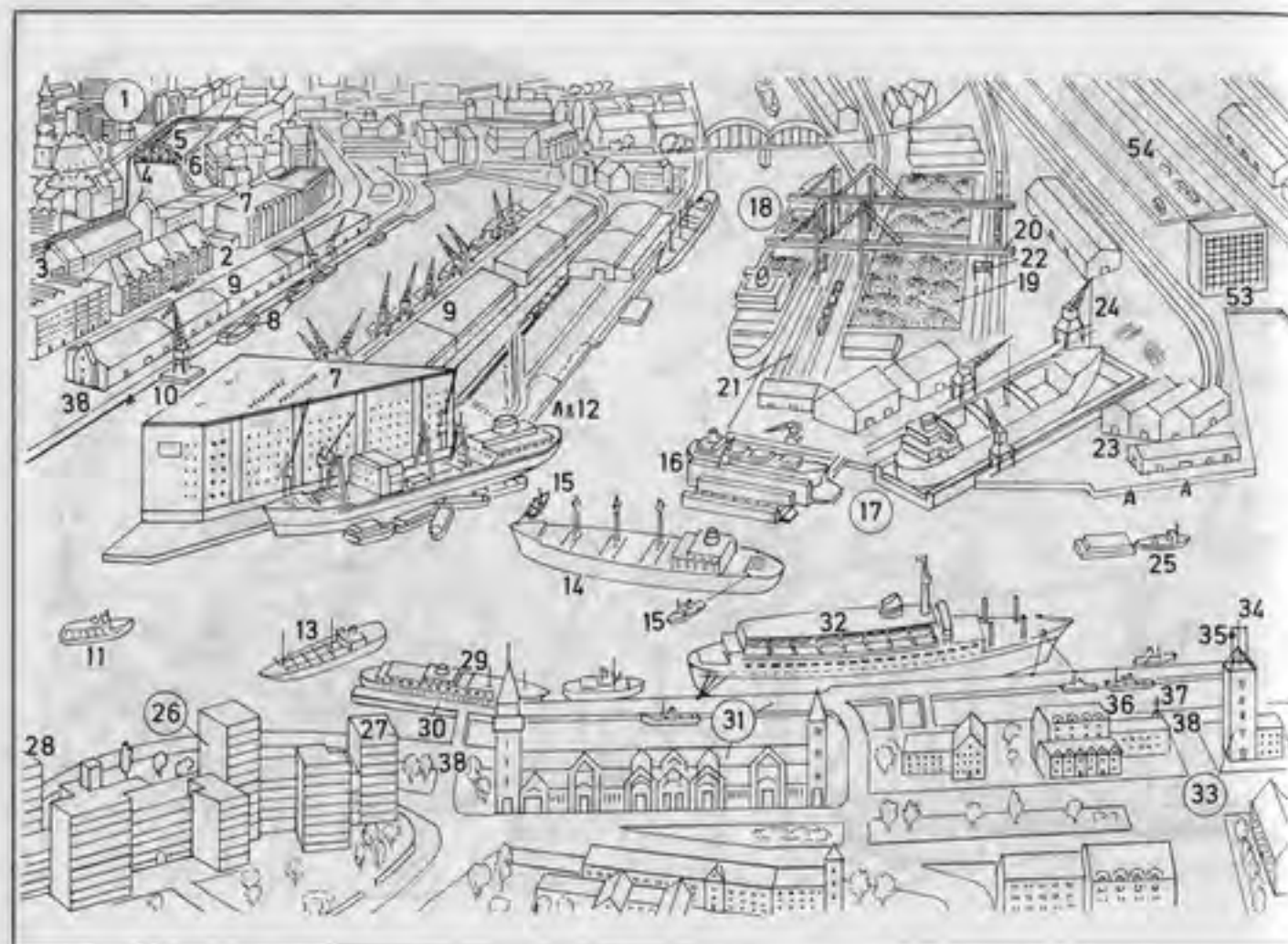
- 61 shaft strut (strut, spectacle frame, propeller strut, propeller bracket)
- 62 three-blade ship's propeller (ship's screw)
- 63 rudder blade (rudder)
- 64 stuffing box
- 65 propeller shaft
- 66 shaft alley (shaft tunnel)
- 67 thrust block
- 68-74 diesel-electric drive**
- 68 electric engine room
- 69 electric motor
- 70 auxiliary engine room
- 71 auxiliary engines
- 72 main engine room
- 73 main engine, a diesel engine
- 74 generator
- 75 forward holds
- 76 tween deck
- 77 cargo
- 78 ballast tank (deep tank) for water ballast
- 79 fresh water tank
- 80 fuel tank
- 81 bow wave



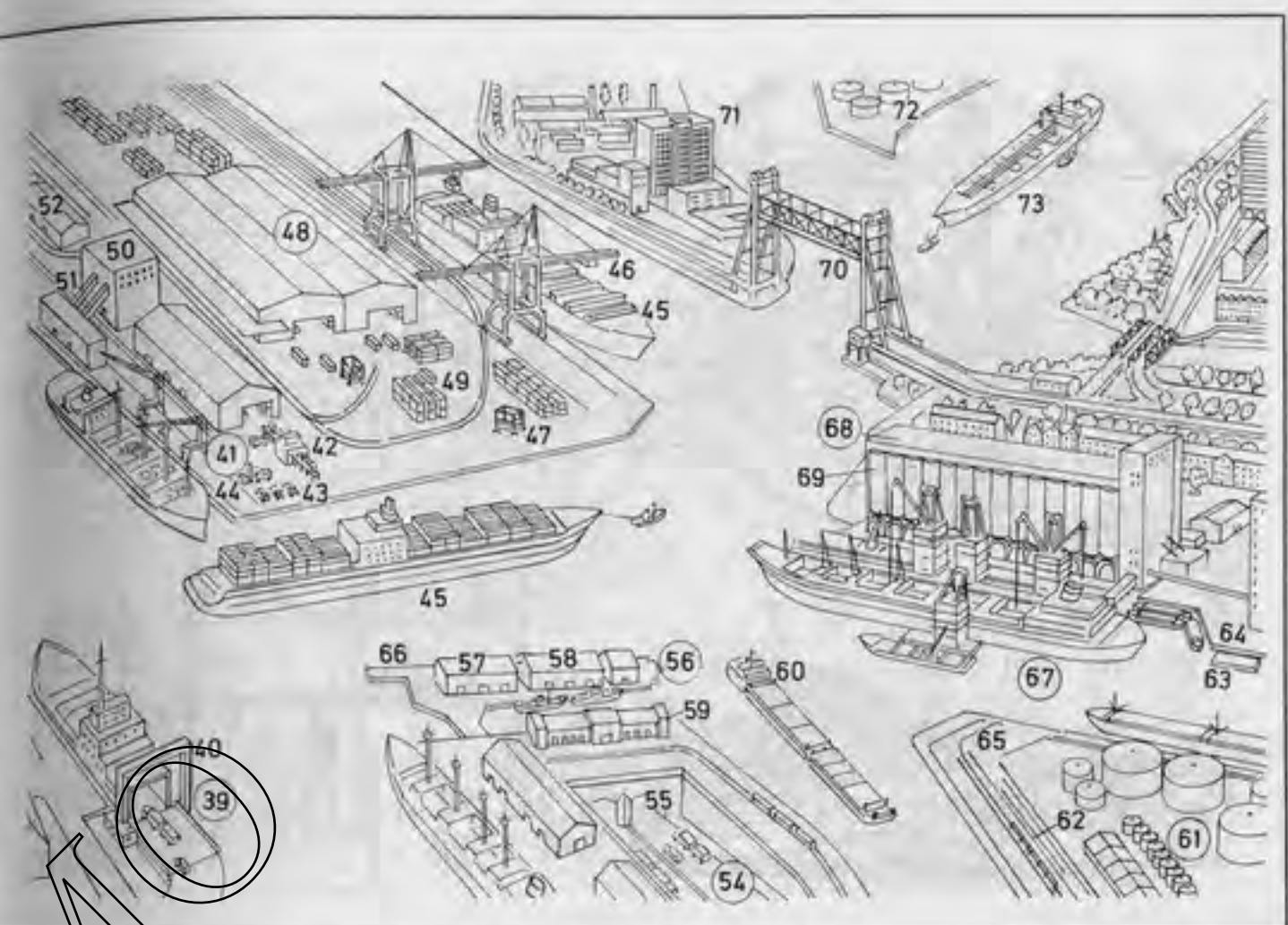
- | | | |
|--|---|--|
| 1 sextant | 20 propeller pitch indicator | 35 rough focusing indicator |
| 2 graduated arc | 21 main engine revolution indicator | 36 fine focusing indicator |
| 3 index bar (index arm) | 22 ship's speedometer (log) | 37 navigating officer |
| 4 decimal micrometer | 23 control switch for bow thruster (bow maneuvering, <i>Am.</i> maneuvering, propeller) | 38 captain |
| 5 vernier | 24 echo recorder (depth recorder, echograph) | 39 Decca navigation system |
| 6 index mirror | 25 engine telegraph (engine order telegraph) | 40 master station |
| 7 horizon glass (horizon mirror) | 26 controls for the anti-rolling system (for the stabilizers) | 41 slave station |
| 8 telescope | 27 local battery telephone | 42 null hyperbola |
| 9 grip (handgrip) | 28 shipping traffic radio telephone | 43 hyperbolic position line 1 |
| 10-13 radar equipment (radar apparatus) | 29 navigation light indicator panel (running light indicator panel) | 44 hyperbolic position line 2 |
| 10 radar pedestal | 30 microphone for ship's address system | 45 position (fix, ship fix) |
| 11 revolving radar reflector | 31 gyro compass (gyroscopic compass), a compass repeater | 46-53 compasses |
| 12 radar display unit (radar screen) | 32 control button for the ship's siren (ship's fog horn) | 46 liquid compass (fluid compass, spirit compass, wet compass), a magnetic compass |
| 13 radar image (radar picture) | 33 main engine overload indicator | 47 compass card |
| 14-38 wheelhouse | 34 detector indicator unit for fixing the ship's position | 48 lubber's line (lubber's mark, lubber's point) |
| 14 steering and control position | | 49 compass bowl |
| 15 ship's wheel for controlling the rudder mechanism | | 50 gimbal ring |
| 16 helmsman (<i>Am.</i> wheelsman) | | 51-53 gyro compass (gyroscopic compass, gyro compass unit) |
| 17 rudder angle indicator | | 51 master compass (master gyro compass) |
| 18 automatic pilot (autopilot) | | 52 compass repeater (gyro repeater) |
| 19 control lever for the variable-pitch propeller (reversible propeller, feathering propeller, feathering screw) | | 53 compass repeater with pelorus |
| | | 54 patent log (screw log, mechanical log, towing log, taffrail log, speedometer) |



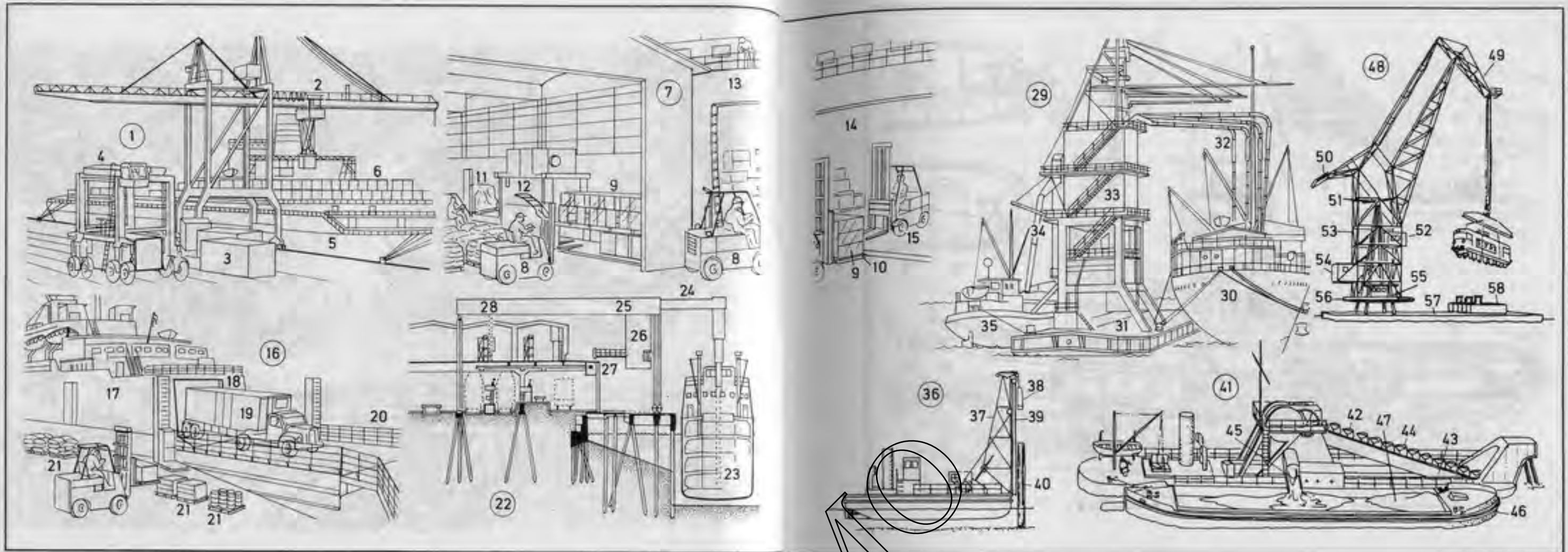
- | | | |
|---|--|---|
| 54 rotator | 74 light and bell buoy | 94 can buoy |
| 55 governor | 75 bell | 95 port hand buoys (port hand marks) [red] |
| 56 log clock | 76 conical buoy | 96 starboard hand buoys (starboard hand marks) [black] |
| 57-67 leads | 77 can buoy | 97 shoals (shallows, shallow water, <i>Am.</i> flats) outside the fairway |
| 58 hand lead | 78 topmark | 98 middle of the fairway (mid-channel) |
| 59 lead (lead sinker) | 79 spar buoy | 99 starboard markers (inverted broom) |
| 60 leadline | 80 topmark buoy | 100 port markers [upward-pointing broom] |
| 61-67 echo sounder (echo sounding machine) | 81 lightship (light vessel) | 101-102 range lights (leading lights) |
| 61 sound transmitter | 82 lantern mast (lantern tower) | 101 lower range light (lower leading light) |
| 62 sound wave (sound impulse) | 83 beam of light | 102 higher range light (higher leading light) |
| 63 echo (sound echo, echo signal) | 84-102 fairway markings (channel markings) | 103 lighthouse |
| 64 echo receiver (hydrophone) | 85 wreck to starboard | 104 radar antenna (radar scanner) |
| 65 echograph (echo sounding machine recorder) | 86 wreck to port | 105 lantern (characteristic light) |
| 66 depth scale | 87 shoals (shallows, shallow water, <i>Am.</i> flats) | 106 radio direction finder (RDF) antenna |
| 67 echogram (depth recording, depth reading) | 88 middle ground to port [beginning of the middle ground; topmark: red cylinder above red ball] | 107 machinery and observation platform (machinery and observation deck) |
| 68-108 sea marks (floating navigational marks) for buoyage and lighting systems | 89 division (bifurcation) | 108 living quarters |
| 68-83 fairway marks (channel marks) | 90 convergence (confluence) [end of the middle ground; topmark: red St. Antony's cross above red ball] | |
| 68 light and whistle buoy | 91 middle ground | |
| 69 light (warning light) | 92 main fairway (main navigable channel) | |
| 70 whistle | 93 secondary fairway (secondary navigable channel) | |
| 71 buoy | | |
| 72 mooring chain | | |
| 73 sinker (mooring sinker) | | |



- | | |
|--|---|
| 1 dock area | 21 quayside railway |
| 2 free port (foreign trade zone) | 22 weighing bunker |
| 3 free zone frontier (free zone enclosure) | 23 warehouse |
| 4 customs barrier | 24 quayside crane |
| 5 customs entrance | 25 launch and lighter |
| 6 port custom house | 26 port hospital |
| 7 entrepôt | 27 quarantine wing |
| 8 barge (dumb barge, lighter) | 28 Institute of Tropical Medicine |
| 9 break-bulk cargo transit shed (general cargo transit shed, package cargo transit shed) | 29 excursion steamer (pleasure steamer) |
| 10 floating crane | 30 jetty |
| 11 harbour (Am. harbor) ferry (ferryboat) | 31 passenger terminal |
| 12 fender (dolphin) | 32 liner (passenger liner, ocean liner) |
| 13 bunkering boat | 33 meteorological office, a weather station |
| 14 break-bulk carrier (general cargo ship) | 34 signal mast (signalling mast) |
| 15 tug | 35 storm signal |
| 16 floating dock (pontoon dock) | 36 port administration offices |
| 17 dry dock | 37 tide level indicator |
| 18 coal wharf | 38 quayside road (quayside roadway) |
| 19 coal bunker | 39 roll-on roll-off (ro-ro) system (roll-on roll-off operation) |
| 20 transporter loading bridge | 40 gantry |



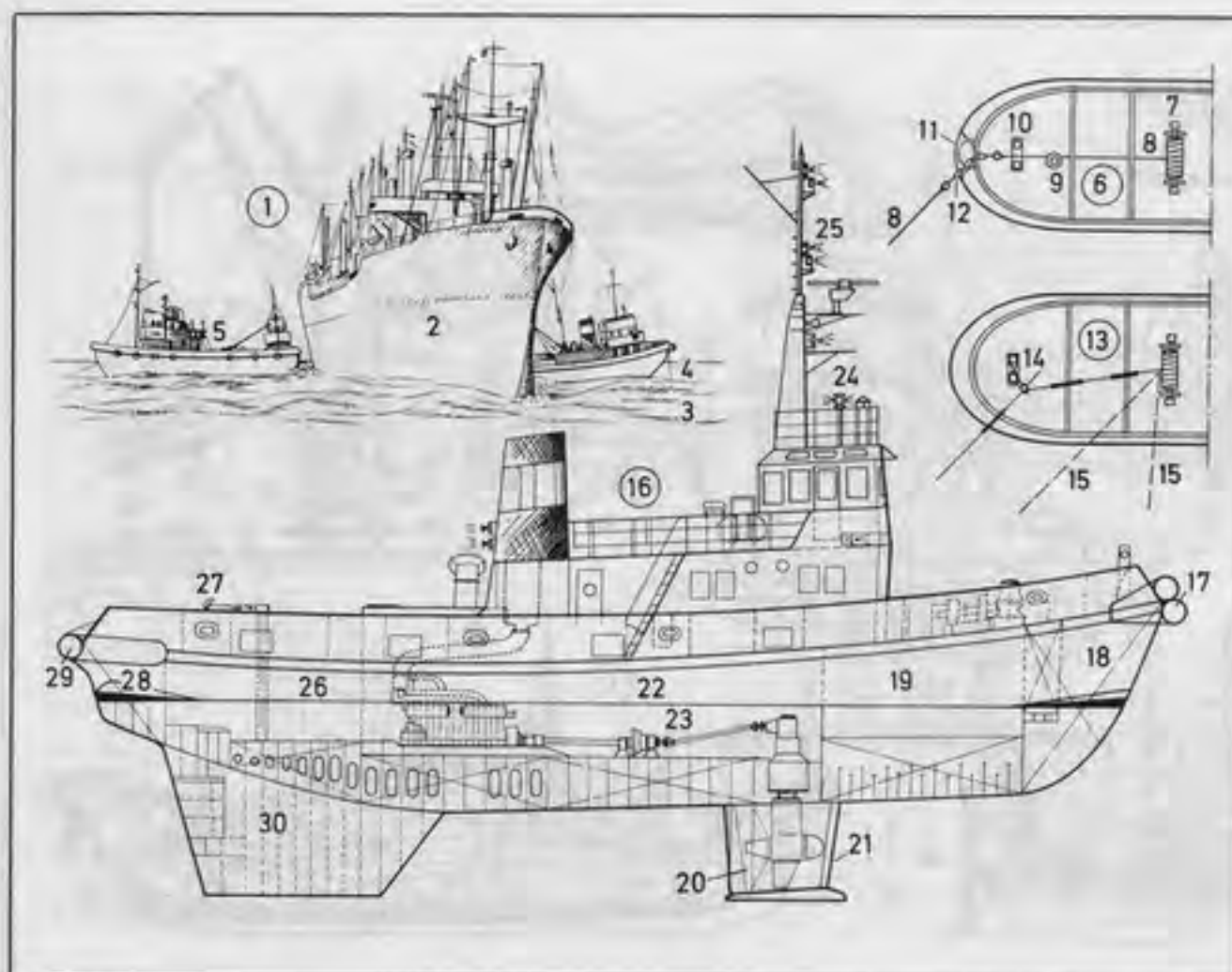
- | | |
|---|------------------------------------|
| 41 truck-to-truck system (truck-to-truck operation) | 61 tank farm |
| 42 foil-wrapped unit loads | 62 railway siding |
| 43 pallets | 63 landing pontoon (landing stage) |
| 44 forklift truck (fork truck, forklift) | 64 quay |
| 45 container ship | 65 breakwater (mole) |
| 46 transporter container-loading bridge | 66 pier (jetty), a quay extension |
| 47 container carrier truck | 67 bulk carrier |
| 48 container terminal (container berth) | 68 silo |
| 49 unit load | 69 silo cylinder |
| 50 cold store | 70 lift bridge |
| 51 conveyor belt (conveyor) | 71 industrial plant |
| 52 fruit storage shed (fruit warehouse) | 72 storage tanks |
| 53 office building | 73 tanker |
| 54 urban motorway (Am. freeway) | |
| 55 harbour (Am. harbor) tunnels | |
| 56 fish dock | |
| 57 fish market | |
| 58 auction room | |
| 59 fish-canning factory | |
| 60 push tow | |



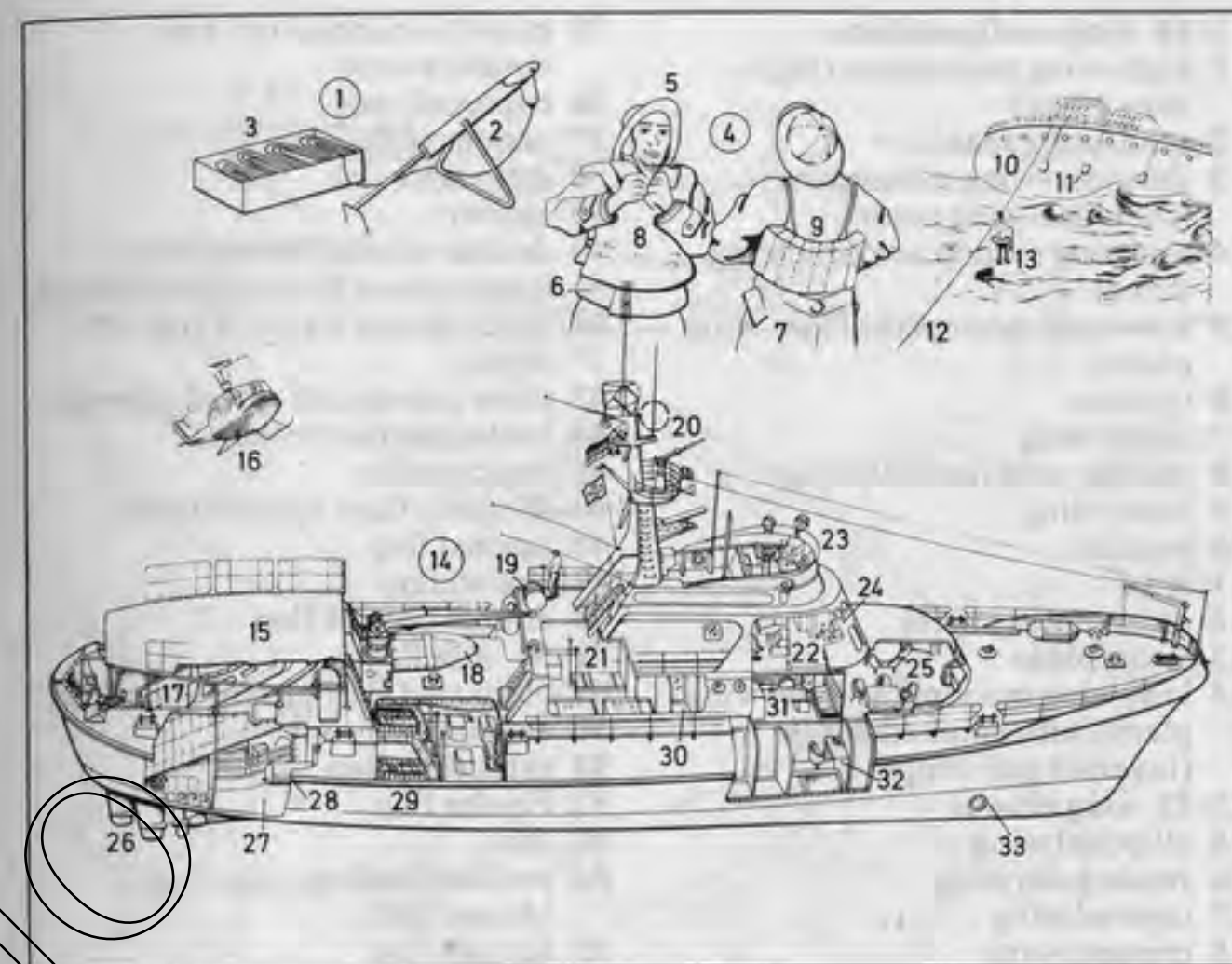
- 1 container terminal (container berth), a modern cargo-handling berth
- 2 transporter container-loading bridge (loading bridge); *sim.*: transtainer crane (transtainer)
- 3 container
- 4 truck (carrier)
- 5 all-container ship
- 6 containers stowed on deck
- 7 truck-to-truck handling (horizontal cargo handling with pallets)
- 8 forklift truck (fork truck, forklift)
- 9 unitized foil-wrapped load (unit load)
- 10 flat pallet, a standard pallet
- 11 unitized break-bulk cargo
- 12 heat sealing machine
- 13 break-bulk carrier (general cargo ship)
- 14 cargo hatchway
- 15 receiving truck on board ship
- 16 multi-purpose terminal

- 17 roll-on roll-off ship (ro-ro-ship)
- 18 stern port (stern opening)
- 19 driven load, a lorry (*Am.* truck)
- 20 ro-ro depot
- 21 unitized load (unitized package)
- 22 banana-handling terminal [section]
- 23 seaward tumbler
- 24 jib
- 25 elevator bridge
- 26 chain sling
- 27 lighting station
- 28 shore-side tumbler for loading trains and lorries (*Am.* trucks)
- 29 bulk cargo handling
- 30 bulk carrier
- 31 floating bulk-cargo elevator
- 32 suction pipes
- 33 receiver
- 34 delivery pipe
- 35 bulk transporter barge
- 36 floating pile driver
- 37 pile driver frame
- 38 pile hammer

- 39 driving guide rail
- 40 pile
- 41 bucket dredger, a dredger
- 42 bucket chain
- 43 bucket ladder
- 44 dredger bucket
- 45 chute
- 46 hopper barge
- 47 spoil
- 48 floating crane
- 49 jib (boom)
- 50 counterweight (counterpoise)
- 51 adjusting spindle
- 52 crane driver's cabin (crane driver's cage)
- 53 crane framework
- 54 winch house
- 55 control platform
- 56 turntable
- 57 pontoon, a pram
- 58 engine superstructure (engine mounting)



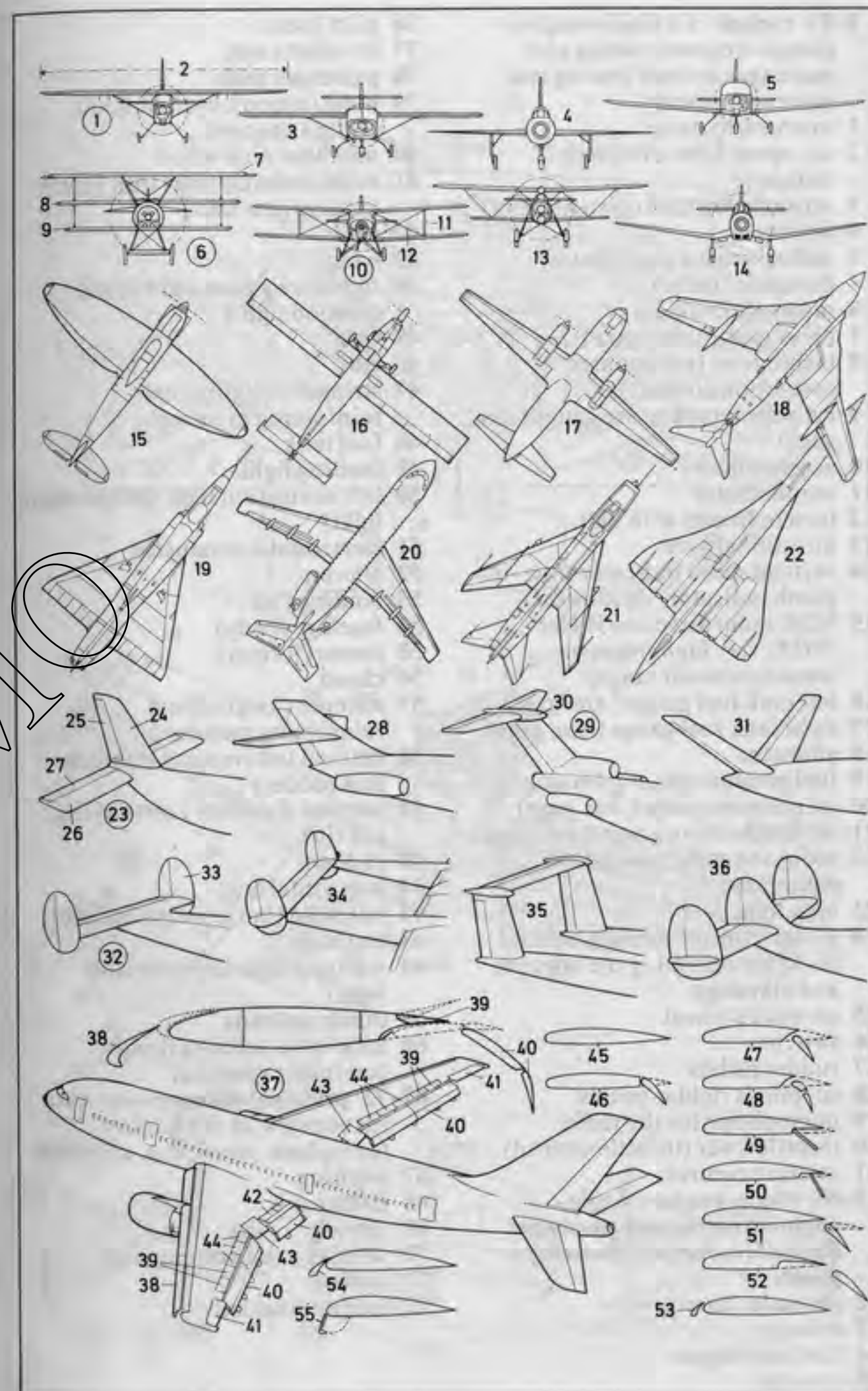
- 1 salvaging (salving) of a ship run aground
- 2 ship run aground (damaged vessel)
- 3 sandbank; *also*: quicksand
- 4 open sea
- 5 tug (salvage tug)
- 6-15 towing gear
- 6 towing gear for towing at sea
- 7 towing winch (towing machine, towing engine)
- 8 tow rope (tow line, towing hawser)
- 9 tow rope guide
- 10 cross-shaped bollard
- 11 hawse hole
- 12 anchor cable (chain cable)
- 13 towing gear for work in harbours (*Am.* harbors)
- 14 guest rope
- 15 position of the tow rope (tow line, towing hawser)
- 16 tug (salvage tug) [vertical elevation]
- 17 bow fender (pudding fender)
- 18 forepeak
- 19 living quarters
- 20 Schottel propeller
- 21 Kort vent
- 22 engine and propeller room
- 23 clutch coupling
- 24 compass platform (compass bridge, compass flat, monkey bridge)
- 25 fire-fighting equipment
- 26 stowage
- 27 tow hook
- 28 afterpeak
- 29 stern fender
- 30 main manoeuvring (*Am.* maneuvering) keel



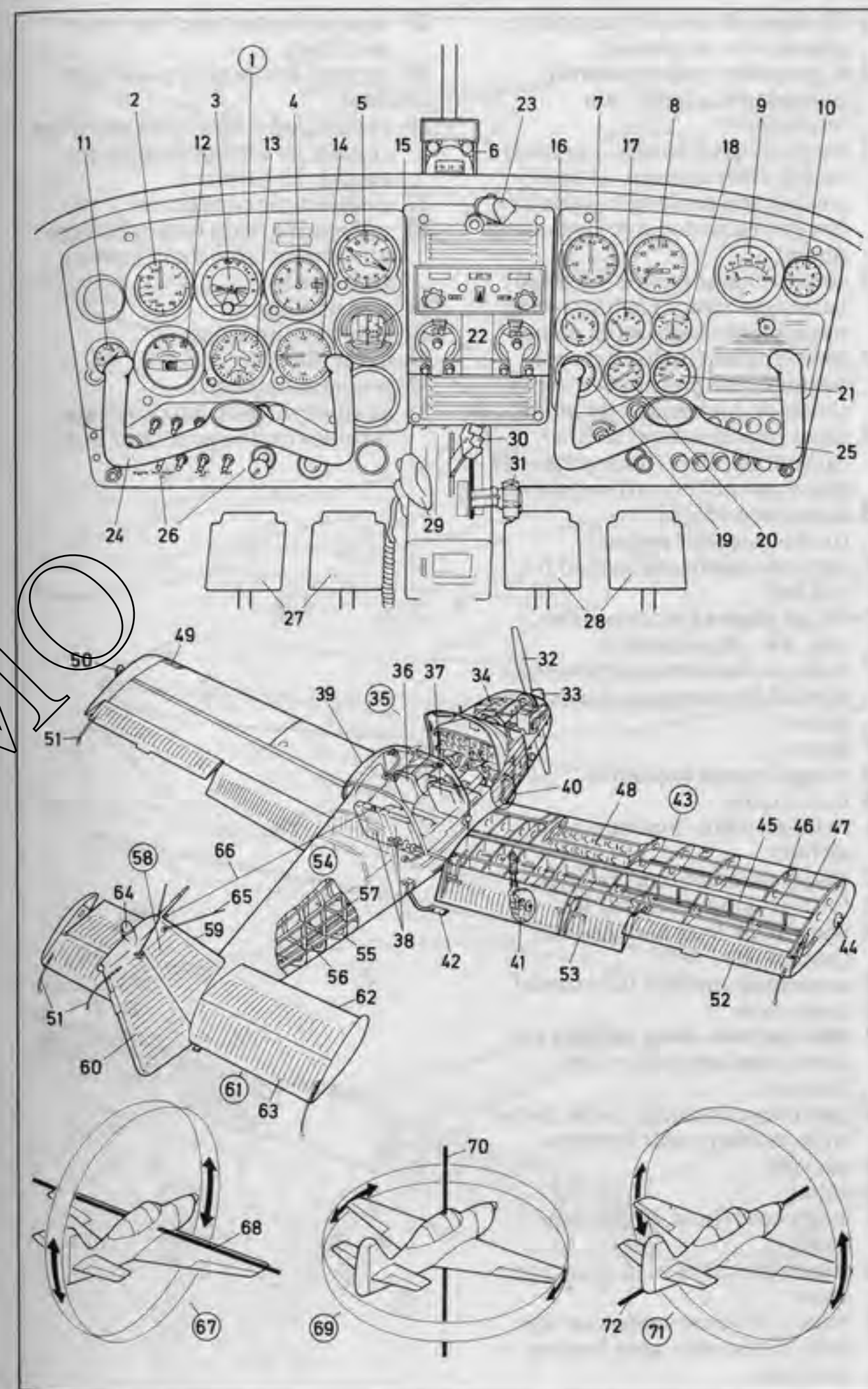
- 1 rocket apparatus (rocket gun, line-throwing gun)
- 2 life rocket (rocket)
- 3 rocket line (whip line)
- 4 oilskins
- 5 sou'wester (southwester)
- 6 oilskin jacket
- 7 oilskin coat
- 8 inflatable life jacket
- 9 cork life jacket (cork life preserver)
- 10 stranded ship (damaged vessel)
- 11 oil bag, for trickling oil on the water surface
- 12 lifeline
- 13 breeches buoy
- 14 rescue cruiser
- 15 helicopter landing deck
- 16 rescue helicopter
- 17 daughter boat
- 18 inflatable boat (inflatable dinghy)
- 19 life raft
- 20 fire-fighting equipment for fires at sea
- 21 hospital unit with operating cabin and exposure bath
- 22 navigating bridge
- 23 upper tier of navigating bridge
- 24 lower tier of navigating bridge
- 25 messroom
- 26 rudders and propeller (screw)
- 27 stowage
- 28 foam can
- 29 side engines
- 30 shower
- 31 coxswain's cabin
- 32 crew member's single-berth cabin
- 33 bow propeller

- 1-14 wing configurations**
- 1 high-wing monoplane (high-wing plane)
 - 2 span (wing span)
 - 3 shoulder-wing monoplane (shoulder-wing plane)
 - 4 midwing monoplane (midwing plane)
 - 5 low-wing monoplane (low-wing plane)
 - 6 triplane
 - 7 upper wing
 - 8 middle wing (central wing)
 - 9 lower wing
 - 10 biplane
 - 11 strut
 - 12 cross bracing wires
 - 13 sesquiplane
 - 14 low-wing monoplane (low-wing plane) with cranked wings (inverted gull wings)
- 15-22 wing shapes**
- 15 elliptical wing
 - 16 rectangular wing
 - 17 tapered wing
 - 18 crescent wing
 - 19 delta wing
 - 20 swept-back wing with semi-positive sweepback
 - 21 swept-back wing with positive sweepback
 - 22 ogival wing (ogee wing)
- 23-36 tail shapes (tail unit shapes, empennage shapes)**
- 23 normal tail (normal tail unit)
 - 24-25 vertical tail (vertical stabilizer and rudder)
 - 24 vertical stabilizer (vertical fin, tail fin)
 - 25 rudder
 - 26-27 horizontal tail
 - 26 tailplane (horizontal stabilizer)
 - 27 elevator
 - 28 cruciform tail (cruciform tail unit)
 - 29 T-tail (T-tail unit)
 - 30 lobe
 - 31 V-tail (vee-tail, butterfly tail)
 - 32 double tail unit (twin tail unit)
 - 33 end plate
 - 34 double tail unit (twin tail unit) of a twin-boom aircraft

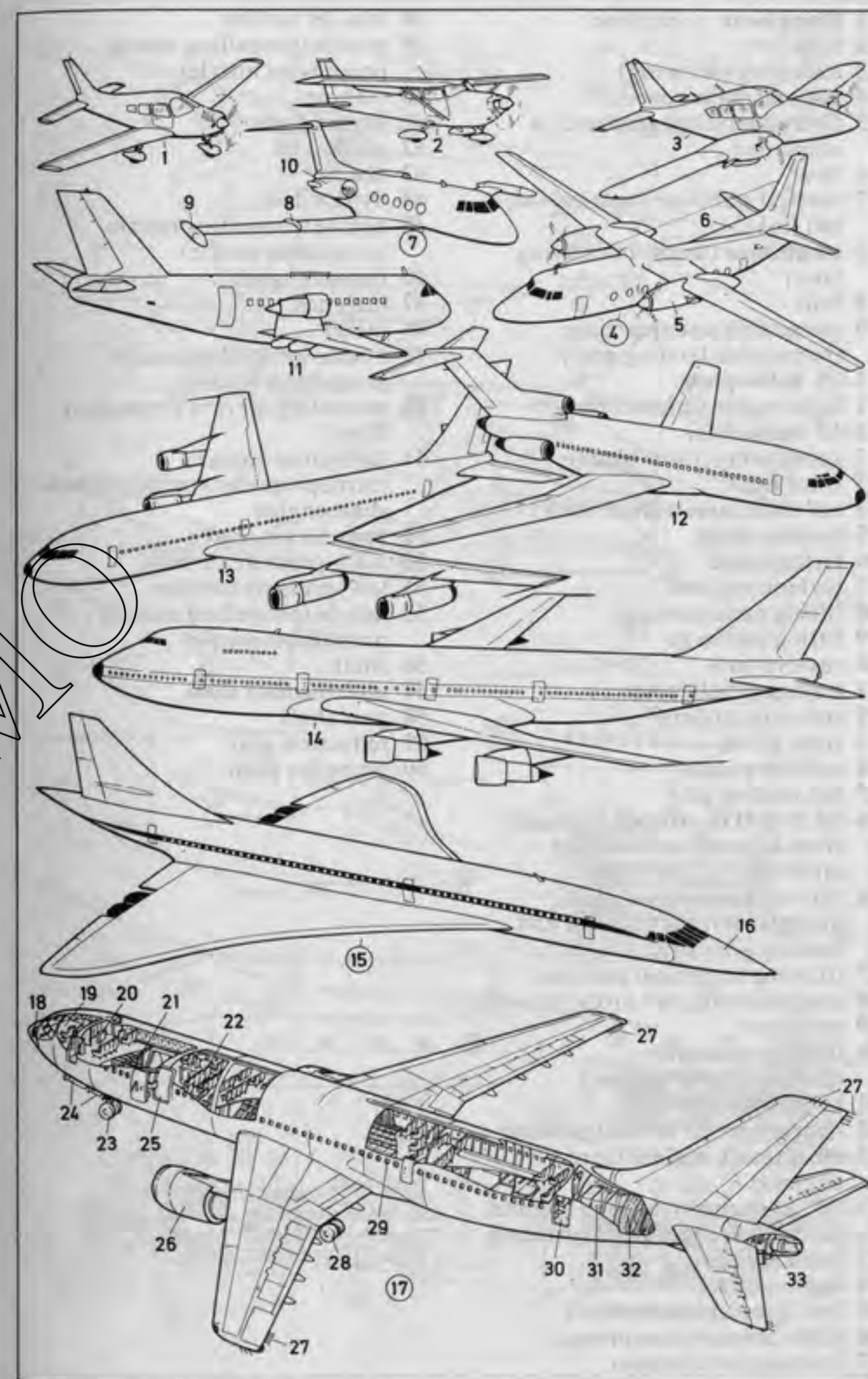
- 35 raised horizontal tail with double booms
- 36 triple tail unit
- 37 system of flaps
- 38 extensible slat
- 39 spoiler
- 40 double-slotted Fowler flap
- 41 outer aileron (low-speed aileron)
- 42 inner spoiler (landing flap, lift dump)
- 43 inner aileron (all-speed aileron)
- 44 brake flap (air brake)
- 45 basic profile
- 46-48 plain flaps (simple flaps)
- 46 normal flap
- 47 slotted flap
- 48 double-slotted flap
- 49-50 split flaps
- 49 plain split flap (simple split flap)
- 50 zap flap
- 51 extending flap
- 52 Fowler flap
- 53 slat
- 54 profiled leading-edge flap (droop flap)
- 55 Krüger flap



- 1-31 cockpit of a single-engine (single-engined) racing and passenger aircraft (racing and passenger plane)**
- 1 instrument panel
 - 2 air-speed (*Am.* airspeed) indicator
 - 3 artificial horizon (gyro horizon)
 - 4 altimeter
 - 5 radio compass (automatic direction finder)
 - 6 magnetic compass
 - 7 boost gauge (*Am.* gage)
 - 8 tachometer (rev counter, revolution counter)
 - 9 cylinder temperature gauge (*Am.* gage)
 - 10 accelerometer
 - 11 chronometer
 - 12 turn indicator with ball
 - 13 directional gyro
 - 14 vertical speed indicator (rate-of-climb indicator, variometer)
 - 15 VOR radio direction finder [*VOR: very high frequency omnidirectional range*]
 - 16 left tank fuel gauge (*Am.* gage)
 - 17 right tank fuel gauge (*Am.* gage)
 - 18 ammeter
 - 19 fuel pressure gauge (*Am.* gage)
 - 20 oil pressure gauge (*Am.* gage)
 - 21 oil temperature gauge (*Am.* gage)
 - 22 radio and radio navigation equipment
 - 23 map light
 - 24 wheel (control column, control stick) for operating the ailerons and elevators
 - 25 co-pilot's wheel
 - 26 switches
 - 27 rudder pedals
 - 28 co-pilot's rudder pedals
 - 29 microphone for the radio
 - 30 throttle lever (throttle control)
 - 31 mixture control
- 32-66 single-engine (single-engined) racing and passenger aircraft (racing and passenger plane)**
- 32 propeller (airscrew)
 - 33 spinner
 - 34 flat four engine
 - 35 cockpit
 - 36 pilot's seat
 - 37 co-pilot's seat
 - 38 passenger seats
 - 39 hood (canopy, cockpit hood, cockpit canopy)
 - 40 steerable nose wheel
 - 41 main undercarriage unit (main landing gear unit)
 - 42 step
 - 43 wing
 - 44 right navigation light (right position light)
 - 45 spar
 - 46 rib
 - 47 stringer (longitudinal reinforcing member)
 - 48 fuel tank
 - 49 landing light
 - 50 left navigation light (left position light)
 - 51 electrostatic conductor
 - 52 aileron
 - 53 landing flap
 - 54 fuselage (body)
 - 55 frame (former)
 - 56 chord
 - 57 stringer (longitudinal reinforcing member)
 - 58 vertical tail (vertical stabilizer and rudder)
 - 59 vertical stabilizer (vertical fin, tail fin)
 - 60 rudder
 - 61 horizontal tail
 - 62 tailplane (horizontal stabilizer)
 - 63 elevator
 - 64 warning light (anticollision light)
 - 65 dipole antenna
 - 66 long-wire antenna (long-conductor antenna)
- 67-72 principal manoeuvres (*Am.* maneuvers) of the aircraft (aeroplane, plane, *Am.* airplane)**
- 67 pitching
 - 68 lateral axis
 - 69 yawing
 - 70 vertical axis (normal axis)
 - 71 rolling
 - 72 longitudinal axis

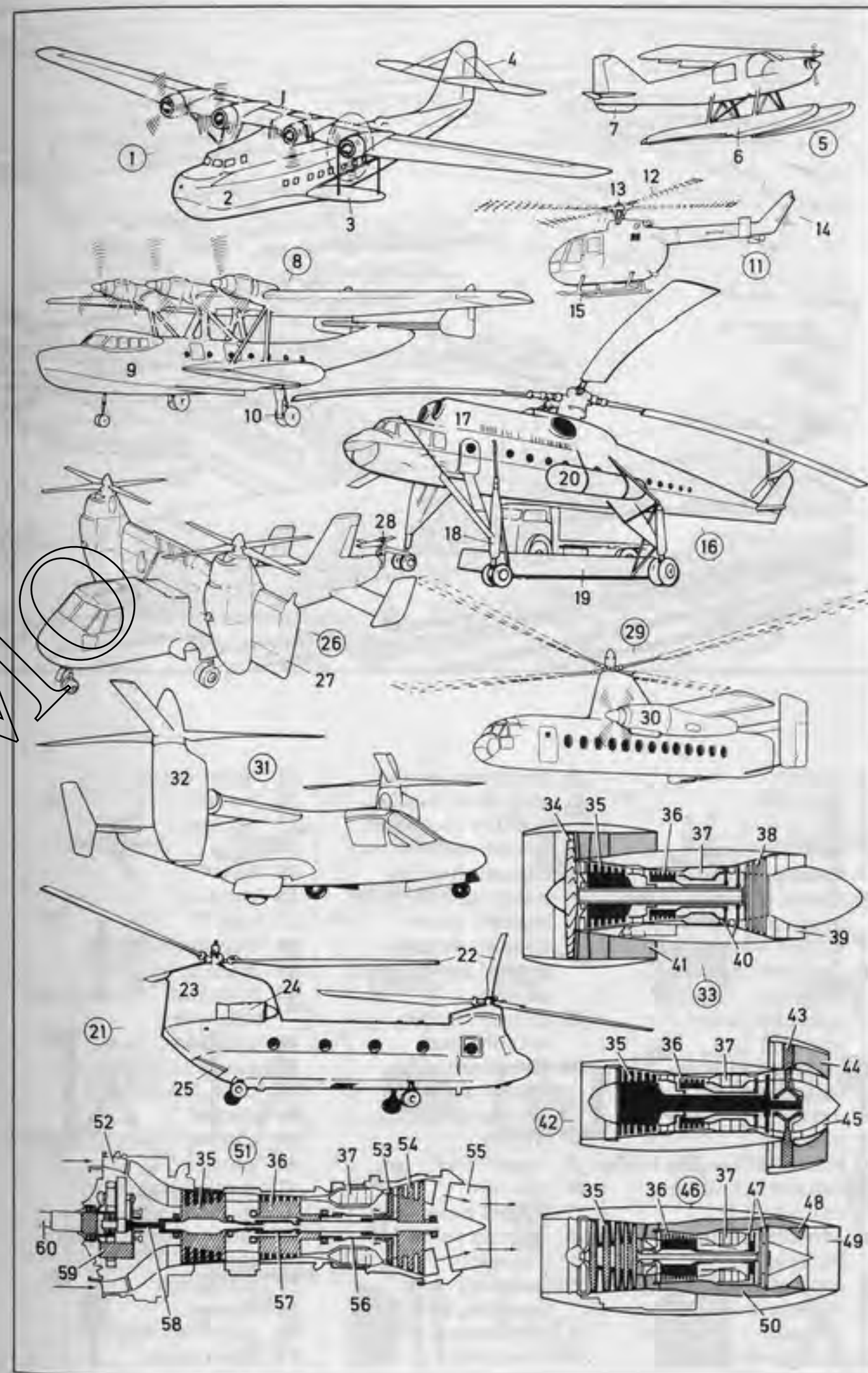


- 1-33 types of aircraft** (aeroplanes, planes, *Am.* airplanes)
- 1-6 propeller-driven aircraft** (aeroplanes, planes, *Am.* airplanes)
- 1** single-engine (single-engined) racing and passenger aircraft (racing and passenger plane), a low-wing monoplane (low-wing plane)
- 2** single-engine (single-engined) passenger aircraft, a high-wing monoplane (high-wing plane)
- 3** twin-engine (twin-engined) business and passenger aircraft (business and passenger plane)
- 4** short/medium haul airliner, a turboprop plane (turbopropeller plane, propeller-turbine plane)
- 5** turboprop engine (turbopropeller engine)
- 6** vertical stabilizer (vertical fin, tail fin)
- 7-33 jet planes** (jet aeroplanes, jets, *Am.* jet airplanes)
- 7** twin-jet business and passenger aircraft (business and passenger plane)
- 8** fence
- 9** wing-tip tank (tip tank)
- 10** rear engine
- 11** twin-jet short/medium haul airliner
- 12** tri-jet medium haul airliner
- 13** four-jet long haul airliner
- 14** wide-body long haul airliner (jumbo jet)
- 15** supersonic airliner [*Concorde*]
- 16** droop nose
- 17** twin-jet wide-body airliner for short/medium haul routes (airbus)
- 18** radar nose (radome, radar dome) with weather radar antenna
- 19** cockpit
- 20** galley
- 21** cargo hold (hold, underfloor hold)
- 22** passenger cabin with passenger seats
- 23** retractable nose undercarriage unit (retractable nose landing gear unit)
- 24** nose undercarriage flap (nose gear flap)
- 25** centre (*Am.* center) passenger door
- 26** engine pod with engine (turbojet engine, jet turbine engine, jet engine, jet turbine)
- 27** electrostatic conductors
- 28** retractable main undercarriage unit (retractable main landing gear unit)
- 29** side window
- 30** rear passenger door
- 31** toilet (lavatory, WC)
- 32** pressure bulkhead
- 33** auxiliary engine (auxiliary gas turbine) for the generator unit



- 1 flying boat, a seaplane
- 2 hull
- 3 stub wing (sea wing)
- 4 tail bracing wires
- 5 floatplane (float seaplane), a seaplane
- 6 float
- 7 vertical stabilizer (vertical fin, tail fin)
- 8 amphibian (amphibian flying boat)
- 9 hull
- 10 retractable undercarriage (retractable landing gear)
- 11-25 helicopters
- 11 light multirole helicopter
- 12-13 main rotor
- 12 rotary wing (rotor blade)
- 13 rotor head
- 14 tail rotor (anti-torque rotor)
- 15 landing skids
- 16 flying crane
- 17 turbine engines
- 18 lifting undercarriage
- 19 lifting platform
- 20 reserve tank
- 21 transport helicopter
- 22 rotors in tandem
- 23 rotor pylon
- 24 turbine engine
- 25 tail loading gate
- 26-32 V/STOL aircraft (vertical/short take-off and landing aircraft)
- 26 tilt-wing aircraft, a VTOL aircraft (vertical take-off and landing aircraft)
- 27 tilt wing in vertical position
- 28 contrarotating tail propellers
- 29 gyrodyne
- 30 turboprop engine (turbopropeller engine)
- 31 convertiplane
- 32 tilting rotor in vertical position
- 33-60 aircraft engines (aero engines)
- 33-50 jet engines (turbojet engines, jet turbine engines, jet turbines)
- 33 front fan-jet
- 34 fan
- 35 low-pressure compressor
- 36 high-pressure compressor
- 37 combustion chamber

- 38 fan-jet turbine
- 39 nozzle (propelling nozzle, propulsion nozzle)
- 40 turbines
- 41 bypass duct
- 42 aft fan-jet
- 43 fan
- 44 bypass duct
- 45 nozzle (propelling nozzle, propulsion nozzle)
- 46 bypass engine
- 47 turbines
- 48 mixer
- 49 nozzle (propelling nozzle, propulsion nozzle)
- 50 secondary air flow (bypass air flow)
- 51 turboprop engine (turbopropeller engine), a twin-shaft engine
- 52 annular air intake
- 53 high-pressure turbine
- 54 low-pressure turbine
- 55 nozzle (propelling nozzle, propulsion nozzle)
- 56 shaft
- 57 intermediate shaft
- 58 gear shaft
- 59 reduction gear
- 60 propeller shaft

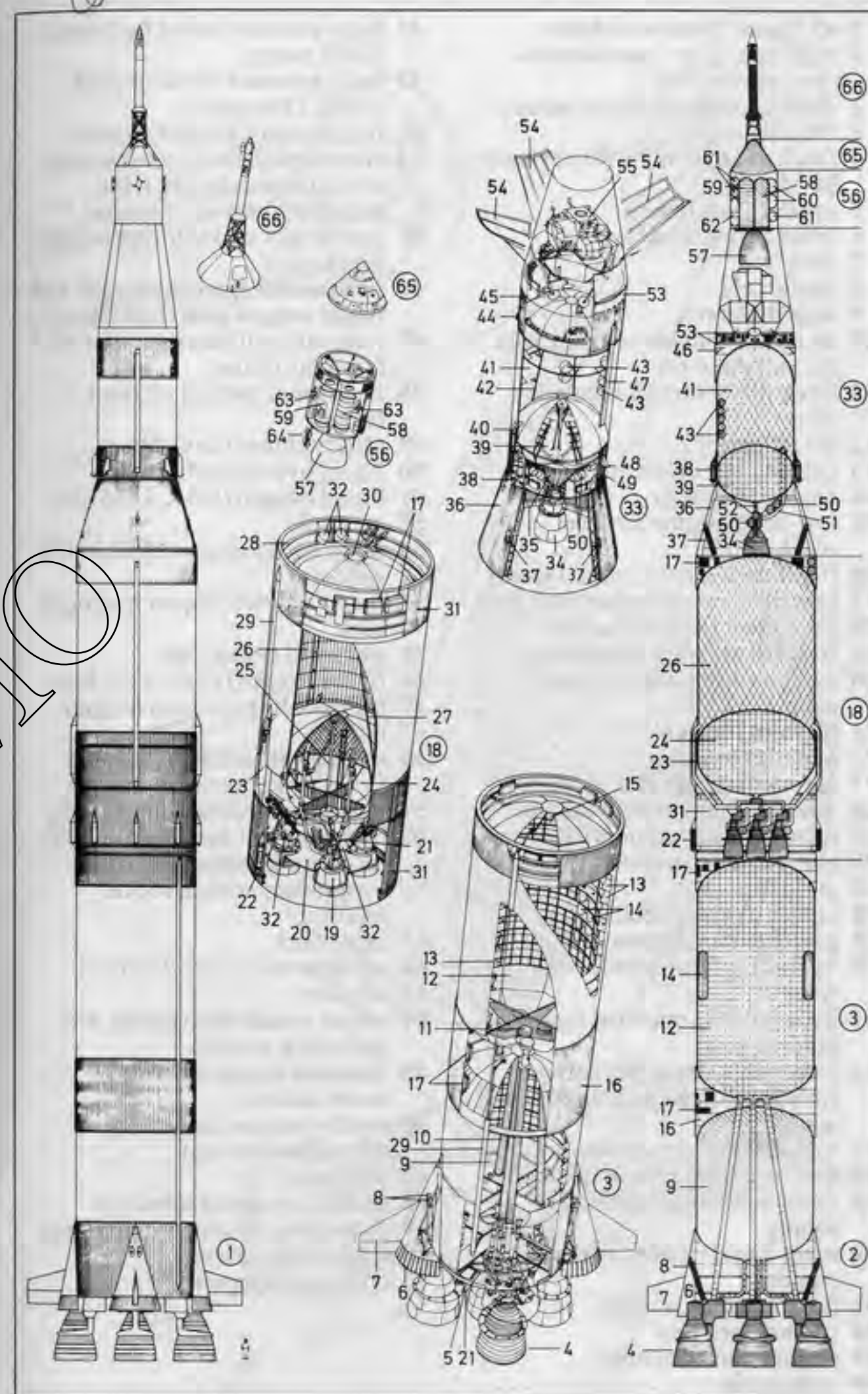




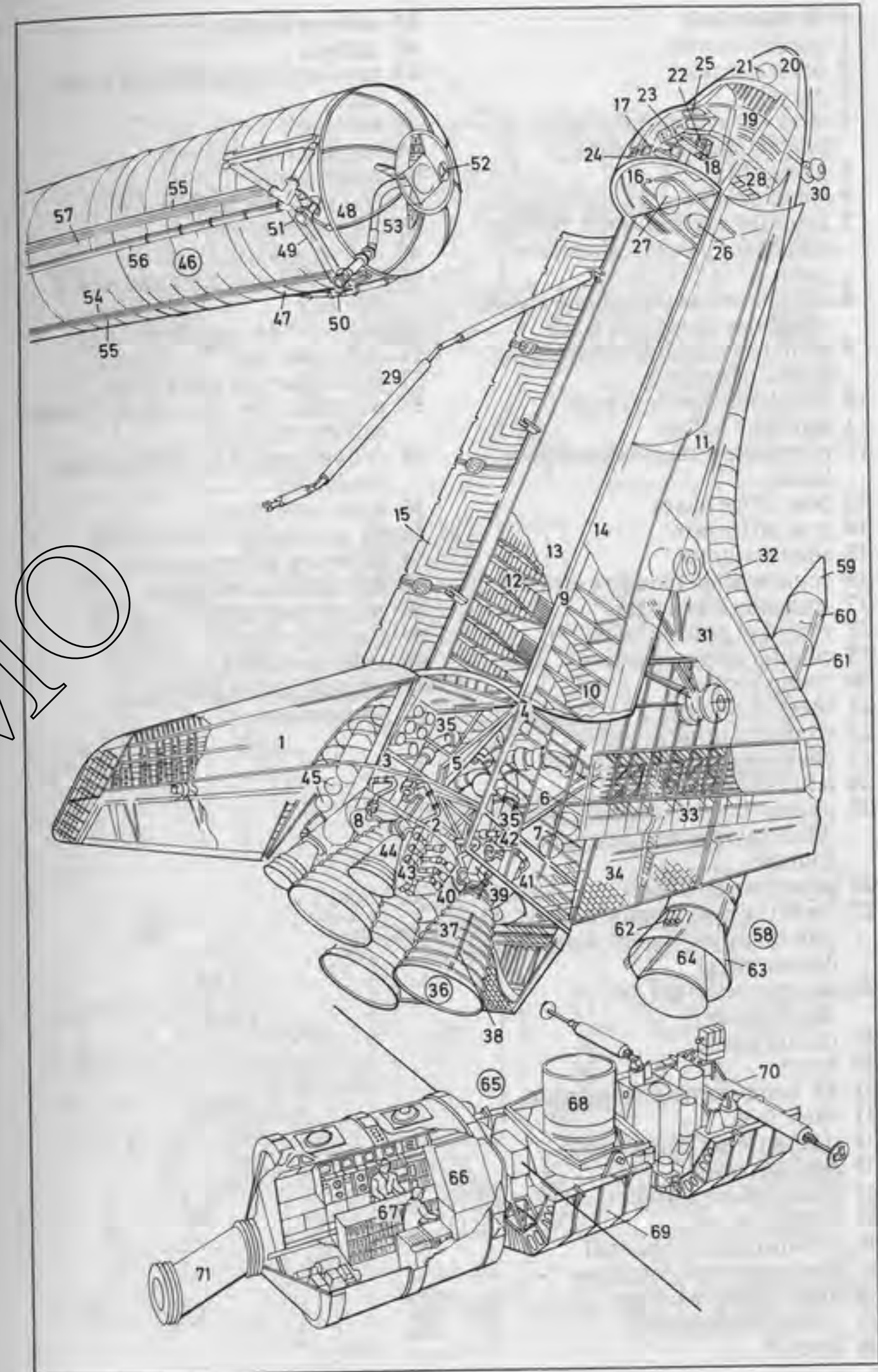
- | | | |
|---|---|---------------------------------------|
| 1 runway | 20 spectators' terrace | 31 'information' |
| 2 taxiway | 21 aircraft in loading position (nosed in) | 32 'taxis' |
| 3 apron | 22 service vehicles, e.g. baggage loaders, water tankers, galley loaders, toilet-cleaning vehicles, ground power units, tankers | 33 'car hire' |
| 4 apron taxiway | 23 aircraft tractor (aircraft tug) | 34 'trains' |
| 5 baggage terminal | 24-53 airport information symbols (pictographs) | 35 'buses' |
| 6 tunnel entrance to the baggage terminal | 24 'airport' | 36 'entrance' |
| 7 airport fire service | 25 'departures' | 37 'exit' |
| 8 fire appliance building | 26 'arrivals' | 38 'baggage retrieval' |
| 9 mail and cargo terminal | 27 'transit passengers' | 39 'luggage lockers' |
| 10 cargo warehouse | 28 'waiting room' ('lounge') | 40 'telephone - emergency calls only' |
| 11 assembly point | 29 'assembly point' ('meeting point', 'rendezvous point') | 41 'emergency exit' |
| 12 pier | 30 'spectators' terrace' | 42 'passport check' |
| 13 pierhead | | 43 'press facilities' |
| 14 passenger loading bridge | | 44 'doctor' |
| 15 departure building (terminal) | | 45 'chemist' (Am. 'druggist') |
| 16 administration building | | 46 'showers' |
| 17 control tower (tower) | | 47 'gentlemen's toilet' ('gentlemen') |
| 18 waiting room (lounge) | | 48 'ladies toilet' ('ladies') |
| 19 airport restaurant | | 49 'chapel' |
| | | 50 'restaurant' |
| | | 51 'change' |
| | | 52 'duty free shop' |
| | | 53 'hairdresser' |



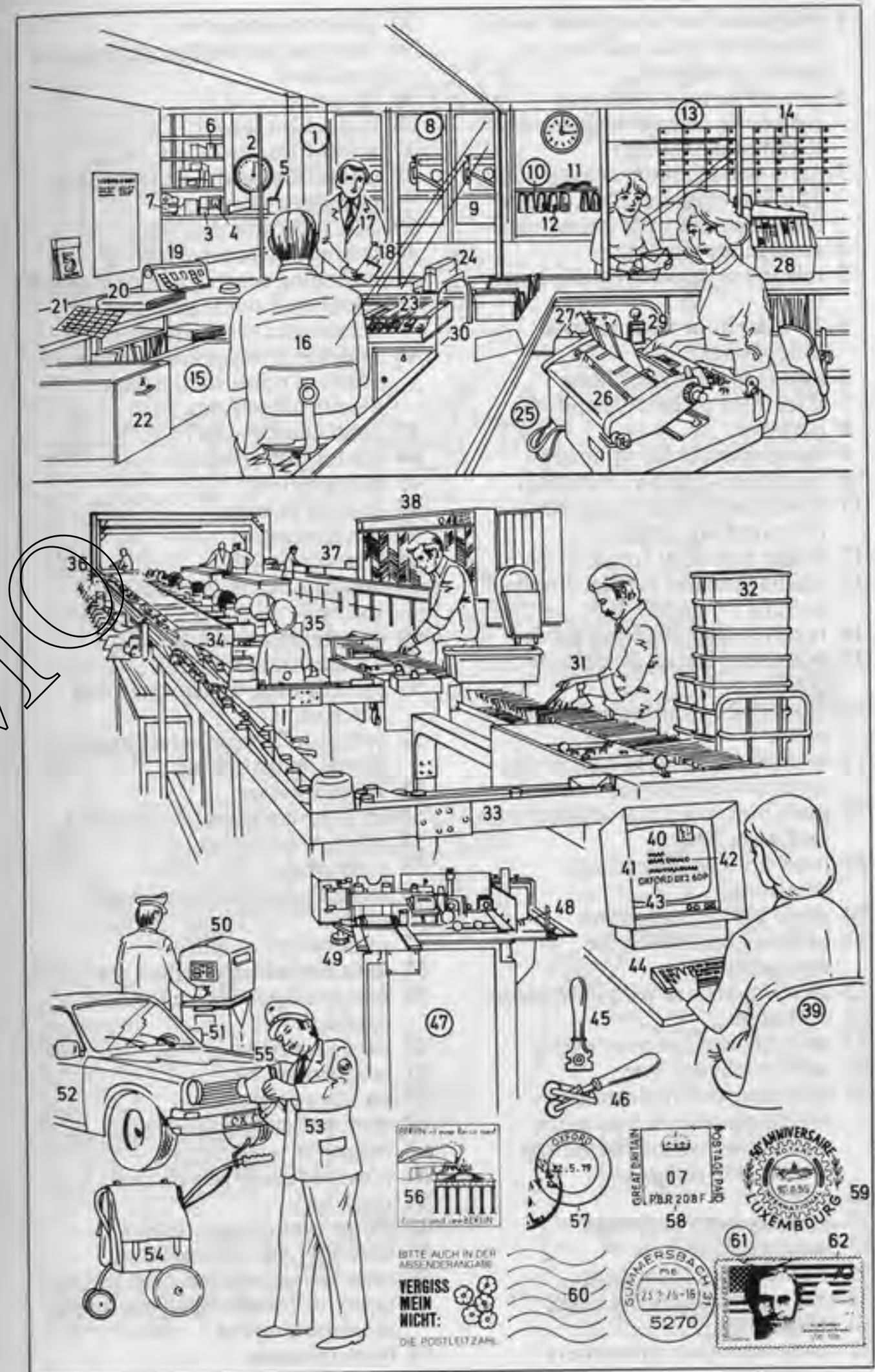
- 1 Saturn V 'Apollo' booster (booster rocket) [overall view]
- 2 Saturn V 'Apollo' booster (booster rocket) [overall sectional view]
- 3 first rocket stage (S-IC)
- 4 F-1 engines
- 5 heat shield (thermal protection shield)
- 6 aerodynamic engine fairings
- 7 aerodynamic stabilizing fins
- 8 stage separation retro-rockets, 8 rockets arranged in 4 pairs
- 9 kerosene (RP-1) tank [capacity: 811,000 litres]
- 10 liquid oxygen (LOX, LO₂) supply lines
- 11 anti-vortex system (device for preventing the formation of vortices in the fuel)
- 12 liquid oxygen (LOX, LO₂) tank [capacity: 1,315,000 litres]
- 13 anti-slosh baffles
- 14 compressed-helium bottles (helium pressure bottles)
- 15 diffuser for gaseous oxygen
- 16 inter-tank connector (inter-tank section)
- 17 instruments and system-monitoring devices
- 18 second rocket stage (S-II)
- 19 J-2 engines
- 20 heat shield (thermal protection shield)
- 21 engine mounts and thrust structure
- 22 acceleration rockets for fuel acquisition
- 23 liquid hydrogen (LH₂) suction line
- 24 liquid oxygen (LOX, LO₂) tank [capacity: 1,315,000 litres]
- 25 standpipe
- 26 liquid hydrogen (LH₂) tank [capacity: 1,020,000 litres]
- 27 fuel level sensor
- 28 work platform (working platform)
- 29 cable duct
- 30 manhole
- 31 S-IC/S-II inter-stage connector (inter-stage section)
- 32 compressed-gas container (gas pressure vessel)
- 33 third rocket stage (S-IVB)
- 34 J-2 engine
- 35 nozzle (thrust nozzle)
- 36 S-II/S-IVB inter-stage connector (inter-stage section)
- 37 four second-stage (S-II) separation retro-rockets
- 38 attitude control rockets
- 39 liquid oxygen (LOX, LO₂) tank [capacity: 77,200 litres]
- 40 fuel line duct
- 41 liquid hydrogen (LH₂) tank [capacity: 253,000 litres]
- 42 measuring probes
- 43 compressed-helium tanks (helium pressure vessels)
- 44 tank vent
- 45 forward frame section
- 46 work platform (working platform)
- 47 cable duct
- 48 acceleration rockets for fuel acquisition
- 49 aft frame section
- 50 compressed-helium tanks (helium pressure vessels)
- 51 liquid hydrogen (LH₂) line
- 52 liquid oxygen (LOX, LO₂) line
- 53 24-panel instrument unit
- 54 LM hangar (lunar module hangar)
- 55 LM (lunar module)
- 56 Apollo SM (service module), containing supplies and equipment
- 57 SM (service module) main engine
- 58 fuel tank
- 59 nitrogen tetroxide tank
- 60 pressurized gas delivery system
- 61 oxygen tanks
- 62 fuel cells
- 63 manoeuvring (*Am.* maneuvering) rocket assembly
- 64 directional antenna assembly
- 65 space capsule (command section)
- 66 launch phase escape tower



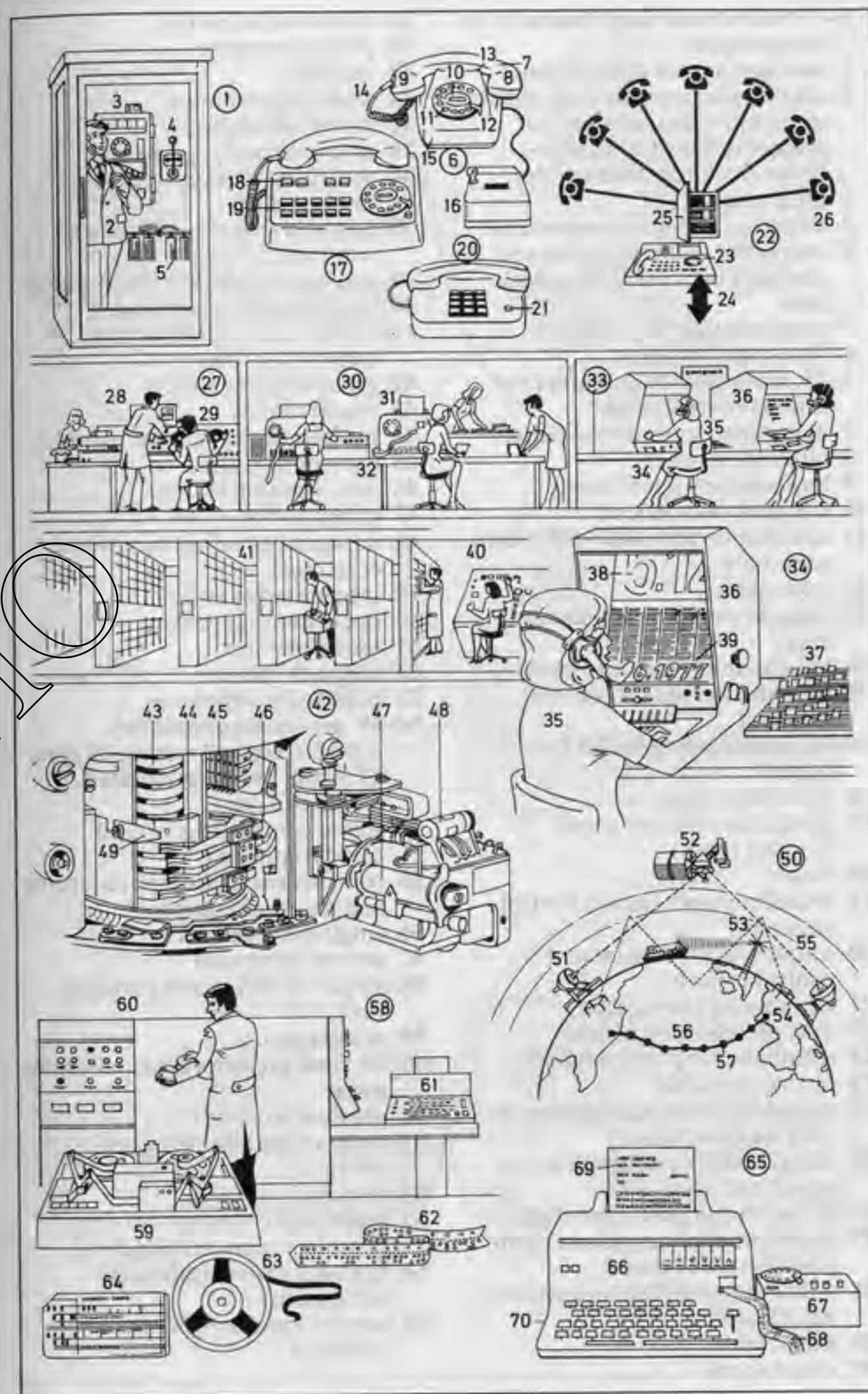
- 1-45 Space Shuttle-Orbiter**
- 1 twin-spar (two-spar, double-spar) vertical fin
 - 2 engine compartment structure
 - 3 fin post
 - 4 fuselage attachment [of payload bay doors]
 - 5 upper thrust mount
 - 6 lower thrust mount
 - 7 keel
 - 8 heat shield
 - 9 waist longeron
 - 10 integrally machined (integrally milled) main rib
 - 11 integrally stiffened light alloy skin
 - 12 lattice girder
 - 13 payload bay insulation
 - 14 payload bay door
 - 15 low-temperature surface insulation
 - 16 flight deck (crew compartment)
 - 17 captain's seat (commander's seat)
 - 18 pilot's seat (co-pilot's seat)
 - 19 forward pressure bulkhead
 - 20 carbon fibre reinforced nose cone
 - 21 forward fuel tanks
 - 22 avionics consoles
 - 23 automatic flight control panel
 - 24 upward observation windows
 - 25 forward observation windows
 - 26 entry hatch to payload bay
 - 27 air lock
 - 28 ladder to lower deck
 - 29 payload manipulator arm
 - 30 hydraulically steerable nose wheel
 - 31 hydraulically operated main landing gear
 - 32 removable (reusable) carbon fibre reinforced leading edge [of wing]
 - 33 movable elevon sections
 - 34 heat-resistant elevon structure
 - 35 main liquid hydrogen (LH₂) supply
 - 36 main liquid-fuelled rocket engine
 - 37 nozzle (thrust nozzle)
 - 38 coolant feed line
 - 39 engine control system
 - 40 heat shield
 - 41 high-pressure liquid hydrogen (LH₂) pump
 - 42 high-pressure liquid oxygen (LOX, LO₂) pump
 - 43 thrust vector control system
 - 44 electromechanically controlled orbital manoeuvring (*Am.* maneuvering) main engine
 - 45 nozzle fuel tanks (thrust nozzle fuel tanks)
 - 46 jettisonable liquid hydrogen and liquid oxygen tank (fuel tank)
 - 47 integrally stiffened annular rib (annular frame)
 - 48 hemispherical end rib (end frame)
 - 49 aft attachment to Orbiter
 - 50 liquid hydrogen (LH₂) line
 - 51 liquid oxygen (LOX, LO₂) line
 - 52 manhole
 - 53 surge baffle system (slosh baffle system)
 - 54 pressure line to liquid hydrogen tank
 - 55 electrical system bus
 - 56 liquid oxygen (LOX, LO₂) line
 - 57 pressure line to liquid oxygen tank
 - 58 recoverable solid-fuel rocket (solid rocket booster)
 - 59 auxiliary parachute bay
 - 60 compartment housing the recovery parachutes and the forward separation rocket motors
 - 61 cable duct
 - 62 aft separation rocket motors
 - 63 aft skirt
 - 64 swivel nozzle (swivelling, *Am.* swiveling, nozzle)
 - 65 **Spacelab** (space laboratory, space station)
 - 66 multi-purpose laboratory (orbital workshop)
 - 67 astronaut
 - 68 gimbal-mounted telescope
 - 69 measuring instrument platform
 - 70 spaceflight module
 - 71 crew entry tunnel



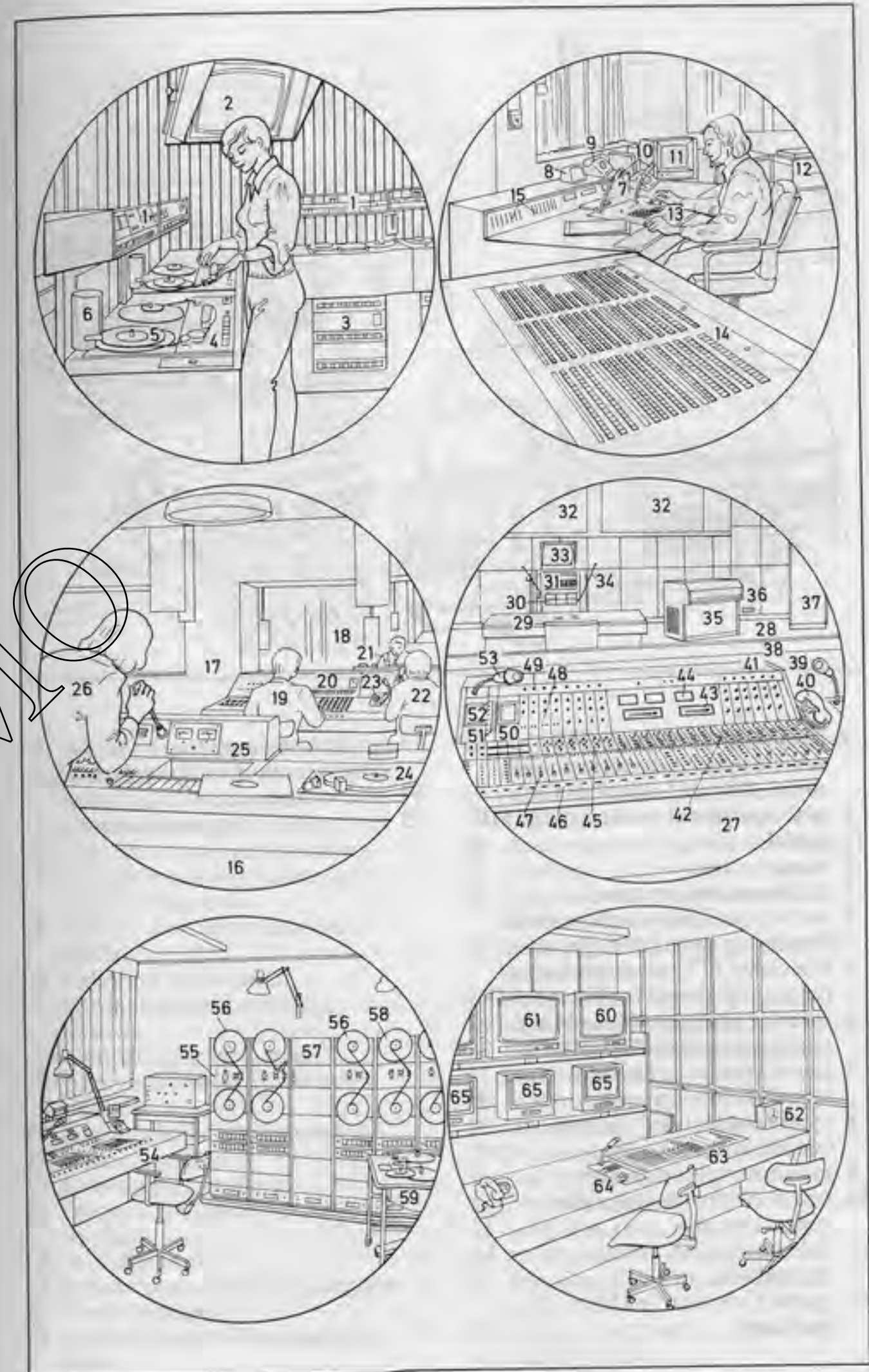
- 1-30 main hall
- 1 parcels counter
 - 2 parcels scales
 - 3 parcel
 - 4 stick-on address label with parcel registration slip
 - 5 glue pot
 - 6 small parcel
 - 7 franking machine (*Am.* postage meter) for parcel registration cards
 - 8 telephone box (telephone booth, telephone kiosk, call box)
 - 9 coin-box telephone (pay phone, public telephone)
 - 10 telephone directory rack
 - 11 directory holder
 - 12 telephone directory (telephone book)
 - 13 post office boxes
 - 14 post office box
 - 15 stamp counter
 - 16 counter clerk (counter officer)
 - 17 company messenger
 - 18 record of posting book
 - 19 counter stamp machine
 - 20 stamp book
 - 21 sheet of stamps
 - 22 security drawer
 - 23 change rack
 - 24 letter scales
 - 25 paying-in (*Am.* deposit), post office savings, and pensions counter
 - 26 accounting machine
 - 27 franking machine for money orders and paying-in slips (*Am.* deposit slips)
 - 28 change machine (*Am.* changemaker)
 - 29 receipt stamp
 - 30 hatch
 - 31-44 letter-sorting installation
 - 31 letter feed
 - 32 stacked letter containers
 - 33 feed conveyor
 - 34 intermediate stacker
 - 35 coding station
 - 36 pre-distributor channel
 - 37 process control computer
 - 38 distributing machine
 - 39 video coding station
 - 40 screen
 - 41 address display
 - 42 address
 - 43 post code (postal code, *Am.* zip code)
 - 44 keyboard
 - 45 handstamp
 - 46 roller stamp
 - 47 franking machine
 - 48 feed mechanism
 - 49 delivery mechanism
 - 50-55 postal collection and delivery
 - 50 postbox (*Am.* mailbox)
 - 51 collection bag
 - 52 post office van (mail van)
 - 53 postman (*Am.* mail carrier, letter carrier, mailman)
 - 54 delivery pouch (postman's bag, mailbag)
 - 55 letter-rate item
 - 56-60 postmarks
 - 56 postmark advertisement
 - 57 date stamp postmark
 - 58 charge postmark
 - 59 special postmark
 - 60 roller postmark
 - 61 stamp (postage stamp)
 - 62 perforations

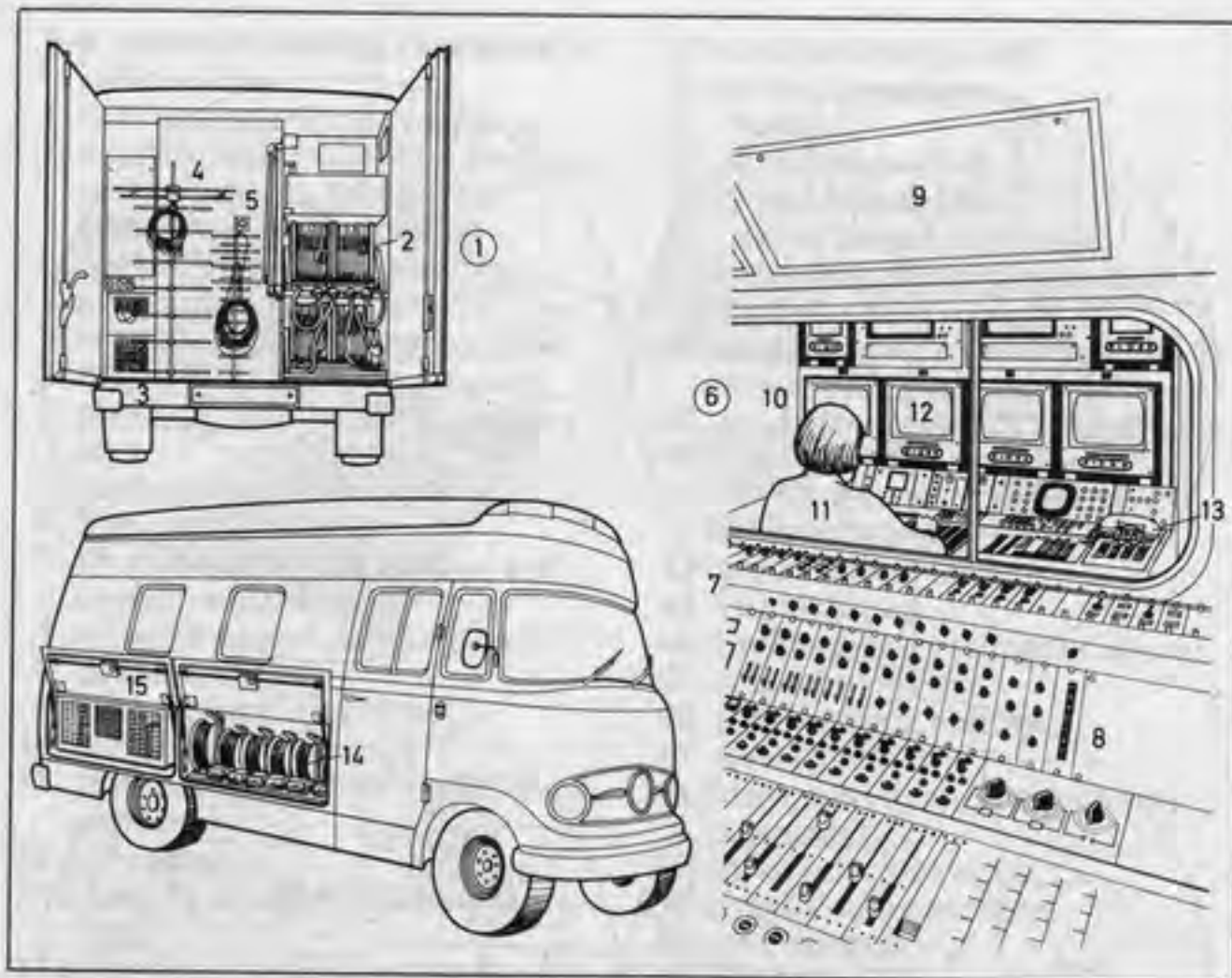


- 1 telephone box (telephone booth, telephone kiosk, call box), a public telephone
- 2 telephone user (*with own telephone*: telephone subscriber, telephone customer)
- 3 coin-box telephone (pay phone, public telephone) for local and long-distance calls (trunk calls)
- 4 emergency telephone
- 5 telephone directory (telephone book)
- 6-26 telephone instruments (telephones)
- 6 standard table telephone
- 7 telephone receiver (handset)
- 8 earpiece
- 9 mouthpiece (microphone)
- 10 dial (push-button keyboard)
- 11 finger plate (dial finger plate, dial wind-up plate)
- 12 finger stop (dial finger stop)
- 13 cradle (handset cradle, cradle switch)
- 14 receiver cord (handset cord)
- 15 telephone casing (telephone cover)
- 16 subscriber's (customer's) private meter
- 17 switchboard (exchange) for a system of extensions
- 18 push button for connecting main exchange lines
- 19 push buttons for calling extensions
- 20 push-button telephone
- 21 earthing button for the extensions
- 22-26 switchboard with extensions
- 22 exchange
- 23 switchboard operator's set
- 24 main exchange line
- 25 switching box (automatic switching system, automatic connecting system, switching centre, *Am. center*)
- 26 extension
- 27-41 telephone exchange
- 27 fault repair service
- 28 maintenance technician
- 29 testing board (testing desk)
- 30 telegraphy
- 31 teleprinter (teletypewriter)
- 32 paper tape
- 33 directory enquiries
- 34 information position (operator's position)
- 35 operator
- 36 microfilm reader
- 37 microfilm file
- 38 microfilm card with telephone numbers
- 39 date indicator display
- 40 testing and control station
- 41 switching centre (*Am. center*) for telephone, telex, and data transmission services
- 42 selector, a motor uniselector made of noble metals; *sim.*: electronic selector
- 43 contact arc (bank)
- 44 contact arm (wiper)
- 45 contact field
- 46 contact arm tag
- 47 electromagnet
- 48 selector motor
- 49 restoring spring (resetting spring)
- 50 communication links
- 51-52 satellite radio link
- 51 earth station with directional antenna
- 52 communications satellite with directional antenna
- 53 coastal station
- 54-55 intercontinental radio link
- 54 short-wave station
- 55 ionosphere
- 56 submarine cable (deep-sea cable)
- 57 underwater amplifier
- 58 data transmission (data services)
- 59 input/output device for data carriers
- 60 data processor
- 61 teleprinter
- 62-64 data carriers
- 62 punched tape (punch tape)
- 63 magnetic tape
- 64 punched card (punch card)
- 65 telex link
- 66 teleprinter (page printer)
- 67 dialling (*Am. dialing*) unit
- 68 telex tape (punched tape, punch tape) for transmitting the text at maximum speed
- 69 telex message
- 70 keyboard



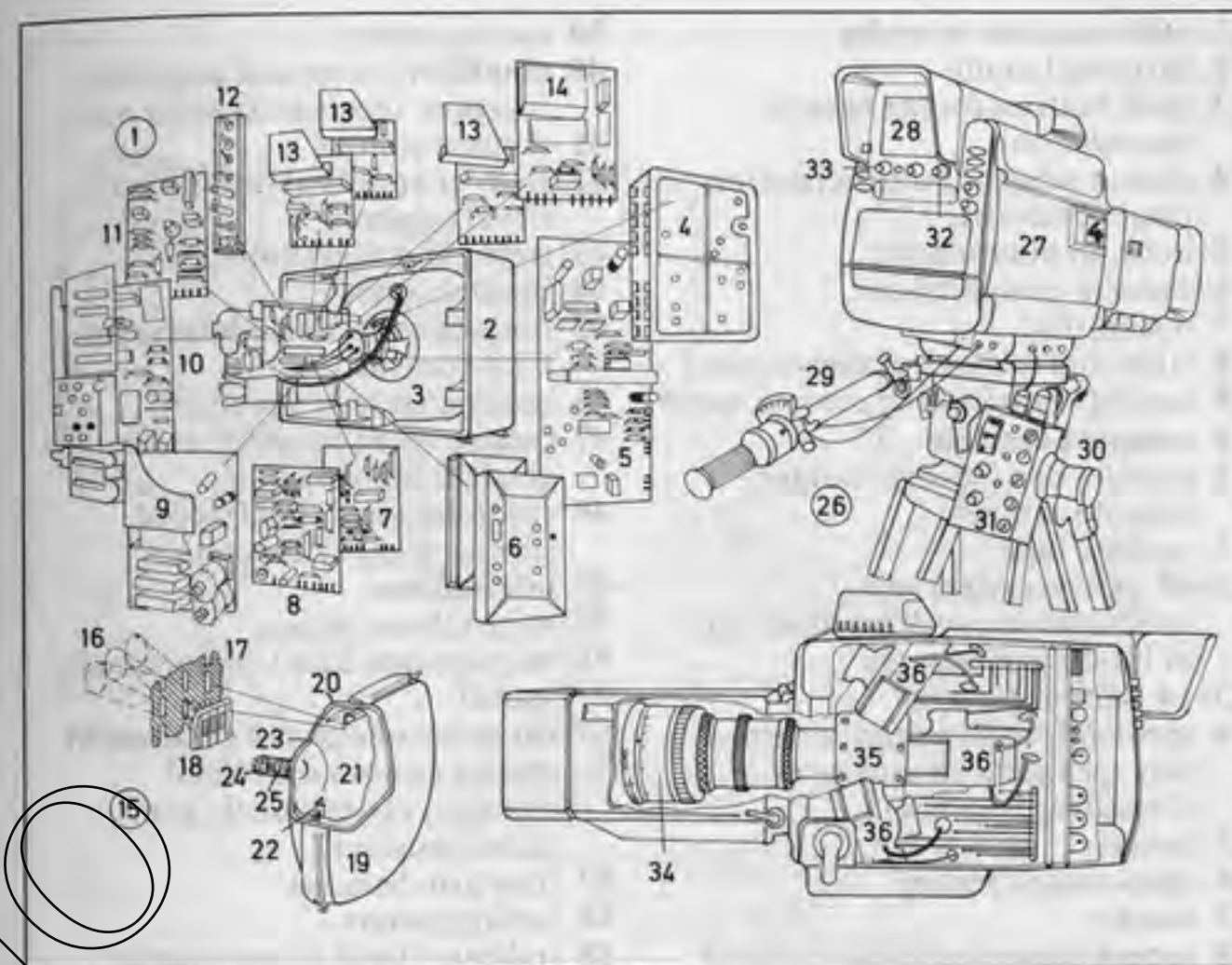
- 1-6 central recording channel of a radio station**
- 1 monitoring and control panel
 - 2 data display terminal (video data terminal, video monitor) for visual display of computer-controlled programmes (*Am.* programs)
 - 3 amplifier and mains power unit
 - 4 magnetic sound recording and playback deck for $\frac{1}{4}$ " magnetic tape
 - 5 magnetic tape, a $\frac{1}{4}$ " tape
 - 6 film spool holder
- 7-15 radio switching centre (*Am.* center) control room**
- 7 monitoring and control panel
 - 8 talkback speaker
 - 9 local-battery telephone
 - 10 talkback microphone
 - 11 data display terminal (video data terminal)
 - 12 teleprinter
 - 13 input keyboard for computer data
 - 14 telephone switchboard panel
 - 15 monitoring speaker (control speaker)
- 16-26 broadcasting centre (*Am.* center)**
- 16 recording room
 - 17 production control room (control room)
 - 18 studio
 - 19 sound engineer (sound control engineer)
 - 20 sound control desk (sound control console)
 - 21 newsreader (newscaster)
 - 22 duty presentation officer
 - 23 telephone for phoned reports
 - 24 record turntable
 - 25 recording room mixing console (mixing desk, mixer)
 - 26 sound technician (sound mixer, sound recordist)
- 27-53 television post-sync studio**
- 27 sound production control room (sound control room)
 - 28 dubbing studio (dubbing theatre, *Am.* theater)
 - 29 studio table
 - 30 visual signal
 - 31 electronic stopclock
 - 32 projection screen
 - 33 monitor
 - 34 studio microphone
 - 35 sound effects box
 - 36 microphone socket panel
 - 37 recording speaker (recording loudspeaker)
 - 38 control room window (studio window)
 - 39 producer's talkback microphone
 - 40 local-battery telephone
 - 41 sound control desk (sound control console)
 - 42 group selector switch
 - 43 visual display
 - 44 limiter display (clipper display)
 - 45 control modules
 - 46 pre-listening buttons
 - 47 slide control
 - 48 universal equalizer (universal corrector)
 - 49 input selector switch
 - 50 pre-listening speaker
 - 51 tone generator
 - 52 talkback speaker
 - 53 talkback microphone
- 54-59 pre-mixing room for transferring and mixing 16 mm, 17.5 mm, 35 mm perforated magnetic film**
- 54 sound control desk (sound control console)
 - 55 compact magnetic tape recording and playback equipment
 - 56 single playback deck
 - 57 central drive unit
 - 58 single recording and playback deck
 - 59 rewind bench
- 60-65 final picture quality checking room**
- 60 preview monitor
 - 61 programme (*Am.* program) monitor
 - 62 stopclock
 - 63 vision mixer (vision-mixing console, vision-mixing desk)
 - 64 talkback system (talkback equipment)
 - 65 camera monitor (picture monitor)





- 1-15 outside broadcast (OB) vehicle** (television OB van; also: sound OB van, radio OB van)
- 1 rear equipment section of the OB vehicle**
- 2 camera cable**
- 3 cable connection panel**
- 4 television (TV) reception aerial** (receiving aerial) for Channel I
- 5 television (TV) reception aerial** (receiving aerial) for Channel II
- 6 interior equipment (on-board equipment) of the OB vehicle**
- 7 sound production control room** (sound control room)
- 8 sound control desk** (sound control console)
- 9 monitoring loudspeaker**
- 10 vision control room** (video control room)
- 11 video controller** (vision controller)
- 12 camera monitor** (picture monitor)

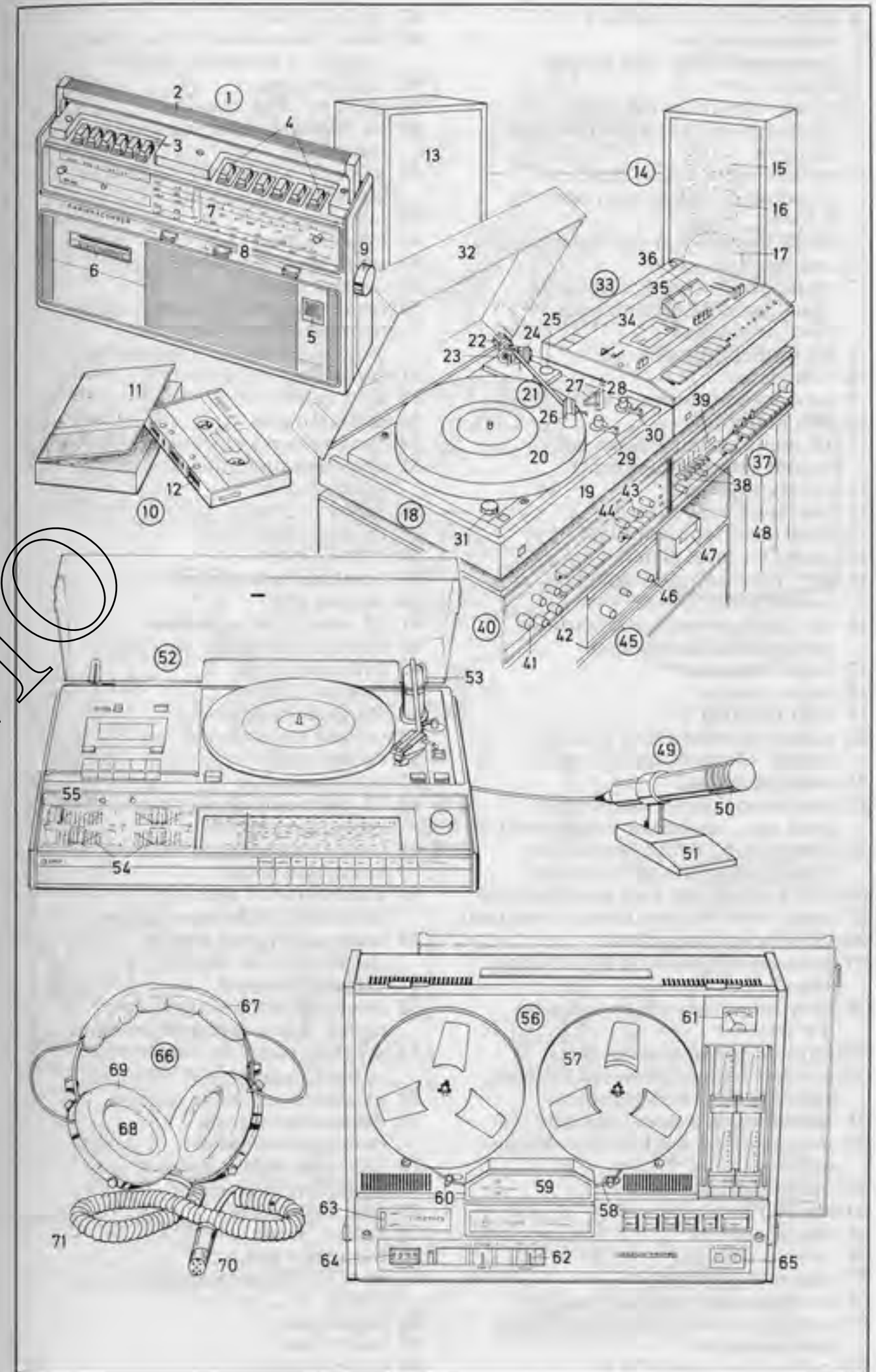
- 13 on-board telephone** (intercommunication telephone)
- 14 microphone cable**
- 15 air-conditioning equipment**



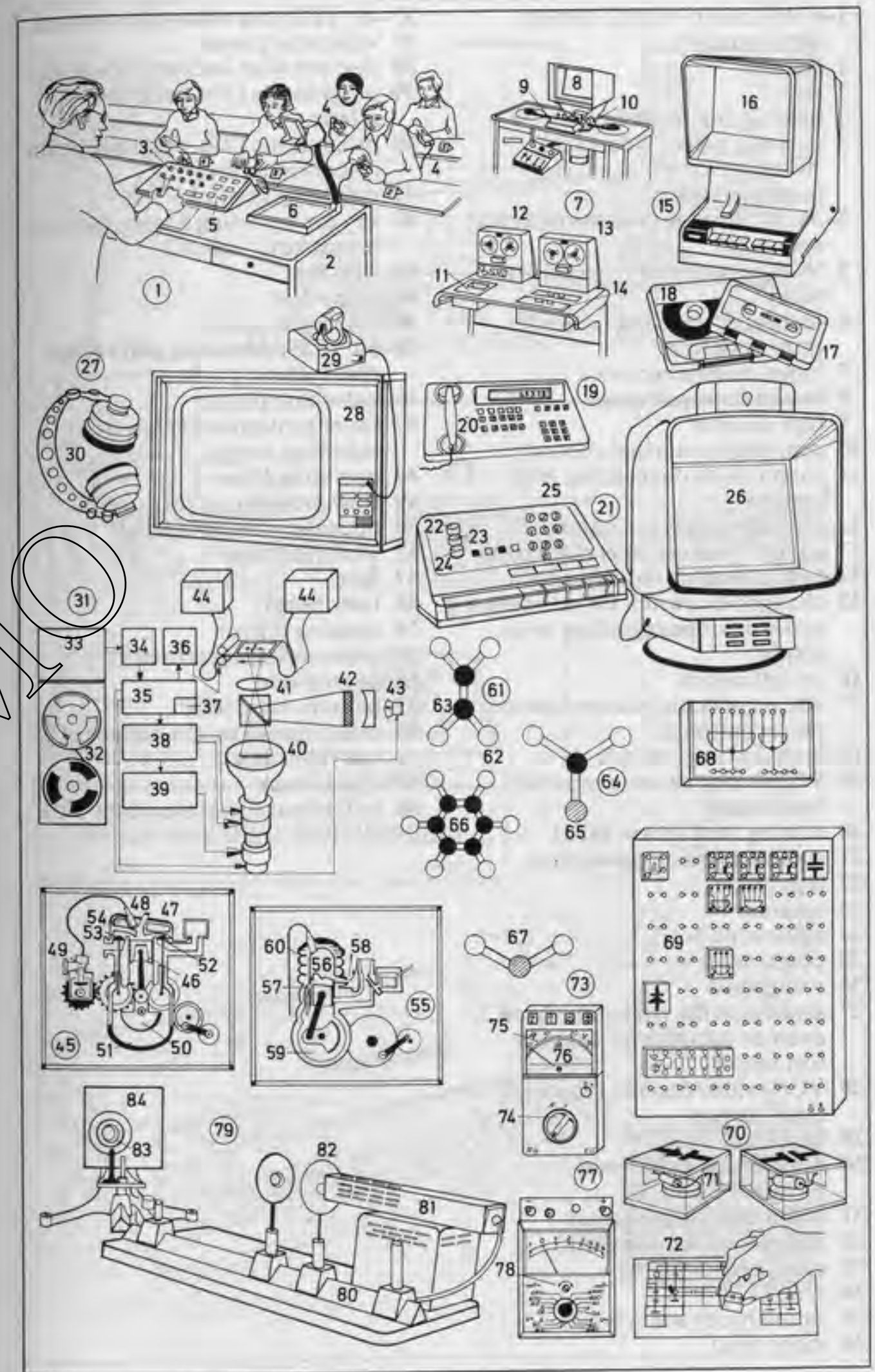
- 1 colour (Am. color) television (TV) receiver** (colour television set) of modular design
- 2 television cabinet**
- 3 television tube** (picture tube)
- 4 IF (intermediate frequency) amplifier module**
- 5 colour (Am. color) decoder module**
- 6 VHF and UHF tuner**
- 7 horizontal synchronizing module**
- 8 vertical deflection module**
- 9 horizontal linearity control module**
- 10 horizontal deflection module**
- 11 control module**
- 12 convergence module**
- 13 colour (Am. color) output stage module**
- 14 sound module**
- 15 colour (Am. color) picture tube**
- 16 electron beams**
- 17 shadow mask with elongated holes**

- 18 strip of fluorescent (luminescent, phosphorescent) material**
- 19 coating (film) of fluorescent material**
- 20 inner magnetic screen (screening)**
- 21 vacuum**
- 22 temperature-compensated shadow mask mount**
- 23 centring (centering) ring for the deflection system**
- 24 electron gun assembly**
- 25 rapid heat-up cathode**
- 26 television (TV) camera**
- 27 camera head**
- 28 camera monitor**
- 29 control arm** (control lever)
- 30 focusing adjustment**
- 31 control panel**
- 32 contrast control**
- 33 brightness control**
- 34 zoom lens**
- 35 beam-splitting prism** (beam splitter)
- 36 pickup unit** (colour, Am. color, pickup tube)

- 1 radio cassette recorder
- 2 carrying handle
- 3 push buttons for the cassette recorder unit
- 4 station selector buttons (station preset buttons)
- 5 built-in microphone
- 6 cassette compartment
- 7 tuning dial
- 8 slide control [for volume or tone]
- 9 tuning knob (tuning control, tuner)
- 10 compact cassette
- 11 cassette box (cassette holder, cassette cabinet)
- 12 cassette tape
- 13-48 stereo system (also: quadraphonic system) made up of Hi-Fi components
- 13-14 stereo speakers
- 14 speaker (loudspeaker), a three-way speaker with crossover (crossover network)
- 15 tweeter
- 16 mid-range speaker
- 17 woofer
- 18 record player (automatic record changer, auto changer)
- 19 record player housing (record player base)
- 20 turntable
- 21 tone arm
- 22 counterbalance (counterweight)
- 23 gimbal suspension
- 24 stylus pressure control (stylus force control)
- 25 anti-skate control
- 26 magnetic cartridge with (conical or elliptical) stylus, a diamond
- 27 tone arm lock
- 28 tone arm lift
- 29 speed selector (speed changer)
- 30 starter switch
- 31 treble control
- 32 dust cover
- 33 stereo cassette deck
- 34 cassette compartment
- 35-36 recording level meters (volume unit meters, VU meters)
- 35 left-channel recording level meter
- 36 right-channel recording level meter
- 37 tuner
- 38 VHF (FM) station selector buttons
- 39 tuning meter
- 40 amplifier; tuner and amplifier together: receiver (control unit)
- 41 volume control
- 42 four-channel balance control (level control)
- 43 treble and bass tuning
- 44 input selector
- 45 four-channel demodulator for CD4 records
- 46 quadra/stereo converter
- 47 cassette box (cassette holder, cassette cabinet)
- 48 record storage slots (record storage compartments)
- 49 microphone
- 50 microphone screen
- 51 microphone base (microphone stand)
- 52 three-in-one stereo component system (automatic record changer, cassette deck, and stereo receiver)
- 53 tone arm balance
- 54 tuning meters
- 55 indicator light for automatic FeO/CrO₂ tape switch-over
- 56 open-reel-type recorder, a two or four-track unit
- 57 tape reel (open tape reel)
- 58 open-reel tape (recording tape, 1/4" tape)
- 59 sound head housing with erasing head (erase head), recording head, and reproducing head (or: combined head)
- 60 tape deflector roller and end switch (limit switch)
- 61 recording level meter (VU meter)
- 62 tape speed selector
- 63 on/off switch
- 64 tape counter
- 65 stereo microphone sockets (stereo microphone jacks)
- 66 headphones (headset)
- 67 padded headband (padded headpiece)
- 68 membrane
- 69 earcups (earphones)
- 70 headphone cable plug, a standard multi-pin plug
- 71 headphone cable (headphone cord)

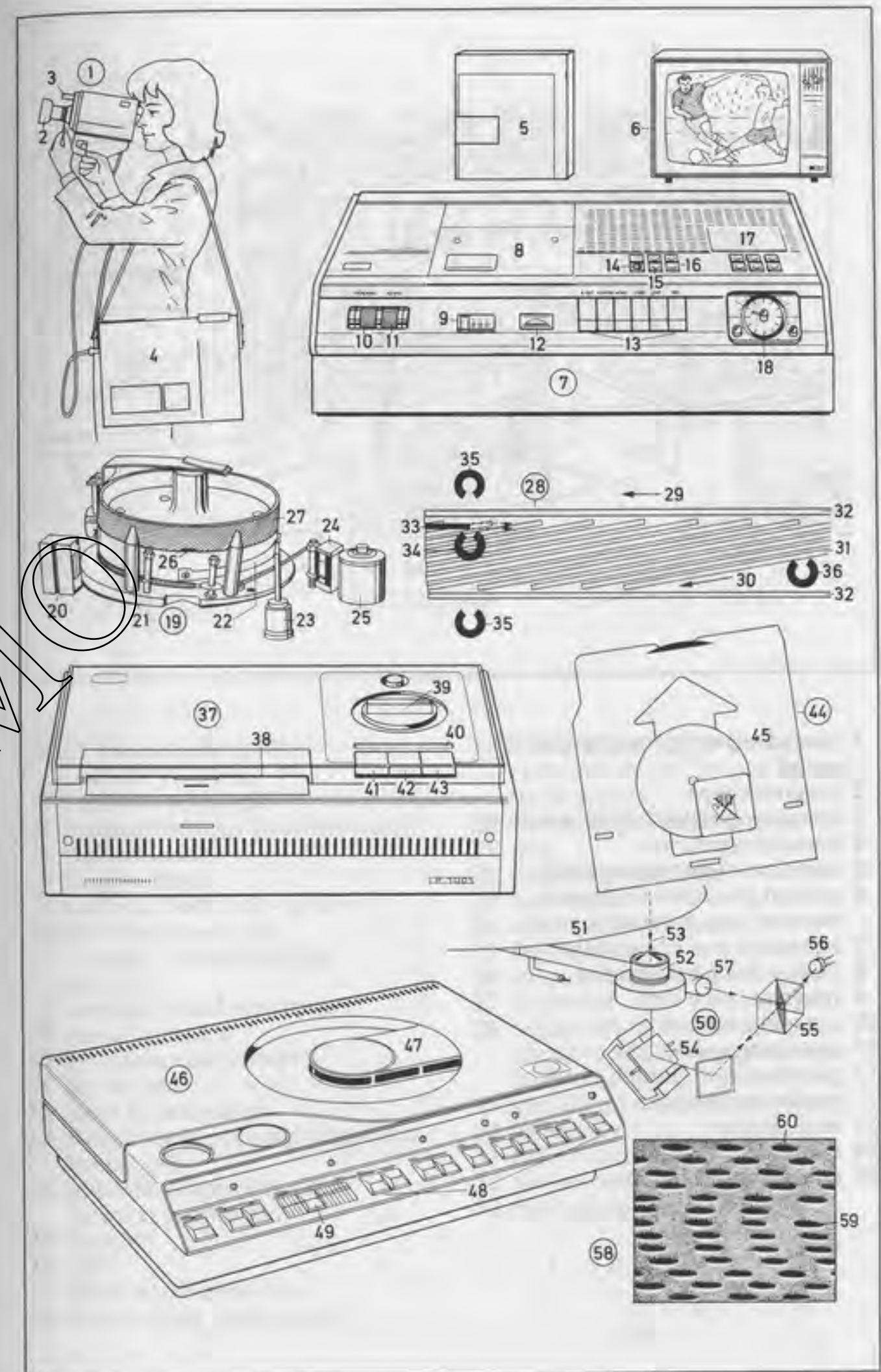


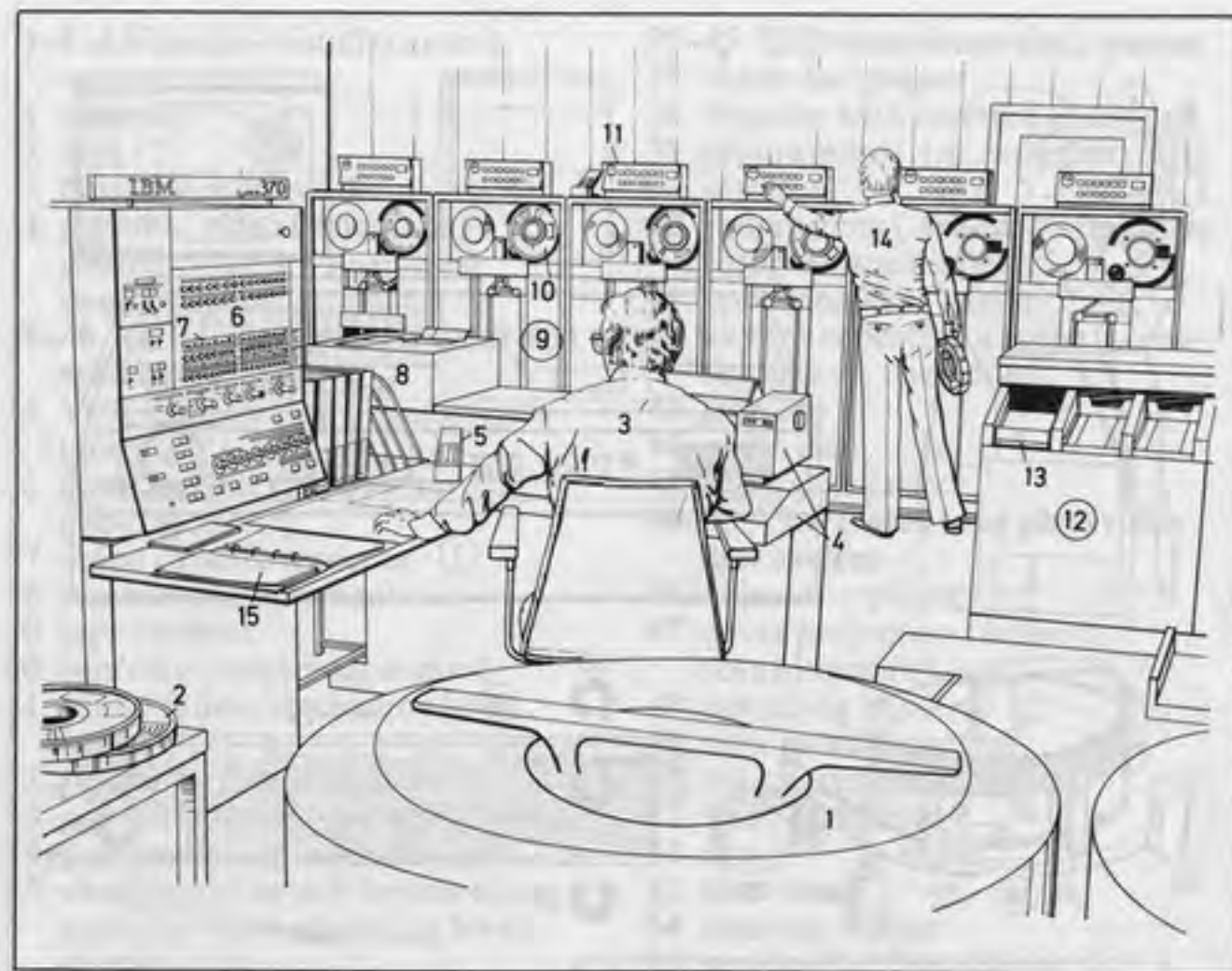
- 1 group instruction using a teaching machine
- 2 instructor's desk with central control unit
- 3 master control panel with individual displays and cross total counters
- 4 student input device (student response device) in the hand of a student
- 5 study step counter (progress counter)
- 6 overhead projector
- 7 apparatus for producing audio-visual learning programmes (Am. programs)
- 8-10 frame coding device
- 8 film viewer
- 9 memory unit (storage unit)
- 10 film perforator
- 11-14 audio coding equipment (sound coding equipment)
- 11 coding keyboard
- 12 two-track tape recorder
- 13 four-track tape recorder
- 14 recording level meter
- 15 PIP (programmed individual presentation) system
- 16 AV (audio-visual) projector for programmed instruction
- 17 audio cassette
- 18 video cassette
- 19 data terminal
- 20 telephone connection with the central data collection station
- 21 video telephone
- 22 conference circuit (conference hook-up, conference connection)
- 23 camera tube switch (switch for transmitting speaker's picture)
- 24 talk button (talk key, speaking key)
- 25 touch-tone buttons (touch-tone pad)
- 26 video telephone screen
- 27 infrared transmission of television sound
- 28 television receiver (television set, TV set)
- 29 infrared sound transmitter
- 30 cordless battery-powered infrared sound headphones (headset)
- 31 microfilming system [diagram]
- 32 magnetic tape station (data storage unit)
- 33 buffer storage
- 34 adapter unit
- 35 digital control
- 36 camera control
- 37 character storage
- 38 analogue (Am. analog) control
- 39 correction (adjustment) of picture tube geometry
- 40 cathode ray tube (CRT)
- 41 optical system
- 42 slide (transparency) of a form for mixing-in images of forms
- 43 flash lamp
- 44 universal film cassettes
- 45-84 demonstration and teaching equipment
- 45 demonstration model of a four-stroke engine
- 46 piston
- 47 cylinder head
- 48 spark plug (sparking plug)
- 49 contact breaker
- 50 crankshaft with balance weights (counterbalance weights) (counterbalanced crankshaft)
- 51 crankcase
- 52 inlet valve
- 53 exhaust valve
- 54 coolant bores (cooling water bores)
- 55 demonstration model of a two-stroke engine
- 56 deflector piston
- 57 transfer port
- 58 exhaust port
- 59 crankcase scavenging
- 60 cooling ribs
- 61-67 models of molecules
- 61 ethylene molecule
- 62 hydrogen atom
- 63 carbon atom
- 64 formaldehyde atom
- 65 oxygen molecule
- 66 benzene ring
- 67 water molecule
- 68-72 electronic circuits made up of modular elements
- 68 logic element (logic module), an integrated circuit
- 69 plugboard for electronic elements (electronic modules)
- 70 linking (link-up, joining, connection) of modules
- 71 magnetic contact
- 72 assembly (construction) of a circuit, using magnetic modules
- 73 multiple meter for measuring current, voltage and resistance
- 74 measurement range selector
- 75 measurement scale (measurement dial)
- 76 indicator needle (pointer)
- 77 current/voltage meter
- 78 adjusting screw
- 79 optical bench
- 80 triangular rail
- 81 laser (teaching laser, instruction laser)
- 82 diaphragm
- 83 lens system
- 84 target (screen)



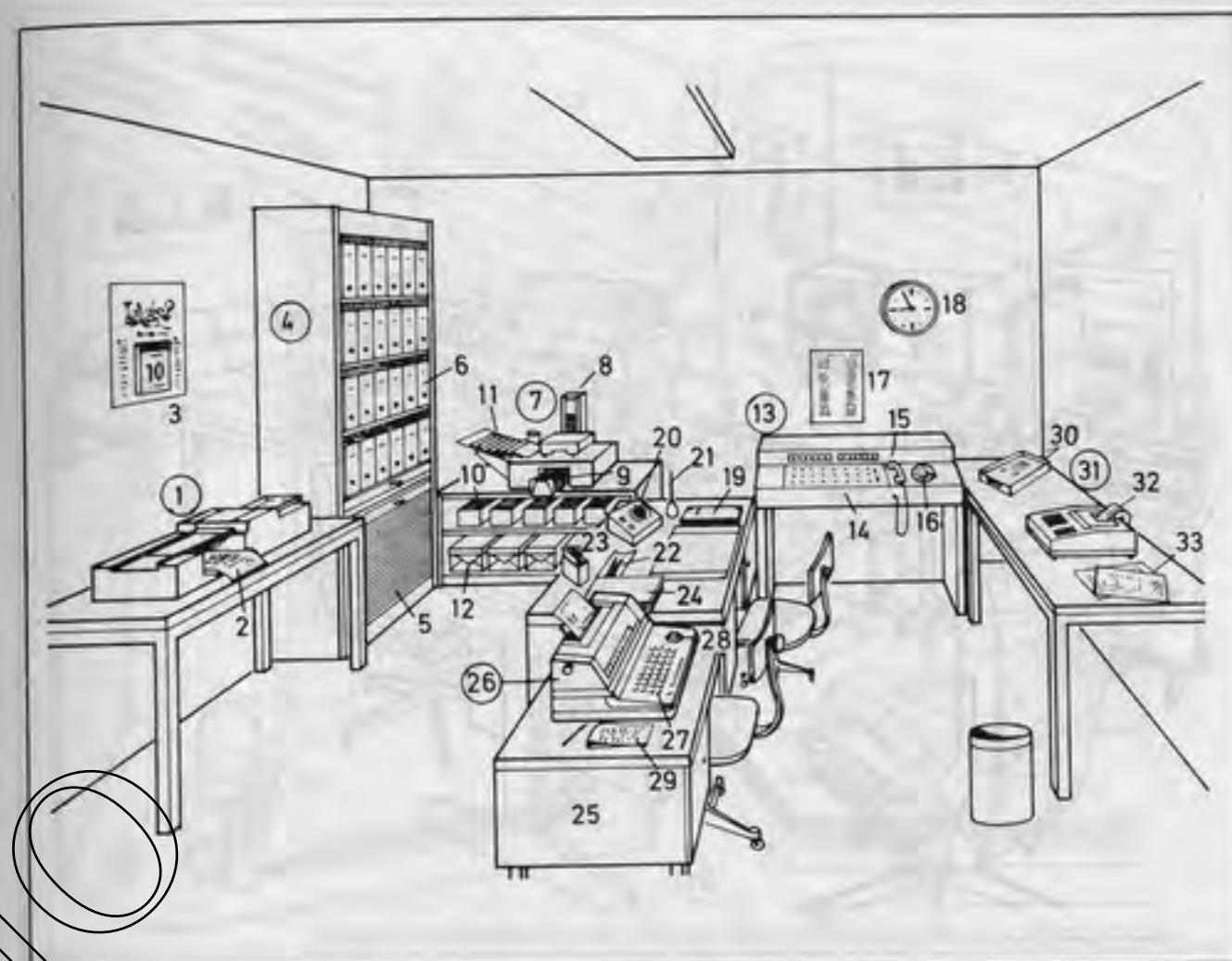
- 1-4 AV (audio-visual) camera with recorder
 1 camera
 2 lens
 3 built-in microphone
 4 portable video (videotape) recorder (for $\frac{1}{4}$ " open-reel magnetic tape)
 5-36 VCR (video cassette recorder) system
 5 VCR cassette (for $\frac{1}{2}$ " magnetic tape)
 6 domestic television receiver (also: monitor)
 7 video cassette recorder
 8 cassette compartment
 9 tape counter
 10 centring (centering) control
 11 sound (audio) recording level control
 12 recording level indicator
 13 control buttons (operating keys)
 14 tape threading indicator light
 15 changeover switch for selecting audio or video recording level display
 16 on/off switch
 17 station selector buttons (station preset buttons)
 18 built-in timer switch
 19 VCR (video cassette recorder) head drum
 20 erasing head (erase head)
 21 stationary guide (guide pin)
 22 tape guide
 23 capstan
 24 audio sync head
 25 pinch roller
 26 video head
 27 grooves in the wall of the head drum to promote air cushion formation
 28 VCR (video cassette recorder) track format
 29 tape feed
 30 direction of video head movement
 31 video track, a slant track
 32 sound track (audio track)
 33 sync track
 34 sync head
 35 sound head (audio head)
 36 video head

- 37-45 TED (television disc) system
 37 video disc player
 38 disc slot with inserted video disc
 39 programme (Am. program) selector
 40 programme (Am. program) scale (programme dial)
 41 operating key ('play')
 42 key for repeating a scene (scene-repeat key, 'select')
 43 stop key
 44 video disc
 45 video disc jacket
 46-60 VLP (video long play) video disc system
 46 video disc player
 47 cover projection (below it: scanning zone)
 48 operating keys
 49 slow motion control
 50 optical system [diagram]
 51 VLP video disc
 52 lens
 53 laser beam
 54 rotating mirror
 55 semi-reflecting mirror
 56 photodiode
 57 helium-neon laser
 58 video signals on the surface of the video disc
 59 signal track
 60 individual signal element ('pit')



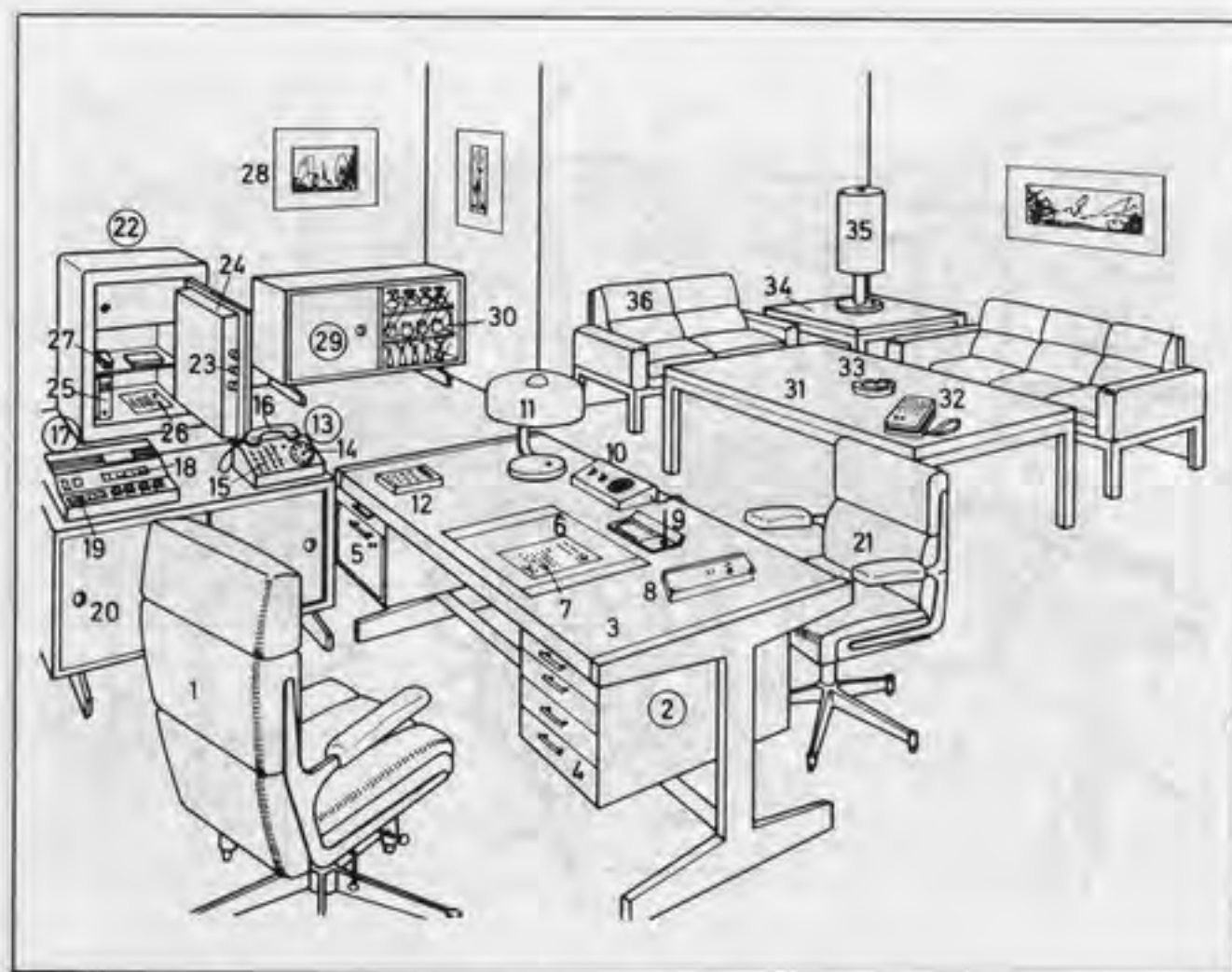


- 1 disc (disk) store (magnetic disc store)
- 2 magnetic tape
- 3 console operator (chief operator)
- 4 console typewriter
- 5 intercom (intercom system)
- 6 central processor with main memory and arithmetic unit
- 7 operation and error indicators
- 8 floppy disc (disk) reader
- 9 magnetic tape unit
- 10 magnetic tape reel
- 11 operating indicators
- 12 punched card (punch card) reader and punch
- 13 card stacker
- 14 operator
- 15 operating instructions



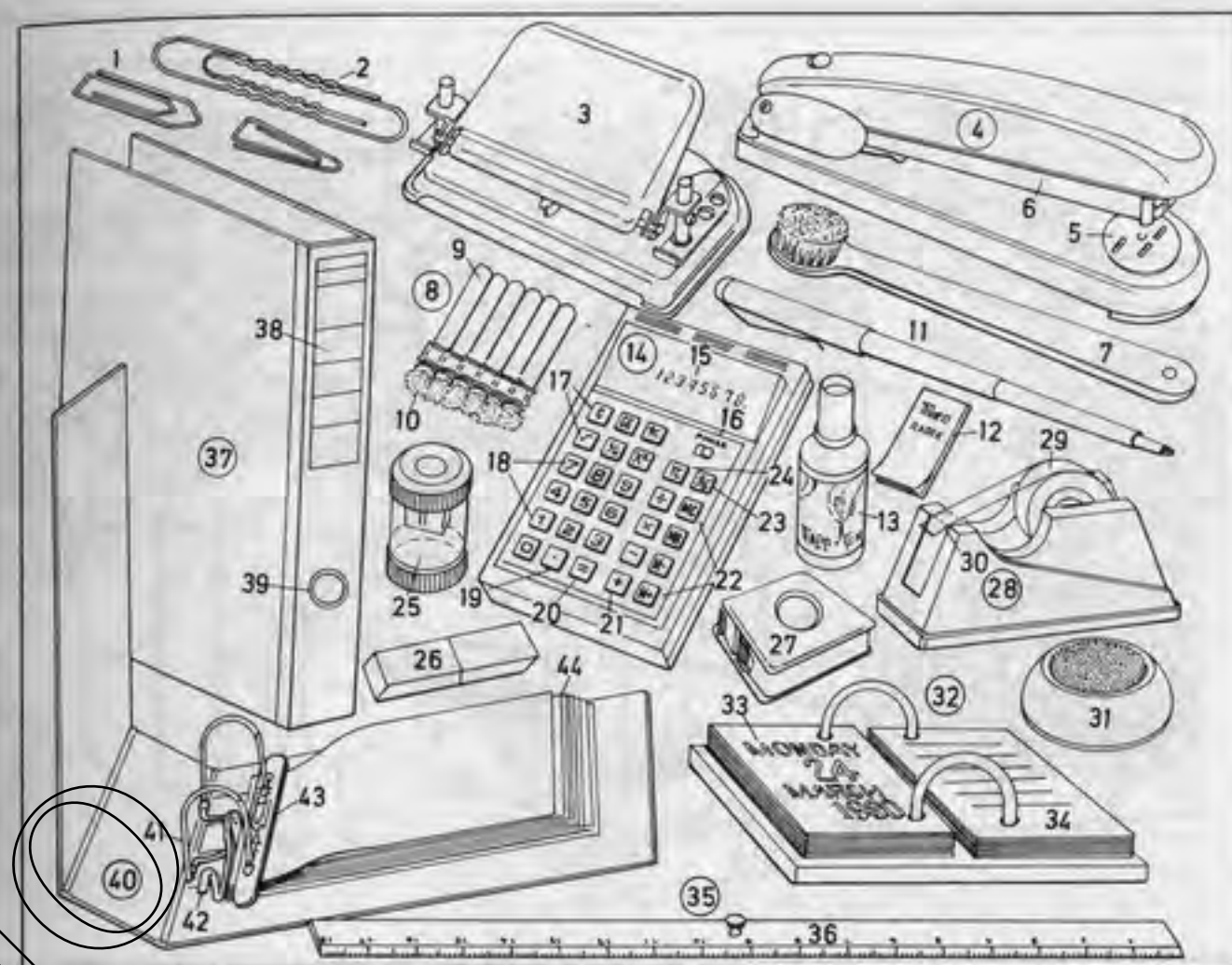
1-33 receptionist's office (secretary's office)

- 1 facsimile telegraph
- 2 transmitted copy (received copy)
- 3 wall calendar
- 4 filing cabinet
- 5 tambour door (roll-up door)
- 6 file (document file)
- 7 transfer-type addressing machine
- 8 vertical stencil magazine
- 9 stencil ejection
- 10 stencil storage drawer
- 11 paper feed
- 12 stock of notepaper
- 13 switchboard (internal telephone exchange)
- 14 push-button keyboard for internal connections
- 15 handset
- 16 dial
- 17 internal telephone list
- 18 master clock (main clock)
- 19 folder containing documents, correspondence, etc. for signing (to be signed)
- 20 intercom (office intercom)
- 21 pen
- 22 pen and pencil tray
- 23 card index
- 24 stack (set) of forms
- 25 typing desk
- 26 memory typewriter
- 27 keyboard
- 28 rotary switch for the main memory and the magnetic tape loop
- 29 shorthand pad (Am. steno pad)
- 30 letter tray
- 31 office calculator
- 32 printer
- 33 business letter

**1-36 executive's office**

- 1 swivel chair
- 2 desk
- 3 writing surface (desk top)
- 4 desk drawer
- 5 cupboard (storage area) with door
- 6 desk mat (blotter)
- 7 business letter
- 8 appointments diary
- 9 desk set
- 10 intercom (office intercom)
- 11 desk lamp
- 12 pocket calculator (electronic calculator)
- 13 telephone, an executive-secretary system
- 14 dial; *also*: push-button keyboard
- 15 call buttons
- 16 receiver (telephone receiver)
- 17 dictating machine
- 18 position indicator
- 19 control buttons (operating keys)
- 20 cabinet

- 21 visitor's chair
- 22 safe
- 23 bolts (locking mechanism)
- 24 armour (*Am.* armor) plating
- 25 confidential documents
- 26 patent
- 27 petty cash
- 28 picture
- 29 bar (drinks cabinet)
- 30 bar set
- 31-36 conference grouping
- 31 conference table
- 32 pocket-sized dictating machine (micro cassette recorder)
- 33 ashtray
- 34 corner table
- 35 table lamp
- 36 two-seater sofa [part of the conference grouping]



- 1-44 office equipment (office supplies, office materials)
- 1, 2 paper clips
- 3 punch
- 4 stapler (stapling machine)
- 5 anvil
- 6 spring-loaded magazine
- 7 type-cleaning brush for typewriters
- 8 type cleaner (type-cleaning kit)
- 9 fluid container (fluid reservoir)
- 10 cleaning brush
- 11 felt tip pen
- 12 correcting paper [for typing errors]
- 13 correcting fluid [for typing errors]
- 14 electronic pocket calculator
- 15 eight-digit fluorescent display
- 16 on/off switch
- 17 function keys
- 18 number keys
- 19 decimal key
- 20 'equals' key
- 21 instruction keys (command keys)
- 22 memory keys
- 23 percent key (percentage key)

- 24 π -key (pi-key) for mensuration of circles
- 25 pencil sharpener
- 26 typewriter rubber
- 27 adhesive tape dispenser
- 28 adhesive tape holder (roller-type adhesive tape dispenser)
- 29 roll of adhesive tape
- 30 tear-off edge
- 31 moistener
- 32 desk diary
- 33 date sheet (calendar sheet)
- 34 memo sheet
- 35 ruler
- 36 centimetre and millimetre (*Am.* centimeter and millimeter) graduations
- 37 file (document file)
- 38 spine label (spine tag)
- 39 finger hole
- 40 arch board file
- 41 arch unit
- 42 release lever (locking lever, release/lock lever)
- 43 compressor
- 44 bank statement (statement of account)

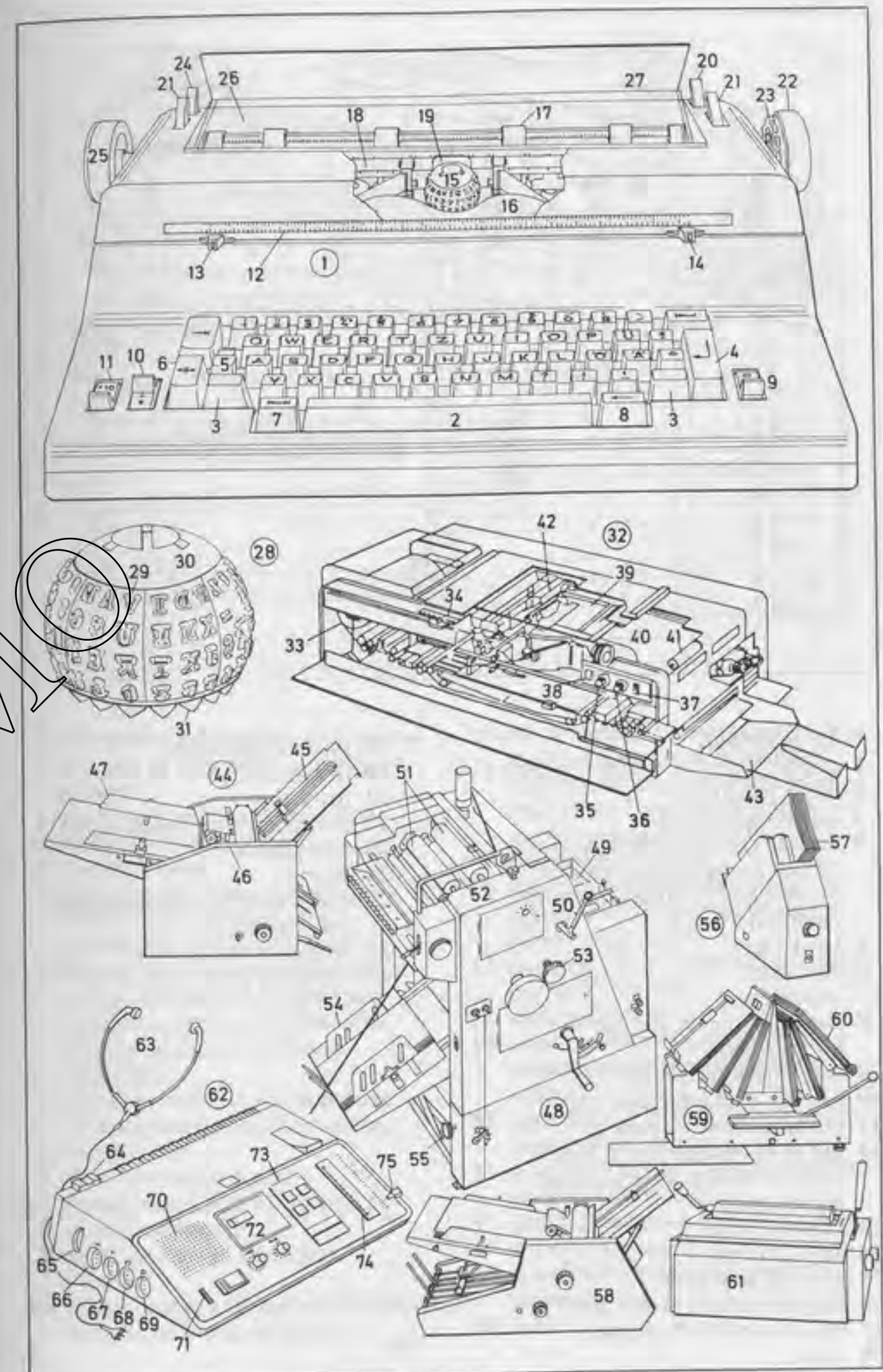
**1-48 open plan office**

- 1 partition wall (partition screen)
- 2 filing drawer with suspension file system
- 3 suspension file
- 4 file tab
- 5 file (document file)
- 6 filing clerk
- 7 clerical assistant
- 8 note for the files
- 9 telephone
- 10 filing shelves
- 11 clerical assistant's desk
- 12 office cupboard
- 13 plant stand (planter)
- 14 indoor plants (houseplants)
- 15 programmer
- 16 data display terminal (visual display unit)
- 17 customer service representative
- 18 customer
- 19 computer-generated design (computer-generated art)
- 20 sound-absorbing partition
- 21 typist
- 22 typewriter
- 23 filing drawer
- 24 customer card index
- 25 office chair, a swivel chair
- 26 typing desk
- 27 card index box
- 28 multi-purpose shelving
- 29 proprietor
- 30 business letter
- 31 proprietor's secretary
- 32 shorthand pad (*Am.* steno pad)
- 33 audio typist
- 34 dictating machine
- 35 earphone
- 36 statistics chart
- 37 pedestal containing a cupboard or drawers
- 38 sliding-door cupboard
- 39 office furniture arranged in an angular configuration
- 40 wall-mounted shelf
- 41 letter tray



- 42 wall calendar
- 43 data centre (*Am.* center)
- 44 calling up information on the data display terminal (visual display unit)
- 45 waste paper basket
- 46 sales statistics
- 47 EDP print-out, a continuous fan-fold sheet
- 48 connecting element

- 1 electric typewriter, a golf ball typewriter
- 2-6 keyboard
- 2 space bar
- 3 shift key
- 4 line space and carrier return key
- 5 shift lock
- 6 margin release key
- 7 tabulator key
- 8 tabulator clear key
- 9 on/off switch
- 10 striking force control (impression control)
- 11 ribbon selector
- 12 margin scale
- 13 left margin stop
- 14 right margin stop
- 15 golf ball (spherical typing element) bearing the types
- 16 ribbon cassette
- 17 paper bail with rollers
- 18 platen
- 19 typing opening (typing window)
- 20 paper release lever
- 21 carrier return lever
- 22 platen knob
- 23 line space adjuster
- 24 variable platen action lever
- 25 push-in platen variable
- 26 erasing table
- 27 transparent cover
- 28 exchange golf ball (exchange typing element)
- 29 type
- 30 golf ball cap (cap of typing element)
- 31 teeth
- 32 web-fed automatic copier
- 33 magazine for paper roll
- 34 paper size selection (format selection)
- 35 print quantity selection
- 36 contrast control
- 37 main switch (on/off switch)
- 38 start print button
- 39 document glass
- 40 transfer blanket
- 41 toner roll
- 42 exposure system
- 43 print delivery (copy delivery)
- 44 letter-folding machine
- 45 paper feed
- 46 folding mechanism
- 47 receiving tray
- 48 small offset press
- 49 paper feed
- 50 lever for inking the plate cylinder
- 51-52 inking unit (inker unit)
- 51 distributing roller (distributor)
- 52 ink roller (inking roller, fountain roller)
- 53 pressure adjustment
- 54 sheet delivery (receiving table)
- 55 printing speed adjustment
- 56 jogger for aligning the piles of sheets
- 57 pile of paper (pile of sheets)
- 58 folding machine
- 59 gathering machine (collating machine, assembling machine) for short runs
- 60 gathering station (collating station, assembling station)
- 61 adhesive binder (perfect binder) for hot adhesives
- 62 magnetic tape dictating machine
- 63 headphones (headset, earphones)
- 64 on/off switch
- 65 microphone cradle
- 66 foot control socket
- 67 telephone adapter socket
- 68 headphone socket (earphone socket, headset socket)
- 69 microphone socket
- 70 built-in loudspeaker
- 71 indicator lamp (indicator light)
- 72 cassette compartment
- 73 forward wind, rewind, and stop buttons
- 74 time scale with indexing marks
- 75 time scale stop



24

390 390
390 390

Pay to the order of 25
Smith, Jones & Robinson (Coventry) Ltd

For and on behalf of 26
Carnalhaus - Cartwright - Ltd

Authorized Signatory 27
C. Secretary

EXCHANGE FOR £8,000

At 16 days after sight pay this 13 First Bill of Exchange 14 to the Order of 17

(Second of same tenor and date unpaid)

Value Received 19 18 the sum of EIGHT THOUSAND SIX HUNDRED AND NO/100 POUNDS

To 20 Carnalhaus & Cartwright - Ltd, 21 For and on behalf of: 15
Salford House, King Street, Smith, Jones & Robinson (Coventry) Ltd, 14
Edmonton, LONDON

ACCEPTED 5 7 8 23
BY 22
Carnalhaus - Cartwright - Ltd
BARCLAYS BANK LTD
LOMBARD STREET - LONDON E.C.3

11

1000 DM DRESNER BANK 63701

12 13

DM 14

15 16

17

18

19

- 1-11 main hall
- 1 cashier's desk (cashier's counter)
- 2 teller (cashier)
- 3 bullet-proof glass
- 4 service counters (service and advice for savings accounts, private and company accounts, personal loans)
- 5 bank clerk
- 6 customer
- 7 brochures
- 8 stock list (price list, list of quotations)
- 9 information counter
- 10 foreign exchange counter
- 11 entrance to strong room
- 12 bill of exchange (bill); here: a draft, an acceptance (a bank acceptance)
- 13 place of issue
- 14 date of issue
- 15 place of payment
- 16 date of maturity (due date)
- 17 bill clause (draft clause)
- 18 value

- 19 payee (remittee)
- 20 drawee (payer)
- 21 drawer
- 22 domiciliation (paying agent)
- 23 acceptance
- 24 stamp
- 25 endorsement (indorsement, transfer entry)
- 26 endorsee (indorsee)
- 27 endorser (indorser)

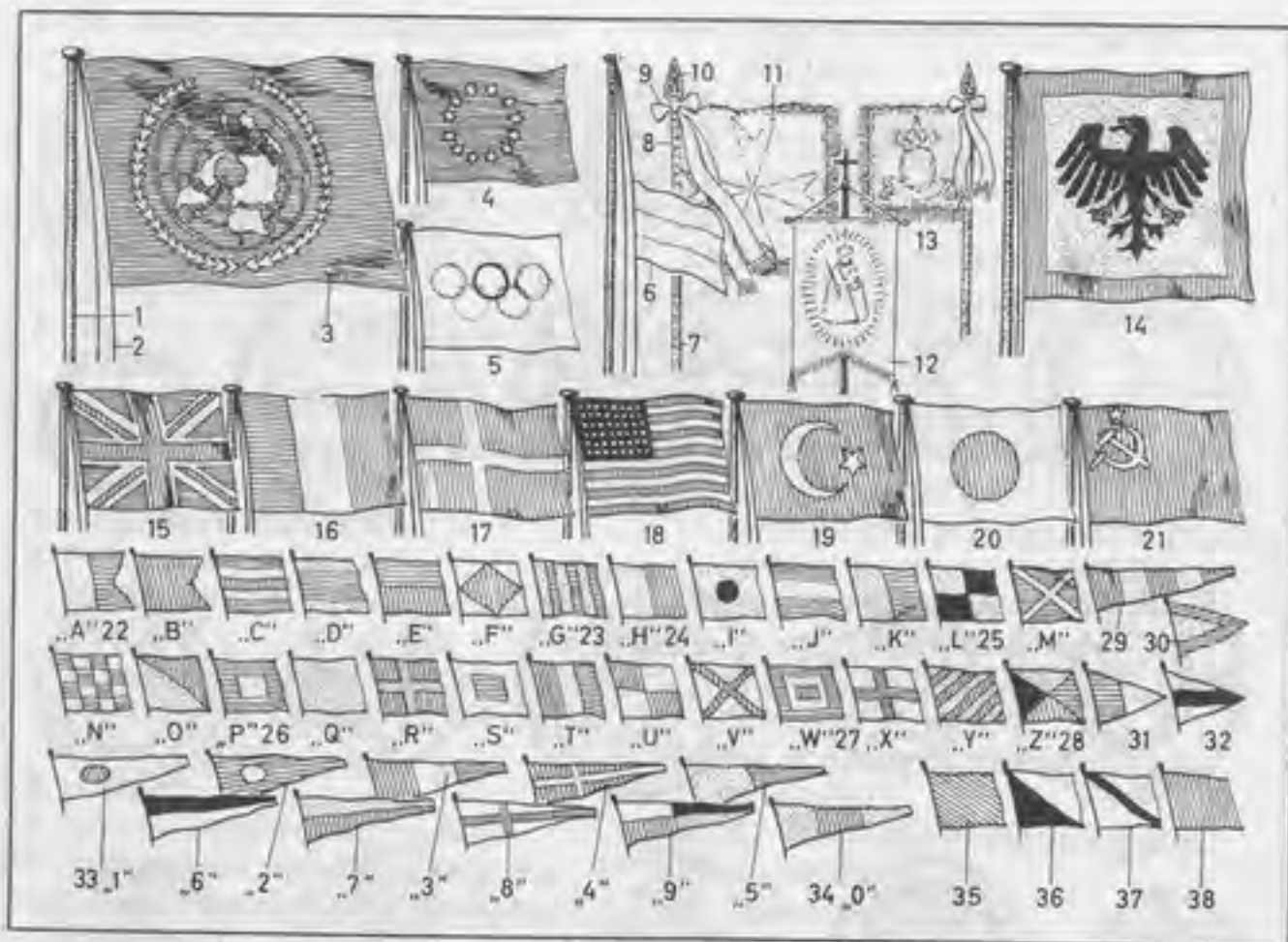
- 1-10 stock exchange (exchange for the sale of securities, stocks, and bonds)
- 1 exchange hall (exchange floor)
- 2 market for securities
- 3 broker's post
- 4 sworn stockbroker (exchange broker, stockbroker, Am. specialist), an inside broker
- 5 kerbstone broker (kerbstoner, curbstoner, curbstoner, outside broker), a commercial broker dealing in unlisted securities
- 6 member of the stock exchange (stockjobber, Am. floor trader, room trader)
- 7 stock exchange agent (boardman), a bank employee
- 8 quotation board
- 9 stock exchange attendant (waiter)
- 10 telephone box (telephone booth, telephone kiosk, call box)

- 11-19 securities; kinds: share (Am. stock), fixed-income security, annuity, bond, debenture bond, municipal bond (corporation stock), industrial bond, convertible bond
- 11 share certificate (Am. stock certificate); here: bearer share (share warrant)
- 12 par (par value, nominal par, face par) of the share
- 13 serial number
- 14 page number of entry in bank's share register (bank's stock ledger)
- 15 signature of the chairman of the board of governors
- 16 signature of the chairman of the board of directors
- 17 sheet of coupons (coupon sheet, dividend coupon sheet)
- 18 dividend warrant (dividend coupon)
- 19 talon

- 1-28 coins (coin, coinage, metal money, specie, *Am.* hard money; kinds: gold, silver, nickel, copper, or aluminium, *Am.* aluminum, coins)
- 1 Athens: nugget-shaped tetradrachm (tetradrachmon, tetradrachma)
- 2 the owl (emblem of the city of Athens)
- 3 aureus of Constantine the Great
- 4 bracteate of Emperor Frederick I Barbarossa
- 5 Louis XIV louis-d'or
- 6 Prussia: 1 reichstaler (speciestaler) of Frederick the Great
- 7 Federal Republic of Germany: 5 Deutschmarks (DM); 1 DM = 100 pfennigs
- 8 obverse
- 9 reverse (subordinate side)
- 10 mint mark (mintage, exergue)
- 11 legend (inscription on the edge of a coin)
- 12 device (type), a provincial coat of arms
- 13 Austria: 25 schillings; 1 sch = 100 groschen
- 14 provincial coats of arms
- 15 Switzerland: 5 francs; 1 franc = 100 centimes
- 16 France: 1 franc = 100 centimes
- 17 Belgium: 100 francs
- 18 Luxembourg (Luxemburg): 1 franc
- 19 Netherlands: 2½ guilders; 1 guilder (florin, gulden) = 100 cents
- 20 Italy: 10 lire (sg. lira)
- 21 Vatican City: 10 lire (sg. lira)
- 22 Spain: 1 peseta = 100 céntimos
- 23 Portugal: 1 escudo = 100 centavos
- 24 Denmark: 1 krone = 100 öre
- 25 Sweden: 1 krona = 100 öre
- 26 Norway: 1 krone = 100 öre
- 27 Czechoslovakia: 1 koruna = 100 heller
- 28 Yugoslavia: 1 dinar = 100 paras
- 29-39 banknotes (*Am.* bills) (paper money, notes, treasury notes)

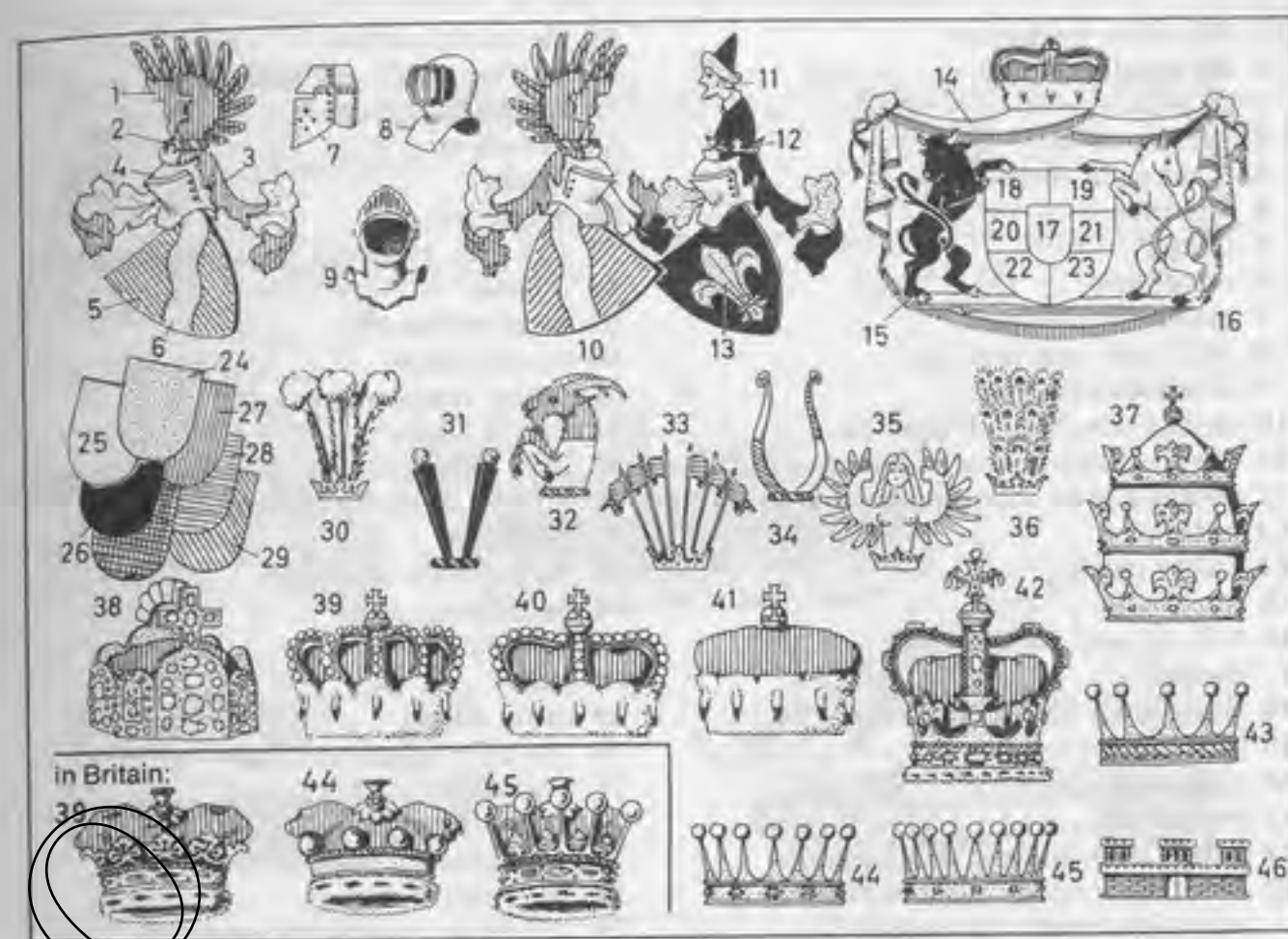
- 29 Federal Republic of Germany: 20 DM
- 30 bank of issue (bank of circulation)
- 31 watermark [a portrait]
- 32 denomination
- 33 USA: 1 dollar(\$1) = 100 cents
- 34 facsimile signatures
- 35 impressed stamp
- 36 serial number
- 37 United Kingdom of Great Britain and Northern Ireland: 1 pound sterling (£1) = 100 new pence (100 p.); (sg. new penny, new p.)
- 38 guilloched pattern
- 39 Greece: 1,000 drachmas (drachmae); 1 drachma = 100 lepta (sg. lepton)
- 40-44 striking of coins (coinage, mintage)
- 40-41 coining dies (minting dies)
- 40 upper die
- 41 lower die
- 42 collar
- 43 coin disc (disk) (flan, planchet, blank)
- 44 coining press (minting press)





- 1-3 flag of the United Nations
 1 flagpole (flagstaff) with truck
 2 halyard (halliard, haulyard)
 3 bunting
 4 flag of the Council of Europe
 5 Olympic flag
 6 flag at half-mast (*Am.* at half-staff) [as a token of mourning]
 7-11 flag
 7 flagpole (flagstaff)
 8 ornamental stud
 9 streamer
 10 pointed tip of the flagpole
 11 bunting
 12 banner (gonfalon)
 13 cavalry standard (flag of the cavalry)
 14 standard of the German Federal President [ensign of head of state]
 15-21 national flags
 15 the Union Jack (Great Britain)
 16 the Tricolour (*Am.* Tricolor) (France)
 17 the Dannebrog (Dannebrog) (Denmark)
 18 the Stars and Stripes (Star-Spangled Banner) (USA)
 19 the Crescent (Turkey)
 20 the Rising Sun (Japan)
 21 the Hammer and Sickle (USSR)

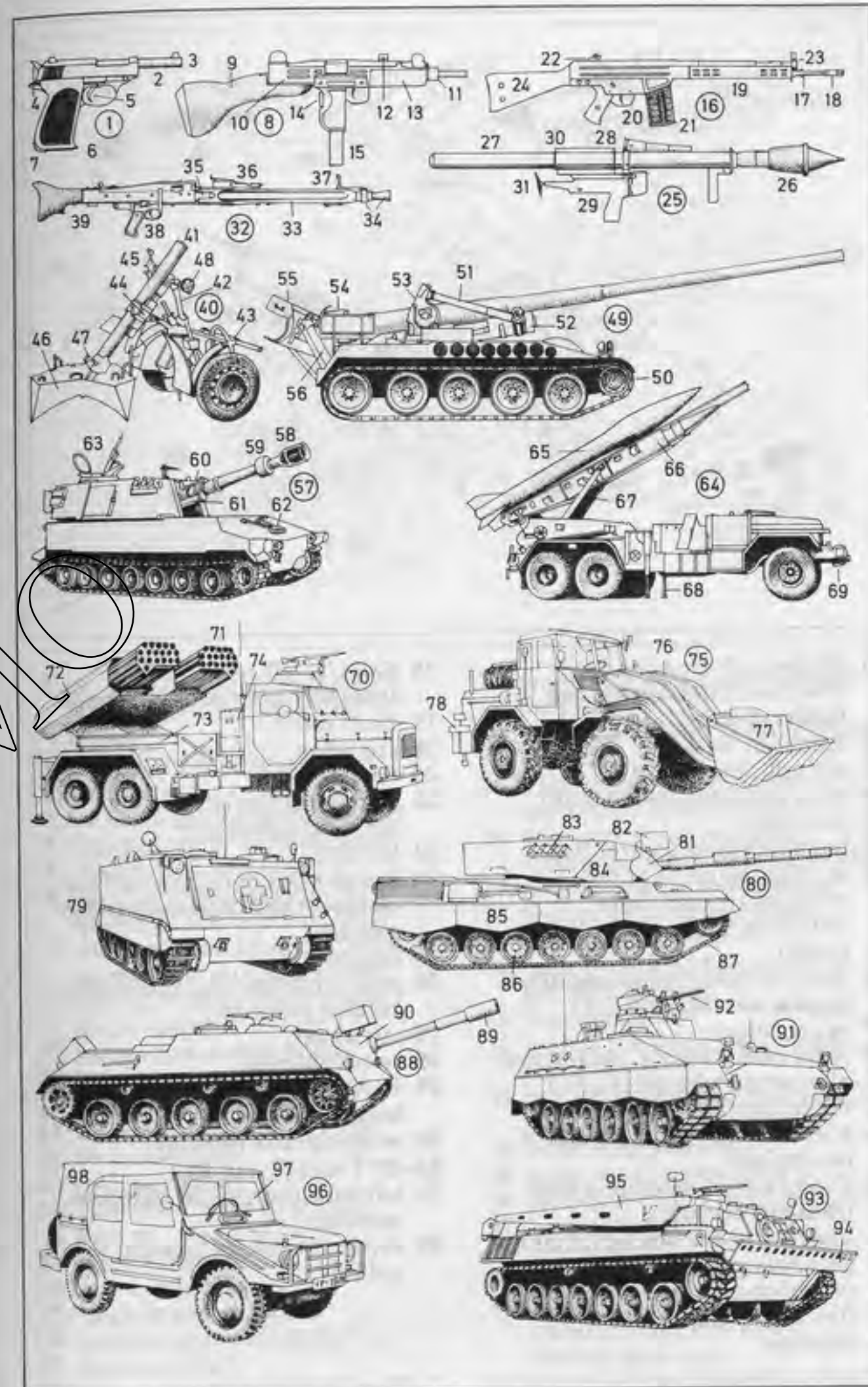
- 22-34 signal flags, a hoist
 22-28 letter flags
 22 letter A, a burgee (swallow-tailed flag)
 23 G, pilot flag
 24 H ('pilot on board')
 25 L ('you should stop, I have something important to communicate')
 26 P, the Blue Peter ('about to set sail')
 27 W ('I require medical assistance')
 28 Z, an oblong pennant (oblong pendant)
 29 code pennant (code pendant), used in the International Signals Code
 30-32 substitute flags (repeaters), triangular flags (pennants, pendants)
 33-34 numeral pennants (numeral pendants)
 33 number 1
 34 number 0
 35-38 customs flags
 35 customs boat pennant (customs boat pendant)
 36 'ship cleared through customs'
 37 customs signal flag
 38 powder flag ['inflammable (flammable) cargo']



- 1-36 heraldry (blazonry)
 1, 21, 30-36 crests
 6 coat-of-arms (achievement of arms, hatchment, achievement)
 1 crest
 2 wreath of the colours (*Am.* colors)
 3 mantle (mantling)
 4, 7-9 helmets (helms)
 4 tilting helmet (jousting helmet)
 5 shield
 6 bend sinister wavy
 7 pot-helmet (pot-helm, heaume)
 8 barred helmet (grilled helmet)
 9 helmet affronty with visor open
 10-13 marital achievement (marshalled, *Am.* marshaled, coat-of-arms)
 10 arms of the baron (of the husband)
 11-13 arms of the family of the femme (of the wife)
 11 demi-man; *also*: demi-woman
 12 crest coronet
 13 fleur-de-lis
 14 mantling
 15-16 supporters (heraldic beasts)
 15 bull
 16 unicorn
 17-23 blazon
 17 inescutcheon (heart-shield)
 18-23 quarterings one to six
 18, 20, 22 dexter, right

- 18-19 chief
 19, 21, 23 sinister, left
 22-23 base
 24-29 tinctures
 24 or (gold) [yellow]
 25 argent (silver) [white]
 26 sable
 27 gules
 28 azure
 29 vert
 30 ostrich feathers (treble plume)
 31 truncheon
 32 demi-goat
 33 tournament pennons
 34 buffalo horns
 35 harpy
 36 plume of peacock's feathers
 37-46 crowns and coronets
 37 tiara (papal tiara)
 38 Imperial Crown [German, until 1806]
 39 ducal coronet (duke's coronet)
 40 prince's coronet
 41 elector's coronet
 42 English Royal Crown
 43-45 coronets of rank
 43 baronet's coronet
 44 baron's coronet (baronial coronet)
 45 count's coronet
 46 mauerkrone (mural crown) of a city crest

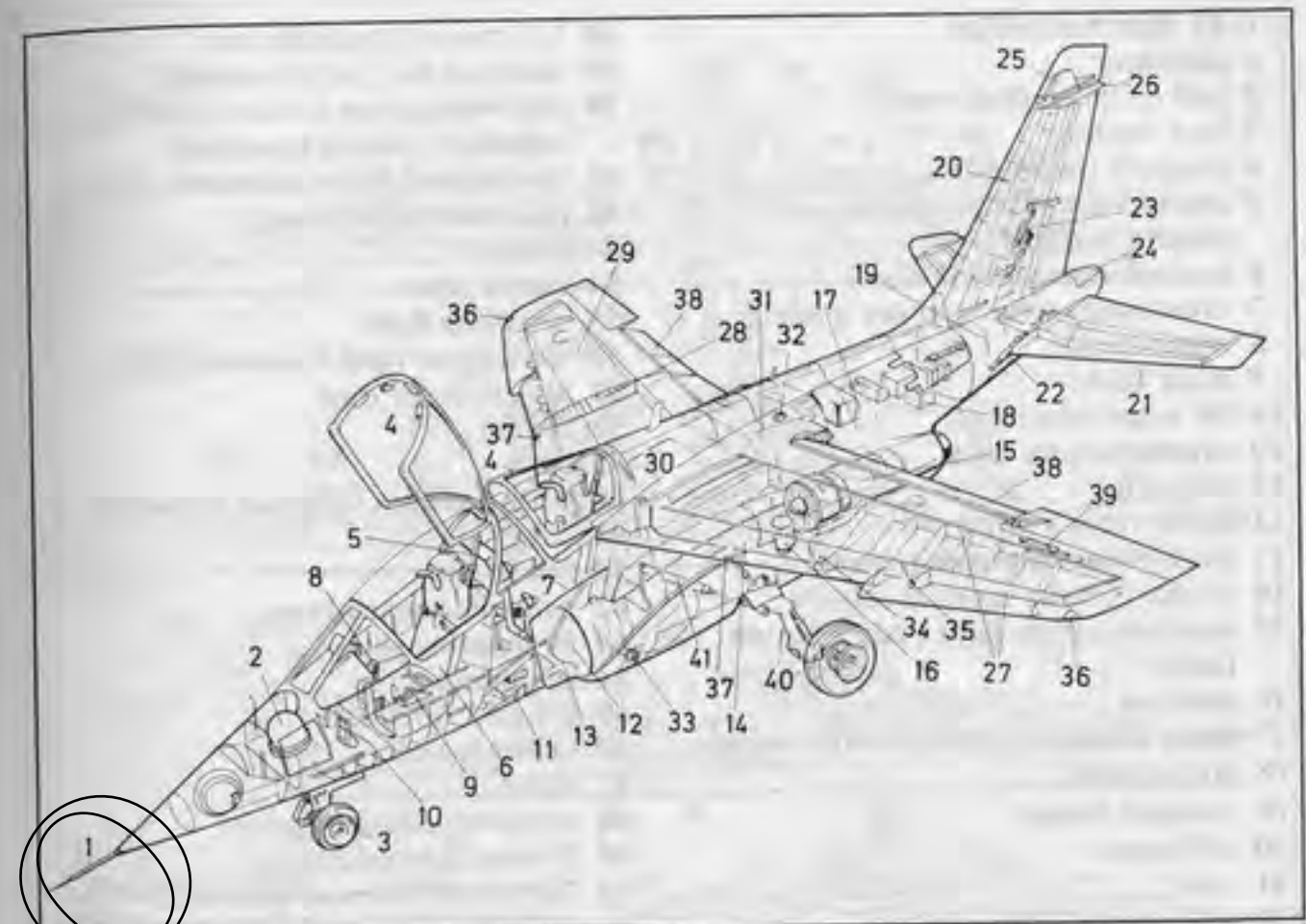
- 1-98 army weaponry
- 1-39 hand weapons
- 1 PI pistol
- 2 barrel
- 3 front sight (foresight)
- 4 hammer
- 5 trigger
- 6 pistol grip
- 7 magazine holder
- 8 MP2 sub-machine gun
- 9 shoulder rest (butt)
- 10 casing (mechanism casing)
- 11 barrel clamp (barrel-clamping nut)
- 12 cocking lever (cocking handle)
- 13 palm rest
- 14 safety catch
- 15 magazine
- 16 G3-A3 self-loading rifle
- 17 barrel
- 18 flash hider (flash eliminator)
- 19 palm rest
- 20 trigger mechanism
- 21 magazine
- 22 notch (sighting notch, rearsight)
- 23 front sight block (foresight block) with front sight (foresight)
- 24 rifle butt (butt)
- 25 44 mm anti-tank rocket launcher
- 26 rocket (projectile)
- 27 buffer
- 28 telescopic sight (telescope sight)
- 29 firing mechanism
- 30 cheek rest
- 31 shoulder rest (butt)
- 32 MG3 machine gun (Spandau)
- 33 barrel casing
- 34 gas regulator
- 35 belt-changing flap
- 36 rearsight
- 37 front sight block (foresight block) with front sight (foresight)
- 38 pistol grip
- 39 shoulder rest (butt)
- 40-95 heavy weapons
- 40 120 mm AM 50 mortar
- 41 barrel
- 42 bipod
- 43 gun carriage
- 44 buffer (buffer ring)
- 45 sight (sighting mechanism)
- 46 base plate
- 47 striker pad
- 48 traversing handle
- 49-74 artillery weapons mounted on self-propelled gun carriages
- 49 175 mm SFM 107 cannon
- 50 drive wheel
- 51 elevating piston
- 52 buffer (buffer recuperator)
- 53 hydraulic system
- 54 breech ring
- 55 spade
- 56 spade piston
- 57 155 mm M 109 G self-propelled gun
- 58 muzzle
- 59 fume extractor
- 60 barrel cradle
- 61 barrel recuperator
- 62 barrel clamp
- 63 light anti-aircraft (AA) machine gun
- 64 Honest John M 386 rocket launcher
- 65 rocket with warhead
- 66 launching ramp
- 67 elevating gear
- 68 jack
- 69 cable winch
- 70 110 SF rocket launcher
- 71 disposable rocket tubes
- 72 tube bins
- 73 turntable
- 74 fire control system
- 75 2.5 tonne construction vehicle
- 76 lifting arms (lifting device)
- 77 shovel
- 78 counterweight (counterpoise)
- 79-95 armoured (*Am. armored*) vehicles
- 79 M 113 armoured (*Am. armored*) ambulance
- 80 Leopard 1 A 3 tank
- 81 protection device
- 82 infrared laser rangefinder
- 83 smoke canisters (smoke dispensers)
- 84 armoured (*Am. armored*) turret
- 85 skirt
- 86 road wheel
- 87 track
- 88 anti-tank tank
- 89 fume extractor
- 90 protection device
- 91 armoured (*Am. armored*) personnel carrier
- 92 cannon
- 93 armoured (*Am. armored*) recovery vehicle
- 94 levelling (*Am. leveling*) and support shovel
- 95 jib
- 96 25 tonne all-purpose vehicle
- 97 drop windscreen (*Am. drop windshield*)
- 98 canvas cover





- 1 McDonnell-Douglas F-4F Phantom II interceptor and fighter-bomber
- 2 squadron marking
- 3 aircraft cannon
- 4 wing tank (underwing tank)
- 5 air intake
- 6 boundary layer control flap
- 7 in-flight refuelling (Am. refueling) probe (flight refuelling probe, air refuelling probe)
- 8 Panavia 2000 Tornado multirole combat aircraft (MRCA)
- 9 swing wing
- 10 radar nose (radome, radar dome)
- 11 pitot-static tube (pitot tube)
- 12 brake flap (air brake)
- 13 afterburner exhaust nozzles of the engines
- 14 C160 Transall medium-range transport aircraft
- 15 undercarriage housing (landing gear housing)
- 16 propeller-turbine engine (turboprop engine)
- 17 antenna

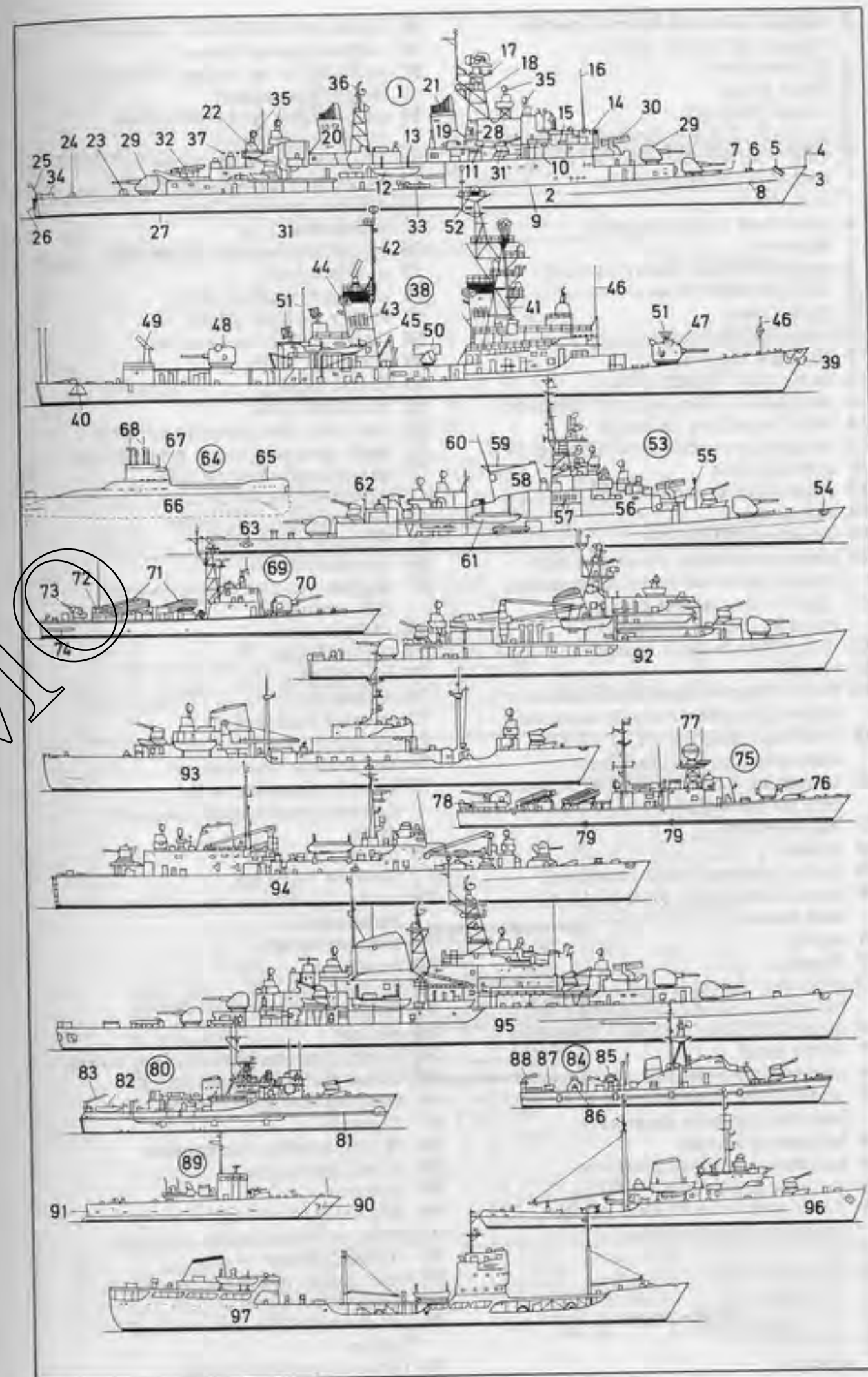
- 18 Bell UH-1D Iroquois light transport and rescue helicopter
- 19 main rotor
- 20 tail rotor
- 21 landing skids
- 22 stabilizing fins (stabilizing surfaces, stabilizers)
- 23 tail skid
- 24 Dornier DO 28 D-2 Skyservant transport and communications aircraft
- 25 engine pod
- 26 main undercarriage unit (main landing gear unit)
- 27 tail wheel
- 28 sword antenna
- 29 F-104 G Starfighter fighter-bomber
- 30 wing-tip tank (tip tank)
- 31-32 T-tail (T-tail unit)
- 31 tailplane (horizontal stabilizer, stabilizer)
- 32 vertical stabilizer (vertical fin, tail fin)



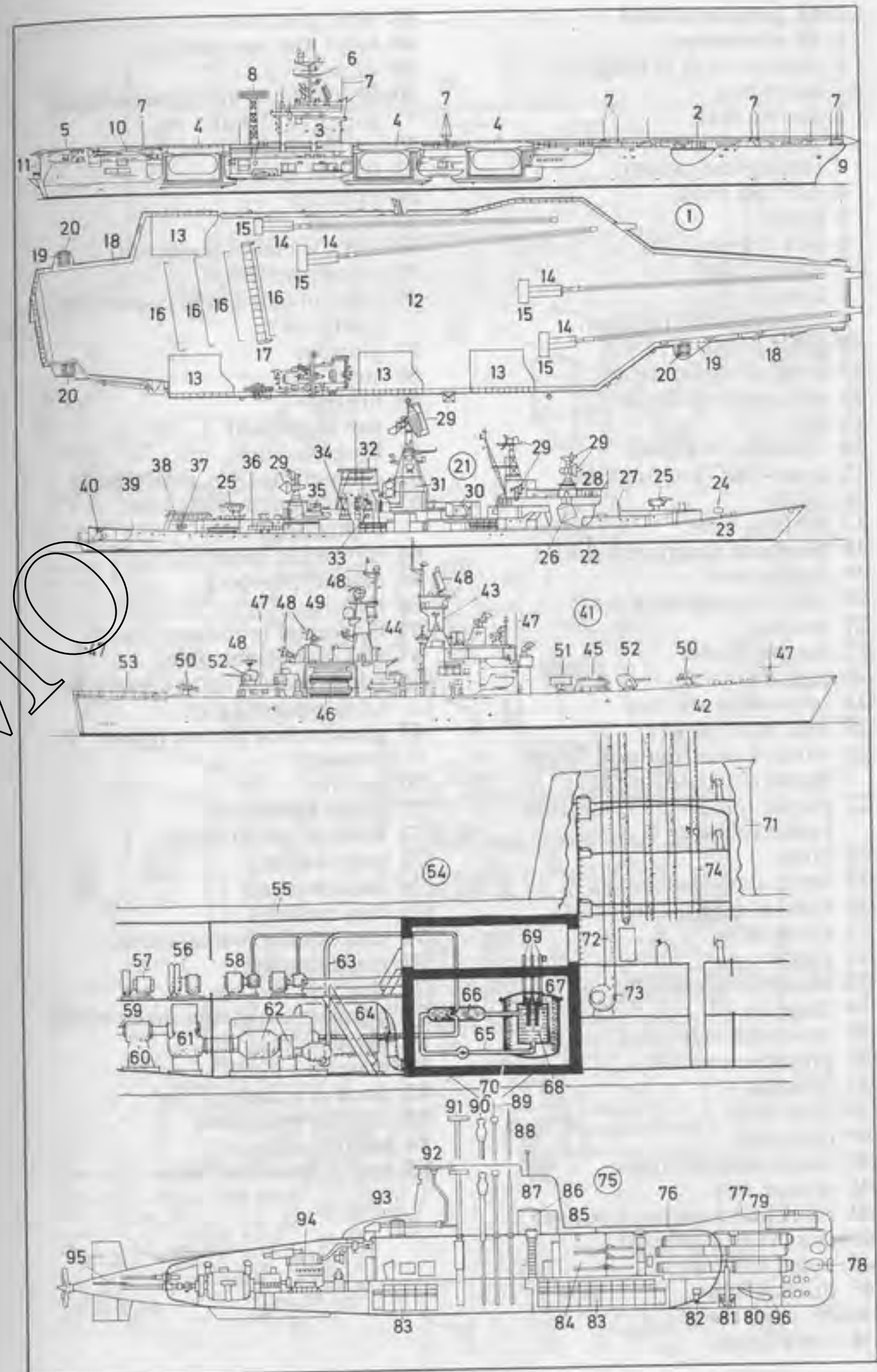
- 1-41 Dornier-Dassault-Breguet Alpha Jet Franco-German jet trainer
- 1 pitot-static tube (pitot tube)
- 2 oxygen tank
- 3 forward-retracting nose wheel
- 4 cockpit canopy (cockpit hood)
- 5 canopy jack
- 6 pilot's seat (student pilot's seat), an ejector seat (ejection seat)
- 7 observer's seat (instructor's seat), an ejector seat (ejection seat)
- 8 control column (control stick)
- 9 thrust lever
- 10 rudder pedals with brakes
- 11 front avionics bay
- 12 air intake to the engine
- 13 boundary layer control flap
- 14 air intake duct
- 15 turbine engine
- 16 reservoir for the hydraulic system
- 17 battery housing
- 18 rear avionics bay
- 19 baggage compartment
- 20 triple-spar tail construction
- 21 horizontal tail
- 22 servo-actuating mechanism for the elevator

- 23 servo-actuating mechanism for the rudder
- 24 brake chute housing (drag chute housing)
- 25 VHF (very high frequency) antenna (UHF antenna)
- 26 VOR (very high frequency omnidirectional range) antenna
- 27 twin-spar wing construction
- 28 former with integral spars
- 29 integral wing tanks
- 30 centre-section (Am. center-section) fuel tank
- 31 fuselage tanks
- 32 gravity fuelling (Am. fueling) point
- 33 pressure fuelling (Am. fueling) point
- 34 inner wing suspension
- 35 outer wing suspension
- 36 navigation lights (position lights)
- 37 landing lights
- 38 landing flap
- 39 aileron actuator
- 40 forward-retracting main undercarriage unit (main landing gear unit)
- 41 undercarriage hydraulic cylinder (landing gear hydraulic cylinder)

- 1-63 light battleships
 1 destroyer
 2 hull of flush-deck vessel
 3 bow (stem)
 4 flagstaff (jackstaff)
 5 anchor, a stockless anchor (patent anchor)
 6 anchor capstan (windlass)
 7 breakwater (*Am.* manger board)
 8 chine strake
 9 main deck
 10-28 superstructures
 10 superstructure deck
 11 life rafts
 12 cutter (ship's boat)
 13 davit (boat-launching crane)
 14 bridge (bridge superstructure)
 15 side navigation light (side running light)
 16 antenna
 17 radio direction finder (RDF) frame
 18 lattice mast
 19 forward funnel
 20 aft funnel
 21 cowl
 22 aft superstructure (poop)
 23 capstan
 24 companion ladder (companionway, companion hatch)
 25 ensign staff
 26 stern, a transom stern
 27 waterline
 28 searchlight
 29-37 armament
 29 100 mm gun turret
 30 four-barrel anti-submarine rocket launcher (missile launcher)
 31 40 mm twin anti-aircraft (AA) gun
 32 MM 38 anti-aircraft (AA) rocket launcher (missile launcher) in launching container
 33 anti-submarine torpedo tube
 34 depth-charge thrower
 35 weapon system radar
 36 radar antenna (radar scanner)
 37 optical rangefinder
 38 destroyer
 39 bower anchor
 40 propeller guard
 41 tripod lattice mast
 42 pole mast
 43 ventilator openings (ventilator grill)
 44 exhaust pipe
 45 ship's boat
 46 antenna
 47 radar-controlled 127 mm all-purpose gun in turret
 48 127 mm all-purpose gun
 49 launcher for Tartar missiles
 50 anti-submarine rocket (ASROC) launcher (missile launcher)
 51 fire control radar antennas
 52 radome (radar dome)
 53 frigate
 54 hawse pipe
 55 steaming light
 56 navigation light (running light)
 57 air extractor duct
 58 funnel
 59 cowl
 60 whip antenna (fishpole antenna)
 61 cutter
 62 stern light
 63 propeller guard boss
 64-91 fighting ships
 64 submarine
 65 flooded foredeck
 66 pressure hull
 67 turret
 68 retractable instruments
 69 E-boat (torpedo boat)
 70 76 mm all-purpose gun with turret
 71 missile-launching housing
 72 deckhouse
 73 40 mm anti-aircraft (AA) gun
 74 propeller guard moulding (*Am.* molding)
 75 143 class E-boat (143 class torpedo boat)
 76 breakwater (*Am.* manger board)
 77 radome (radar dome)
 78 torpedo tube
 79 exhaust escape flue
 80 mine hunter
 81 reinforced rubbing strake
 82 inflatable boat (inflatable dinghy)
 83 davit
 84 minesweeper
 85 cable winch
 86 towing winch (towing machine, towing engine)
 87 mine-sweeping gear (paravanes)
 88 crane (davit)
 89 landing craft
 90 bow ramp
 91 stern ramp
 92-97 auxiliaries
 92 tender
 93 servicing craft
 94 minelayer
 95 training ship
 96 deep-sea salvage tug
 97 fuel tanker (replenishing ship)



- 1 nuclear-powered aircraft carrier
"Nimitz ICVN 68" (USA)
- 2-11 body plan
- 2 flight deck
- 3 island (bridge)
- 4 aircraft lift (Am. aircraft elevator)
- 5 eight-barrel anti-aircraft (AA)
rocket launcher (missile
launcher)
- 6 pole mast (antenna mast)
- 7 antenna
- 8 radar antenna (radar scanner)
- 8 fully enclosed bow
- 10 deck crane
- 11 transom stern
- 12-20 deck plan
- 12 angle deck (flight deck)
- 13 aircraft lift (Am. aircraft elevator)
- 14 twin launching catapult
- 15 hinged (movable) baffle board
- 16 arrestor wire
- 17 emergency crash barrier
- 18 safety net
- 19 caisson (cofferdam)
- 20 eight-barrel anti-aircraft (AA)
rocket launcher (missile launcher)
- 21 "Kara" class rocket cruiser
(missile cruiser) (USSR)
- 22 hull of flush-deck vessel
- 23 sheer
- 24 twelve-barrel underwater salvo
rocket launcher (missile launcher)
- 25 twin anti-aircraft (AA) rocket
launcher (missile launcher)
- 26 launching housing for 4 short-range
rockets (missiles)
- 27 baffle board
- 28 bridge
- 29 radar antenna (radar scanner)
- 30 twin 76 mm anti-aircraft (AA)
gun turret
- 31 turret
- 32 funnel
- 33 twin anti-aircraft (AA) rocket
launcher (missile launcher)
- 34 automatic anti-aircraft (AA) gun
- 35 ship's boat
- 36 underwater 5-torpedo housing
- 37 underwater 6-salvo rocket
launcher (missile launcher)
- 38 helicopter hangar
- 39 helicopter landing platform
- 40 variable depth sonar (VDS)
- 41 "California" class rocket cruiser
(missile cruiser) (USA)
- 42 hull
- 43 forward turret
- 44 aft turret
- 45 forward superstructure
- 46 landing craft
- 47 antenna
- 48 radar antenna (radar scanner)
- 49 radome (radar dome)
- 50 surface-to-air rocket launcher
(missile launcher)
- 51 underwater rocket launcher
(missile launcher)
- 52 127 mm gun with turret
- 53 helicopter landing platform
- 54 nuclear-powered fleet
submarine
- 55-74 middle section [diagram]
- 55 pressure hull
- 56 auxiliary engine room
- 57 rotary turbine pump
- 58 steam turbine generator
- 59 propeller shaft
- 60 thrust block
- 61 reduction gear
- 62 high and low pressure turbine
- 63 high-pressure steam pipe for the
secondary water circuit
(auxiliary water circuit)
- 64 condenser
- 65 primary water circuit
- 66 heat exchanger
- 67 nuclear reactor casing (atomic
pile casing)
- 68 reactor core
- 69 control rods
- 70 lead screen
- 71 turret
- 72 snorkel (schnorkel)
- 73 air inlet
- 74 retractable instruments
- 75 patrol submarine with
conventional (diesel-electric)
drive
- 76 pressure hull
- 77 flooded foredeck
- 78 outer flap (outer doors) [for
torpedoes]
- 79 torpedo tube
- 80 bow bilge
- 81 anchor
- 82 anchor winch
- 83 battery
- 84 living quarters with folding bunks
- 85 commanding officer's cabin
- 86 main hatchway
- 87 flagstaff
- 88-91 retractable instruments
- 88 attack periscope
- 89 antenna
- 90 snorkel (schnorkel)
- 91 radar antenna (radar scanner)
- 92 exhaust outlet
- 93 heat space (hot-pipe space)
- 94 diesel generators
- 95 aft diving plane and vertical
rudder
- 96 forward vertical rudder



1-85 primary school

1-45 classroom

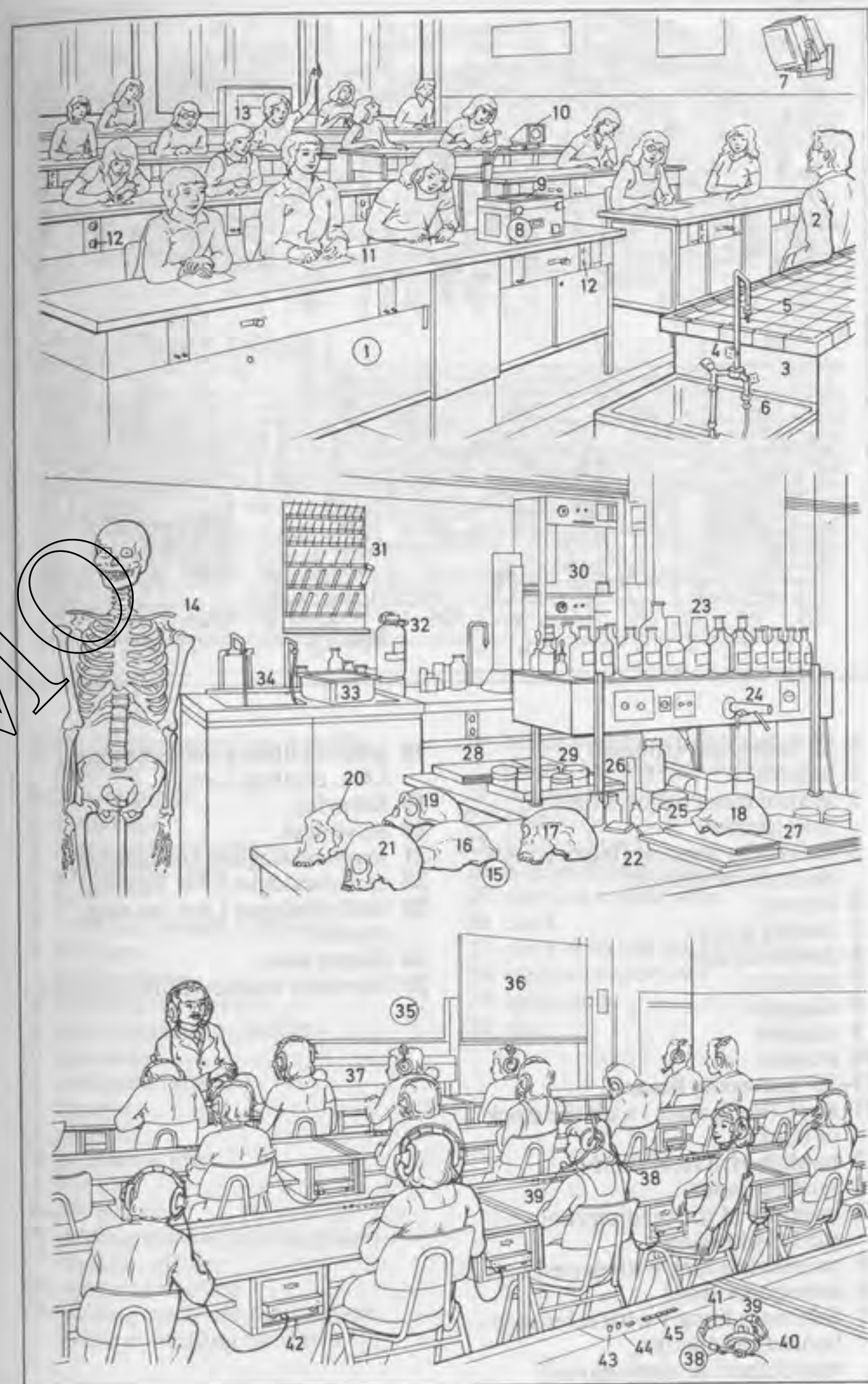
- 1 arrangement of desks in a horseshoe
- 2 double desk
- 3 pupils (children) in a group (sitting in a group)
- 4 exercise book
- 5 pencil
- 6 wax crayon
- 7 school bag
- 8 handle
- 9 school satchel (satchel)
- 10 front pocket
- 11 strap (shoulder strap)
- 12 pen and pencil case
- 13 zip
- 14 fountain pen (pen)
- 15 loose-leaf file (ring file)
- 16 reader
- 17 spelling book
- 18 notebook (exercise book)
- 19 felt tip pen
- 20 pupil raising her hand
- 21 teacher
- 22 teacher's desk
- 23 register
- 24 pen and pencil tray
- 25 desk mat (blotter)
- 26 window painting with finger paints (finger painting)
- 27 pupils' (children's) paintings (watercolours)
- 28 cross
- 29 three-part blackboard
- 30 bracket for holding charts
- 31 chalk ledge
- 32 chalk
- 33 blackboard drawing
- 34 diagram
- 35 reversible side blackboard
- 36 projection screen
- 37 triangle
- 38 protractor
- 39 divisions
- 40 blackboard compass
- 41 sponge tray
- 42 blackboard sponge (sponge)
- 43 classroom cupboard
- 44 map (wall map)
- 45 brick wall

- 46-85 craft room
- 46 workbench
- 47 vice (*Am. vise*)
- 48 vice (*Am. vise*) bar
- 49 scissors
- 50-52 working with glue (sticking paper, cardboard, etc.)
- 50 surface to be glued
- 51 tube of glue
- 52 tube cap
- 53 fretsaw
- 54 fretsaw blade (saw blade)
- 55 wood rasp (rasp)
- 56 piece of wood held in the vice (*Am. vise*)
- 57 glue pot
- 58 stool
- 59 brush
- 60 pan (dust pan)
- 61 broken china
- 62 enamelling (*Am. enameling*)
- 63 electric enamelling (*Am. enameling*) stove
- 64 unworked copper
- 65 enamel powder
- 66 hair sieve
- 67-80 pupils' (children's) work
- 67 clay models (models)
- 68 window decoration of coloured (*Am. colored*) glass
- 69 glass mosaic picture (glass mosaic)
- 70 mobile
- 71 paper kite (kite)
- 72 wooden construction
- 73 polyhedron
- 74 hand puppets
- 75 clay masks
- 76 cast candles (wax candles)
- 77 wood carving
- 78 clay jug
- 79 geometrical shapes made of clay
- 80 wooden toys
- 81 materials
- 82 stock of wood
- 83 inks for wood cuts
- 84 paintbrushes
- 85 bag of plaster of Paris



- 1-45 grammar school; also: upper band of a comprehensive school (*Am.* alternative school)
- 1-13 chemistry
- 1 chemistry lab (chemistry laboratory) with tiered rows of seats
- 2 chemistry teacher
- 3 demonstration bench (teacher's bench)
- 4 water pipe
- 5 tiled working surface
- 6 sink
- 7 television monitor, a screen for educational programmes (*Am.* programs)
- 8 overhead projector
- 9 projector top for skins
- 10 projection lens with right-angle mirror
- 11 pupils' (*Am.* students') bench with experimental apparatus
- 12 electrical point (socket)
- 13 projection table
- 14-34 biology preparation room (biology prep room)
- 14 skeleton
- 15 casts of skulls
- 16 calvarium of Pithecanthropus Erectus
- 17 skull of Steinheim man
- 18 calvarium of Peking man (of Sinanthropus)
- 19 skull of Neanderthal man, a skull of primitive man
- 20 Australopithecine skull (skull of Australopithecus)
- 21 skull of present-day man
- 22 dissecting bench
- 23 chemical bottles
- 24 gas tap
- 25 petri dish
- 26 measuring cylinder
- 27 work folder (teaching material)
- 28 textbook
- 29 bacteriological cultures
- 30 incubator
- 31 test tube rack
- 32 washing bottle
- 33 water tank
- 34 sink
- 35 language laboratory
- 36 blackboard

- 37 console
- 38 headphones (headset)
- 39 microphone
- 40 earcups
- 41 padded headband (padded headpiece)
- 42 programme (*Am.* program) recorder, a cassette recorder
- 43 pupil's (*Am.* student's) volume control
- 44 master volume control
- 45 control buttons (operating keys)



**1-25 university (college)**

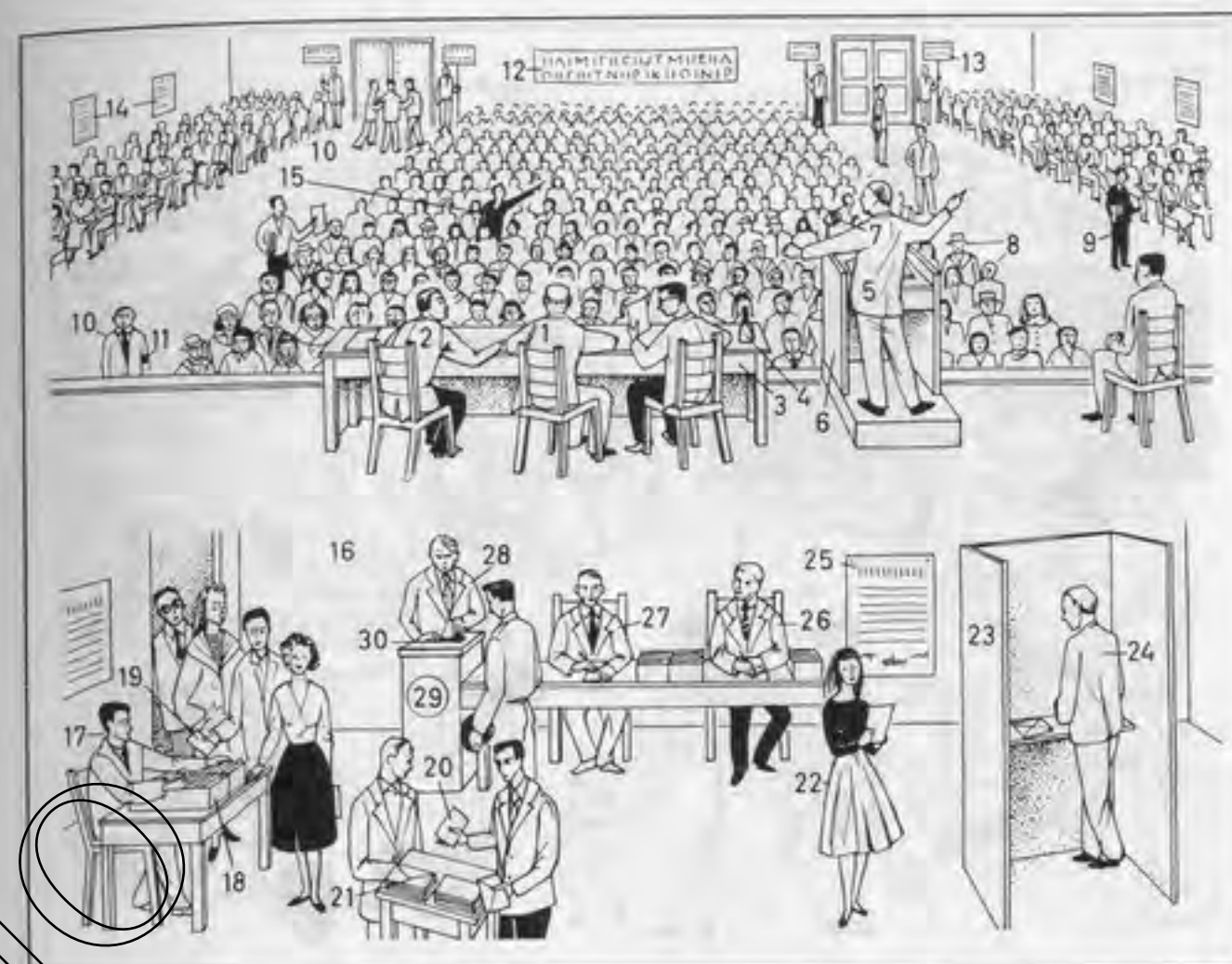
- 1 lecture
- 2 lecture room (lecture theatre, *Am.* theater)
- 3 university lecturer (lecturer, *Am.* assistant professor)
- 4 lectern
- 5 lecture notes
- 6 demonstrator
- 7 assistant
- 8 diagram
- 9 student
- 10 student

11-25 university library

- 11 stack (book stack) with the stock of books
- 12 bookshelf, a steel shelf
- 13 reading room
- 14 member of the reading room staff, a librarian
- 15 periodicals rack with periodicals
- 16 newspaper shelf
- 17 reference library with reference books (handbooks, encyclopedias, dictionaries)

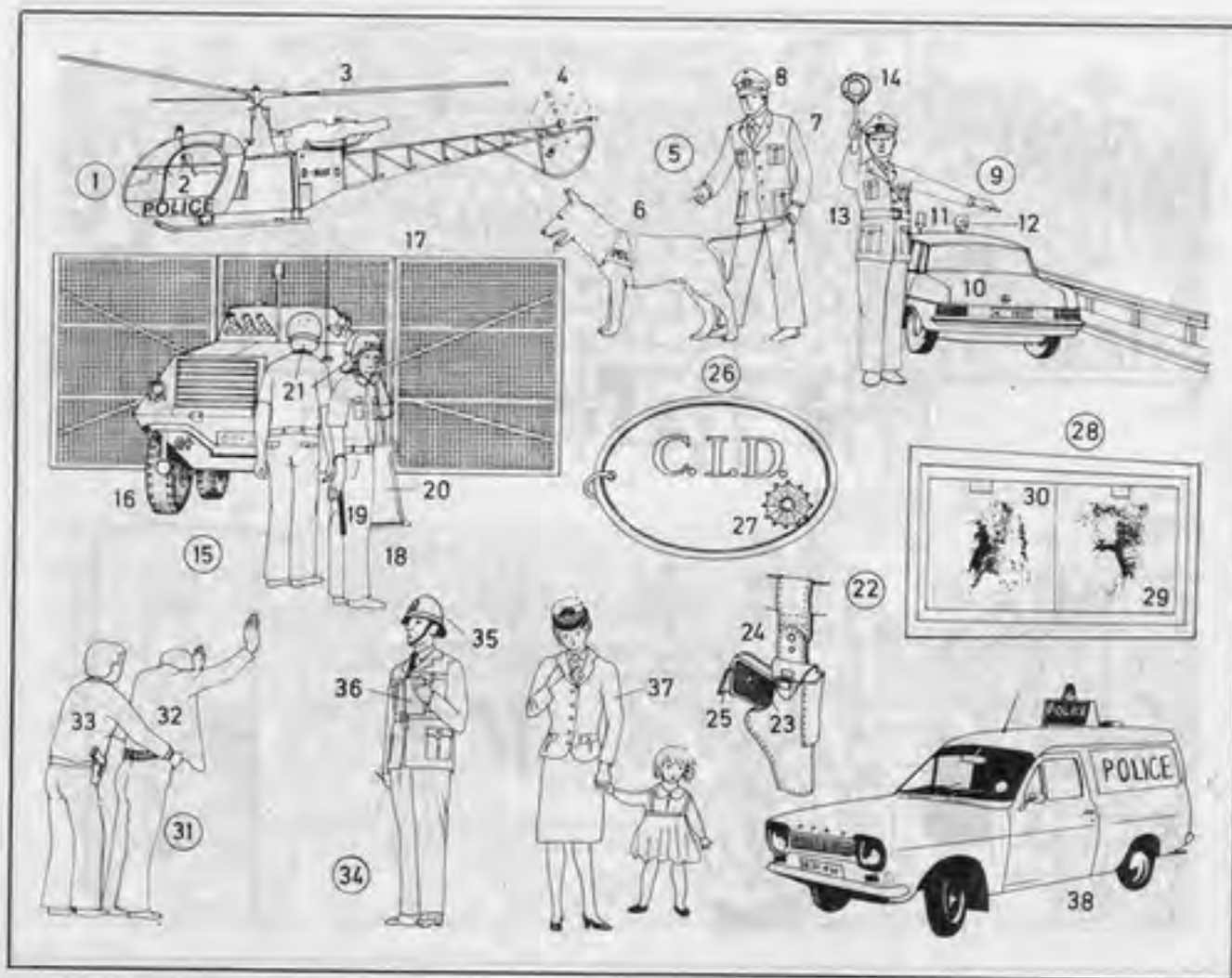
18 lending library and catalogue (*Am.* catalog) room

- 19 librarian
- 20 issue desk
- 21 main catalogue (*Am.* catalog)
- 22 card catalogue (*Am.* catalog)
- 23 card catalogue (*Am.* catalog) drawer
- 24 library user
- 25 borrower's ticket (library ticket)

**1-15 election meeting, a public meeting**

- 1-2 committee
- 1 chairman
- 2 committee member
- 3 committee table
- 4 bell
- 5 election speaker (speaker)
- 6 rostrum
- 7 microphone
- 8 meeting (audience)
- 9 man distributing leaflets

10 stewards**11 armband (armlet)****12 banner****13 placard****14 proclamation****15 heckler****16-30 election****16 polling station (polling place)****17 election officer****18 electoral register****19 polling card with registration number (polling number)****20 ballot paper with the names of the parties and candidates****21 ballot envelope****22 voter****23 polling booth****24 elector (qualified voter)****25 election regulations****26 clerk****27 clerk with the duplicate list****28 election supervisor****29 ballot box****30 slot**



1-33 police duties

- 1 **police helicopter** (traffic helicopter) for controlling (*Am.* controlling) traffic from the air
- 2 cockpit
- 3 rotor (main rotor)
- 4 tail rotor
- 5 **police dog and handler**
- 6 police dog
- 7 uniform
- 8 uniform cap, a peaked cap with cockade
- 9 **traffic control by a mobile traffic patrol**
- 10 patrol car
- 11 blue light
- 12 loud hailer (loudspeaker)
- 13 patrolman (police patrolman)
- 14 police signalling (*Am.* signaling) disc (disk)
- 15 **riot duty**
- 16 special armoured (*Am.* armored) car
- 17 barricade

- 18 policeman (police officer) in riot gear
- 19 truncheon (baton)
- 20 riot shield
- 21 protective helmet (helmet)
- 22 **service pistol**
- 23 pistol grip
- 24 quick-draw holster
- 25 magazine
- 26 **police identification disc (disk)**
- 27 police badge
- 28 **fingerprint identification** (dactyloscopy)
- 29 fingerprint
- 30 illuminated screen
- 31 **search**
- 32 suspect
- 33 detective (plainclothes policeman)
- 34 English policeman
- 35 helmet
- 36 pocket book
- 37 policewoman
- 38 police van

1-26 café, *sim.*: espresso bar, tea room

- 1 counter (cake counter)
- 2 coffee urn
- 3 tray for the money
- 4 gâteau
- 5 meringue with whipped cream
- 6 trainee pastry cook
- 7 counter assistant
- 8 newspaper shelves (newspaper rack)
- 9 wall lamp
- 10 corner seat, an upholstered seat
- 11 café table
- 12 marble top
- 13 waitress
- 14 tray
- 15 bottle of lemonade
- 16 lemonade glass
- 17 chess players playing a game of chess
- 18 coffee set
- 19 cup of coffee
- 20 small sugar bowl
- 21 cream jug (*Am.* creamer)

- 22-24 café customers
- 22 gentleman
- 23 lady
- 24 man reading a newspaper
- 25 newspaper
- 26 newspaper holder

**1-29 restaurant****1-11 bar (counter)**

- 1 beer pump (beerpull)
- 2 drip tray
- 3 beer glass
- 4 froth (head)
- 5 spherical ashtray for cigarette and cigar ash
- 6 beer glass (beer mug)
- 7 beer warmer
- 8 bartender (barman, *Am.* barkeeper, barkeep)
- 9 shelf for glasses
- 10 shelf for bottles
- 11 stack of plates
- 12 coat stand
- 13 hat peg
- 14 coat hook
- 15 wall ventilator
- 16 bottle
- 17 complete meal
- 18 waitress
- 19 tray
- 20 lottery ticket seller
- 21 menu (menu card)

22 cruet stand

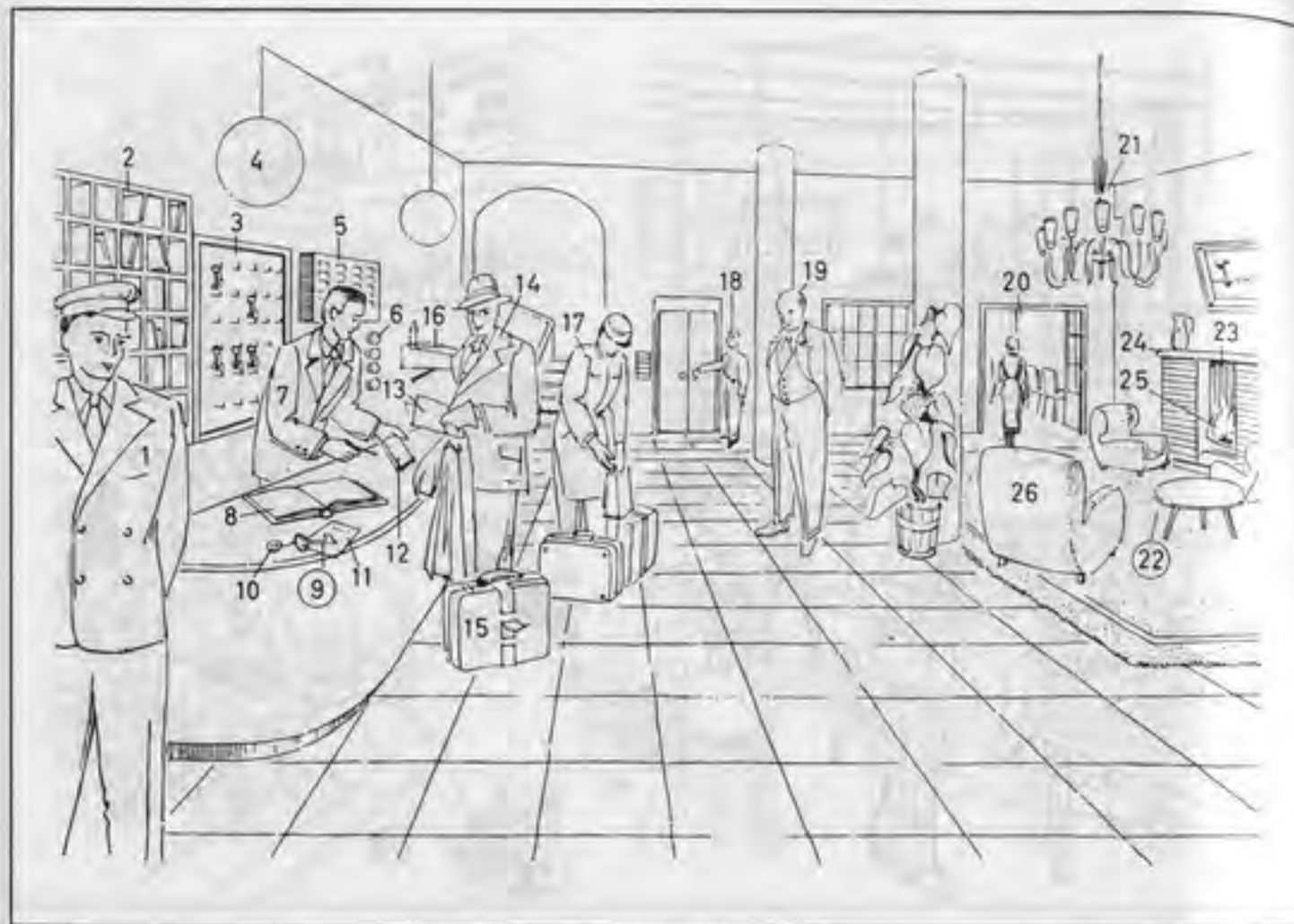
- 23 toothpick holder
- 24 matchbox holder
- 25 customer
- 26 beer mat
- 27 meal of the day
- 28 flower seller (flower girl)
- 29 flower basket
- 30-44 wine restaurant (wine bar)**
- 30 wine waiter, a head waiter
- 31 wine list
- 32 wine carafe
- 33 wineglass
- 34 tiled stove
- 35 stove tile
- 36 stove bench
- 37 wooden panelling (*Am.* paneling)
- 38 corner seat
- 39 corner table
- 40 regular customer
- 41 cutlery chest
- 42 wine cooler
- 43 bottle of wine
- 44 ice cubes (ice, lumps of ice)

**45-78 self-service restaurant**

- 45 stack of trays
- 46 drinking straws (straws)
- 47 serviettes (napkins)
- 48 cutlery holders
- 49 cool shelf
- 50 slice of honeydew melon
- 51 plate of salad
- 52 plate of cheeses
- 53 fish dish
- 54 filled roll
- 55 meat dish with trimmings
- 56 half chicken
- 57 basket of fruit
- 58 fruit juice
- 59 drinks shelf
- 60 bottle of milk
- 61 bottle of mineral water
- 62 vegetarian meal (diet meal)
- 63 tray
- 64 tray counter
- 65 food price list
- 66 serving hatch
- 67 hot meal
- 68 beer pump (beerpull)

69 cash desk

- 70 cashier
- 71 proprietor
- 72 rail
- 73 dining area
- 74 table
- 75 open sandwich
- 76 ice-cream sundae
- 77 salt cellar and pepper pot
- 78 table decoration (flower arrangement)



1-26 vestibule (foyer, reception hall)

- 1 doorman (commissionaire)
- 2 letter rack with pigeon holes
- 3 key rack
- 4 globe lamp, a frosted glass globe
- 5 indicator board (drop board)
- 6 indicator light
- 7 chief receptionist
- 8 register (hotel register)
- 9 room key
- 10 number tag (number tab) showing room number
- 11 hotel bill
- 12 block of registration forms
- 13 passport
- 14 hotel guest
- 15 lightweight suitcase, a light suitcase for air travel
- 16 wall desk
- 17 porter (*Am.* baggage man)
- 18-26 lobby (hotel lobby)
- 18 page (pageboy, *Am.* bell boy)
- 19 hotel manager
- 20 dining room (hotel restaurant)

21 chandelier

- 22 fireside
- 23 fireplace
- 24 mantelpiece (mantelshelf)
- 25 fire (open fire)
- 26 armchair
- 27-38 hotel room**, a double room with bath
- 27 double door
- 28 service bell panel
- 29 wardrobe trunk
- 30 clothes compartment
- 31 linen compartment
- 32 double washbasin
- 33 room waiter
- 34 room telephone
- 35 velour (velours) carpet
- 36 flower stand
- 37 flower arrangement
- 38 double bed
- 39 banquet room**
- 40-43 private party**
- 40 speaker proposing a toast
- 41 42's neighbour (*Am.* neighbor)
- 42 43's partner



43 42's partner

- 44-46 **thé dansant** (tea dance) in the foyer
- 44 bar trio
- 45 violinist
- 46 couple dancing (dancing couple)
- 47 waiter
- 48 napkin
- 49 cigar and cigarette boy
- 50 cigarette tray
- 51 hotel bar**
- 52 foot rail
- 53 bar stool
- 54 bar
- 55 bar customer
- 56 cocktail glass (*Am.* highball glass)
- 57 whisky (whiskey) glass
- 58 champagne cork
- 59 champagne bucket (champagne cooler)
- 60 measuring beaker (measure)
- 61 cocktail shaker
- 62 bartender (barman, *Am.* barkeeper, barkeep)

63 barmaid

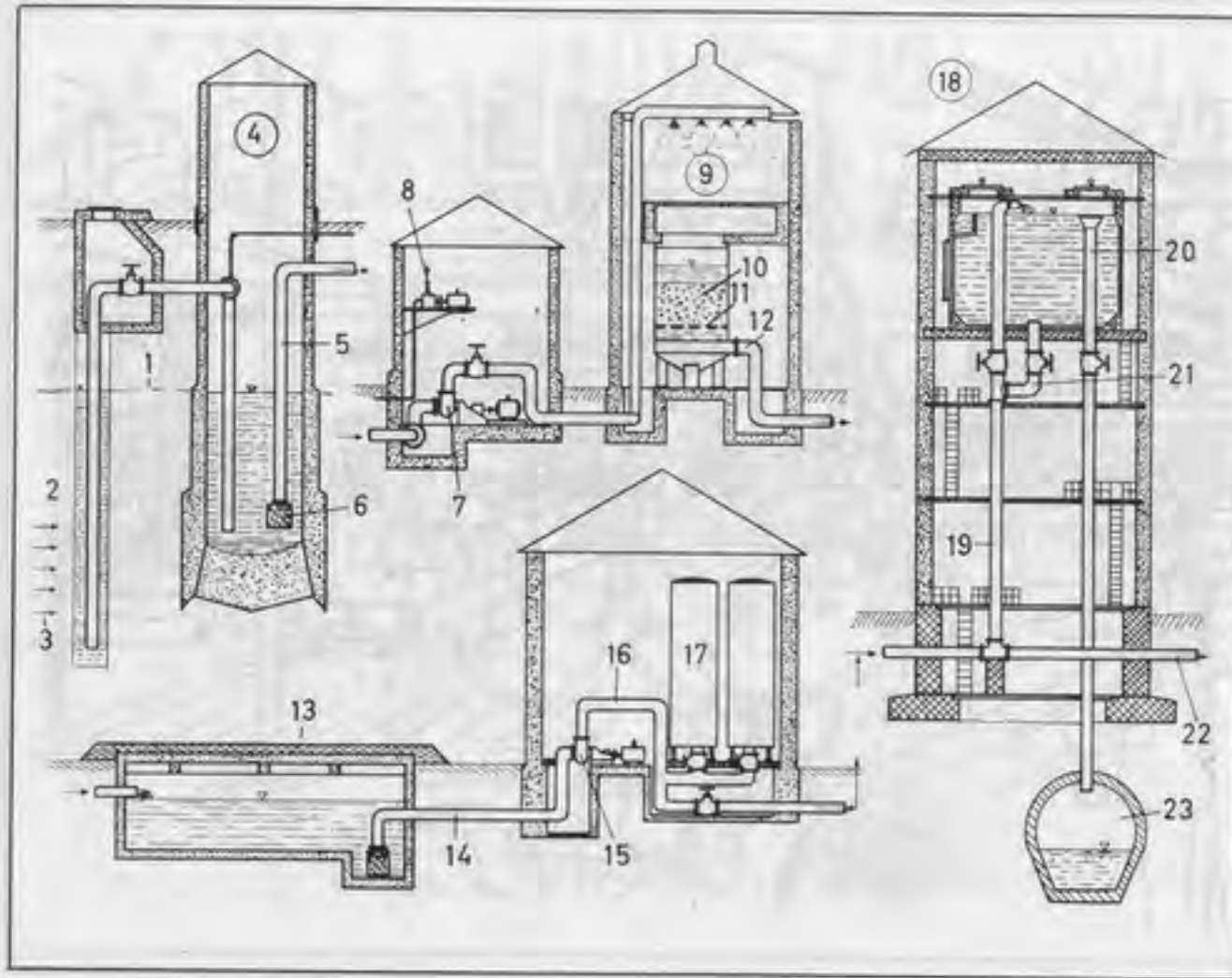
- 64 shelf for bottles
- 65 shelf for glasses
- 66 mirrored panel
- 67 ice bucket



- | | |
|---|--|
| 1 parking meter | 22 rubbish (litter) |
| 2 map of the town (street map) | 23 tramlines (<i>Am.</i> streetcar tracks) |
| 3 illuminated board | 24 pedestrian crossing (zebra crossing, <i>Am.</i> crosswalk) |
| 4 key | 25 tram stop (<i>Am.</i> streetcar stop, trolley stop) |
| 5 litter bin (<i>Am.</i> litter basket) | 26 tram stop sign (<i>Am.</i> streetcar stop sign, trolley stop sign) |
| 6 street lamp (street light) | 27 tram timetable (<i>Am.</i> streetcar schedule) |
| 7 street sign showing the name of the street | 28 ticket machine |
| 8 drain | 29 'pedestrian crossing' sign |
| 9 clothes shop (fashion house) | 30 traffic policeman on traffic duty (point duty) |
| 10 shop window | 31 traffic control cuff |
| 11 window display (shop window display) | 32 white cap |
| 12 window decoration (shop window decoration) | 33 hand signal |
| 13 entrance | 34 motorcyclist |
| 14 window | 35 motorcycle |
| 15 window box | 36 pillion passenger (pillion rider) |
| 16 neon sign | 37 bookshop |
| 17 tailor's workroom | 38 hat shop (hatter's shop); for ladies' hats: milliner's shop |
| 18 pedestrian | 39 shop sign |
| 19 shopping bag | 40 insurance company office |
| 20 road sweeper (<i>Am.</i> street sweeper) | |
| 21 broom | |

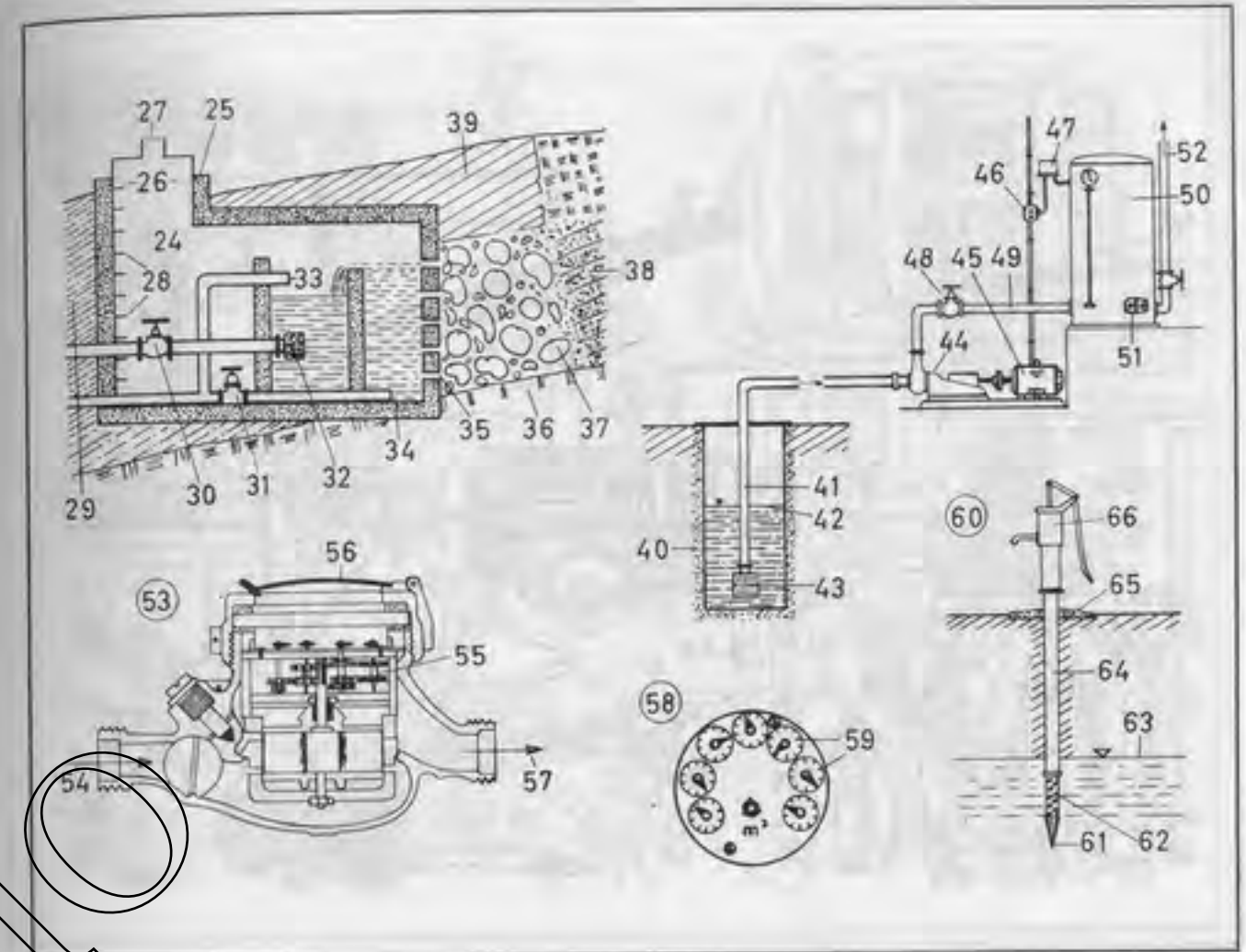


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|---|---|
| 41 department store | 62 steps to the public lavatories (public conveniences) |
| 42 shop front | 63 taxi rank (taxi stand) |
| 43 advertisement | 64 taxi (taxicab, cab) |
| 44 flags | 65 taxi sign |
| 45 illuminated letters | 66 traffic sign showing 'taxi rank' ('taxi stand') |
| 46 tram (<i>Am.</i> streetcar, trolley) | 67 taxi telephone |
| 47 furniture lorry (<i>Am.</i> furniture truck) | 68 post office |
| 48 flyover | 69 cigarette machine |
| 49 suspended street lamp | 70 advertising pillar |
| 50 stop line | 71 poster (advertisement) |
| 51 pedestrian crossing (<i>Am.</i> crosswalk) | 72 white line |
| 52 traffic lights | 73 lane arrow for turning left |
| 53 traffic light post | 74 lane arrow for going straight ahead |
| 54 set of lights | 75 news vendor (<i>Am.</i> news dealer) |
| 55 pedestrian lights | |
| 56 telephone box (telephone booth, telephone kiosk, call box) | |
| 57 cinema advertisement (film poster) | |
| 58 pedestrian precinct (paved zone) | |
| 59 street café | |
| 60 group seated (sitting) at a table | |
| 61 sunshade | |

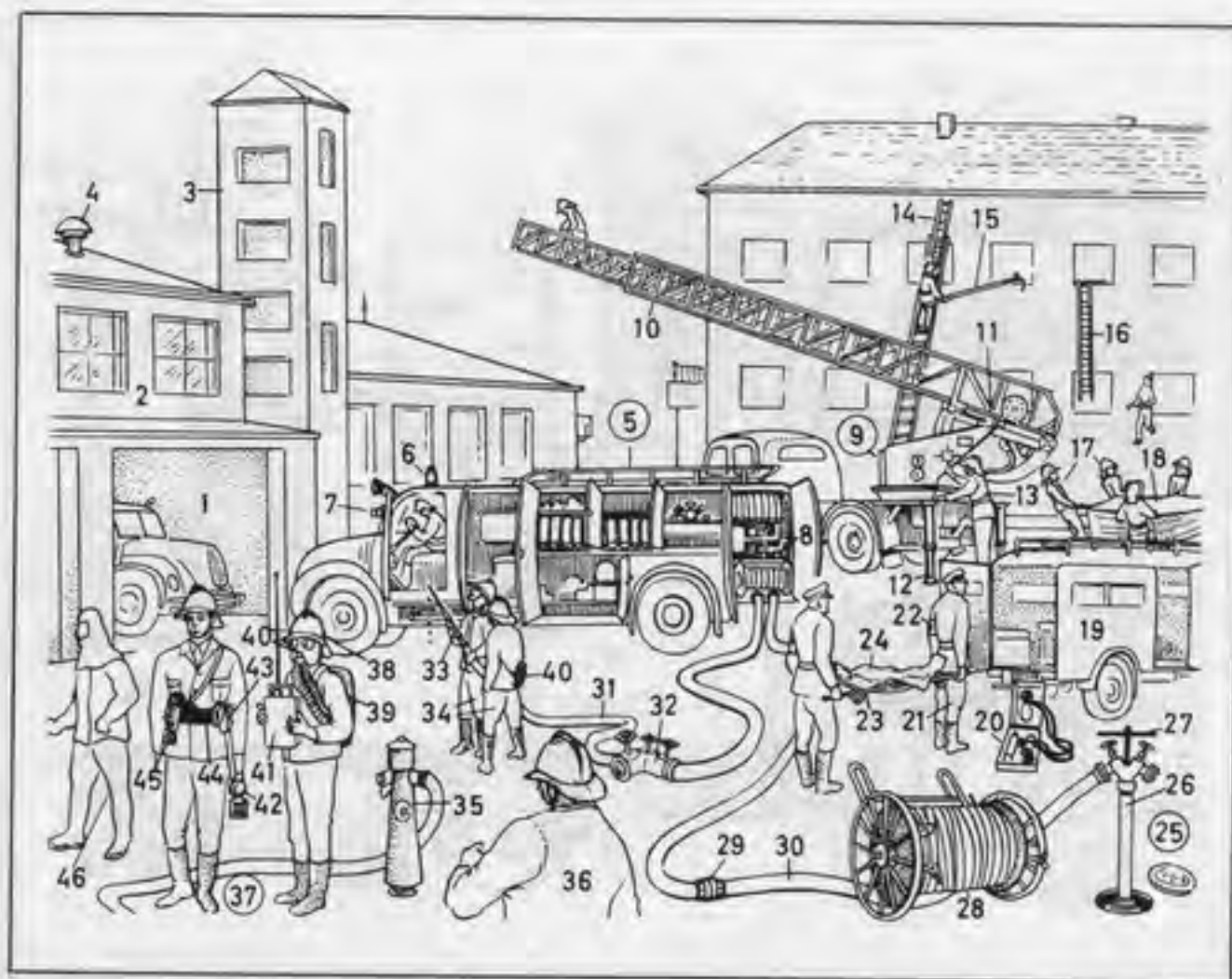


1-66 drinking water supply

- 1 water table (groundwater level)
- 2 water-bearing stratum (aquifer, aquafer)
- 3 groundwater stream (underground stream)
- 4 collector well for raw water
- 5 suction pipe
- 6 pump strainer (with foot valve)
- 7 bucket pump with motor
- 8 vacuum pump with motor
- 9 rapid-filter plant
- 10 filter gravel (filter bed)
- 11 filter bottom, a grid
- 12 filtered water outlet
- 13 purified water tank
- 14 suction pipe with pump strainer and foot valve
- 15 main pump with motor
- 16 delivery pipe
- 17 compressed-air vessel (air vessel, air receiver)
- 18 water tower
- 19 riser pipe (riser)
- 20 overflow pipe
- 21 outlet
- 22 distribution main
- 23 excess water conduit
- 24-39 tapping a spring
- 24 chamber
- 25 chamber wall
- 26 manhole
- 27 ventilator
- 28 step irons
- 29 filling (backing)
- 30 outlet control valve
- 31 outlet valve
- 32 strainer
- 33 overflow pipe (overflow)
- 34 bottom outlet
- 35 earthenware pipes
- 36 impervious stratum (impermeable stratum)
- 37 rough rubble
- 38 water-bearing stratum (aquifer, aquafer)
- 39 loam seal (clay seal)
- 40-52 individual water supply
- 40 well
- 41 suction pipe

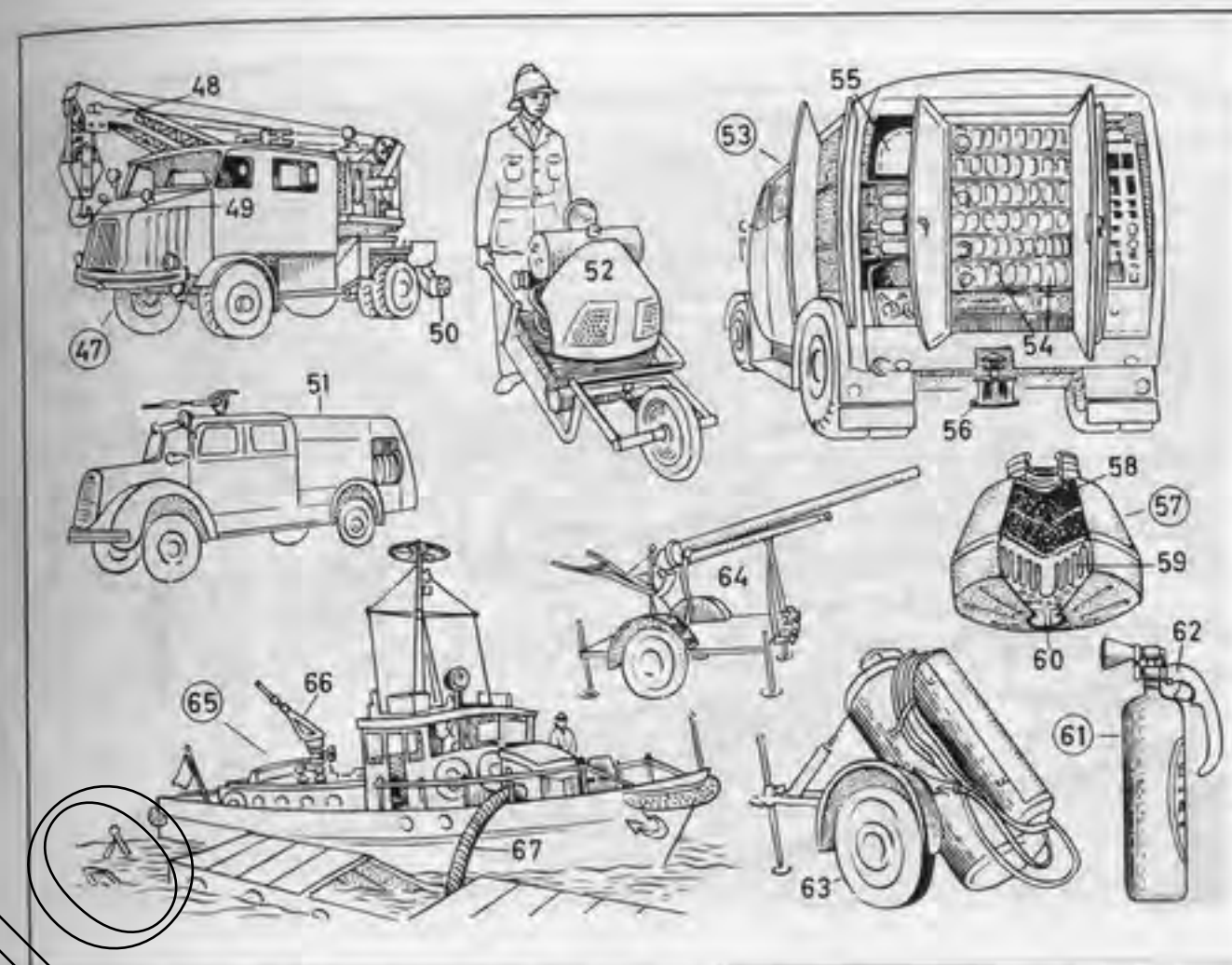


- 42 water table (groundwater level)
- 43 pump strainer with foot valve
- 44 centrifugal pump
- 45 motor
- 46 motor safety switch
- 47 manostat, a switching device
- 48 stopcock
- 49 delivery pipe
- 50 compressed-air vessel (air vessel, air receiver)
- 51 manhole
- 52 delivery pipe
- 53 water meter, a rotary meter
- 54 water inlet
- 55 counter gear assembly
- 56 cover with glass lid
- 57 water outlet
- 58 water-meter dial
- 59 counters
- 60 driven well (tube well, drive well)
- 61 pile shoe
- 62 filter
- 63 water table (groundwater level)
- 64 well casing
- 65 well head
- 66 hand pump

**1-46 fire service drill**

- (extinguishing, climbing, ladder, and rescue work)
- 1-3** fire station
- 1 engine and appliance room
- 2 firemen's quarters
- 3 drill tower
- 4 fire alarm (fire alarm siren, fire siren)
- 5 fire engine
- 6 blue light (warning light), a flashing light (*Am.* flashlight)
- 7 horn (hooter)
- 8 motor pump, a centrifugal pump
- 9 motor turntable ladder (*Am.* aerial ladder)
- 10 ladder, a steel ladder (automatic extending ladder)
- 11 ladder mechanism
- 12 jack
- 13 ladder operator
- 14 extension ladder
- 15 ceiling hook (*Am.* preventer)
- 16 hook ladder (*Am.* pompier ladder)

- 17 holding squad
- 18 jumping sheet (sheet)
- 19 ambulance car (ambulance)
- 20 resuscitator (resuscitation equipment), oxygen apparatus
- 21 ambulance attendant (ambulance man)
- 22 armband (armlet, brassard)
- 23 stretcher
- 24 unconscious man
- 25 pit hydrant
- 26 standpipe (riser, vertical pipe)
- 27 hydrant key
- 28 hose reel (*Am.* hose cart, hose wagon, hose truck, hose carriage)
- 29 hose coupling
- 30 soft suction hose
- 31 delivery hose
- 32 dividing breeching
- 33 branch
- 34 branchmen
- 35 surface hydrant (fire plug)
- 36 officer in charge
- 37 fireman (*Am.* firefighter)



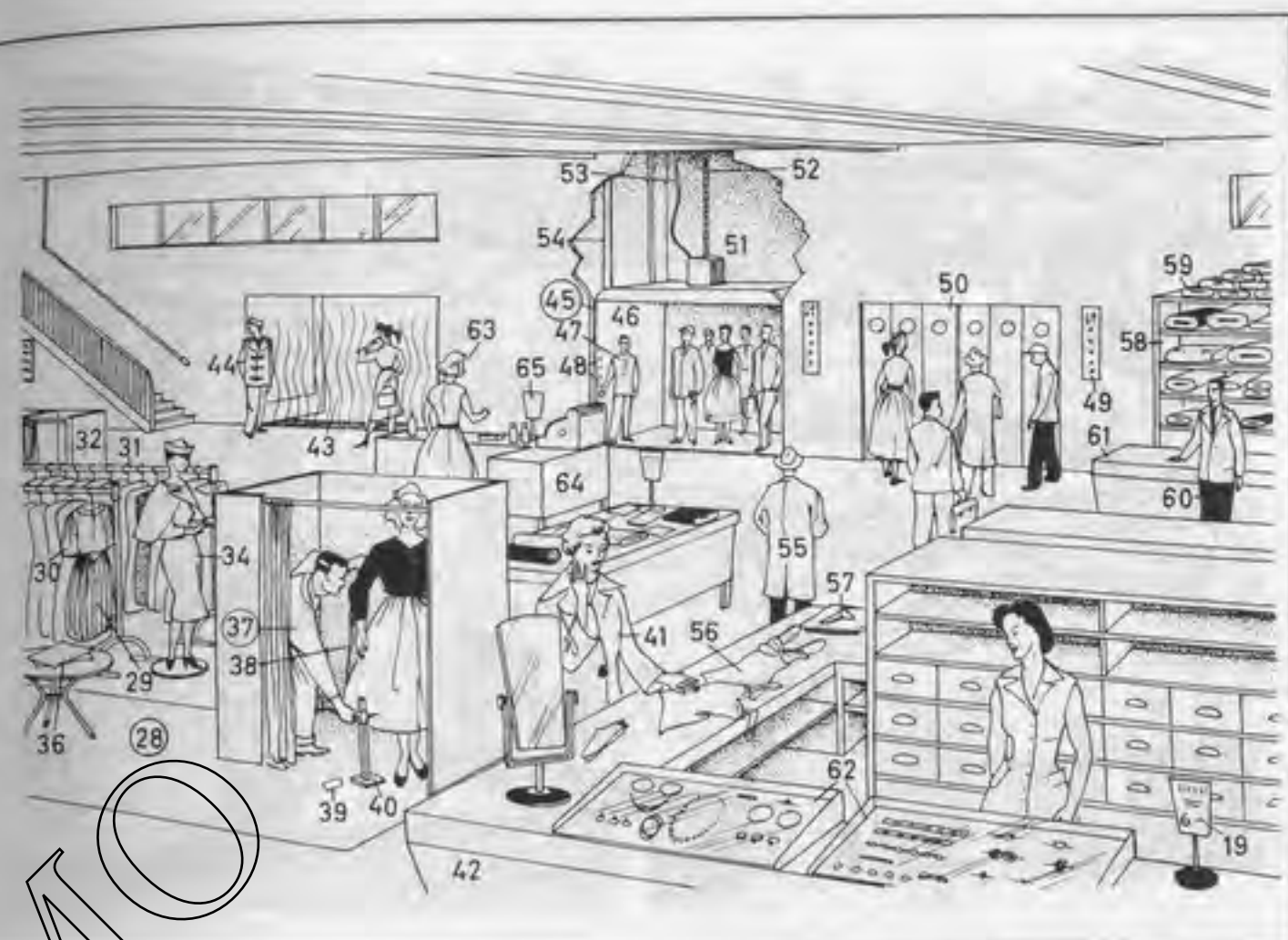
- 38 helmet (fireman's helmet, *Am.* fire hat)
- 39 breathing apparatus
- 40 face mask
- 41 walkie-talkie set
- 42 hand lamp
- 43 small axe (*Am.* ax, pompier hatchet)
- 44 hook belt
- 45 beltline
- 46 protective clothing of asbestos (asbestos suit) or of metallic fabric
- 47 breakdown lorry (*Am.* crane truck, wrecking crane)
- 48 lifting crane
- 49 load hook (draw hook, *Am.* drag hook)
- 50 support roll
- 51 water tender
- 52 portable pump
- 53 hose layer
- 54 flaked lengths of hose
- 55 cable drum

- 56 winch
- 57 face mask filter
- 58 active carbon (activated carbon, activated charcoal)
- 59 dust filter
- 60 air inlet
- 61 portable fire extinguisher
- 62 trigger valve
- 63 large mobile extinguisher (wheeled fire extinguisher)
- 64 foam-making branch (*Am.* foam gun)
- 65 fireboat
- 66 monitor (water cannon)
- 67 suction hose



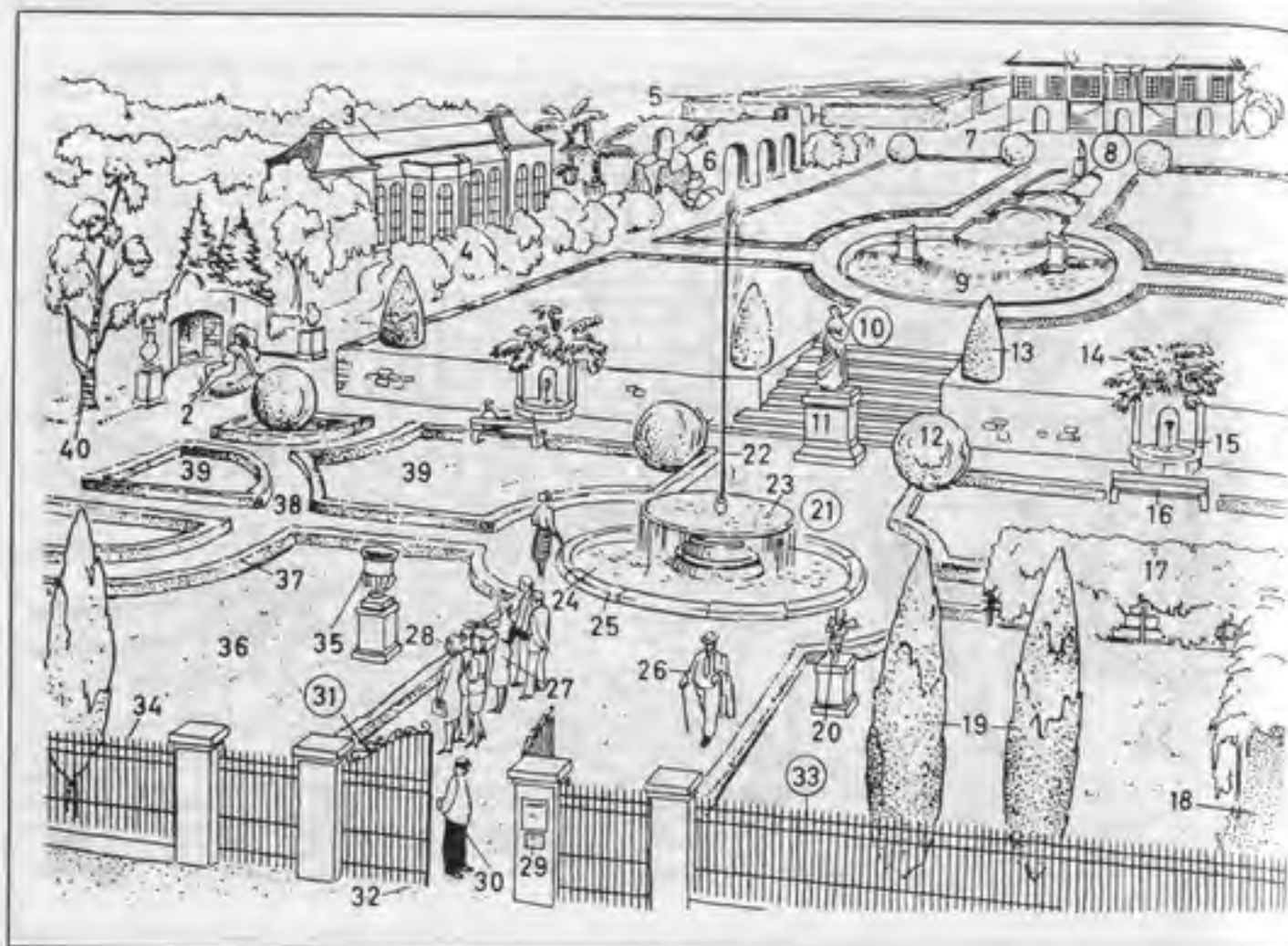
- 1 cashier
- 2 electric cash register (till)
- 3 number keys
- 4 cancellation button
- 5 cash drawer (till)
- 6 compartments (money compartments) for coins and notes (*Am.* bills)
- 7 receipt (sales check)
- 8 cash total
- 9 adding mechanism
- 10 goods
- 11 glass-roofed well
- 12 men's wear department
- 13 showcase (display case, indoor display window)
- 14 wrapping counter
- 15 tray for purchases
- 16 customer
- 17 hosiery department
- 18 shop assistant (*Am.* salesgirl, saleslady)
- 19 price card
- 20 glove stand

- 21 duffle coat, a three-quarter length coat
- 22 escalator
- 23 fluorescent light (fluorescent lamp)
- 24 office (e.g. customer accounts office, travel agency, manager's office)
- 25 poster (advertisement)
- 26 theatre (*Am.* theater) and concert booking office (advance booking office)
- 27 shelves
- 28 ladies' wear department
- 29 ready-made dress (ready-to-wear dress, *coll.* off-the-peg dress)
- 30 dust cover
- 31 clothes rack
- 32 changing booth (fitting booth)
- 33 shop walker (*Am.* floorwalker, floor manager)
- 34 dummy
- 35 seat (chair)



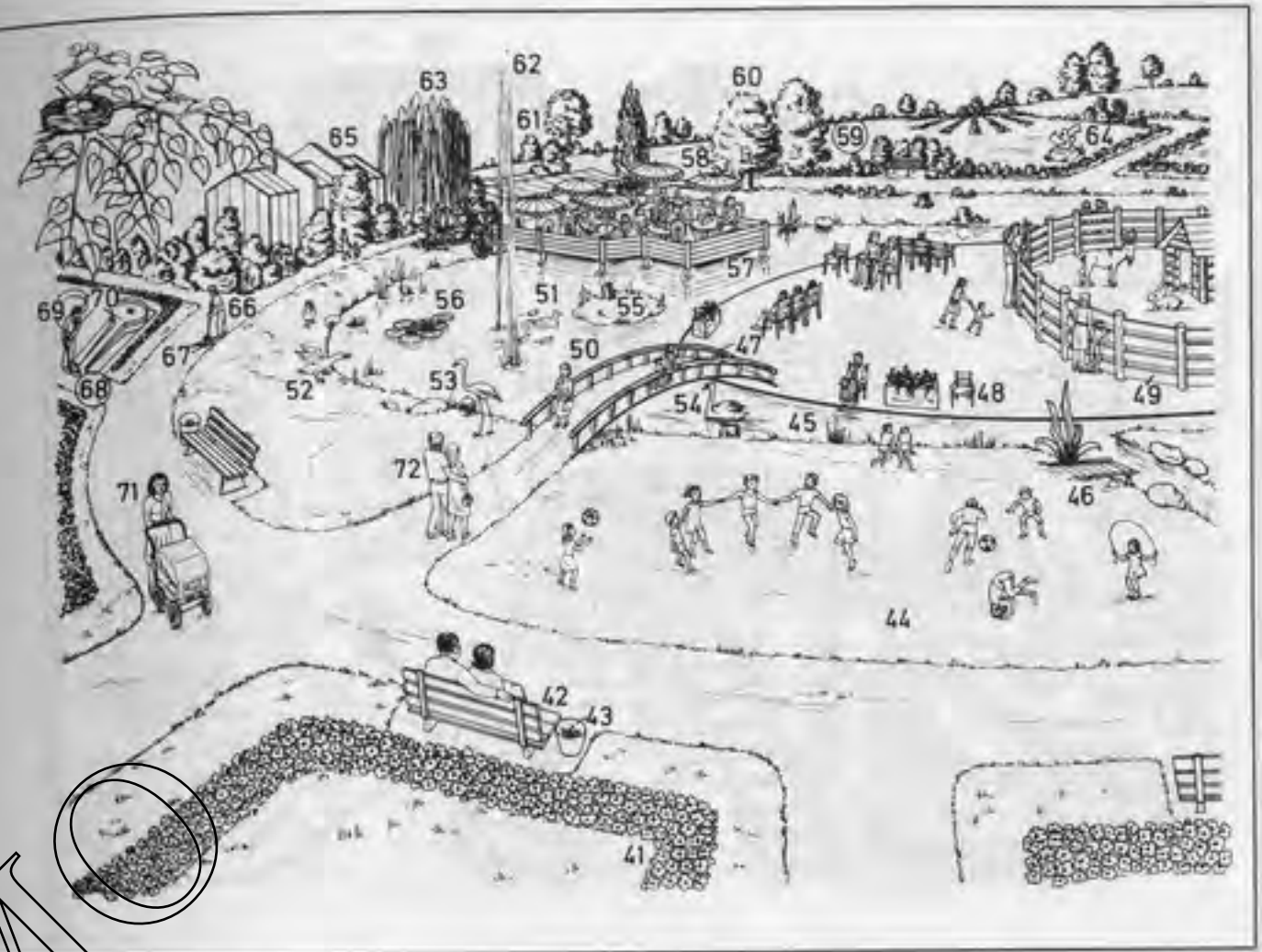
- 36 fashion journal (fashion magazine)
- 37 tailor marking a hemline
- 38 measuring tape (tape measure)
- 39 tailor's chalk (*French* chalk)
- 40 hemline marker
- 41 loose-fitting coat
- 42 sales counter
- 43 warm-air curtain
- 44 doorman (commissionaire)
- 45 lift (*Am.* elevator)
- 46 lift cage (lift car, *Am.* elevator car)
- 47 lift operator (*Am.* elevator operator)
- 48 controls (lift controls, *Am.* elevator controls)
- 49 floor indicator
- 50 sliding door
- 51 lift shaft (*Am.* elevator shaft)
- 52 bearer cable
- 53 control cable
- 54 guide rail
- 55 customer

- 56 hosiery
- 57 linen goods (table linen and bed linen)
- 58 fabric department
- 59 roll of fabric (roll of material, roll of cloth)
- 60 head of department (department manager)
- 61 sales counter
- 62 jewellery (*Am.* jewelry) department
- 63 assistant (*Am.* salesgirl, saleslady), selling new lines (new products)
- 64 special counter (extra counter)
- 65 placard advertising special offers
- 66 curtain department
- 67 display on top of the shelves



- 1-40 formal garden** (French Baroque garden), palace gardens
- 1 grotto (cavern)
 - 2 stone statue, a river nymph
 - 3 orangery (orangerie)
 - 4 boschage (boskage)
 - 5 maze (labyrinth of paths and hedges)
 - 6 open-air theatre (*Am.* theater)
 - 7 Baroque palace
 - 8 fountains
 - 9 cascade (broken artificial waterfall, artificial falls)
 - 10 statue, a monument
 - 11 pedestal (base of statue)
 - 12 globe-shaped tree
 - 13 conical tree
 - 14 ornamental shrub
 - 15 wall fountain
 - 16 park bench
 - 17 pergola (bower, arbour, *Am.* arbor)
 - 18 gravel path (gravel walk)
 - 19 pyramid tree (pyramidal tree)

- 20 cupid (cherub, amoretto, amorino)
- 21 fountain
- 22 fountain
- 23 overflow basin
- 24 basin
- 25 kerb (curb)
- 26 man out for a walk
- 27 tourist guide
- 28 group of tourists
- 29 park by-laws (*bye-laws*)
- 30 park keeper
- 31 garden gates, wrought iron gates
- 32 park entrance
- 33 park railings
- 34 railing (bar)
- 35 stone vase
- 36 lawn
- 37 border, a trimmed (clipped) hedge
- 38 park path
- 39 parterre
- 40 birch (birch tree)

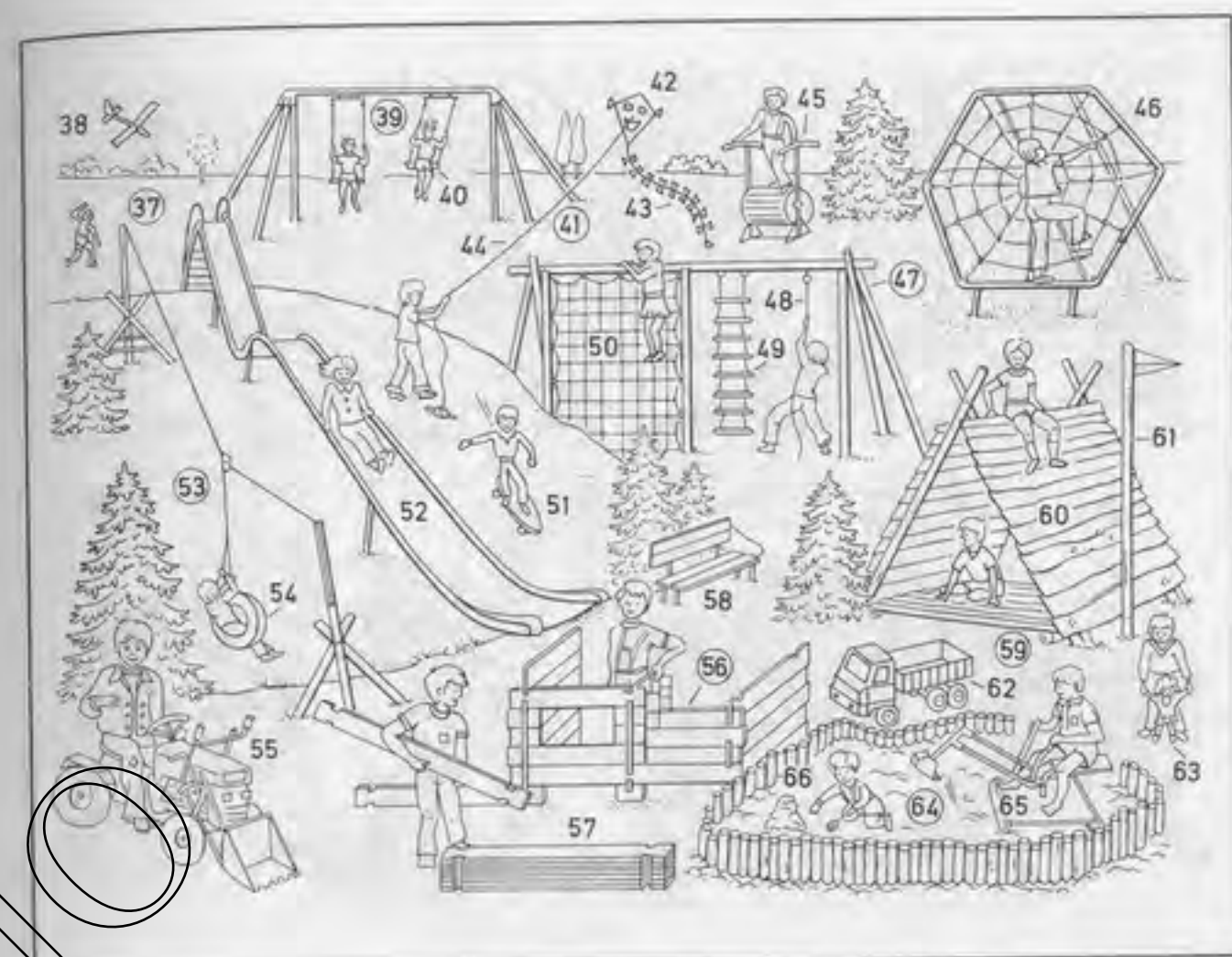


- 41-72 landscaped park** (*jardin anglais*)
- 41 flower bed
 - 42 park bench (garden seat)
 - 43 litter bin (*Am.* litter basket)
 - 44 play area
 - 45 stream
 - 46 jetty
 - 47 bridge
 - 48 park chair
 - 49 animal enclosure
 - 50 pond
 - 51-54 waterfowl
 - 51 wild duck with young
 - 52 goose
 - 53 flamingo
 - 54 swan
 - 55 island
 - 56 water lily
 - 57 open-air café
 - 58 sunshade
 - 59 tree
 - 60 treetop (crown)
 - 61 group of trees

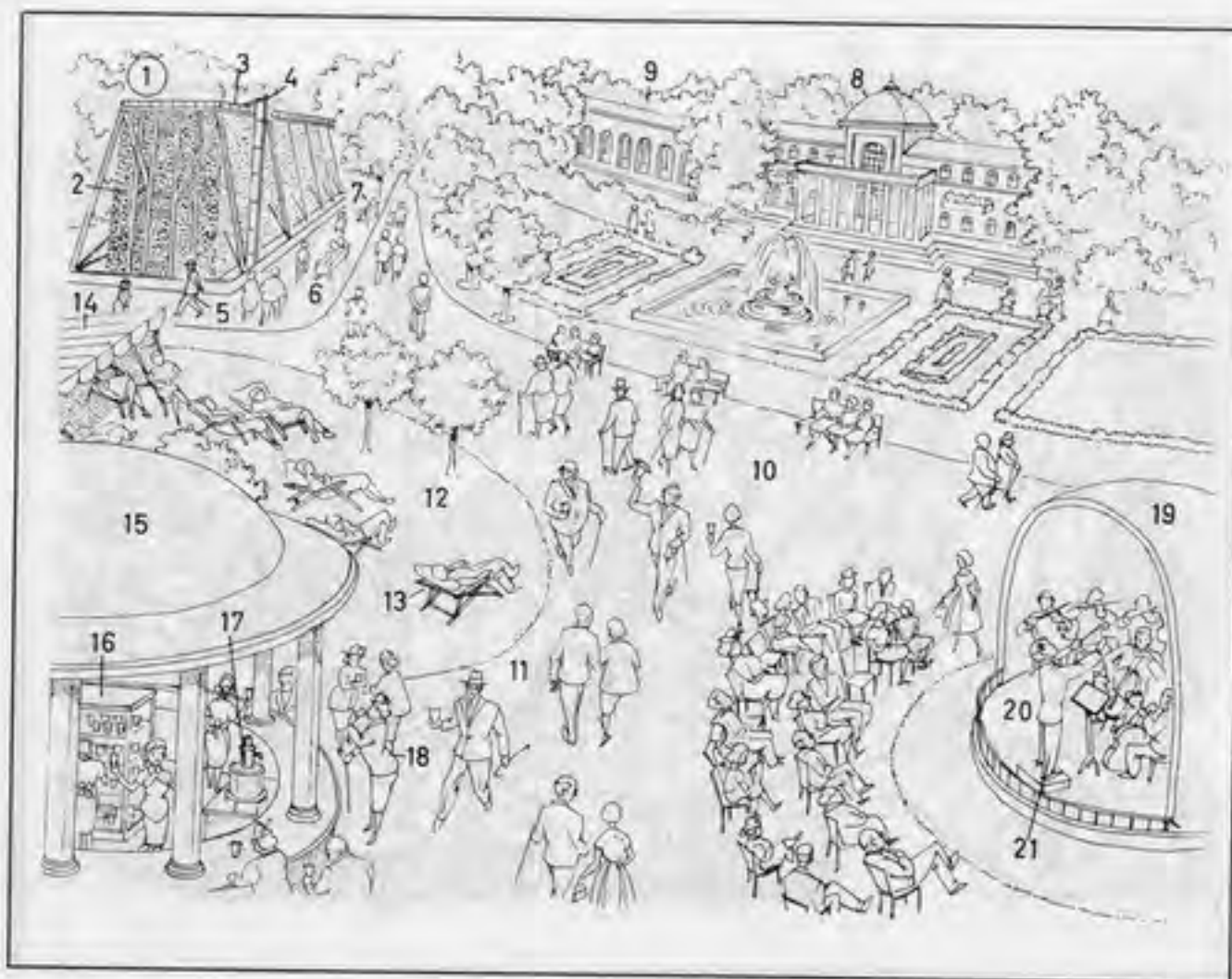
- 62 fountain
- 63 weeping willow
- 64 modern sculpture
- 65 hothouse
- 66 park gardener
- 67 broom
- 68 minigolf course
- 69 minigolf player
- 70 minigolf hole
- 71 mother with pram (baby carriage)
- 72 courting couple (young couple)



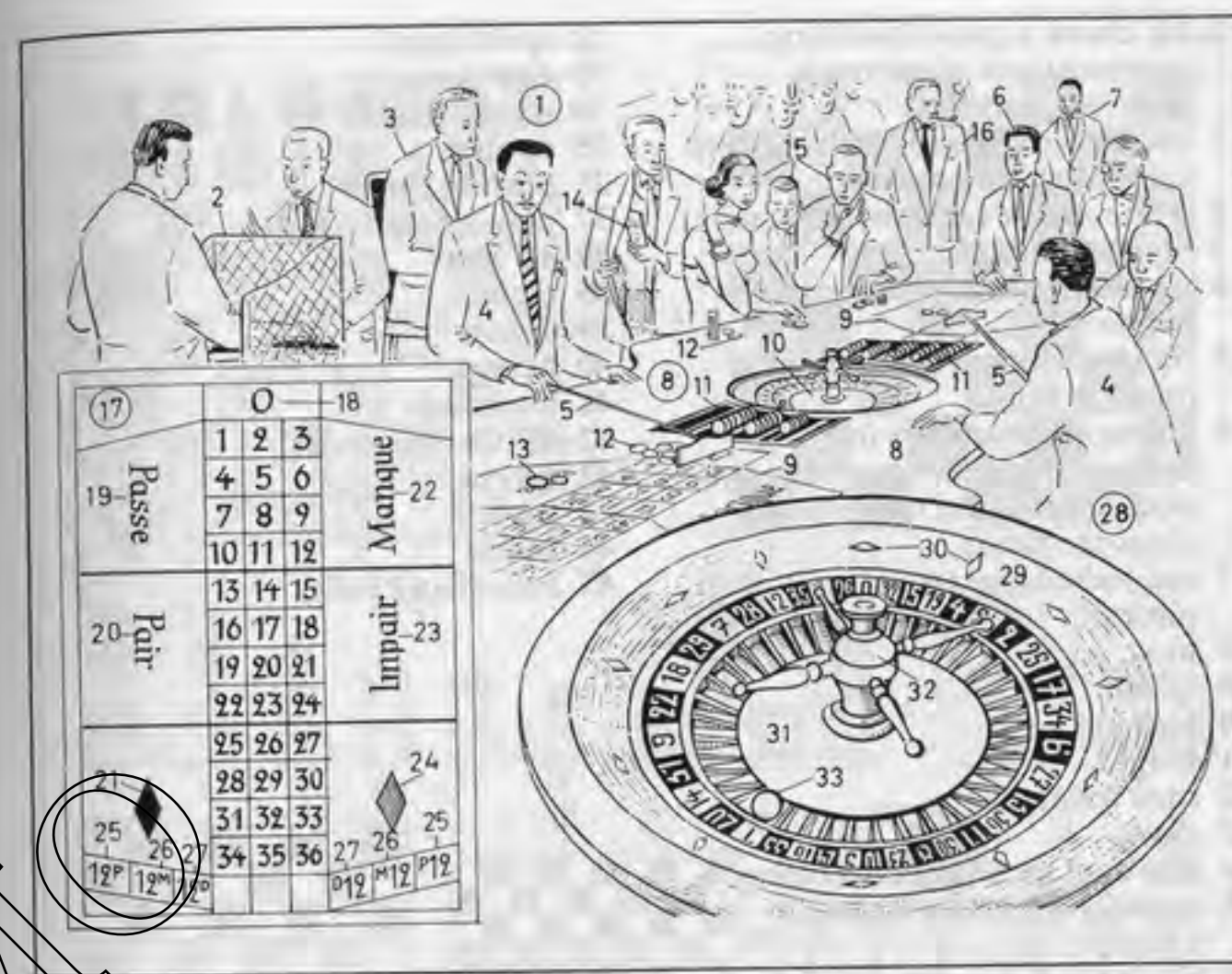
- | | |
|---|--|
| 1 table tennis | 23 lookout platform |
| 2 table | 24 slide |
| 3 table tennis net | 25 litter bin (<i>Am.</i> litter basket) |
| 4 table tennis racket (raquet) (table tennis bat) | 26 teddy bear |
| 5 table tennis ball | 27 wooden train set |
| 6 badminton game (shuttlecock game) | 28 paddling pool |
| 7 shuttlecock | 29 sailing boat (yacht, <i>Am.</i> sailboat) |
| 8 maypole swing | 30 toy duck |
| 9 child's bicycle | 31 pram (baby carriage) |
| 10 football (soccer) | 32 high bar (bar) |
| 11 goal (goalposts) | 33 go-cart (soap box) |
| 12 football | 34 starter's flag |
| 13 goal scorer | 35 seesaw |
| 14 goalkeeper | 36 robot |
| 15 skipping (<i>Am.</i> jumping rope) | 37 flying model aeroplanes (<i>Am.</i> airplanes) |
| 16 skipping rope (<i>Am.</i> skip rope, jump rope, jumping rope) | 38 model aeroplane (<i>Am.</i> airplane) |
| 17 climbing tower | 39 double swing |
| 18 rubber tyre (<i>Am.</i> tire) swing | 40 swing seat |
| 19 lorry tyre (<i>Am.</i> truck tire) | 41 flying kites |
| 20 bouncing ball | 42 kite |
| 21 adventure playground | 43 tail of the kite |
| 22 log ladder | 44 kite string |



- | |
|---|
| 47 climbing frame |
| 48 climbing rope |
| 49 rope ladder |
| 50 climbing net |
| 51 skateboard |
| 52 up-and-down slide |
| 53 rubber tyre (<i>Am.</i> tire) cable car |
| 54 rubber tyre (<i>Am.</i> tire) |
| 55 tractor, a pedal car |
| 56 den |
| 57 presawn boards |
| 58 seat (bench) |
| 59 Indian hut |
| 60 climbing roof |
| 61 flagpole (flagstaff) |
| 62 toy lorry (<i>Am.</i> toy truck) |
| 63 walking doll |
| 64 sandpit (<i>Am.</i> sandbox) |
| 65 toy excavator (toy digger) |
| 66 sandhill |



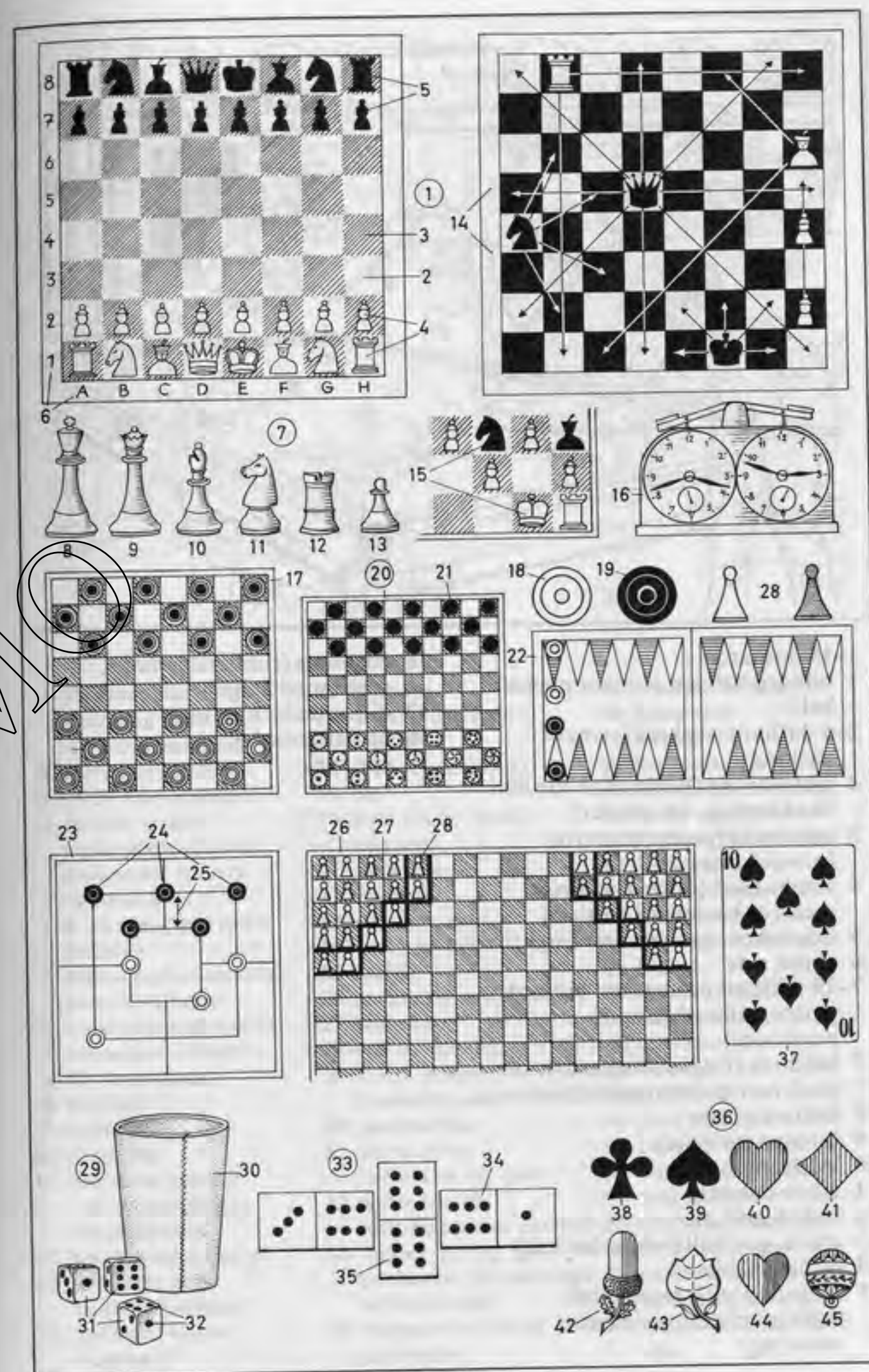
- 1-21 spa gardens
 1-7 salina (salt works)
 1 thorn house (graduation house)
 2 thorns (brushwood)
 3 brine channels
 4 brine pipe from the pumping station
 5 salt works attendant
 6-7 inhalational therapy
 6 open-air inhalatorium (outdoor inhalatorium)
 7 patient inhaling (taking an inhalation)
 8 hydropathic (pump room) with kursaal (casino)
 9 colonnade
 10 spa promenade
 11 avenue leading to the mineral spring
 12-14 rest cure
 12 sunbathing area (lawn)
 13 deck-chair
 14 sun canopy
 15 pump room
 16 rack for glasses
 17 tap
 18 patient taking the waters
 19 bandstand
 20 spa orchestra giving a concert
 21 conductor

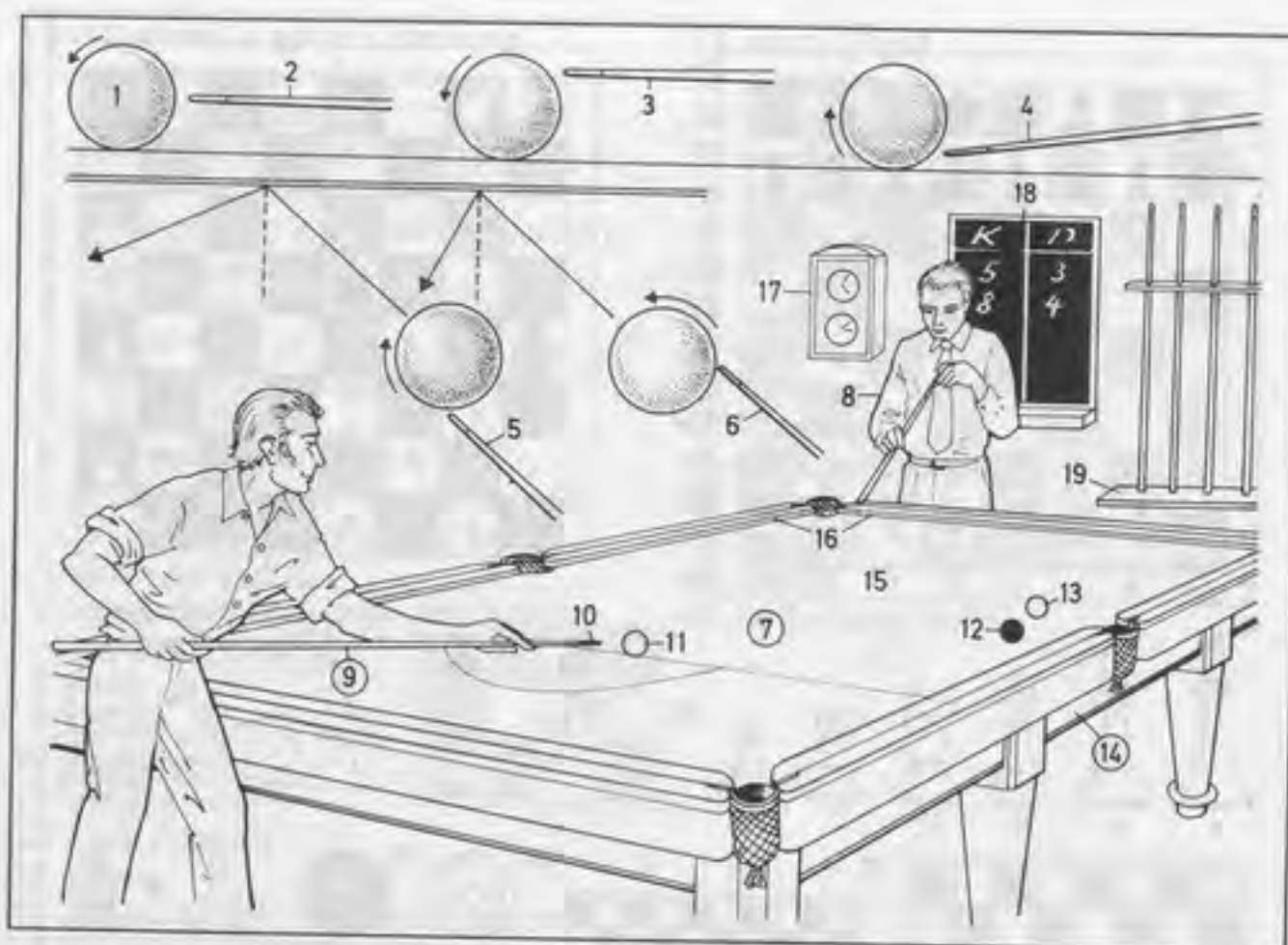


- 1-33 roulette, a game of chance (gambling game)
 1 gaming room in a casino (gambling casino)
 2 cash desk
 3 tourneur (dealer)
 4 croupier
 5 rake
 6 head croupier
 7 hall manager
 8 roulette table (gaming table, gambling table)
 9 roulette layout
 10 roulette wheel
 11 bank
 12 chip (check, plaque)
 13 stake
 14 membership card
 15 roulette player
 16 private detective (house detective)
 17 roulette layout
 18 zero (nought, O)
 19 passe (high) [numbers 19 to 36]
 20 pair (even numbers)
 21 noir (black)
 22 manque (low) [numbers 1 to 18]
 23 impair [odd numbers]
 24 rouge (red)
 25 douze premier (first dozen) [numbers 1 to 12]
 26 douze milieu (second dozen) [numbers 13 to 24]
 27 douze dernier (third dozen) [numbers 25 to 36]
 28 roulette wheel (roulette)
 29 roulette bowl
 30 fret (separator)
 31 revolving disc (disk) showing numbers 0 to 36
 32 spin
 33 roulette ball

- 1-16 chess, a game involving combinations of moves, a positional game
- 1 chessboard (board) with the men (chessmen) in position
- 2 white square (chessboard square)
- 3 black square
- 4 white chessmen (white pieces) [white = W]
- 5 black chessmen (black pieces) [black = B]
- 6 letters and numbers for designating chess squares in the notation of chess moves and chess problems
- 7 individual chessmen (individual pieces)
- 8 king
- 9 queen
- 10 bishop
- 11 knight
- 12 rook (castle)
- 13 pawn
- 14 moves of the individual pieces
- 15 mate (checkmate), a mate by knight
- 16 chess clock, a double clock for chess matches (chess championships)
- 17-19 draughts (*Am.* checkers)
- 17 draughtboard (*Am.* checkerboard)
- 18 white draughtsman (*Am.* checker, checkerman); *also:* piece for backgammon and nine men's morris
- 19 black draughtsman (*Am.* checker, checkerman)
- 20 salta
- 21 salta piece
- 22 backgammon board
- 23-25 nine men's morris
- 23 nine men's morris board
- 24 mill
- 25 double mill
- 26-28 halma
- 26 halma board
- 27 yard (camp, corner)
- 28 halma pieces (halma men) of various colours (*Am.* colors)
- 29 dice (dicing)
- 30 dice cup
- 31 dice

- 32 spots (pips)
- 33 dominoes
- 34 domino (tile)
- 35 double
- 36 playing cards
- 37 playing card (card)
- 38-45 suits
- 38 clubs
- 39 spades
- 40 hearts
- 41 diamonds
- 42-45 German suits
- 42 acorns
- 43 leaves
- 44 hearts
- 45 bells (hawkbells)





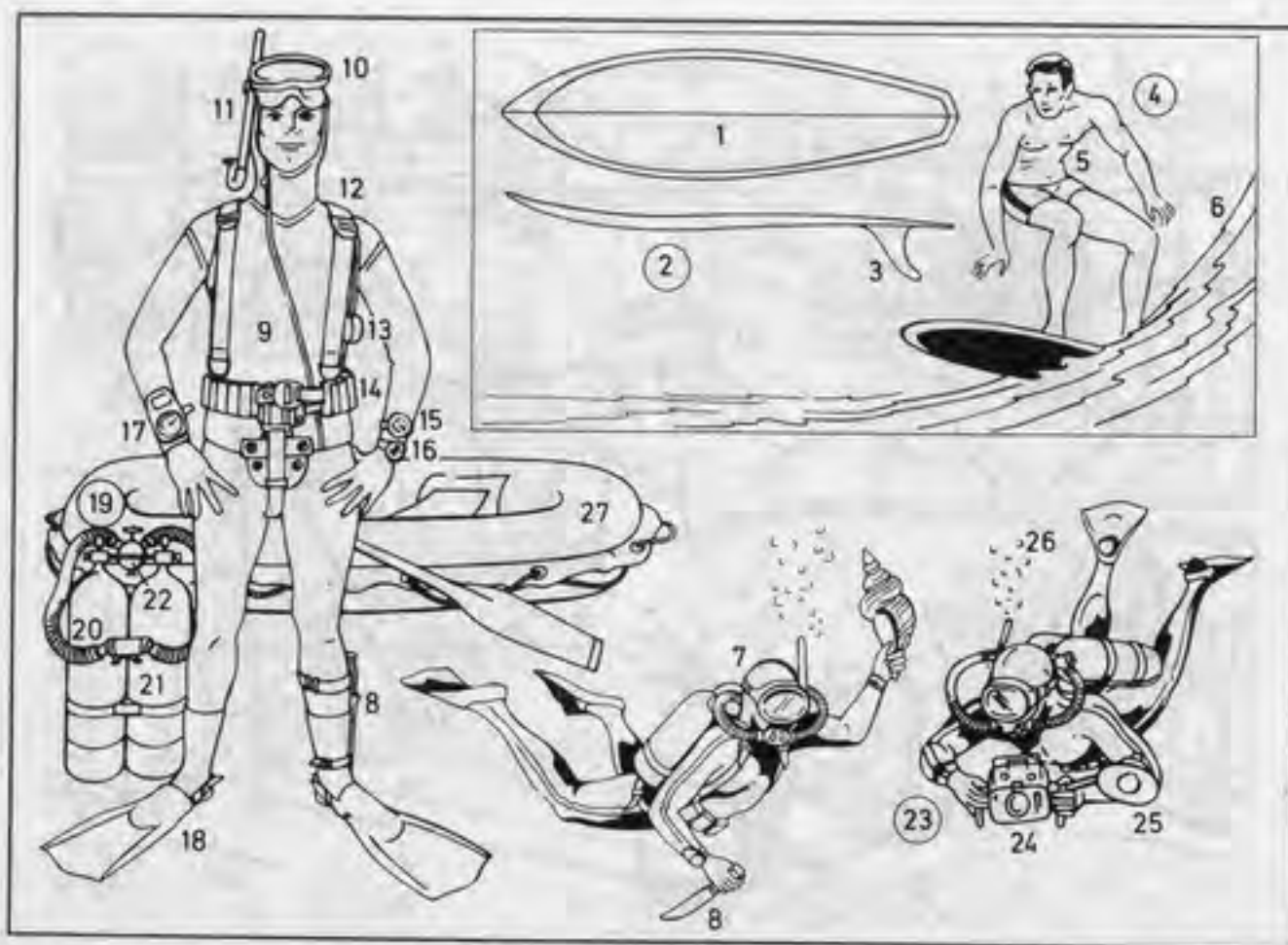
1-19 billiards

- 1 billiard ball, an ivory or plastic ball
- 2-6 billiard strokes (forms of striking)
 - 2 plain stroke (hitting the cue ball dead centre, *Am.* center)
 - 3 top stroke [promotes extra forward rotation]
 - 4 screw-back [imparts a direct recoil or backward motion]
 - 5 side (running side, *Am.* English)
 - 6 check side
- 7-19 billiard room (*Am.* billiard parlor, billiard saloon, poolroom)
- 7 billiards (English billiards); *sim.*: pool, carom (carrom) billiards
- 8 billiard player
- 9 billiard cue (cue)
- 10 leather cue tip
- 11 white cue ball
- 12 red object ball
- 13 white spot ball (white dot ball)
- 14 billiard table
- 15 table bed with green cloth (billiard cloth, green baize covering)

- 16 cushions (rubber cushions, cushioned ledge)
- 17 billiard clock, a timer
- 18 billiard marker
- 19 cue rack

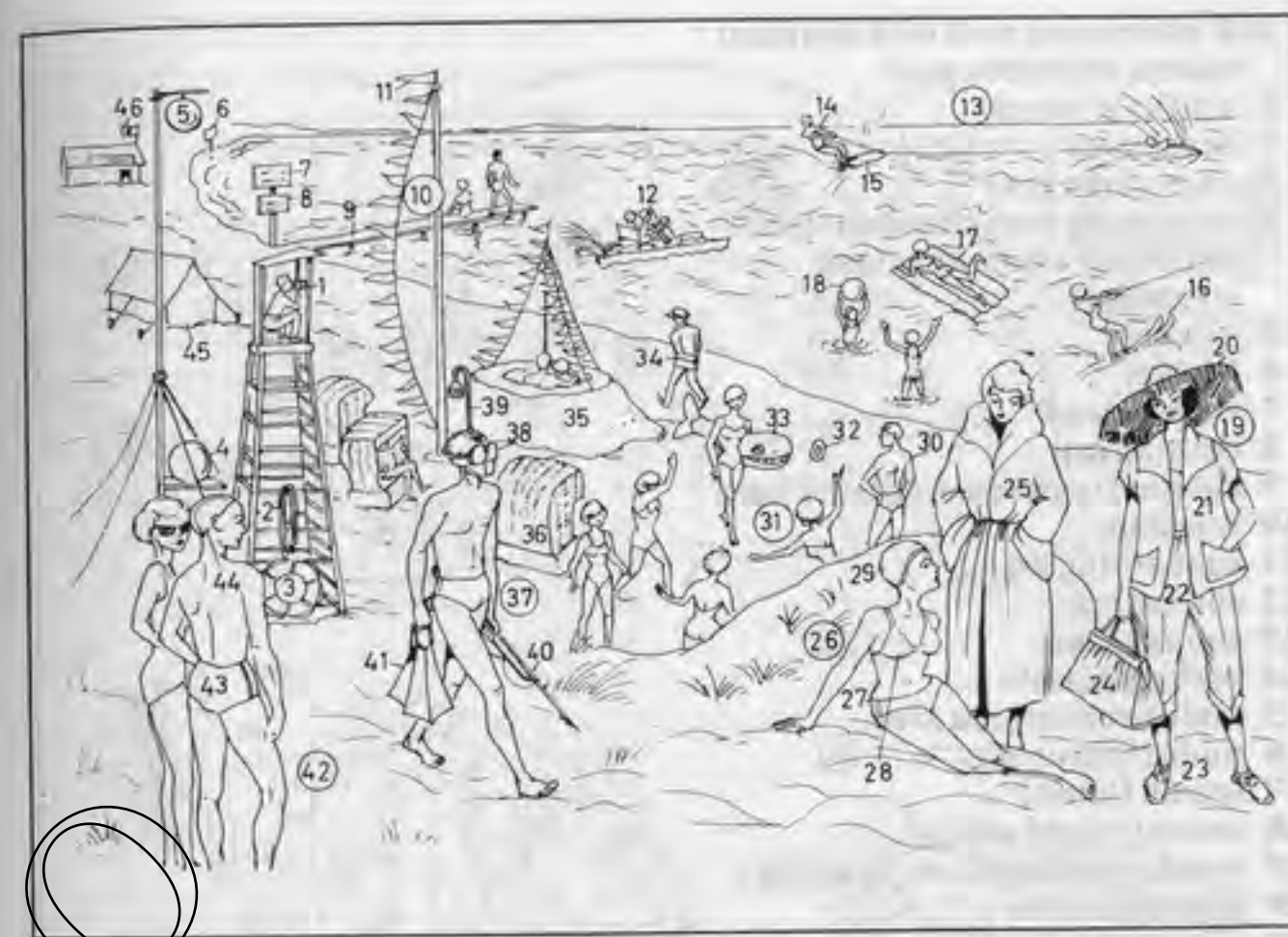
59 camp site
(camping site,
Am. campground)

- 1 reception (office)
- 2 camp site attendant
- 3 folding trailer (collapsible caravan, collapsible trailer)
- 4 hammock
- 5-6 washing and toilet facilities
- 5 toilets and washrooms (*Am.* lavatories)
- 6 washbasins and sinks
- 7 bungalow (chalet)
- 8-11 scout camp
- 8 bell tent
- 9 pennon
- 10 camp fire
- 11 boy scout (scout)
- 12 sailing boat (yacht, *Am.* sailboat)
- 13 landing stage (jetty)
- 14 inflatable boat (inflatable dinghy)
- 15 outboard motor (outboard)
- 16 trimaran
- 17 thwart (oarsman's bench)
- 18 rowlock (oarlock)
- 19 oar
- 20 boat trailer (boat carriage)
- 21 ridge tent
- 22 flysheet
- 23 guy line (guy)
- 24 tent peg (peg)
- 25 mallet
- 26 groundsheet ring
- 27 bell end
- 28 erected awning
- 29 storm lantern, a paraffin lamp
- 30 sleeping bag
- 31 air mattress (inflatable air-bed)
- 32 water carrier (drinking water carrier)
- 33 double-burner gas cooker for propane gas or butane gas
- 34 propane or butane gas bottle
- 35 pressure cooker
- 36 frame tent
- 37 awning
- 38 tent pole
- 39 wheelarch doorway
- 40 mesh ventilator
- 41 transparent window
- 42 pitch number
- 43 folding camp chair
- 44 folding camp table
- 45 camping tableware
- 46 camper
- 47 charcoal grill (barbecue)
- 48 charcoal
- 49 bellows
- 50 roof rack
- 51 roof lashing
- 52 caravan (*Am.* trailer)
- 53 box for gas bottle
- 54 jockey wheel
- 55 drawbar coupling
- 56 roof ventilator
- 57 caravan awning
- 58 inflatable igloo tent
- 59 camp bed (*Am.* camp cot)



- 1-6 surf riding (surfing)
- 1 plan view of surfboard
- 2 section of surfboard
- 3 skeg (stabilizing fin)
- 4 big wave riding
- 5 surfboarder (surfer)
- 6 breaker
- 7-27 skin diving (underwater swimming)
- 7 skin diver (underwater swimmer)
- 8-22 underwater swimming set
- 8 knife
- 9 neoprene wetsuit
- 10 diving mask (face mask, mask), a pressure-equalizing mask
- 11 snorkel (schnorkel)
- 12 harness of diving apparatus
- 13 compressed-air pressure gauge (Am. gage)
- 14 weight belt
- 15 depth gauge (Am. gage)
- 16 waterproof watch for checking duration of dive
- 17 decometer for measuring stages of ascent
- 18 fin (flipper)

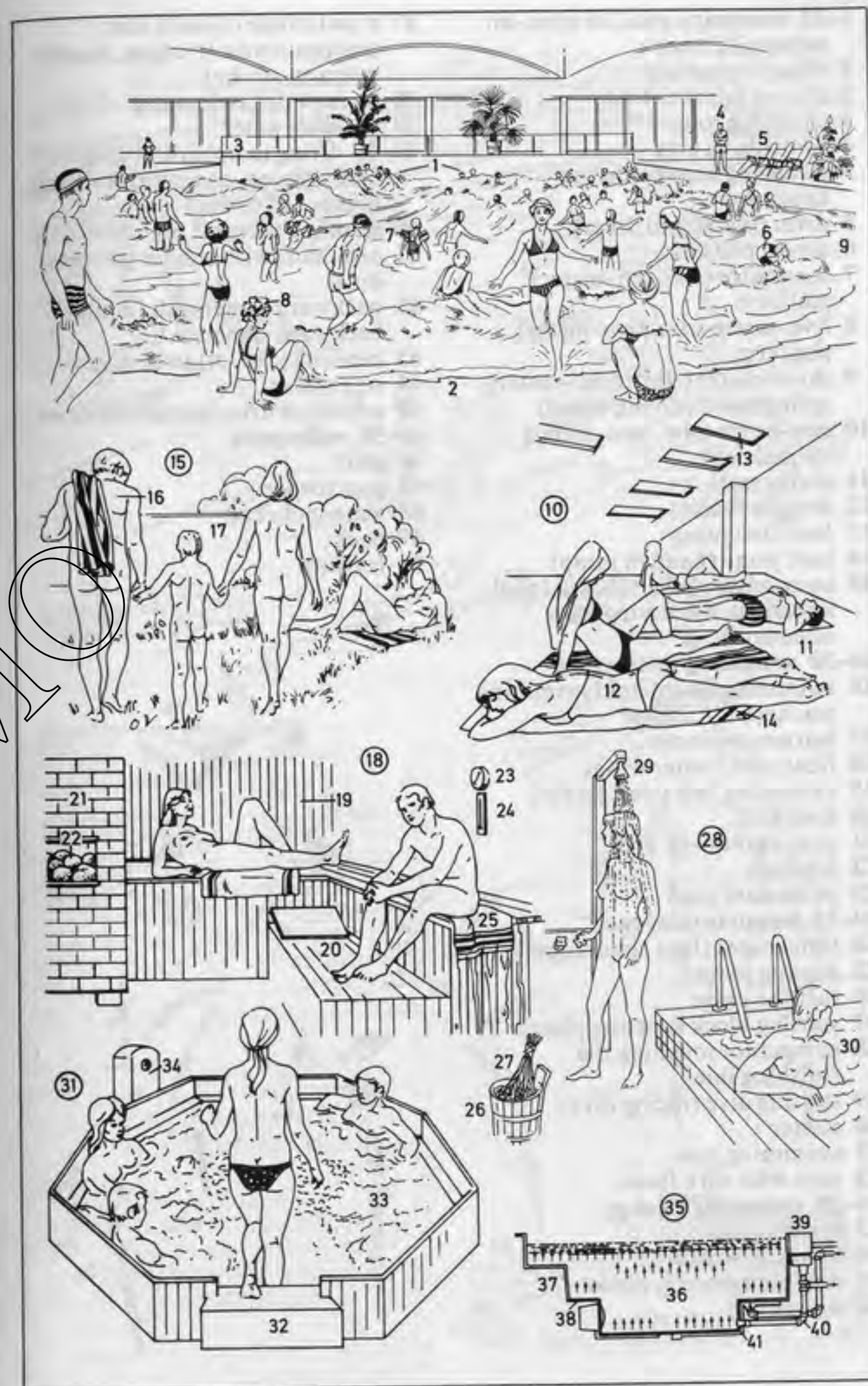
- 19 diving apparatus (also: aqualung, scuba), with two cylinders (bottles)
- 20 two-tube demand regulator
- 21 compressed-air cylinder (compressed-air bottle)
- 22 on/off valve
- 23 underwater photography
- 24 underwater camera
- 25 underwater flashlight
- 26 exhaust bubbles
- 27 inflatable boat (inflatable dinghy)



- 1 lifeguard (lifeguard)
- 2 lifeline
- 3 lifebelt (lifebuoy)
- 4 storm signal
- 5 time ball
- 6 warning sign
- 7 tide table, a notice board showing times of low tide and high tide
- 8 board showing water and air temperature
- 9 bathing platform
- 10 pennon staff
- 11 pennon
- 12 paddle boat (peddle boat)
- 13 surf riding (surfing) behind motorboat
- 14 surfboarder (surfer)
- 15 surfboard
- 16 water ski
- 17 inflatable beach mattress
- 18 beach ball
- 19-23 beachwear
- 19 beach suit
- 20 beach hat
- 21 beach jacket
- 22 beach trousers
- 23 beach shoe (bathing shoe)

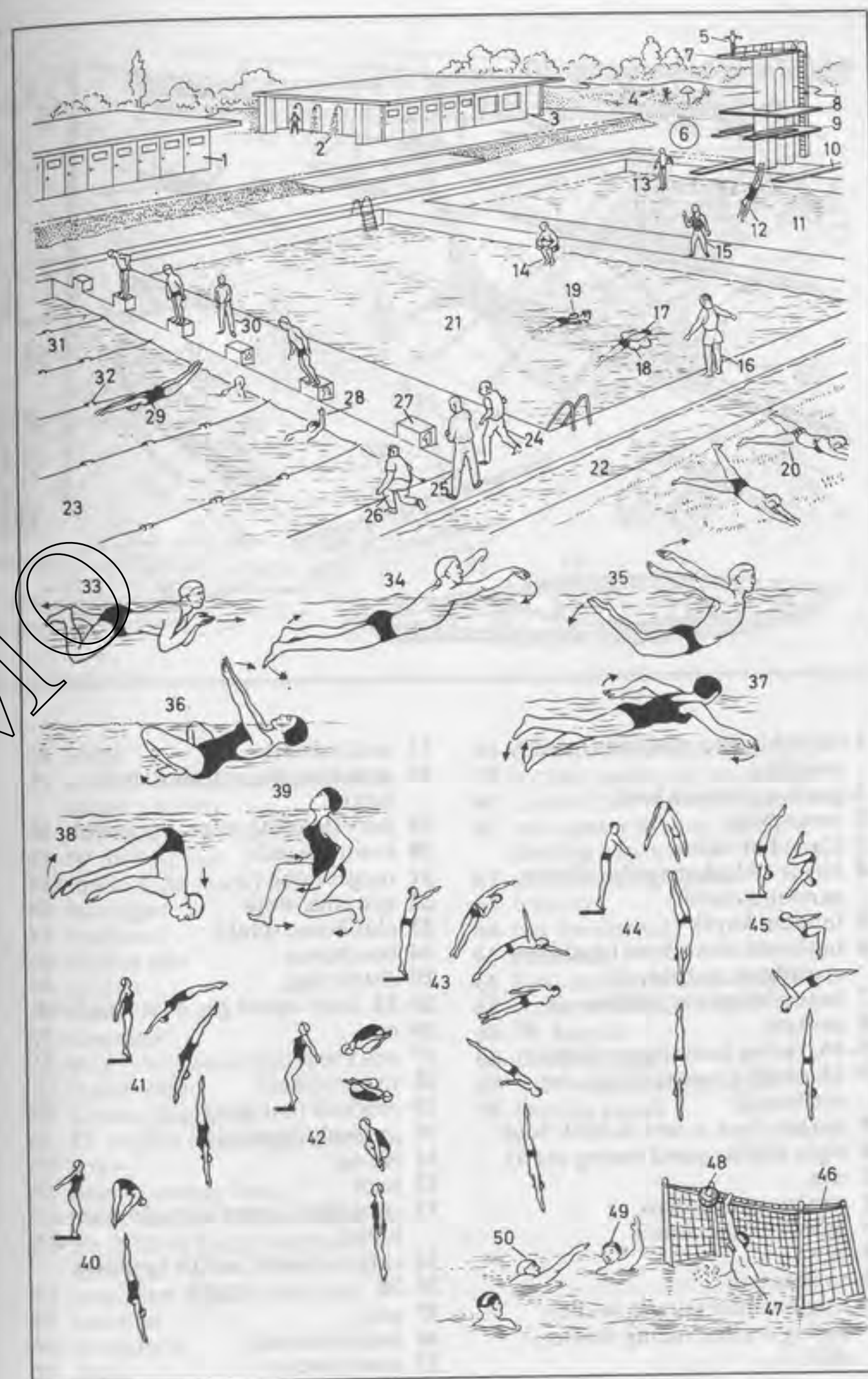
- 24 beach bag
- 25 bathing gown (bathing wrap)
- 26 bikini (ladies' two-piece bathing suit)
- 27 bikini bottom
- 28 bikini top
- 29 bathing cap (swimming cap)
- 30 bather
- 31 deck tennis (quoits)
- 32 rubber ring (quoit)
- 33 inflatable rubber animal
- 34 beach attendant
- 35 sandcastle
- 36 roofed wicker beach chair
- 37 underwater swimmer
- 38 diving goggles
- 39 snorkel (schnorkel)
- 40 hand harpoon (fish spear, fish lance)
- 41 fin (flipper) for diving (for underwater swimming)
- 42 bathing suit (swimsuit)
- 43 bathing trunks (swimming trunks)
- 44 bathing cap (swimming cap)
- 45 beach tent, a ridge tent
- 46 lifeguard station

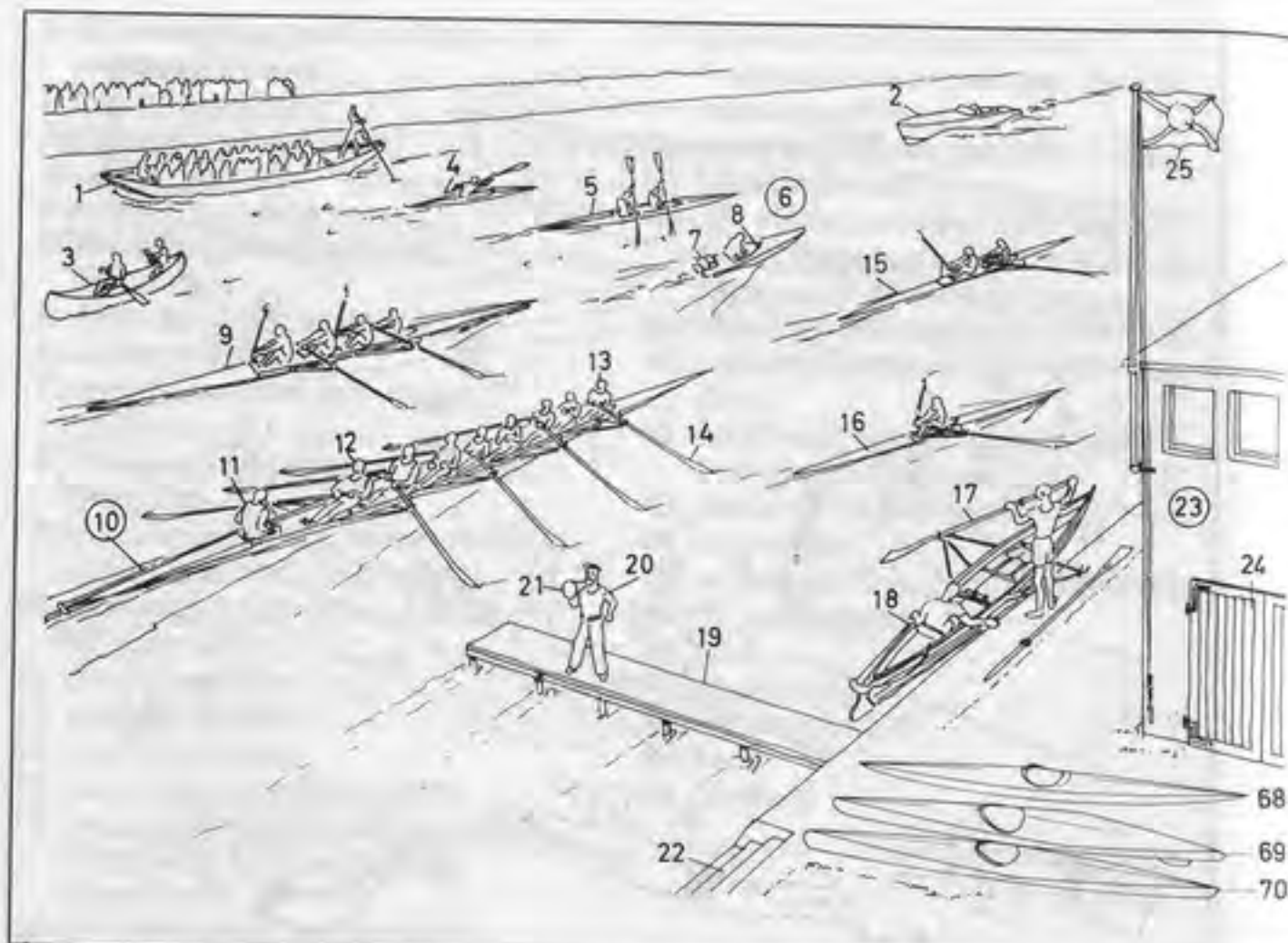
- 1-9 swimming pool with artificial waves, an indoor pool
- 1 artificial waves
- 2 beach area
- 3 edge of the pool
- 4 swimming pool attendant (pool attendant, swimming bath attendant)
- 5 sun bed
- 6 lifebelt
- 7 water wings
- 8 bathing cap
- 9 channel to outdoor mineral bath
- 10 solarium
- 11 sunbathing area
- 12 sun bather
- 13 sun ray lamp
- 14 bathing towel
- 15 nudist sunbathing area
- 16 nudist (naturist)
- 17 screen (fence)
- 18 sauna (mixed sauna)
- 19 wood panelling (Am. paneling)
- 20 tiered benches
- 21 sauna stove
- 22 stones
- 23 hygrometer
- 24 thermometer
- 25 towel
- 26 water tub for moistening the stones in the stove
- 27 birch rods (birches) for beating the skin
- 28 cooling room for cooling off (cooling down) after the sauna
- 29 lukewarm shower
- 30 cold bath
- 31 hot whirlpool (underwater massage bath)
- 32 step into the bath
- 33 massage bath
- 34 jet blower
- 35 hot whirlpool [diagram]
- 36 section of the bath
- 37 step
- 38 circular seat
- 39 water extractor
- 40 water jet pipe
- 41 air jet pipe



- 1-32 swimming pool, an open-air swimming pool
- 1 changing cubicle
 - 2 shower (shower bath)
 - 3 changing room
 - 4 sunbathing area
 - 5-10 diving boards (diving apparatus)
 - 5 diver (highboard diver)
 - 6 diving platform
 - 7 ten-metre (*Am.* ten-meter) platform
 - 8 five-metre (*Am.* five-meter) platform
 - 9 three-metre (*Am.* three-meter) springboard (diving board)
 - 10 one-metre (*Am.* one-meter) springboard
 - 11 diving pool
 - 12 straight header
 - 13 feet-first jump
 - 14 tuck jump (haunch jump)
 - 15 swimming pool attendant (pool attendant, swimming bath attendant)
 - 16-20 swimming instruction
 - 16 swimming instructor (swimming teacher)
 - 17 learner-swimmer
 - 18 float; *sim.*: water wings
 - 19 swimming belt (cork jacket)
 - 20 land drill
 - 21 non-swimmers' pool
 - 22 footbath
 - 23 swimmers' pool
 - 24-32 freestyle relay race
 - 24 timekeeper (lane timekeeper)
 - 25 placing judge
 - 26 turning judge
 - 27 starting block (starting place)
 - 28 competitor touching the finishing line
 - 29 starting dive (racing dive)
 - 30 starter
 - 31 swimming lane
 - 32 rope with cork floats
 - 33-39 swimming strokes
 - 33 breaststroke
 - 34 butterfly stroke
 - 35 dolphin butterfly stroke
 - 36 side stroke

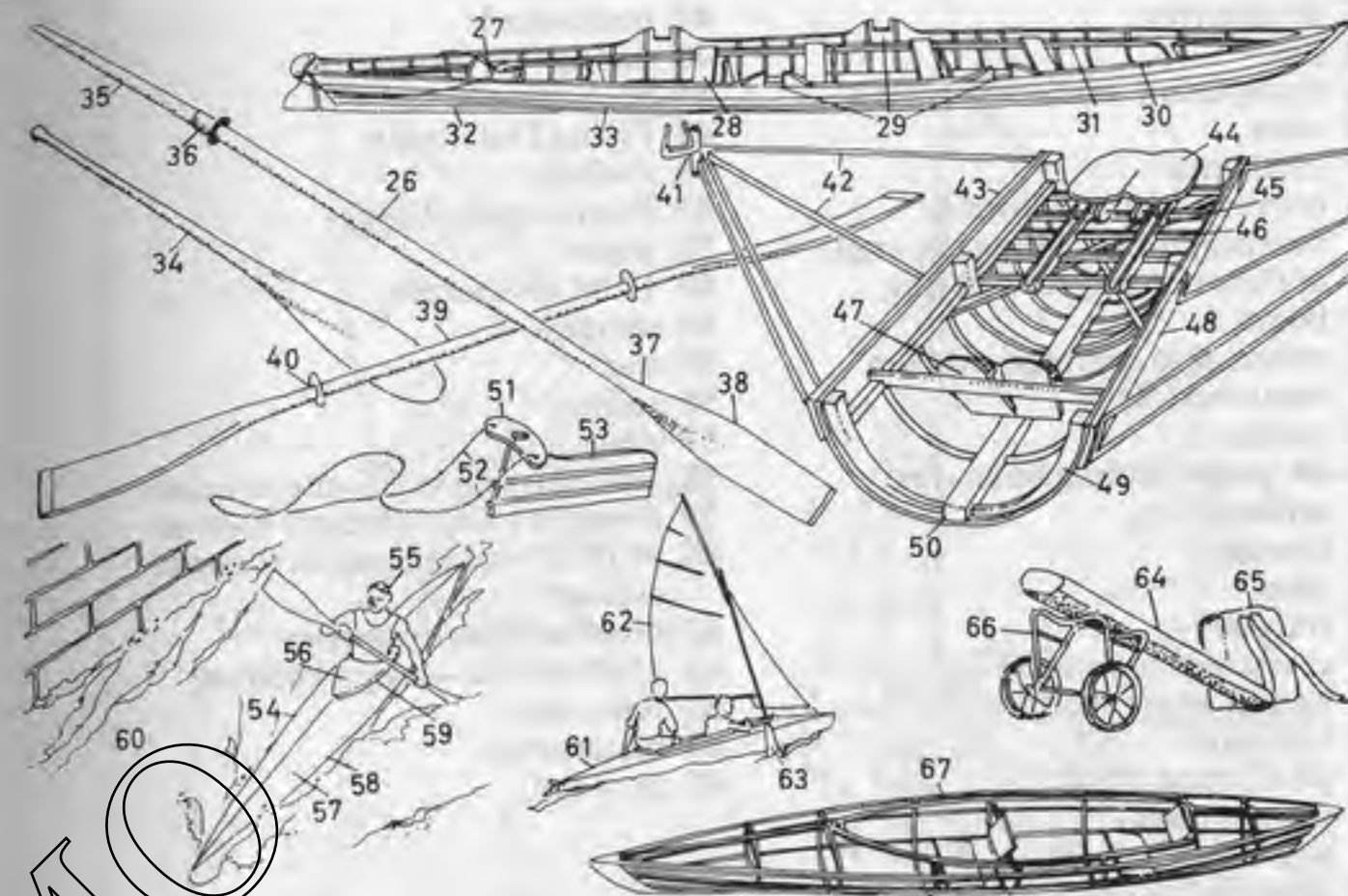
- 37 crawl stroke (crawl); *sim.*: trudgen stroke (trudgen, double overarm stroke)
- 38 underwater swimming
- 39 treading water
- 40-45 diving (acrobatic diving, fancy diving, competitive diving, highboard diving)
- 40 standing take-off pike dive
- 41 one-half twist isander (reverse dive)
- 42 backward somersault (double backward somersault)
- 43 running take-off twist dive
- 44 screw dive
- 45 armstand dive (handstand dive)
- 46-50 water polo
- 46 goal
- 47 goalkeeper
- 48 water polo ball
- 49 back
- 50 forward





- 1-18 taking up positions for the regatta
 1 punt, a pleasure boat
 2 motorboat
 3 Canadian canoe
 4 kayak (Alaskan canoe, slalom canoe), a canoe
 5 tandem kayak
 6 outboard motorboat (outboard speedboat, outboard)
 7 outboard motor (outboard)
 8 cockpit
 9-16 racing boats (sportsboats)
 9-15 shells (rowing boats, *Am.* rowboats)
 9 coxless four, a carvel-built boat
 10 eight (eight-oared racing shell)
 11 cox
 12 stroke, an oarsman
 13 bow ('number one')
 14 oar
 15 coxless pair
 16 single sculler (single skuller, racing sculler, racing skuller, skiff)

- 17 scull (skull)
 18 coxed single, a clinker-built single
 19 jetty (landing stage, mooring)
 20 rowing coach
 21 megaphone
 22 quayside steps
 23 clubhouse (club)
 24 boathouse
 25 club's flag
 26-33 four-oared gig, a touring boat
 26 oar
 27 cox's seat
 28 thwart (seat)
 29 rowlock (oarlock)
 30 gunwale (gunnel)
 31 rising
 32 keel
 33 skin (shell, outer skin) [clinker-built]
 34 single-bladed paddle (paddle)
 35-38 oar (scull, skull)
 35 grip
 36 leather sheath
 37 shaft (neck)

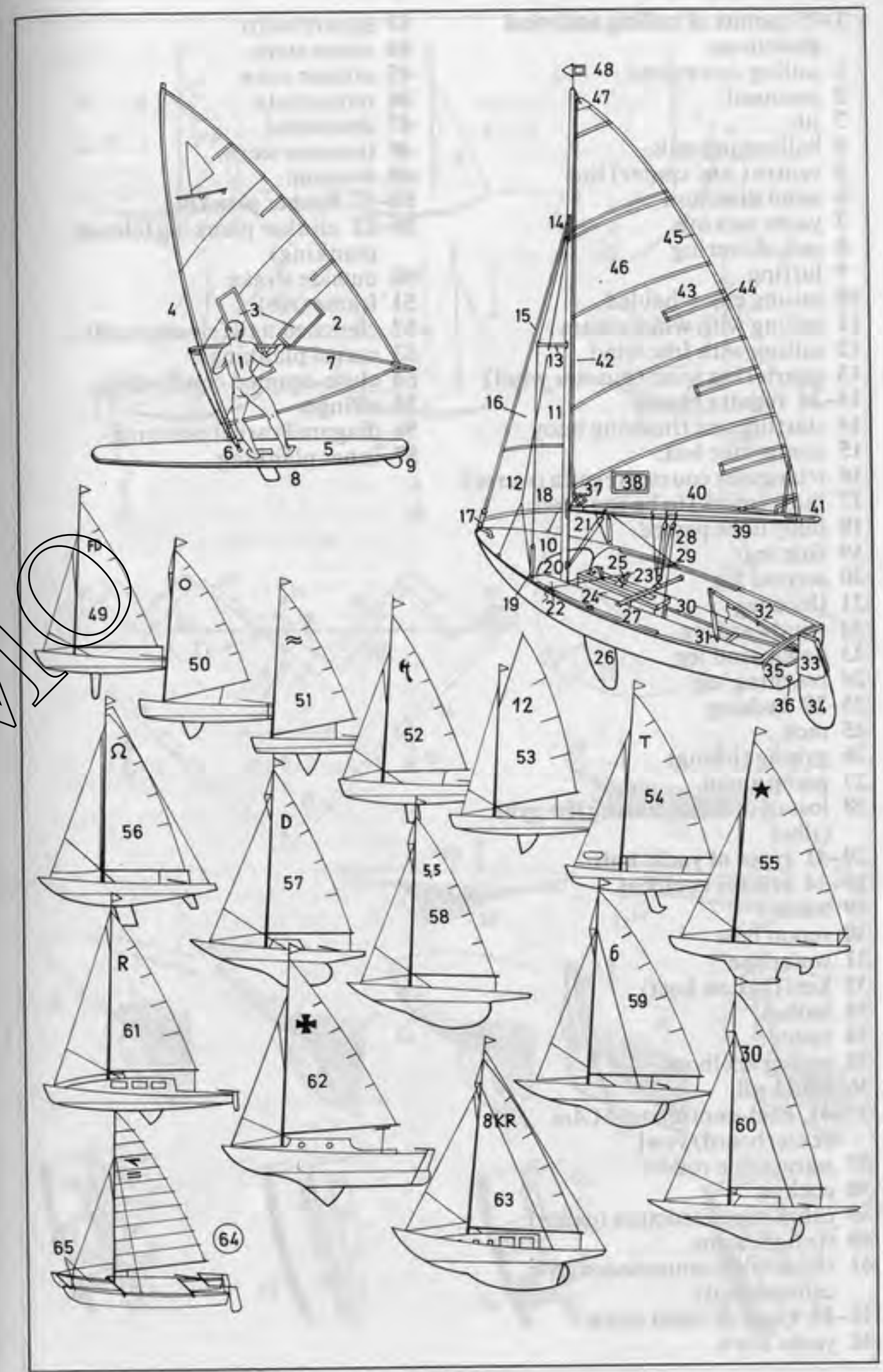


- 38 blade
 39 double-bladed paddle (double-ended paddle)
 40 drip ring
 41-50 sliding seat
 41 rowlock (oarlock)
 42 outrigger
 43 saxboard
 44 sliding seat
 45 runner
 46 strut
 47 stretcher
 48 skin (shell, outer skin)
 49 frame (rib)
 50 kelson (keelson)
 51-53 rudder (steering rudder)
 51 yoke
 52 lines (steering lines)
 53 blade (rudder blade, rudder)
 54-66 folding boats (foldboats, canoes)
 54 one-man kayak
 55 canoeist
 56 spraydeck
 57 deck

- 58 rubber-covered canvas hull
 59 cockpit coaming (coaming)
 60 channel for rafts alongside weir
 61 two-seater folding kayak, a touring kayak
 62 sail of folding kayak
 63 leeboard
 64 bag for the rods
 65 rucksack
 66 boat trailer (boat carriage)
 67 frame of folding kayak
 68-70 kayaks
 68 Eskimo kayak
 69 wild-water racing kayak
 70 touring kayak

- 1-9 windsurfing
- 1 windsurfer
- 2 sail
- 3 transparent window (window)
- 4 mast
- 5 surfboard
- 6 universal joint (movable bearing) for adjusting the angle of the mast and for steering
- 7 boom
- 8 retractable centreboard (*Am.* centerboard)
- 9 rudder
- 10-48 yacht (sailing boat, *Am.* sailboat)
- 10 foredeck
- 11 mast
- 12 trapeze
- 13 crosstrees (spreader)
- 14 hound
- 15 forestay
- 16 jib (Genoa jib)
- 17 jib downhaul
- 18 side stay (shroud)
- 19 lanyard (bottlescrew)
- 20 foot of the mast
- 21 kicking strap (vang)
- 22 jam cleat
- 23 foresheet (jib sheet)
- 24 centreboard (*Am.* centerboard) case
- 25 bitt
- 26 centreboard (*Am.* centerboard)
- 27 traveller (*Am.* traveler)
- 28 mainsheet
- 29 fairlead
- 30 toestraps (hiking straps)
- 31 tiller extension (hiking stick)
- 32 tiller
- 33 rudderhead (rudder stock)
- 34 rudder blade (rudder)
- 35 transom
- 36 drain plug
- 37 gooseneck
- 38 window
- 39 boom
- 40 foot
- 41 clew
- 42 luff (leading edge)
- 43 leech pocket (batten cleat, batten pocket)
- 44 batten
- 45 leech (trailing edge)

- 46 mainsail
- 47 headboard
- 48 racing flag (burgee)
- 49-65 yacht classes
- 49 Flying Dutchman
- 50 O-Joller
- 51 Finn dinghy (Finn)
- 52 pirate
- 53 12.00 m² sharpie
- 54 tempest
- 55 star
- 56 soling
- 57 dragon
- 58 5.5-metre (*Am.* 5.5-meter) class
- 59 6-metre (*Am.* 6-meter) R-class
- 60 30.00 m² cruising yacht (coastal cruiser)
- 61 30.00 m² dinghy cruiser
- 62 25.00 m² one-design keelboat
- 63 KR-class
- 64 catamaran
- 65 twin hull



1-13 points of sailing and wind directions

- 1 sailing downwind
- 2 mainsail
- 3 jib
- 4 ballooning sails
- 5 centre (*Am.* center) line
- 6 wind direction
- 7 yacht tacking
- 8 sail, shivering
- 9 luffing
- 10 sailing close-hauled
- 11 sailing with wind abeam
- 12 sailing with free wind
- 13 quartering wind (quarter wind)
- 14-24 regatta course**
- 14 starting and finishing buoy
- 15 committee boat
- 16 triangular course (regatta course)
- 17 buoy (mark) to be rounded
- 18 buoy to be passed
- 19 first leg
- 20 second leg
- 21 third leg
- 22 windward leg
- 23 downwind leg
- 24 reaching leg
- 25-28 tacking**
- 25 tack
- 26 gybing (jibing)
- 27 going about
- 28 loss of distance during the gybe (jibe)

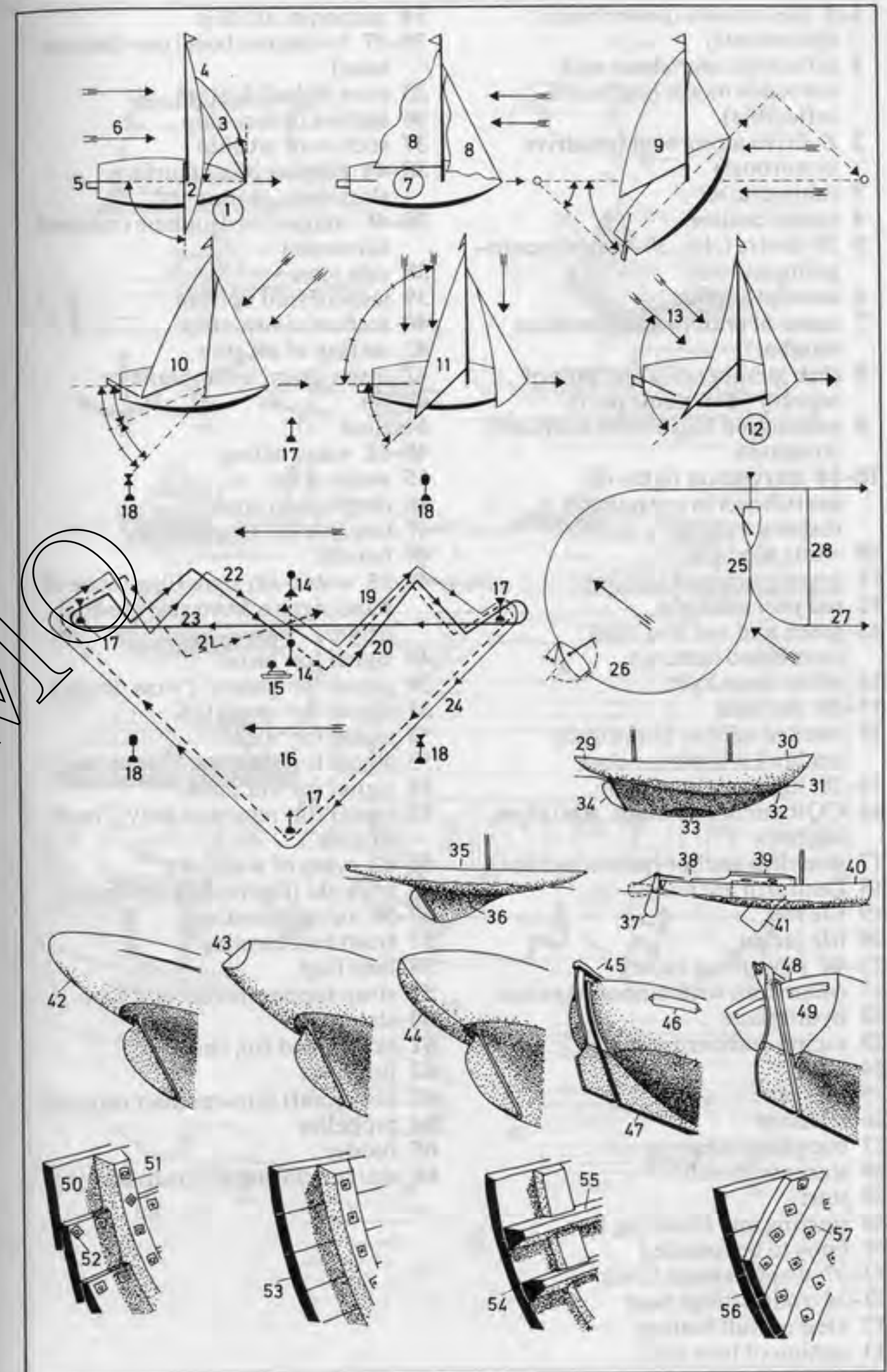
29-41 types of yacht hull

- 29-34 cruiser keelboat**
- 29 stern
- 30 spoon bow
- 31 waterline
- 32 keel (ballast keel)
- 33 ballast
- 34 rudder
- 35 racing keelboat
- 36 lead keel
- 37-41 keel-centreboard (*Am.* centerboard) yawl**
- 37 retractable rudder
- 38 cockpit
- 39 cabin superstructure (cabin)
- 40 straight stem
- 41 retractable centreboard (*Am.* centerboard)

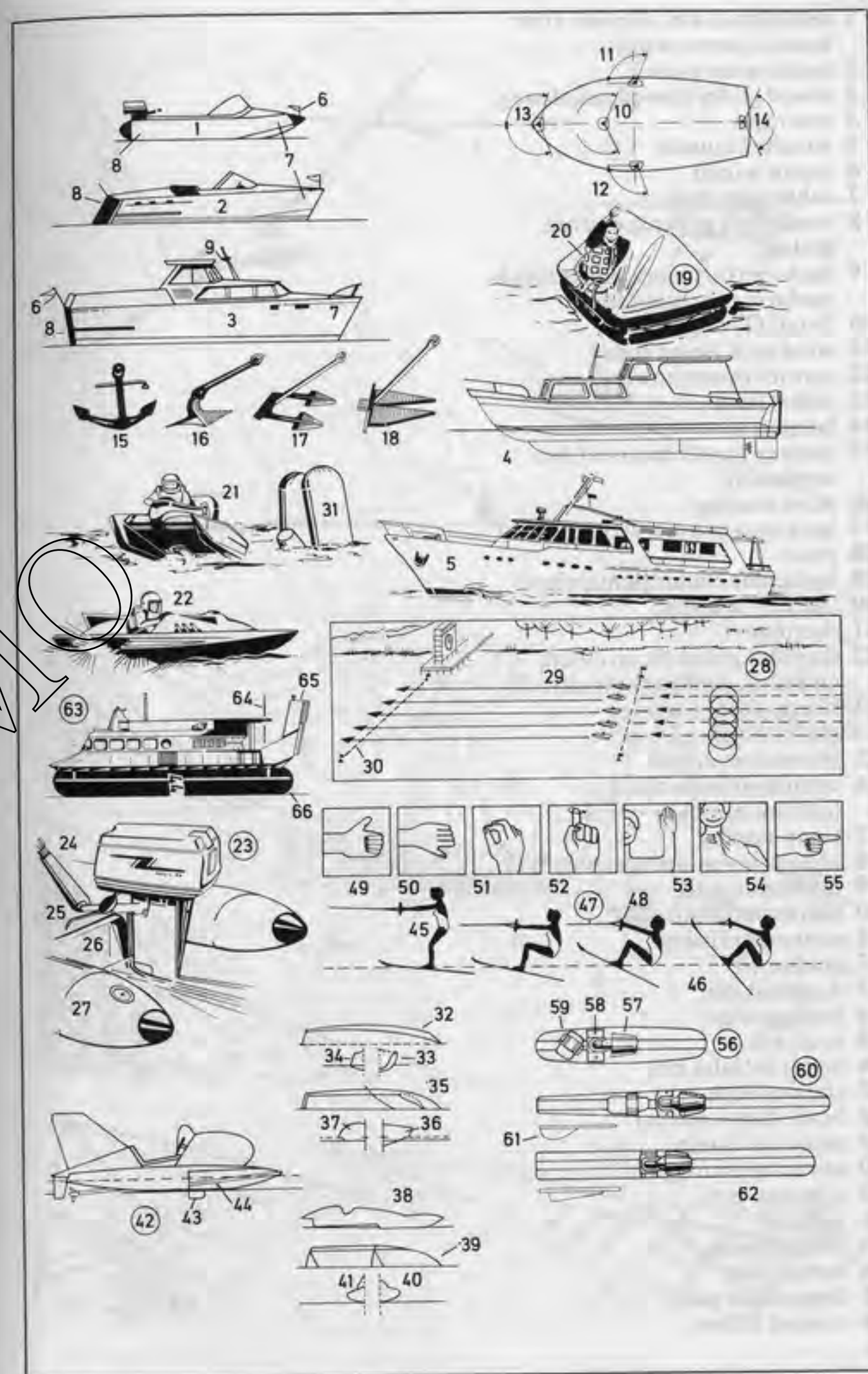
42-49 types of yacht stern

- 42 yacht stern

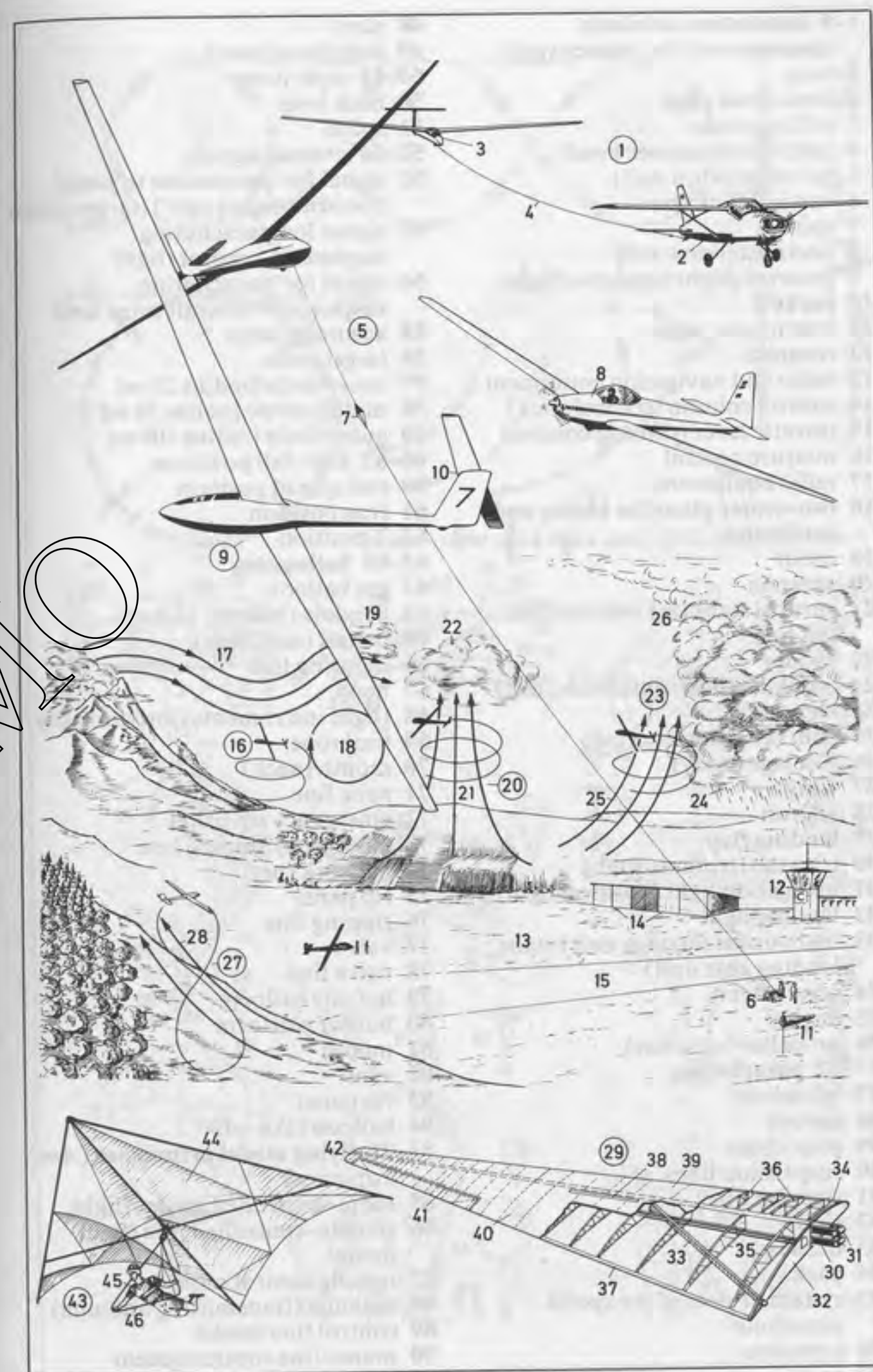
- 43 square stern
- 44 canoe stern
- 45 cruiser stern
- 46 name plate
- 47 deadwood
- 48 transom stern
- 49 transom
- 50-57 timber planking**
- 50-52 clinker planking (clench planking)**
- 50 outside strake
- 51 frame (rib)
- 52 clenched nail (riveted nail)
- 53 carvel planking
- 54 close-seamed construction
- 55 stringer
- 56 diagonal carvel planking
- 57 inner planking



- 1-5 motorboats (powerboats, sportsboats)
 1 inflatable sportsboat with outboard motor (outboard inflatable)
 2 Z-drive motorboat (outdrive motorboat)
 3 cabin cruiser
 4 motor cruiser
 5 30-metre (*Am.* 30-meter) ocean-going cruiser
 6 association flag
 7 name of craft (*or:* registration number)
 8 club membership and port of registry (*Am.* home port)
 9 association flag on the starboard crossrees
 10-14 navigation lights of sportsboats in coastal and inshore waters
 10 white top light
 11 green starboard sidelight
 12 red port sidelight
 13 green and red bow light (combined lantern)
 14 white stern light
 15-18 anchors
 15 stocked anchor (Admiralty anchor), a bower anchor
 16-18 lightweight anchor
 16 CQR anchor (plough, *Am.* plow, anchor)
 17 stockless anchor (patent anchor)
 18 Danforth anchor
 19 life raft
 20 life jacket
 21-44 powerboat racing
 21 catamaran with outboard motor
 22 hydroplane
 23 racing outboard motor
 24 tiller
 25 fuel pipe
 26 transom
 27 buoyancy tube
 28 start and finish
 29 start
 30 starting and finishing line
 31 buoy to be rounded
 32-37 displacement boats
 32-34 round-bilge boat
 32 view of hull bottom
 33 section of fore ship
 34 section of aft ship
 35-37 V-bottom boat (vee-bottom boat)
 35 view of hull bottom
 36 section of fore ship
 37 section of aft ship
 38-44 planing boats (surface skimmers, skimmers)
 38-41 stepped hydroplane (stepped skimmer)
 38 side view
 39 view of hull bottom
 40 section of fore ship
 41 section of aft ship
 42 three-point hydroplane
 43 fin
 44 float
 45-62 water skiing
 45 water skier
 46 deep-water start
 47 tow line (towing line)
 48 handle
 49-55 water-ski signalling (code of hand signals from skier to boat driver)
 49 signal for 'faster'
 50 signal for 'slower' ('slow down')
 51 signal for 'speed OK'
 52 signal for 'turn'
 53 signal for 'stop'
 54 signal for 'cut motor'
 55 signal for 'return to jetty' ('back to dock')
 56-62 types of water ski
 56 trick ski (figure ski), a monoski
 57-58 rubber binding
 57 front foot binding
 58 heel flap
 59 strap support for second foot
 60 slalom ski
 61 skeg (fixed fin, fin)
 62 jump ski
 63 hovercraft (air-cushion vehicle)
 64 propeller
 65 rudder
 66 skirt enclosing air cushion

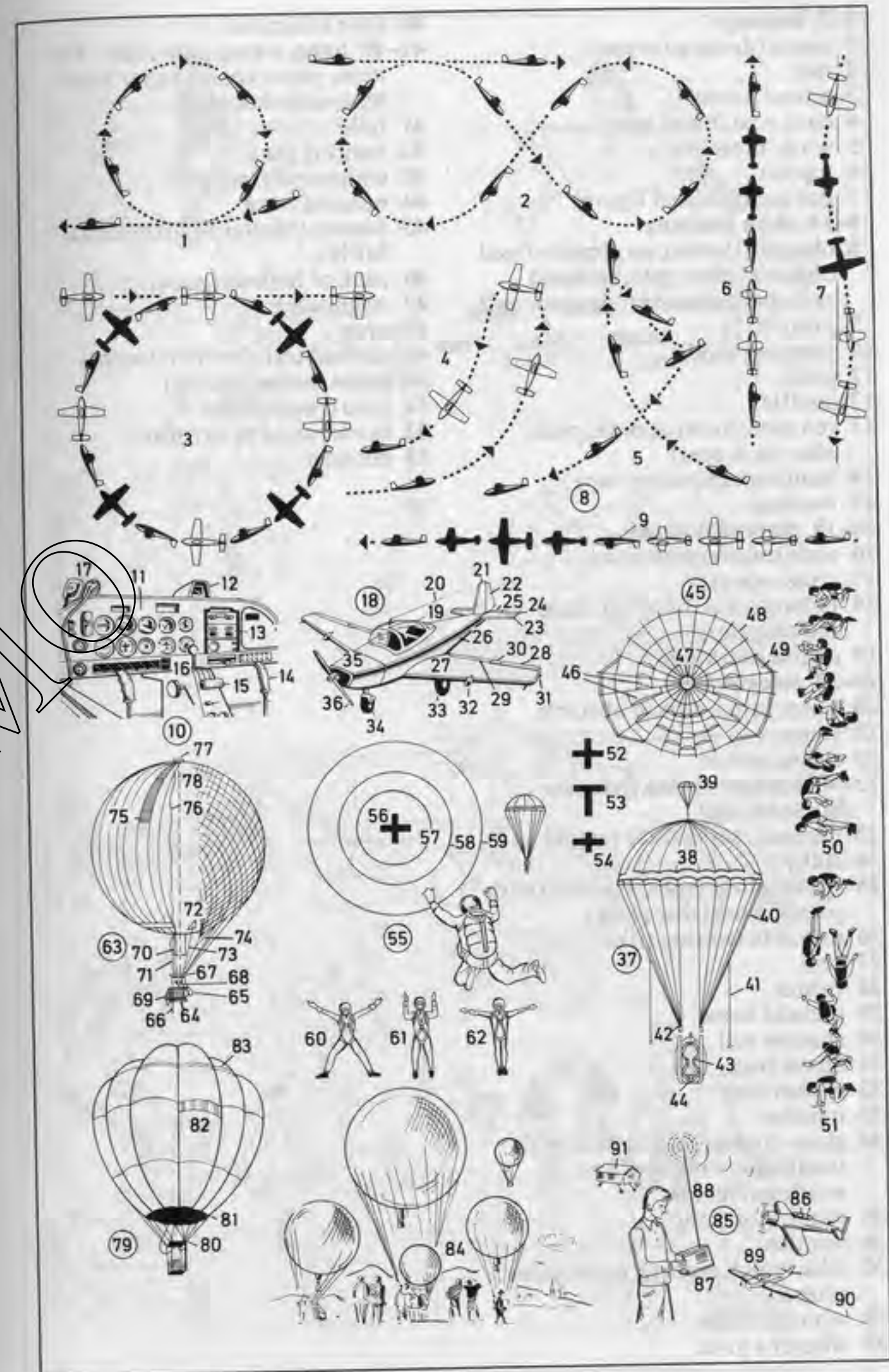


- 1 aeroplane (*Am.* airplane) tow launch (aerotowing)
- 2 tug (towing plane)
- 3 towed glider (towed sailplane)
- 4 tow rope
- 5 winched launch
- 6 motor winch
- 7 cable parachute
- 8 motorized glider (powered glider)
- 9 high-performance glider (high-performance sailplane)
- 10 T-tail (T-tail unit)
- 11 wind sock (wind cone)
- 12 control tower (tower)
- 13 glider field
- 14 hangar
- 15 runway for aeroplanes (*Am.* airplanes)
- 16 wave soaring
- 17 lee waves (waves, wave system)
- 18 rotor
- 19 lenticular clouds (lenticulars)
- 20 thermal soaring
- 21 thermal
- 22 cumulus cloud (heap cloud, cumulus, woolpack cloud)
- 23 storm-front soaring
- 24 storm front
- 25 frontal upcurrent
- 26 cumulonimbus cloud (cumulonimbus)
- 27 slope soaring
- 28 hill upcurrent (orographic lift)
- 29 multispar wing
- 30 main spar, a box spar
- 31 connector fitting
- 32 anchor rib
- 33 diagonal spar
- 34 leading edge
- 35 main rib
- 36 nose rib (false rib)
- 37 trailing edge
- 38 brake flap (spoiler)
- 39 torsional clamp
- 40 covering (skin)
- 41 aileron
- 42 wing tip
- 43 hang gliding
- 44 hang glider
- 45 hang glider pilot
- 46 control frame



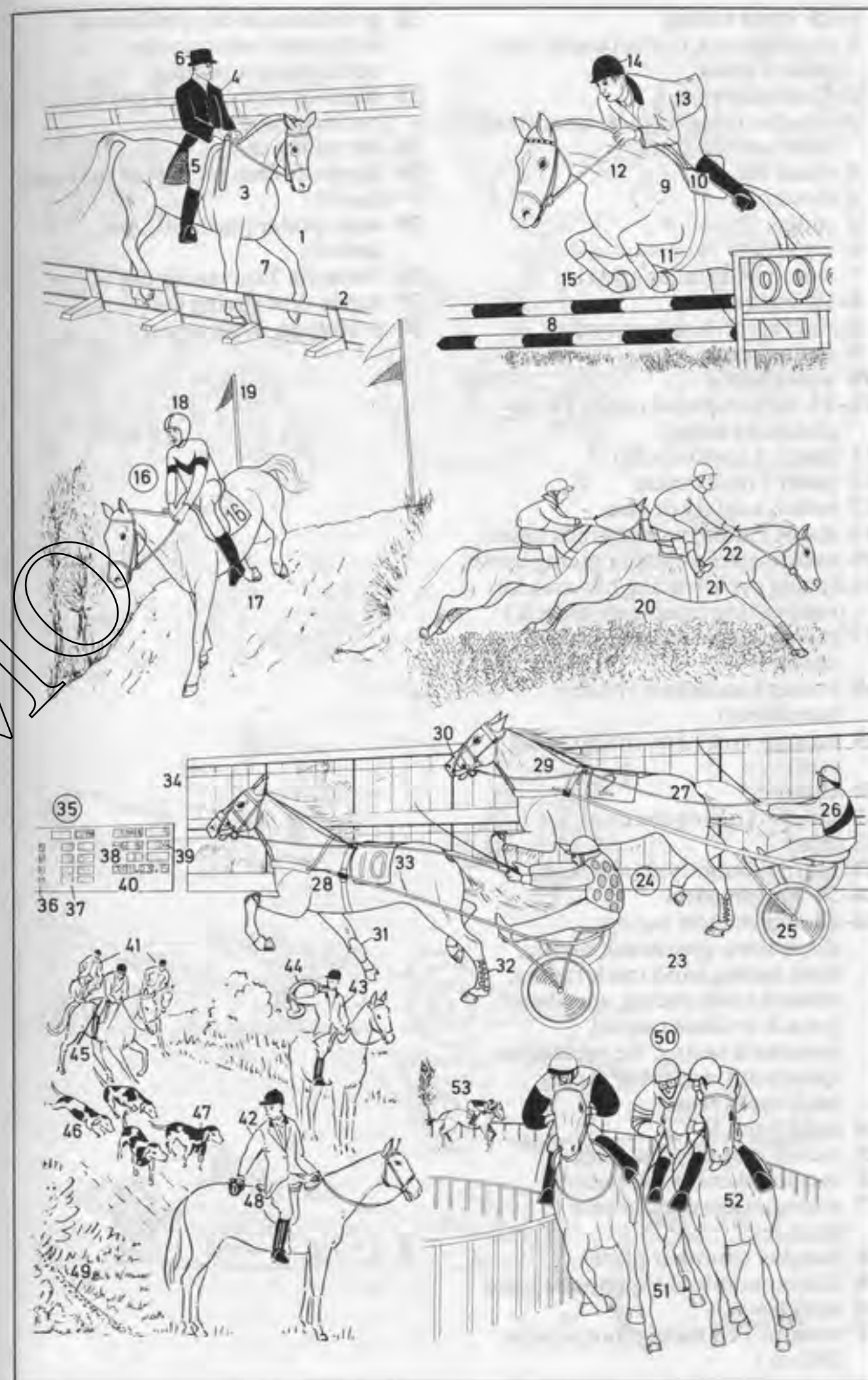
- 1-9 aerobatics, aerobic manoeuvres (*Am.* maneuvers)
- 1 loop
- 2 horizontal eight
- 3 rolling circle
- 4 stall turn (hammer head)
- 5 tail slide (whip stall)
- 6 vertical flick spin
- 7 spin
- 8 horizontal slow roll
- 9 inverted flight (negative flight)
- 10 cockpit
- 11 instrument panel
- 12 compass
- 13 radio and navigation equipment
- 14 control column (control stick)
- 15 throttle lever (throttle control)
- 16 mixture control
- 17 radio equipment
- 18 two-seater plane for racing and aerobatics
- 19 cabin
- 20 antenna
- 21 vertical stabilizer (vertical fin, tail fin)
- 22 rudder
- 23 tailplane (horizontal stabilizer)
- 24 elevator
- 25 trim tab (trimming tab)
- 26 fuselage (body)
- 27 wing
- 28 aileron
- 29 landing flap
- 30 trim tab (trimming tab)
- 31 navigation light (position light) [red]
- 32 landing light
- 33 main undercarriage unit (main landing gear unit)
- 34 nose wheel
- 35 engine
- 36 propeller (airscrew)
- 37-62 parachuting
- 37 parachute
- 38 canopy
- 39 pilot chute
- 40 suspension lines
- 41 steering line
- 42 riser
- 43 harness
- 44 pack
- 45 system of slots of the sports parachute
- 46 turn slots
- 47 apex

- 48 skirt
- 49 stabilizing panel
- 50-51 style jump
- 50 back loop
- 51 spiral
- 52-54 ground signals
- 52 signal for 'permission to jump' ('conditions are safe') (target cross)
- 53 signal for 'parachuting suspended - repeat flight'
- 54 signal for 'parachuting suspended - aircraft must land'
- 55 accuracy jump
- 56 target cross
- 57 inner circle [radius 25 m]
- 58 middle circle [radius 50 m]
- 59 outer circle [radius 100 m]
- 60-62 free-fall positions
- 60 full spread position
- 61 frog position
- 62 T position
- 63-84 ballooning
- 63 gas balloon
- 64 gondola (balloon basket)
- 65 ballast (sandbags)
- 66 mooring line
- 67 hoop
- 68 flight instruments (instruments)
- 69 trail rope
- 70 mouth (neck)
- 71 neck line
- 72 emergency rip panel
- 73 emergency ripping line
- 74 network (net)
- 75 rip panel
- 76 ripping line
- 77 valve
- 78 valve line
- 79 hot-air balloon
- 80 burner platform
- 81 mouth
- 82 vent
- 83 rip panel
- 84 balloon take-off
- 85-91 flying model aeroplanes (*Am.* airplanes)
- 85 radio-controlled model flight
- 86 remote-controlled free flight model
- 87 remote control radio
- 88 antenna (transmitting antenna)
- 89 control line model
- 90 mono-line control system
- 91 flying kennel, a K9-class model



- 1-7 dressage
- 1 arena (dressage arena)
- 2 rail
- 3 school horse
- 4 dark coat (black coat)
- 5 white breeches
- 6 top hat
- 7 gait (also: school figure)
- 8-14 show jumping
- 8 obstacle (fence), an almost-fixed obstacle; *sim.*: gate, gate and rails, palisade, oxer, mound, wall
- 9 jumper
- 10 jumping saddle
- 11 girth
- 12 snaffle
- 13 red coat (hunting pink, pink; also: dark coat)
- 14 hunting cap (riding cap)
- 15 bandage
- 16-19 three-day event
- 16 endurance competition
- 17 cross-country
- 18 helmet (also: hard hat, hard hunting cap)
- 19 course markings
- 20-22 steeplechase
- 20 water jump, a fixed obstacle
- 21 jump
- 22 riding switch
- 23-40 harness racing (harness horse racing)
- 23 harness racing track (track)
- 24 sulky
- 25 spoke wheel (spoked wheel) with plastic wheel disc (disk)
- 26 driver in trotting silks
- 27 rein
- 28 trotter
- 29 piebald horse
- 30 shadow roll
- 31 elbow boot
- 32 rubber boot
- 33 number
- 34 glass-covered grandstand with totalizator windows (tote windows) inside
- 35 totalizator (tote)
- 36 number
- 37 odds (price, starting price, price offered)
- 38 winners' table
- 39 winner's price

- 40 time indicator
- 41-49 hunt, a drag hunt; *sim.*: fox hunt, paper chase (paper hunt, hare-and-hounds)
- 41 field
- 42 hunting pink
- 43 whipper-in (whip)
- 44 hunting horn
- 45 Master (Master of foxhounds, MFH)
- 46 pack of hounds (pack)
- 47 staghound
- 48 drag
- 49 scented trail (artificial scent)
- 50 horse racing (racing)
- 51 field (racehorses)
- 52 favourite (*Am.* favorite)
- 53 outsider



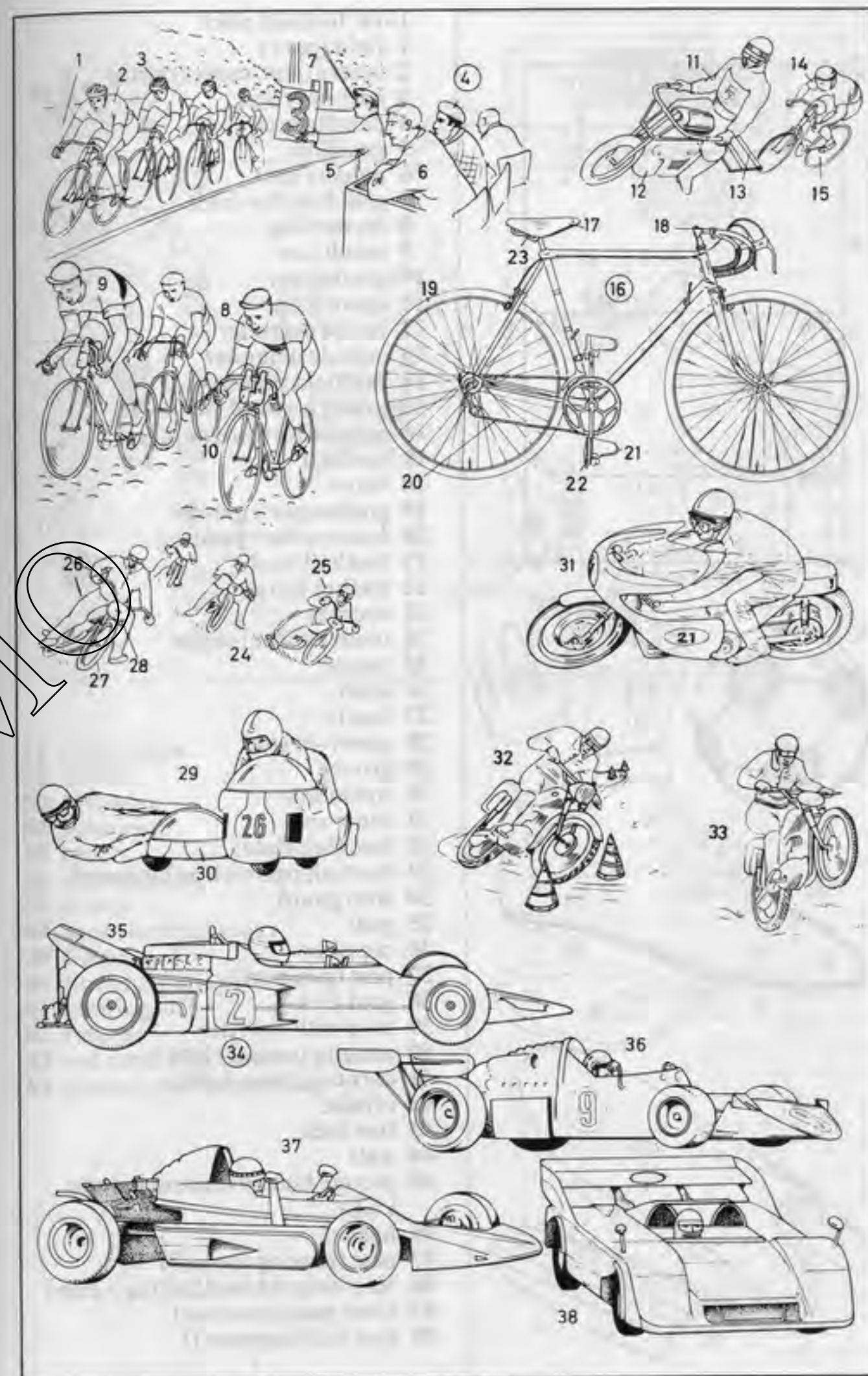
1-23 cycle racing

- 1 cycling track (cycle track); *here*: indoor track
 2-7 six-day race
 2 six-day racer, a track racer (track rider) on the track
 3 crash hat
 4 stewards
 5 judge
 6 lap scorer
 7 rider's box (racer's box)
 8-10 road race
 8 road racer, a racing cyclist
 9 racing jersey
 10 water bottle
 11-15 motor-paced racing (long-distance racing)
 11 pacer, a motorcyclist
 12 pacer's motorcycle
 13 roller, a safety device
 14 stayer (motor-paced track rider)
 15 motor-paced cycle, a racing cycle
 16 racing cycle (racing bicycle) for road racing (road race bicycle)
 17 racing saddle, an unsprung saddle
 18 racing handlebars (racing handlebar)
 19 tubular tyre (*Am.* tyre) (racing tyre)
 20 chain
 21 toe clip (racing toe clip)
 22 strap
 23 spare tubular tyre (*Am.* tyre)

24-38 motorsports

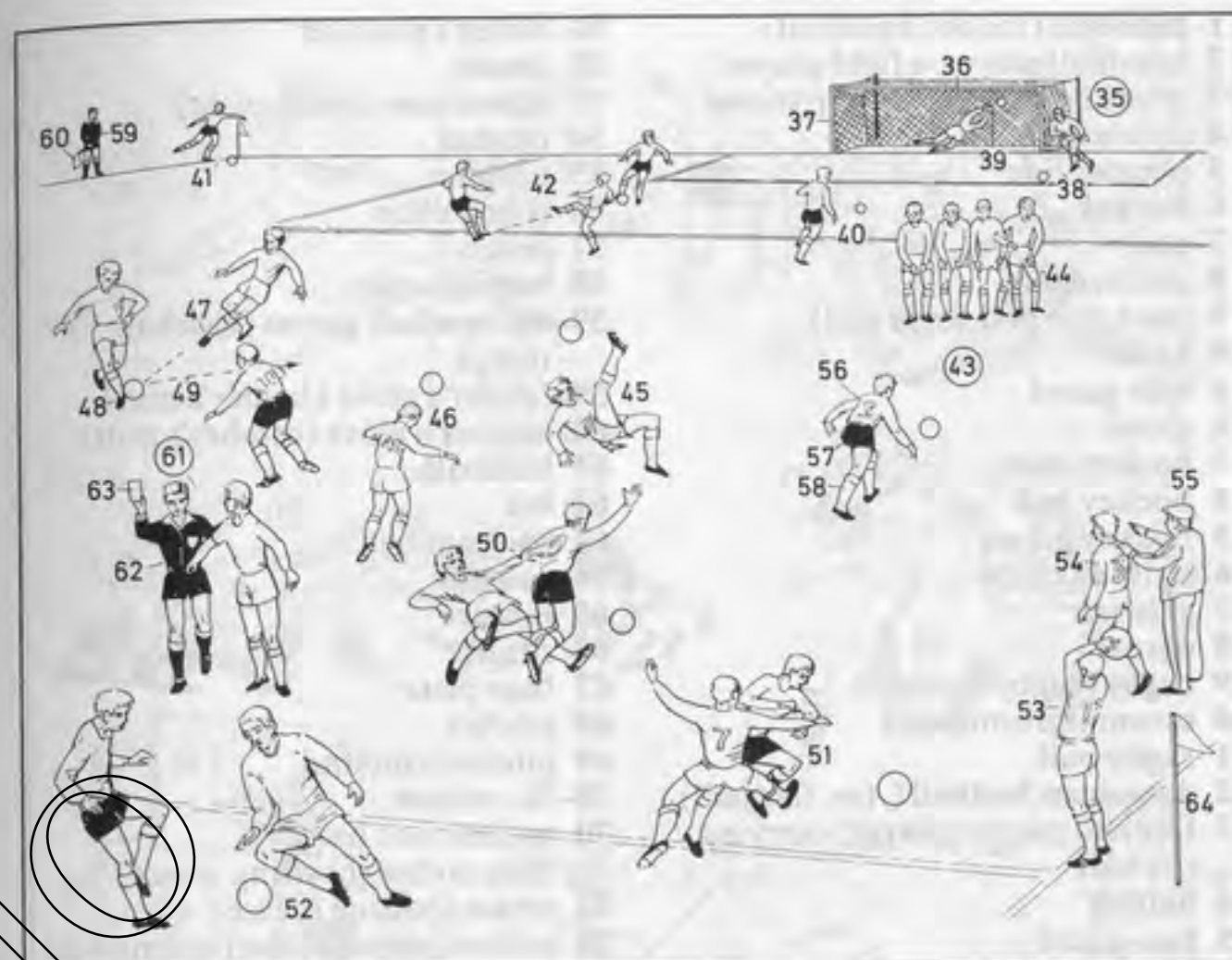
- 24-28 motorcycle racing;
disciplines: grasstrack racing, road racing, sand track racing, cement track racing, speedway [on ash or shale tracks], mountain racing, ice racing (ice speedway), scramble racing, trial, moto cross
 24 sand track
 25 racing motorcyclist (rider)
 26 leather overalls (leathers)
 27 racing motorcycle, a solo machine
 28 number (number plate)
 29 sidecar combination on the bend
 30 sidecar
 31 streamlined racing motorcycle [500 cc.]

- 32 gymkhana, a competition of skill; *here*: motorcyclist performing a jump
 33 cross-country race, a test in performance
 34-38 racing cars
 34 Formula One racing car (a mono posto)
 35 rear spoiler (aerofoil, *Am.* airfoil)
 36 Formula Two racing car
 37 Super-Vee racing car
 38 prototype, a racing car





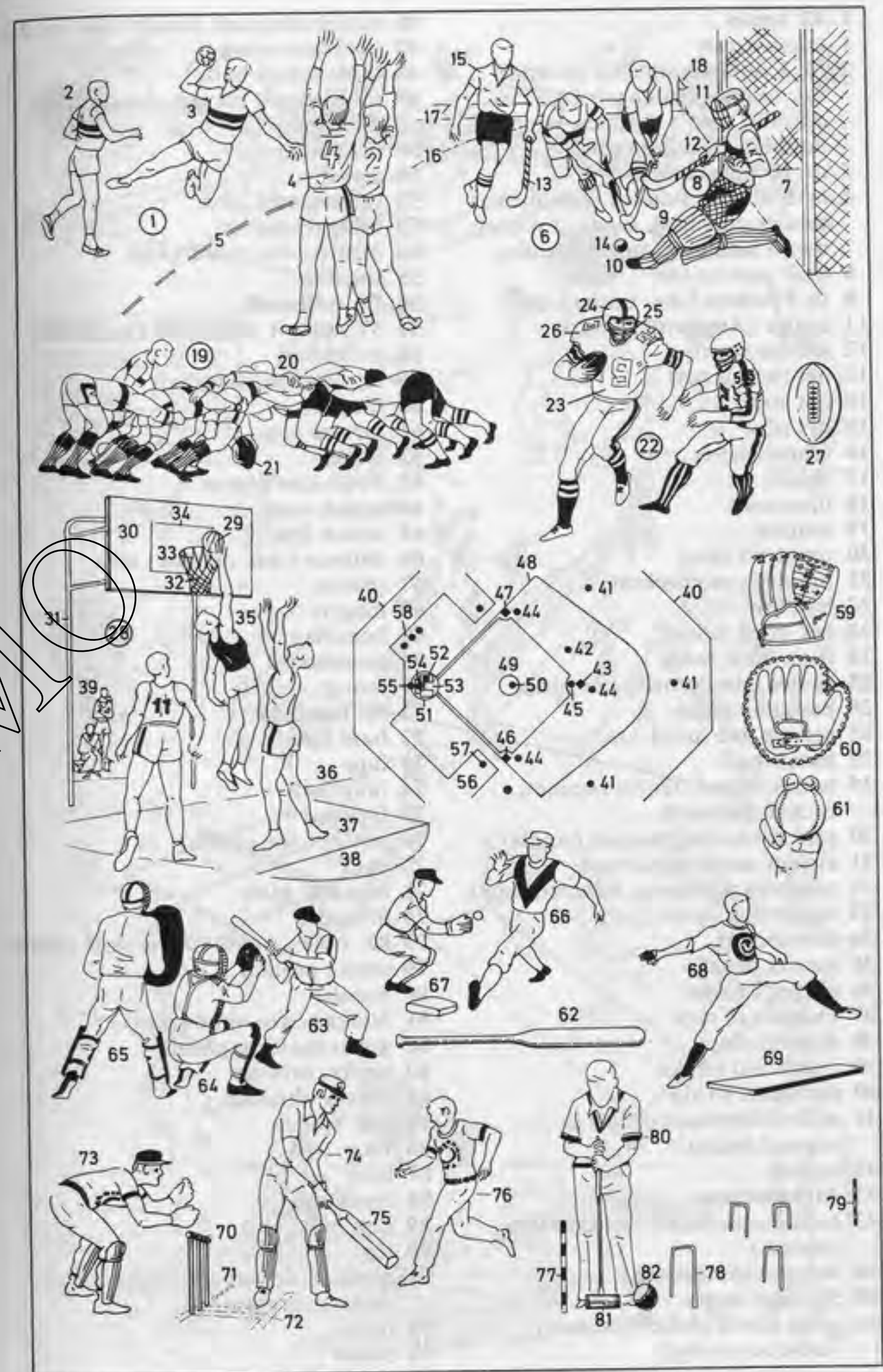
- 1-16 football pitch
- 1 field (park)
- 2 centre (*Am.* center) circle
- 3 half-way line
- 4 penalty area
- 5 goal area
- 6 penalty spot
- 7 goal line (by-line)
- 8 corner flag
- 9 touch line
- 10 goalkeeper
- 11 spare man
- 12 inside defender
- 13 outside defender
- 14 midfield players
- 15 inside forward (striker)
- 16 outside forward (winger)
- 17 football
- 18 valve
- 19 goalkeeper's gloves
- 20 foam rubber padding
- 21 football boot
- 22 leather lining
- 23 counter
- 24 foam rubber tongue
- 25 bands
- 26 shaft
- 27 insole
- 28 screw-in stud
- 29 groove
- 30 nylon sole
- 31 inner sole
- 32 lace (bootlace)
- 33 football pad with ankle guard
- 34 shin guard
- 35 goal
- 36 crossbar
- 37 post (goalpost)
- 38 goal kick
- 39 save with the fists
- 40 penalty (penalty kick)
- 41 corner (corner kick)
- 42 offside
- 43 free kick
- 44 wall
- 45 bicycle kick (overhead bicycle kick)
- 46 header
- 47 pass (passing the ball)
- 48 receiving the ball (taking a pass)
- 49 short pass (one-two)
- 50 foul (infringement)



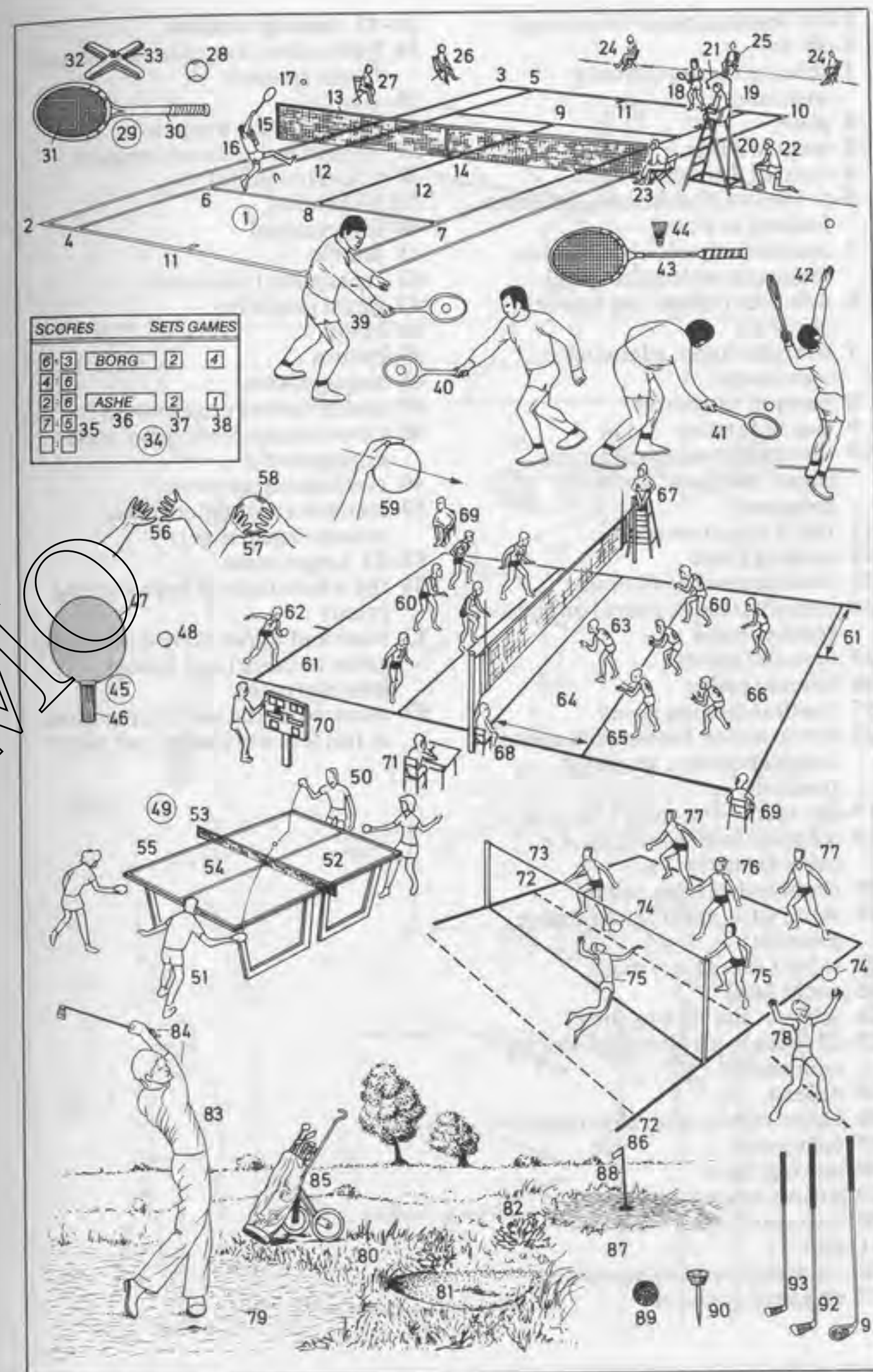
- 51 obstruction
- 52 dribble
- 53 throw-in
- 54 substitute
- 55 coach
- 56 shirt (jersey)
- 57 shorts
- 58 sock (football sock)
- 59 linesman
- 60 linesman's flag
- 61 sending-off
- 62 referee
- 63 red card; also: yellow card
- 64 centre (*Am.* center) flag

- 1 handball (indoor handball)
- 2 handball player, a field player
- 3 attacker, making a jump throw
- 4 defender
- 5 penalty line
- 6 hockey
- 7 goal
- 8 goalkeeper
- 9 pad (shin pad, knee pad)
- 10 kicker
- 11 face guard
- 12 glove
- 13 hockey stick
- 14 hockey ball
- 15 hockey player
- 16 striking circle
- 17 sideline
- 18 corner
- 19 rugby (rugby football)
- 20 scrum (scrummage)
- 21 rugby ball
- 22 American football (Am. football)
- 23 football player (player) carrying the ball
- 24 helmet
- 25 face guard
- 26 padded jersey
- 27 ball (pigskin)
- 28 basketball
- 29 basketball
- 30 backboard
- 31 basket posts
- 32 basket
- 33 basket ring
- 34 target rectangle
- 35 basketball player shooting
- 36 end line
- 37 restricted area
- 38 free-throw line
- 39 substitute
- 40-69 baseball
- 40-58 field (park)
- 40 spectator barrier
- 41 outfielder
- 42 short stop
- 43 second base
- 44 baseman
- 45 runner
- 46 first base
- 47 third base
- 48 foul line (base line)
- 49 pitcher's mound
- 50 pitcher

- 51 batter's position
- 52 batter
- 53 home base (home plate)
- 54 catcher
- 55 umpire
- 56 coach's box
- 57 coach
- 58 batting order
- 59-60 baseball gloves (baseball mitts)
- 59 fielder's glove (fielder's mitt)
- 60 catcher's glove (catcher's mitt)
- 61 baseball
- 62 bat
- 63 batter at bat
- 64 catcher
- 65 umpire
- 66 runner
- 67 base plate
- 68 pitcher
- 69 pitcher's mound
- 70-76 cricket
- 70 wicket with bails
- 71 back crease (bowling crease)
- 72 crease (batting crease)
- 73 wicket keeper of the fielding side
- 74 batsman
- 75 bat (cricket bat)
- 76 fielder (bowler)
- 77-82 croquet
- 77 winning peg
- 78 hoop
- 79 corner peg
- 80 croquet player
- 81 croquet mallet
- 82 croquet ball

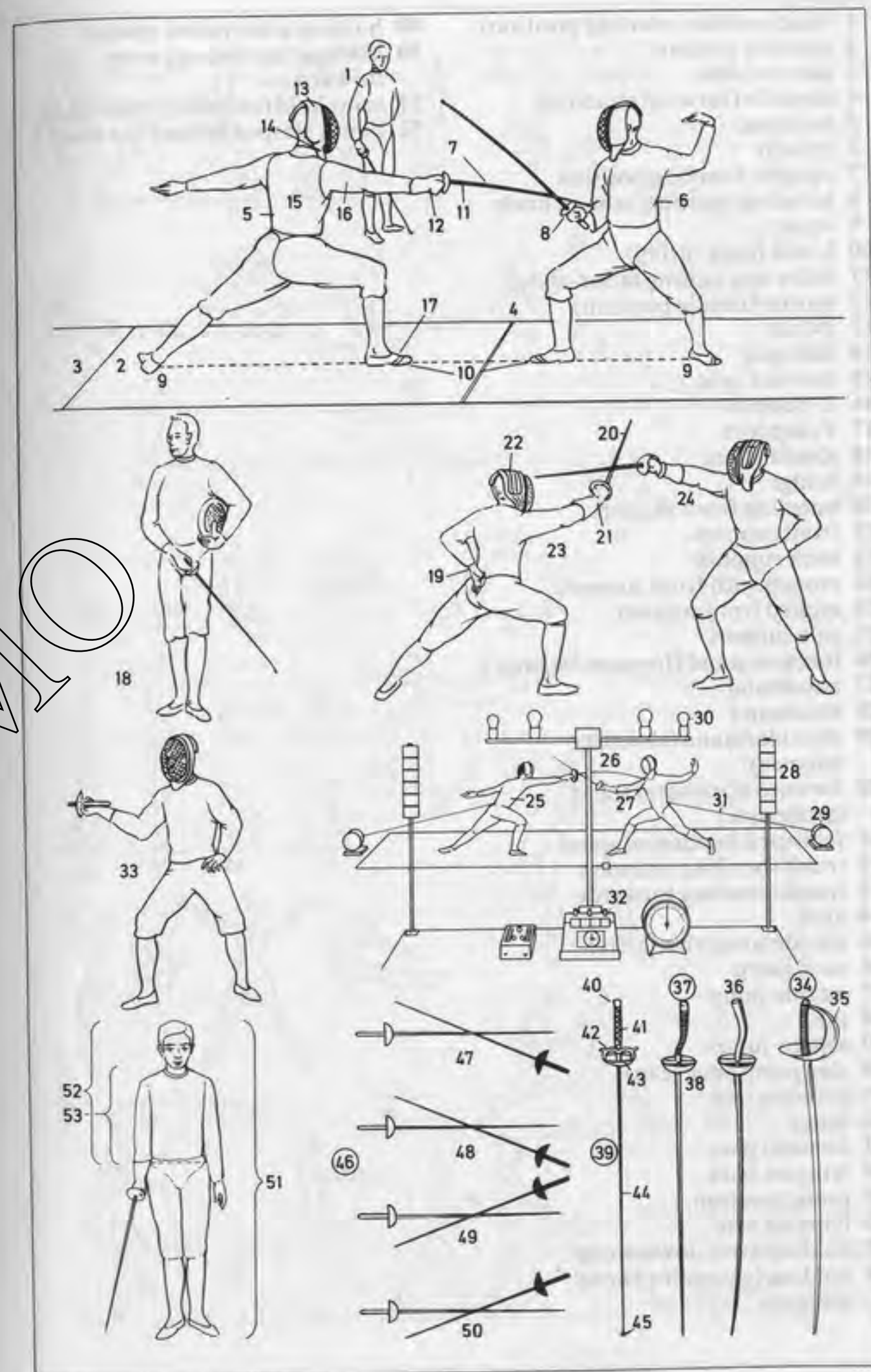


- 1-42 tennis
 1 tennis court
 2 to 3 doubles sideline (sideline for doubles matches); *kinds of doubles*: men's doubles, women's doubles, mixed doubles
 3 to 10 base line
 4 to 5 singles sideline (sideline for singles matches); *kinds of singles*: men's singles, women's singles
 6 to 7 service line
 8 to 9 centre (*Am.* center) line
 11 centre (*Am.* center) mark
 12 service court
 13 net (tennis net)
 14 net strap
 15 net post
 16 tennis player
 17 smash
 18 opponent
 19 umpire
 20 umpire's chair
 21 umpire's microphone
 22 ball boy
 23 net-cord judge
 24 foot-fault judge
 25 centre (*Am.* center) line judge
 26 base line judge
 27 service line judge
 28 tennis ball
 29 tennis racket (tennis racquet, racket, racquet)
 30 racket handle (racquet handle)
 31 strings (striking surface)
 32 press (racket press, racquet press)
 33 tightening screw
 34 scoreboard
 35 results of sets
 36 player's name
 37 number of sets
 38 state of play
 39 backhand stroke
 40 forehand stroke
 41 volley (forehand volley at normal height)
 42 service
- 46 racket (racquet) handle (bat handle)
 47 blade covering
 48 table tennis ball
 49 table tennis players; *here*: mixed doubles
 50 receiver
 51 server
 52 table tennis table
 53 table tennis net
 54 centre (*Am.* center) line
 55 sideline
- 56-71 volleyball
 56-57 correct placing of the hands
 58 volleyball
 59 serving the volleyball
 60 blocker
 61 service area
 62 server
 63 front-line player
 64 attack area
 65 attack line
 66 defence (*Am.* defense) area
 67 referee
 68 umpire
 69 linesman
 70 scoreboard
 71 scorer
- 72-78 faustball
 72 base line
 73 tape
 74 faust ball
 75 forward
 76 centre (*Am.* center)
 77 back
 78 hammer blow
- 79-93 golf
 79-82 hole, a part of the golf course
 79 teeing ground
 80 rough
 81 bunker (*Am.* sand trap)
 82 green (putting green)
 83 golfer, driving
 84 follow-through
 85 golf trolley
 86 flag
 87 hole
 88 flagstick
 89 golf ball
 90 tee
 91 wood, a driver; *sim.*: brassie (brassy, brasse)
 92 iron
 93 putter

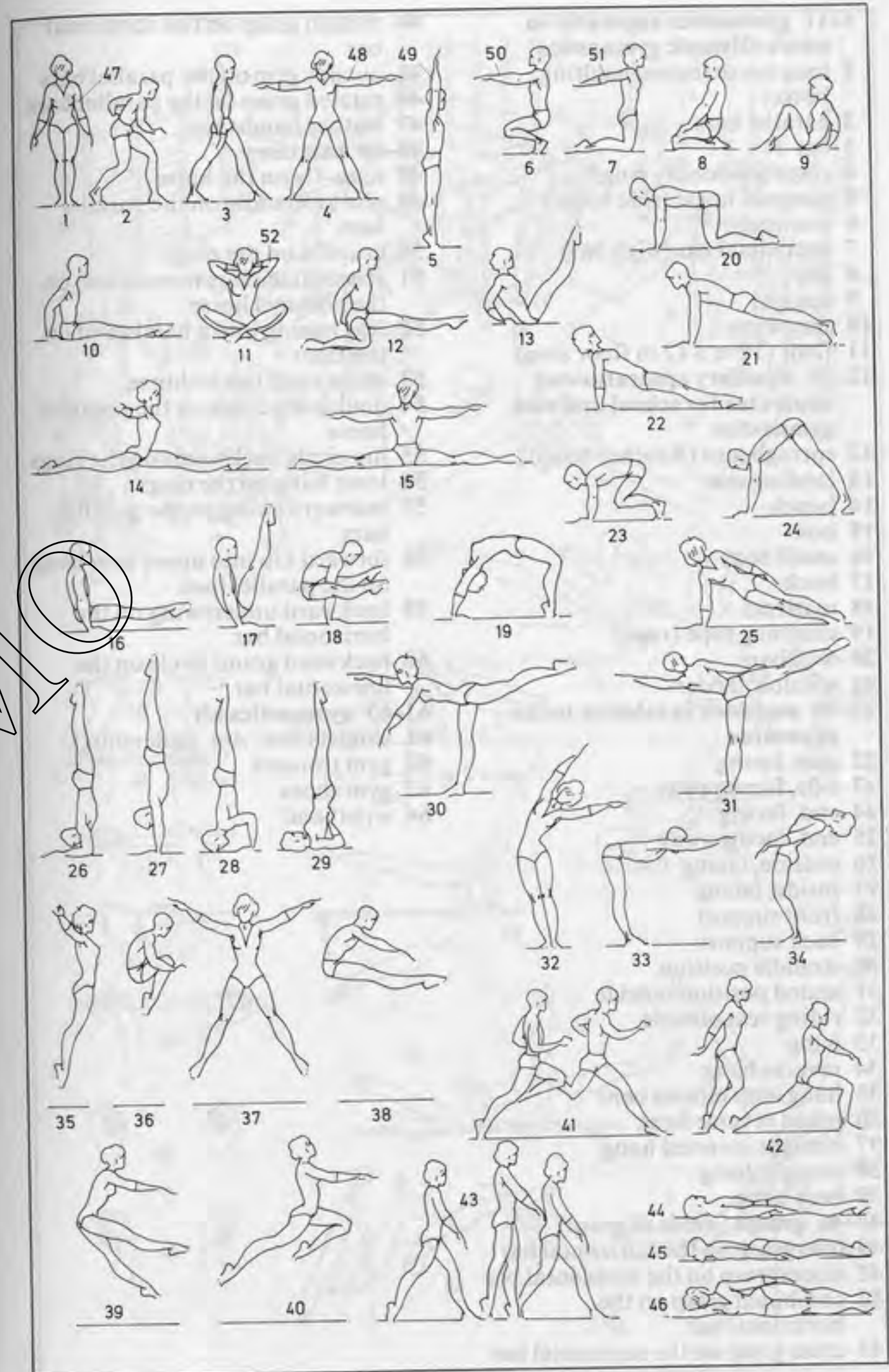


- 1-33 fencing (modern fencing)
 1-18 foil
 1 fencing master (fencing instructor)
 2 piste
 3 on guard line
 4 centre (*Am.* center) line
 5-6 fencers (foil fencers, foilsmen, foilists) in a bout
 5 attacker (attacking fencer) in lunging position (lunging)
 6 defender (defending fencer), parrying
 7 straight thrust, a fencing movement
 8 parry of the tierce
 9 line of fencing
 10 the three fencing measures [short, medium, and long measure]
 11 foil, a thrust weapon
 12 fencing glove
 13 fencing mask (foil mask)
 14 neck flap (neck guard) on the fencing mask
 15 metallic jacket
 16 fencing jacket
 17 heelless fencing shoes
 18 first position for fencer's salute (initial position, on guard position)
 19-24 sabre (*Am.* saber) fencing
 19 sabreurs (sabre fencers, *Am.* saber fencers)
 20 (light) sabre (*Am.* saber)
 21 sabre (*Am.* saber) glove (sabre gauntlet)
 22 sabre (*Am.* saber) mask
 23 cut at head
 24 parry of the fifth (quinte)
 25-33 épée, with electrical scoring equipment
 25 épéist
 26 electric épée; *also*: electric foil
 27 épée point
 28 scoring lights
 29 spring-loaded wire spool
 30 indicator light
 31 wire
 32 electronic scoring equipment
 33 on guard position

- 34-45 fencing weapons
 34 light sabre (*Am.* saber), a cut and thrust weapon
 35 guard
 36 épée, a thrust weapon
 37 French foil, a thrust weapon
 38 guard (coquille)
 39 Italian foil
 40 foil pommel
 41 handle
 42 cross piece (quillons)
 43 guard (coquille)
 44 blade
 45 button
 46 engagements
 47 quarte (carte) engagement
 48 tierce engagement (*also*: sixte engagement)
 49 circling engagement
 50 seconde engagement (*also*: octave engagement)
 51-53 target areas
 51 the whole body in épée fencing (men)
 52 head and upper body down to the groin in sabre (*Am.* saber) fencing (men)
 53 trunk from the neck to the groin in foil fencing (ladies and men)

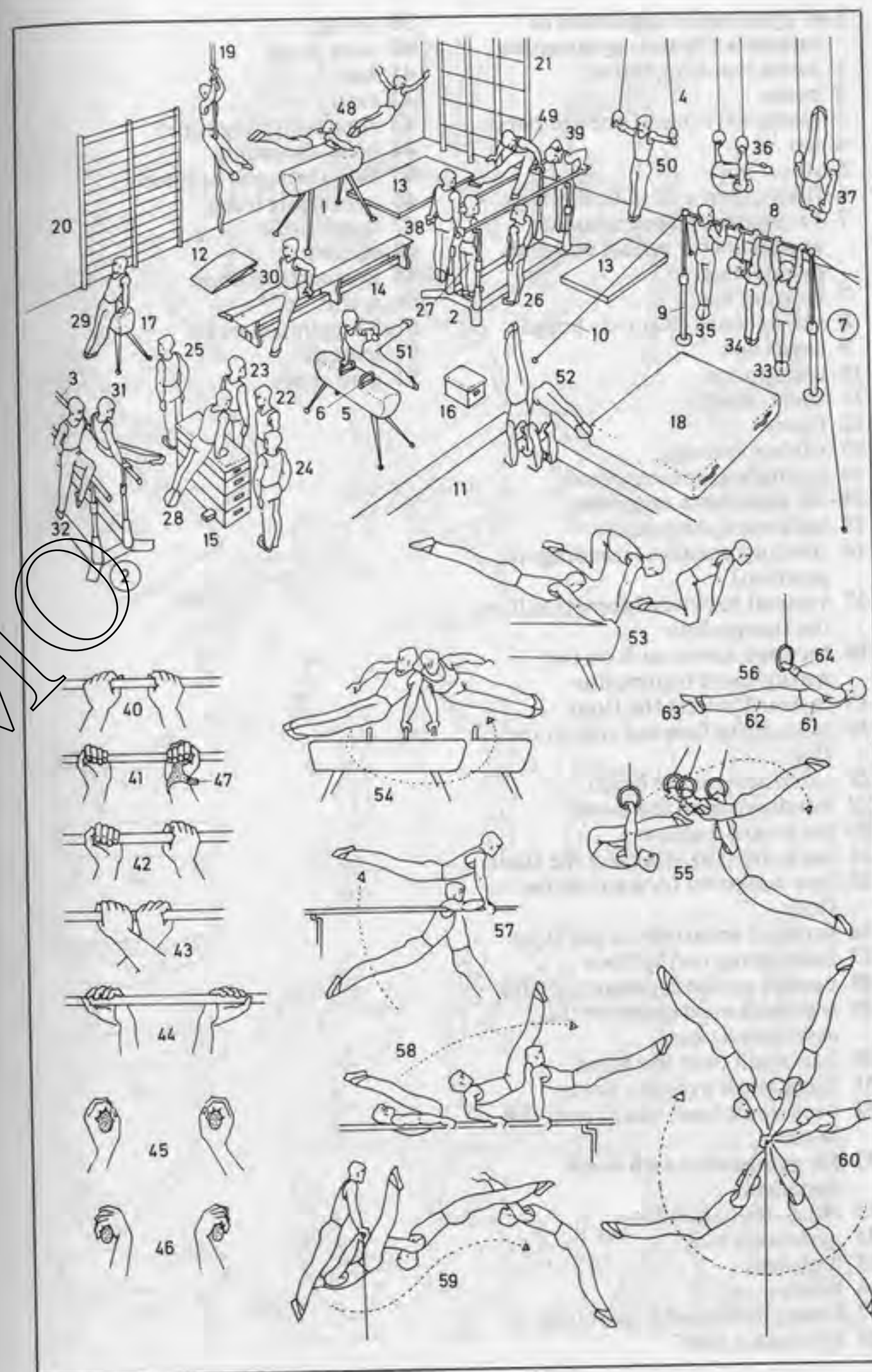


- 1 basic position (starting position)
- 2 running posture
- 3 side straddle
- 4 straddle (forward straddle)
- 5 toe stand
- 6 crouch
- 7 upright kneeling position
- 8 kneeling position, seat on heels
- 9 squat
- 10 L seat (long sitting)
- 11 tailor seat (sitting tailor-style)
- 12 hurdle (hurdle position)
- 13 V-seat
- 14 side split
- 15 forward split
- 16 L-support
- 17 V-support
- 18 straddle seat
- 19 bridge
- 20 kneeling front support
- 21 front support
- 22 back support
- 23 crouch with front support
- 24 arched front support
- 25 side support
- 26 forearm stand (forearm balance)
- 27 handstand
- 28 headstand
- 29 shoulder stand (shoulder balance)
- 30 forward horizontal stand (arabesque)
- 31 rearward horizontal stand
- 32 trunk-bending sideways
- 33 trunk-bending forwards
- 34 arch
- 35 astride jump (butterfly)
- 36 tuck jump
- 37 astride jump
- 38 pike
- 39 scissor jump
- 40 stag jump (stag leap)
- 41 running step
- 42 lunge
- 43 forward pace
- 44 lying on back
- 45 prone position
- 46 lying on side
- 47 holding arms downwards
- 48 holding (extending) arms sideways
- 49 holding arms raised upward
- 50 holding (extending) arms forward
- 51 arms held (extended) backward
- 52 hands clasped behind the head



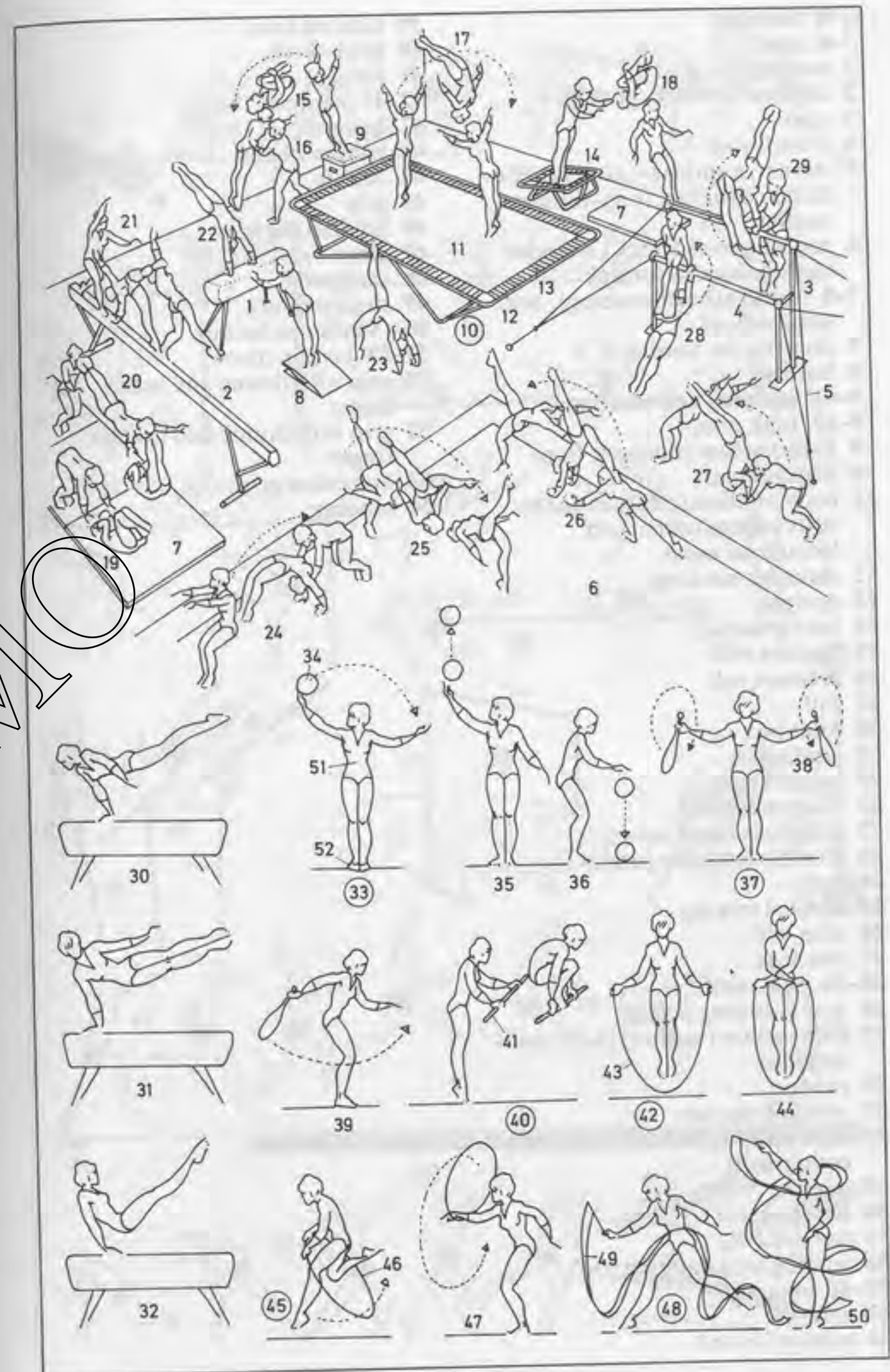
- 1-11 gymnastics apparatus in men's Olympic gymnastics
- 1 long horse (horse, vaulting horse)
- 2 parallel bars
- 3 bar
- 4 rings (stationary rings)
- 5 pommel horse (side horse)
- 6 pommel
- 7 horizontal bar (high bar)
- 8 bar
- 9 upright
- 10 stay wires
- 11 floor (12 m x 12 m floor area)
- 12-21 auxiliary apparatus and apparatus for school and club gymnastics
- 12 springboard (Reuther board)
- 13 landing mat
- 14 bench
- 15 box
- 16 small box
- 17 buck
- 18 mattress
- 19 climbing rope (rope)
- 20 wall bars
- 21 window ladder
- 22-39 positions in relation to the apparatus
- 22 side, facing
- 23 side, facing away
- 24 end, facing
- 25 end, facing away
- 26 outside, facing
- 27 inside, facing
- 28 front support
- 29 back support
- 30 straddle position
- 31 seated position outside
- 32 riding seat outside
- 33 hang
- 34 reverse hang
- 35 hang with elbows bent
- 36 piked reverse hang
- 37 straight inverted hang
- 38 straight hang
- 39 bent hang
- 40-46 grasps (kinds of grasp)
- 40 overgrasp on the horizontal bar
- 41 undergrasp on the horizontal bar
- 42 combined grasp on the horizontal bar
- 43 cross grasp on the horizontal bar

- 44 rotated grasp on the horizontal bar
- 45 outside grip on the parallel bars
- 46 rotated grasp on the parallel bars
- 47 leather handstrap
- 48-60 exercises
- 48 long-fly on the horse
- 49 rise to straddle on the parallel bars
- 50 crucifix on the rings
- 51 scissors (scissors movement) on the pommel horse
- 52 legs raising into a handstand on the floor
- 53 squat vault on the horse
- 54 double leg circle on the pommel horse
- 55 hip circle backwards on the rings
- 56 lever hang on the rings
- 57 rearward swing on the parallel bars
- 58 forward kip into upper arm hang on the parallel bars
- 59 backward underswing on the horizontal bar
- 60 backward grand circle on the horizontal bar
- 61-63 gymnastics kit
- 61 singlet (vest, Am. undershirt)
- 62 gym trousers
- 63 gym shoes
- 64 wristband



- 1-6 gymnastics apparatus in women's Olympic gymnastics
- 1 horse (vaulting horse)
- 2 beam
- 3 asymmetric bars (uneven bars)
- 4 bar
- 5 stay wires
- 6 floor (12 m x 12 m floor area)
- 7-14 auxiliary apparatus and apparatus for school and club gymnastics
- 7 landing mat
- 8 springboard (Reuther board)
- 9 small box
- 10 trampoline
- 11 sheet (web)
- 12 frame
- 13 rubber springs
- 14 springboard trampoline
- 15-32 apparatus exercises
- 15 backward somersault
- 16 spotting position (standing-in position)
- 17 vertical backward somersault on the trampoline
- 18 forward somersault on the springboard trampoline
- 19 forward roll on the floor
- 20 long-fly to forward roll on the floor
- 21 cartwheel on the beam
- 22 handspring on the horse
- 23 backward walkover
- 24 back flip (flik-flak) on the floor
- 25 free walkover forward on the floor
- 26 forward walkover on the floor
- 27 headspring on the floor
- 28 upstart on the asymmetric bars
- 29 free backward circle on the asymmetric bars
- 30 face vault over the horse
- 31 flank vault over the horse
- 32 back vault (rear vault) over the horse
- 33-50 gymnastics with hand apparatus
- 33 hand-to-hand throw
- 34 gymnastic ball
- 35 high toss
- 36 bounce
- 37 hand circling with two clubs
- 38 gymnastic club

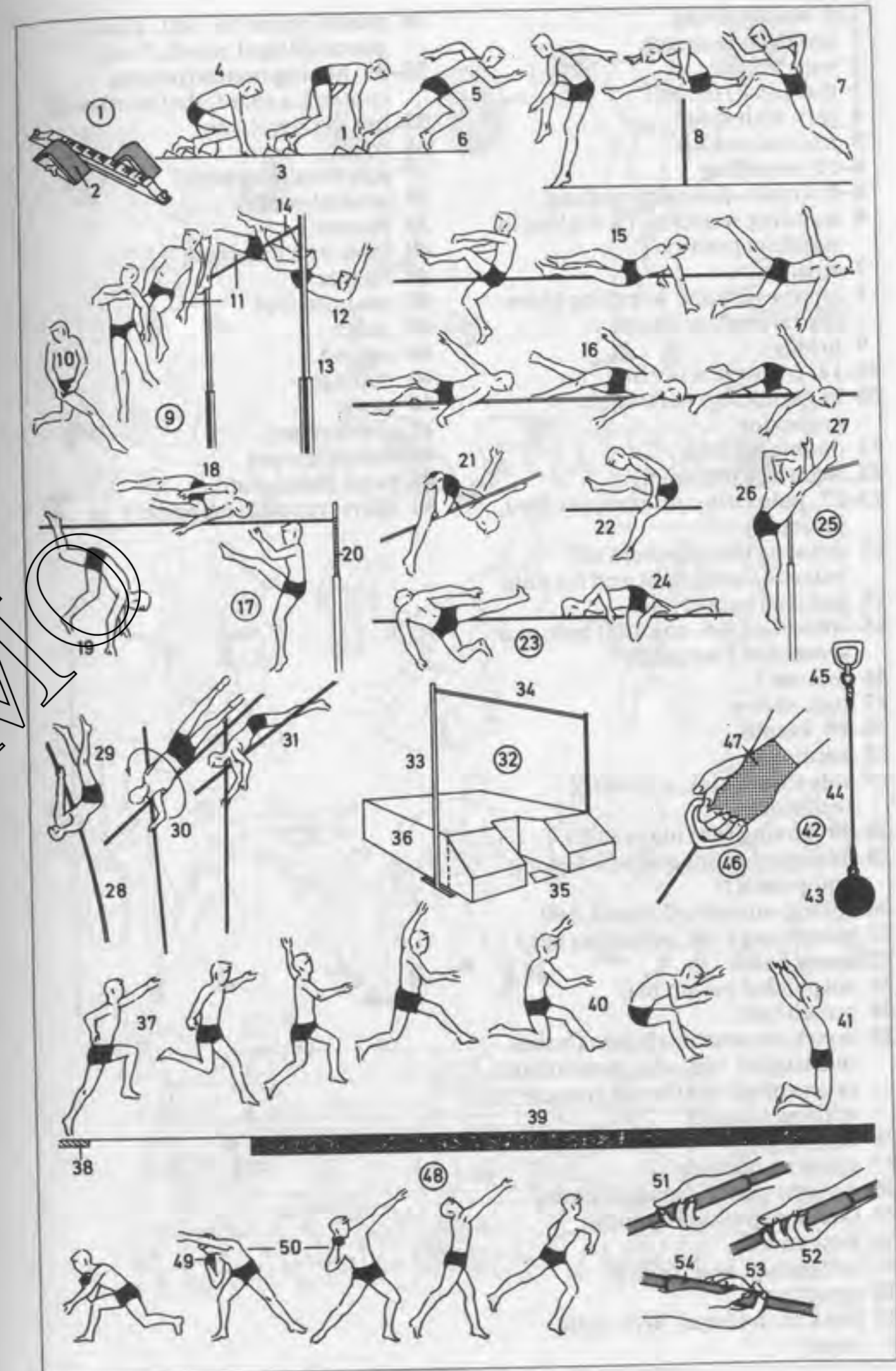
- 39 swing
- 40 tuck jump
- 41 bar
- 42 skip
- 43 rope (skipping rope)
- 44 criss-cross skip
- 45 skip through the hoop
- 46 gymnastic hoop
- 47 hand circle
- 48 serpent
- 49 gymnastic ribbon
- 50 spiral
- 51-52 gymnastics kit
- 51 leotard
- 52 gym shoes



DEMO

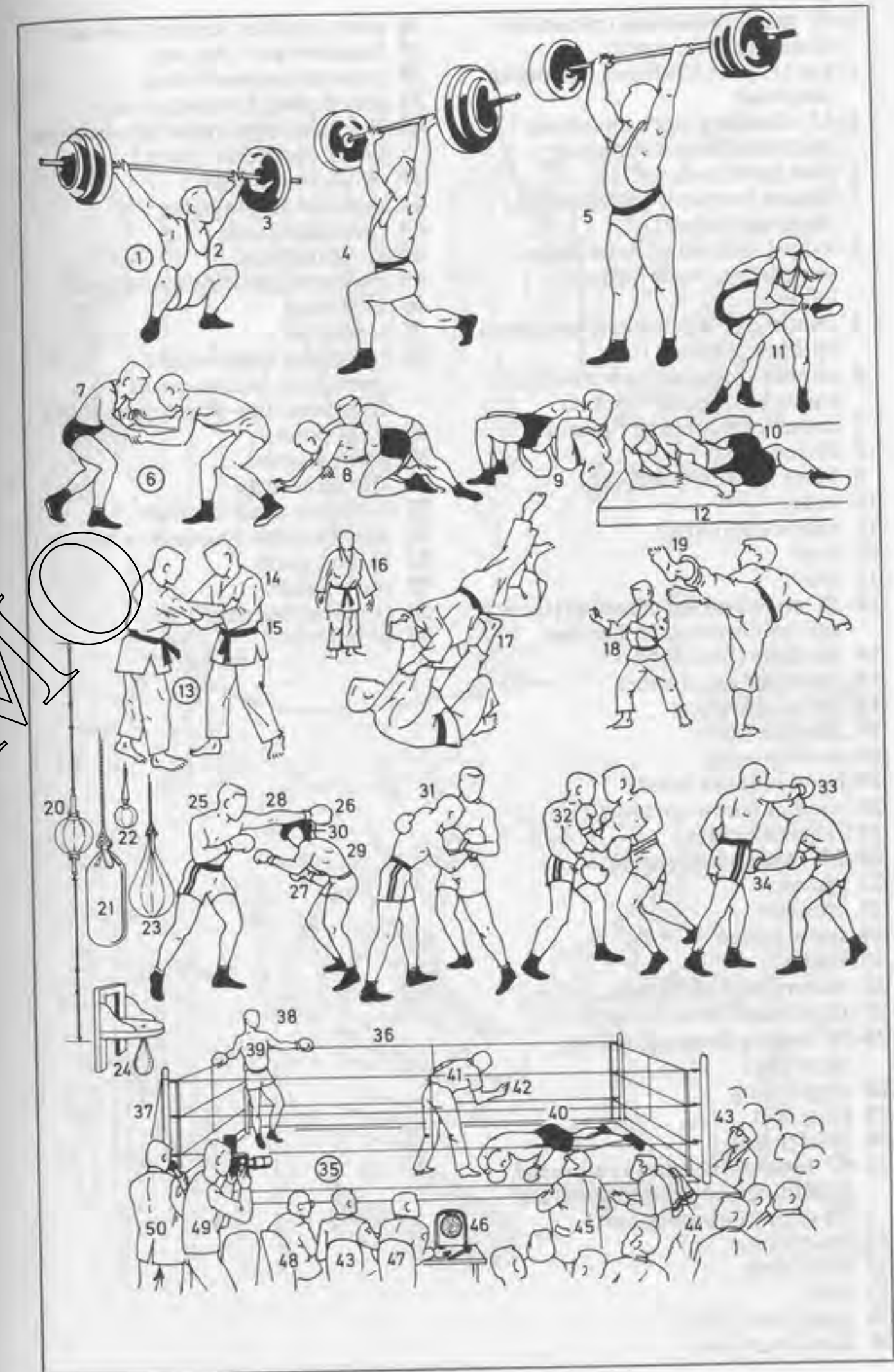
- 1-8 running
- 1-6 start
- 1 starting block
- 2 adjustable block (pedal)
- 3 start
- 4 crouch start
- 5 runner, a sprinter; *also*: middle-distance runner, long-distance runner
- 6 running track (track), a cinder track or synthetic track
- 7-8 hurdles (hurdle racing); *sim.*: steeplechase
- 7 clearing the hurdle
- 8 hurdle
- 9-41 jumping and vaulting
- 9-27 high jump
- 9 Fosbury flop (Fosbury, flop)
- 10 high jumper
- 11 body rotation (rotation on the body's longitudinal and latitudinal axes)
- 12 shoulder landing
- 13 upright
- 14 bar (crossbar)
- 15 Eastern roll
- 16 Western roll
- 17 roll
- 18 rotation
- 19 landing
- 20 height scale
- 21 Eastern cut-off
- 22 scissors (scissor jump)
- 23 straddle (straddle jump)
- 24 turn
- 25 vertical free leg
- 26 take-off
- 27 free leg
- 28-36 pole vault
- 28 pole (vaulting pole)
- 29 pole vaulter (vaulter) in the pull-up phase
- 30 swing
- 31 crossing the bar
- 32 high jump apparatus (high jump equipment)
- 33 upright
- 34 bar (crossbar)
- 35 box
- 36 landing area (landing pad)
- 37-41 long jump
- 37 take-off
- 38 take-off board

- 39 landing area
- 40 hitch-kick
- 41 hang
- 42-47 hammer throw
- 42 hammer
- 43 hammer head
- 44 handle
- 45 grip
- 46 holding the grip
- 47 glove
- 48 shot put
- 49 shot (weight)
- 50 O'Brien technique
- 51-53 javelin throw
- 51 grip with thumb and index finger
- 52 grip with thumb and middle finger
- 53 horseshoe grip
- 54 binding



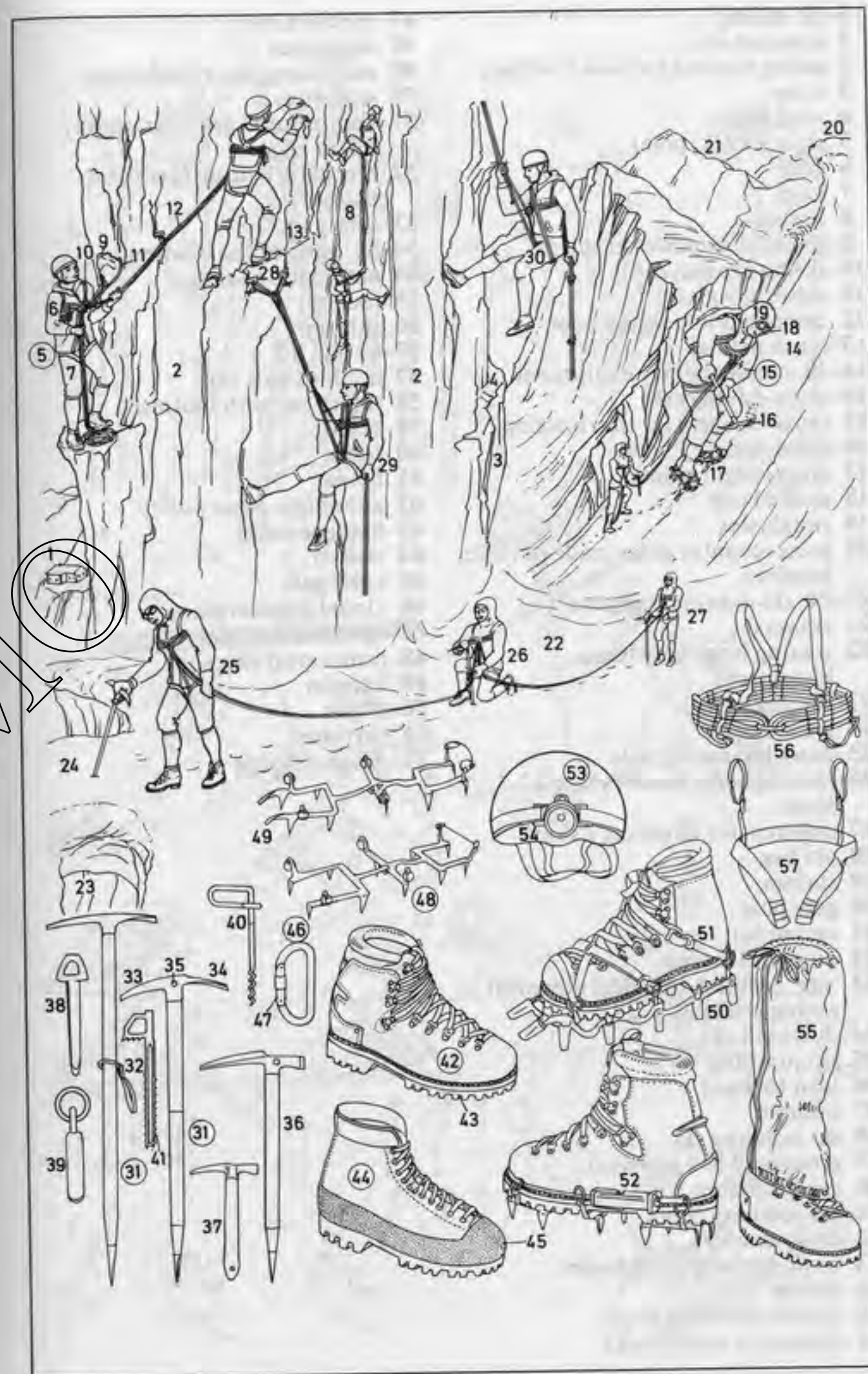
- 1-5 weightlifting
- 1 squat-style snatch
- 2 weightlifter
- 3 disc (disk) barbell
- 4 jerk with split
- 5 maintained lift
- 6-12 wrestling
- 6-9 Greco-Roman wrestling
- 6 standing wrestling (wrestling in standing position)
- 7 wrestler
- 8 on-the-ground wrestling (*here*: the referee's position)
- 9 bridge
- 10-12 freestyle wrestling
- 10 bar arm (arm bar) with grapevine
- 11 double leg lock
- 12 wrestling mat (mat)
- 13-17 judo (*sim.*: ju-jitsu, jiu jitsu, ju-jutsu)
- 13 drawing the opponent off balance to the right and forward
- 14 judoka (judoist)
- 15 coloured (*Am.* colored) belt, as a symbol of Dan grade
- 16 referee
- 17 judo throw
- 18-19 karate
- 18 karateka
- 19 side thrust kick, a kicking technique
- 20-50 boxing (boxing match)
- 20-24 training apparatus (training equipment)
- 20 spring-supported punch ball
- 21 punch bag (*Am.* punching bag)
- 22 speed ball
- 23 suspended punch ball
- 24 punch ball
- 25 boxer, an amateur boxer (boxes in a singlet, vest, *Am.* undershirt) or a professional boxer (boxes without singlet)
- 26 boxing glove
- 27 sparring partner
- 28 straight punch (straight blow)
- 29 ducking and sidestepping
- 30 headguard
- 31 infighting; *here*: clinch
- 32 uppercut
- 33 hook to the head; *here*: right hook

- 34 punch below the belt, a foul punch (illegal punch, foul)
- 35-50 boxing match (boxing contest), a title fight (title bout)
- 35 boxing ring (ring)
- 36 ropes
- 37 stay wire (stay rope)
- 38 neutral corner
- 39 winner
- 40 loser by a knockout
- 41 referee
- 42 counting out
- 43 judge
- 44 second
- 45 manager
- 46 gong
- 47 timekeeper
- 48 record keeper
- 49 press photographer (reporter)
- 50 sports reporter (reporter)



DEMO

- 1-57 **mountaineering** (mountain climbing, Alpinism)
- 1 hut (Alpine Club hut, mountain hut, base)
- 2-13 **climbing** (rock climbing) [rock climbing technique]
- 2 rock face (rock wall)
- 3 fissure (vertical, horizontal, or diagonal fissure)
- 4 ledge (rock ledge, grass ledge, scree ledge, snow ledge, ice ledge)
- 5 mountaineer (climber, mountain climber, Alpinist)
- 6 anorak (high-altitude anorak, snowshirt, padded jacket)
- 7 breeches (climbing breeches)
- 8 chimney
- 9 belay (spike, rock spike)
- 10 belay
- 11 rope sling (sling)
- 12 rope
- 13 spur
- 14-21 **snow and ice climbing** [snow and ice climbing technique]
- 14 ice slope (firn slope)
- 15 snow and ice climber
- 16 ice axe (*Am. ax*)
- 17 step (ice step)
- 18 snow goggles
- 19 hood (anorak hood)
- 20 cornice (snow cornice)
- 21 ridge (ice ridge)
- 22-27 **rope** (roped party)
- 22 glacier
- 23 crevasse
- 24 snow bridge
- 25 leader
- 26 second man (belayer)
- 27 third man (non-belayer)
- 28-30 **roping down** (abseiling, rapelling)
- 28 abseil sling
- 29 sling seat
- 30 Dülfer seat
- 31-57 **mountaineering equipment** (climbing equipment, snow and ice climbing equipment)
- 31 ice axe (*Am. ax*)
- 32 wrist sling
- 33 pick
- 34 adze (*Am. adz*)
- 35 karabiner hole
- 36 short-shafted ice axe (*Am. ax*)
- 37 hammer axe (*Am. ax*)
- 38 general-purpose piton
- 39 abseil piton (ringed piton)
- 40 ice piton (semi-tubular screw ice piton, corkscrew piton)
- 41 drive-in ice piton
- 42 mountaineering boot
- 43 corrugated sole
- 44 climbing boot
- 45 roughened stiff rubber upper
- 46 karabiner
- 47 screwgate
- 48 crampons (lightweight crampons, twelve-point crampons, ten-point crampons)
- 49 front points
- 50 point guards
- 51 crampon strap
- 52 crampon cable fastener
- 53 safety helmet (protective helmet)
- 54 helmet lamp
- 55 snow gaiters
- 56 climbing harness
- 57 sit harness



- 1-72 skiing
- 1 compact ski
- 2 safety binding (release binding)
- 3 strap
- 4 steel edge
- 5 ski stick (ski pole)
- 6 grip
- 7 loop
- 8 basket
- 9 ladies' one-piece ski suit
- 10 skiing cap (ski cap)
- 11 skiing goggles
- 12 cemented sole skiing boot
- 13 crash helmet
- 14-20 cross-country equipment
- 14 cross-country ski
- 15 cross-country rat trap binding
- 16 cross-country boot
- 17 cross-country gear
- 18 peaked cap
- 19 sunglasses
- 20 cross-country poles made of bamboo
- 21-24 ski-waxing equipment
- 21 ski wax
- 22 waxing iron (blowlamp, blowtorch)
- 23 waxing cork
- 24 wax scraper
- 25 downhill racing pole
- 26 herringbone, for climbing a slope
- 27 sidestep, for climbing a slope
- 28 ski bag
- 29 slalom
- 30 gate pole
- 31 racing suit
- 32 downhill racing
- 33 'egg' position, the ideal downhill racing position
- 34 downhill ski
- 35 ski jumping
- 36 lean forward
- 37 number
- 38 ski jumping ski
- 39 grooves (3 to 5 grooves)
- 40 cable binding
- 41 ski jumping boots
- 42 cross-country
- 43 cross-country stretch-suit
- 44 course
- 45 course-marking flag
- 46 layers of a modern ski

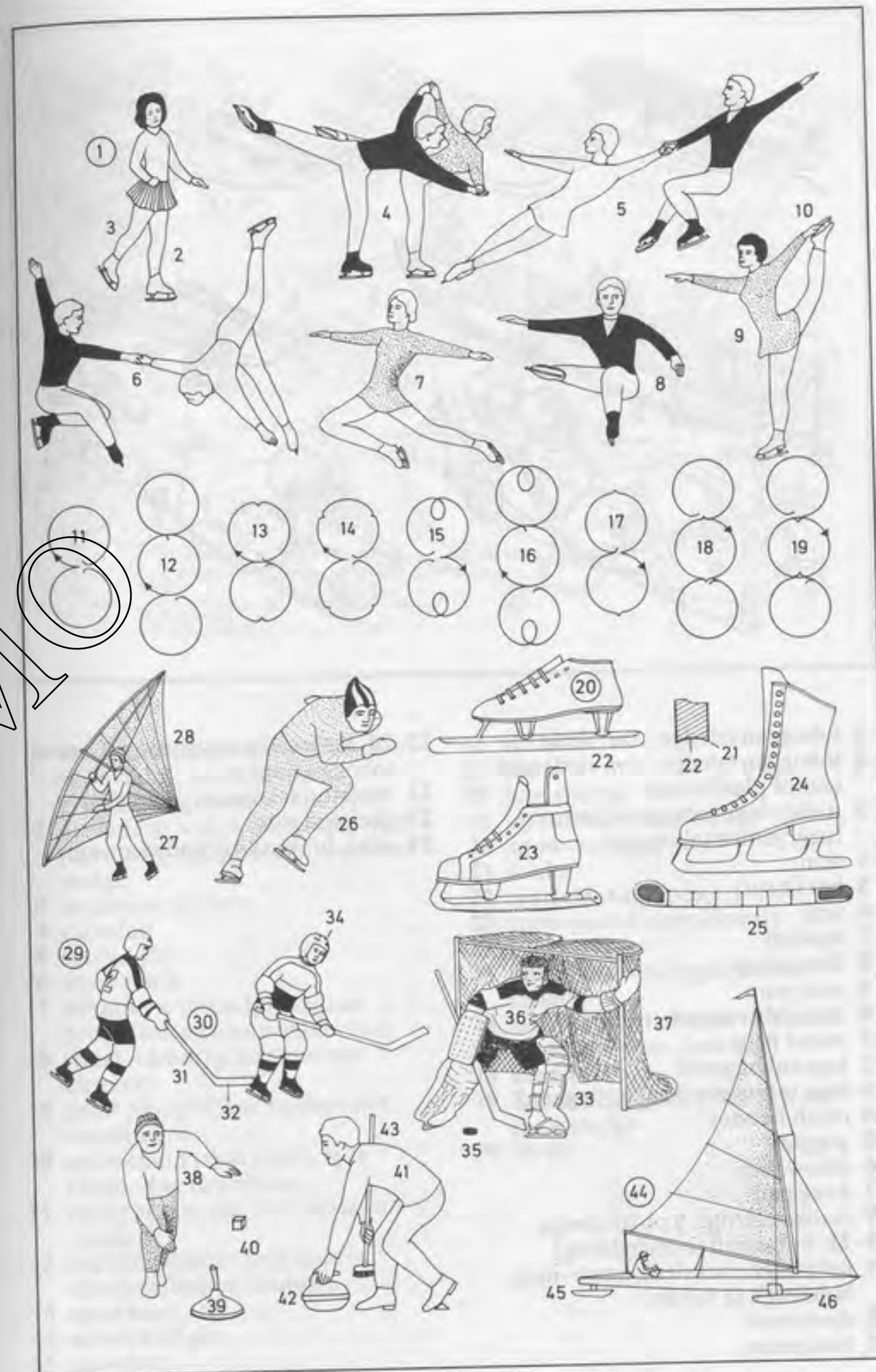
- 47 special core
- 48 laminates
- 49 stabilizing layer (stabilizer)
- 50 steel edge
- 51 aluminium (*Am.* aluminum) upper edge
- 52 synthetic bottom (artificial bottom)
- 53 safety jet
- 54-56 parts of the binding
- 54 automatic heel unit
- 55 toe unit
- 56 ski stop
- 57-63 ski lift
- 57 double chair lift
- 58 safety bar with footrest
- 59 ski lift
- 60 track
- 61 hook
- 62 automatic cable pulley
- 63 haulage cable
- 64 slalom
- 65 open gate
- 66 closed vertical gate
- 67 open vertical gate
- 68 transversal chicane
- 69 hairpin
- 70 elbow
- 71 corridor
- 72 Allais chicane



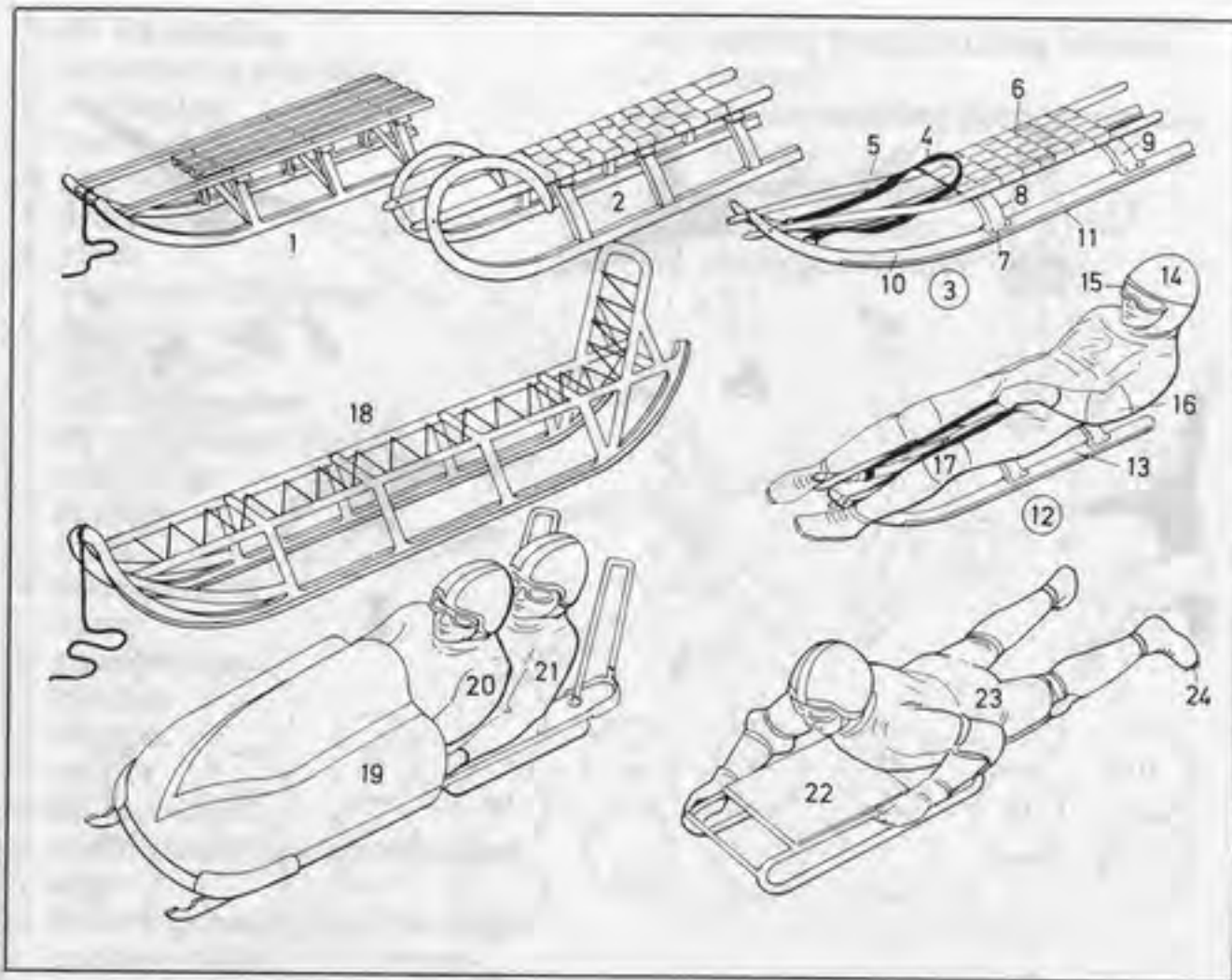
DEMO

- 1-26 ice skating
- 1 ice skater, a solo skater
- 2 tracing leg
- 3 free leg
- 4 pair skaters
- 5 death spiral
- 6 pivot
- 7 stag jump (stag leap)
- 8 jump-sit-spin
- 9 upright spin
- 10 holding the foot
- 11-19 compulsory figures
- 11 curve eight
- 12 change
- 13 three
- 14 double-three
- 15 loop
- 16 change-loop
- 17 bracket
- 18 counter
- 19 rocker
- 20-25 ice skates
- 20 speed skating set (speed skate)
- 21 edge
- 22 hollow grinding (hollow ridge, concave ridge)
- 23 ice hockey set (ice hockey skate)
- 24 ice skating boot
- 25 skate guard
- 26 speed skater
- 27-28 skate sailing
- 27 skate sailor
- 28 hand sail
- 29-37 ice hockey
- 29 ice hockey player
- 30 ice hockey stick
- 31 stick handle
- 32 stick blade
- 33 shin pad
- 34 headgear (protective helmet)
- 35 puck, a vulcanized rubber disc (disk)
- 36 goalkeeper
- 37 goal
- 38-40 ice-stick shooting (Bavarian curling)
- 38 ice-stick shooter (Bavarian curler)
- 39 ice stick
- 40 block
- 41-43 curling
- 41 curler
- 42 curling stone (granite)

- 43 curling brush (curling broom, besom)
- 44-46 ice yachting (iceboating, ice sailing)
- 44 ice yacht (iceboat)
- 45 steering runner
- 46 outrigger runner

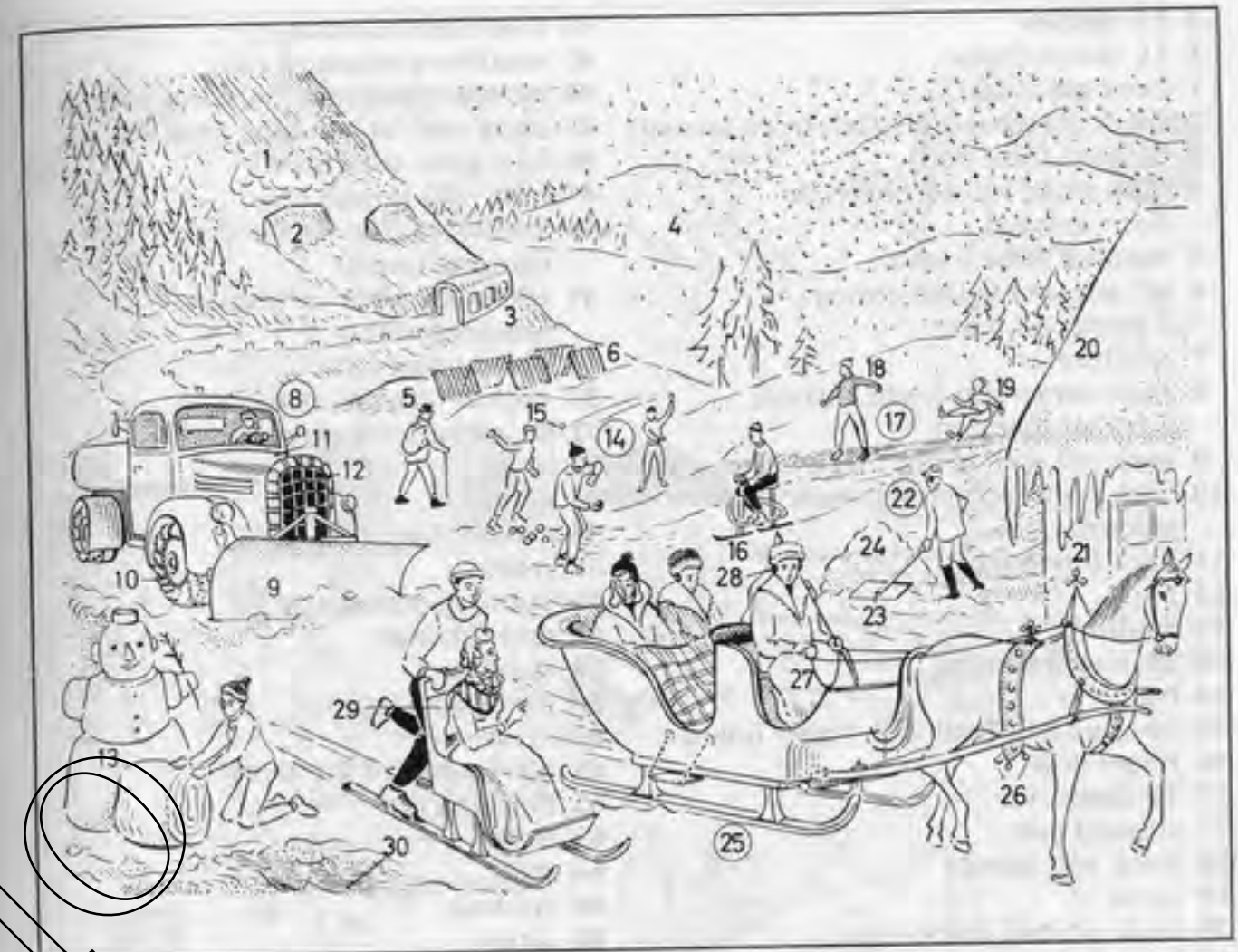


DEMO



- 1 toboggan (sledge, *Am.* sled)
- 2 toboggan (sledge, *Am.* sled) with seat of plaid straps
- 3 junior luge toboggan (junior luge, junior toboggan)
- 4 rein
- 5 bar (strut)
- 6 seat
- 7 bracket
- 8 front prop
- 9 rear prop
- 10 movable runner
- 11 metal face
- 12 luge tobogganer
- 13 luge toboggan (luge, toboggan)
- 14 crash helmet
- 15 goggles
- 16 elbow pad
- 17 knee pad
- 18 Nansen sledge, a polar sledge
- 19-21 bobsleigh (bobsledding)
- 19 bobsleigh (bobsled), a two-man bobsleigh (a boblet)
- 20 steersman
- 21 brakeman

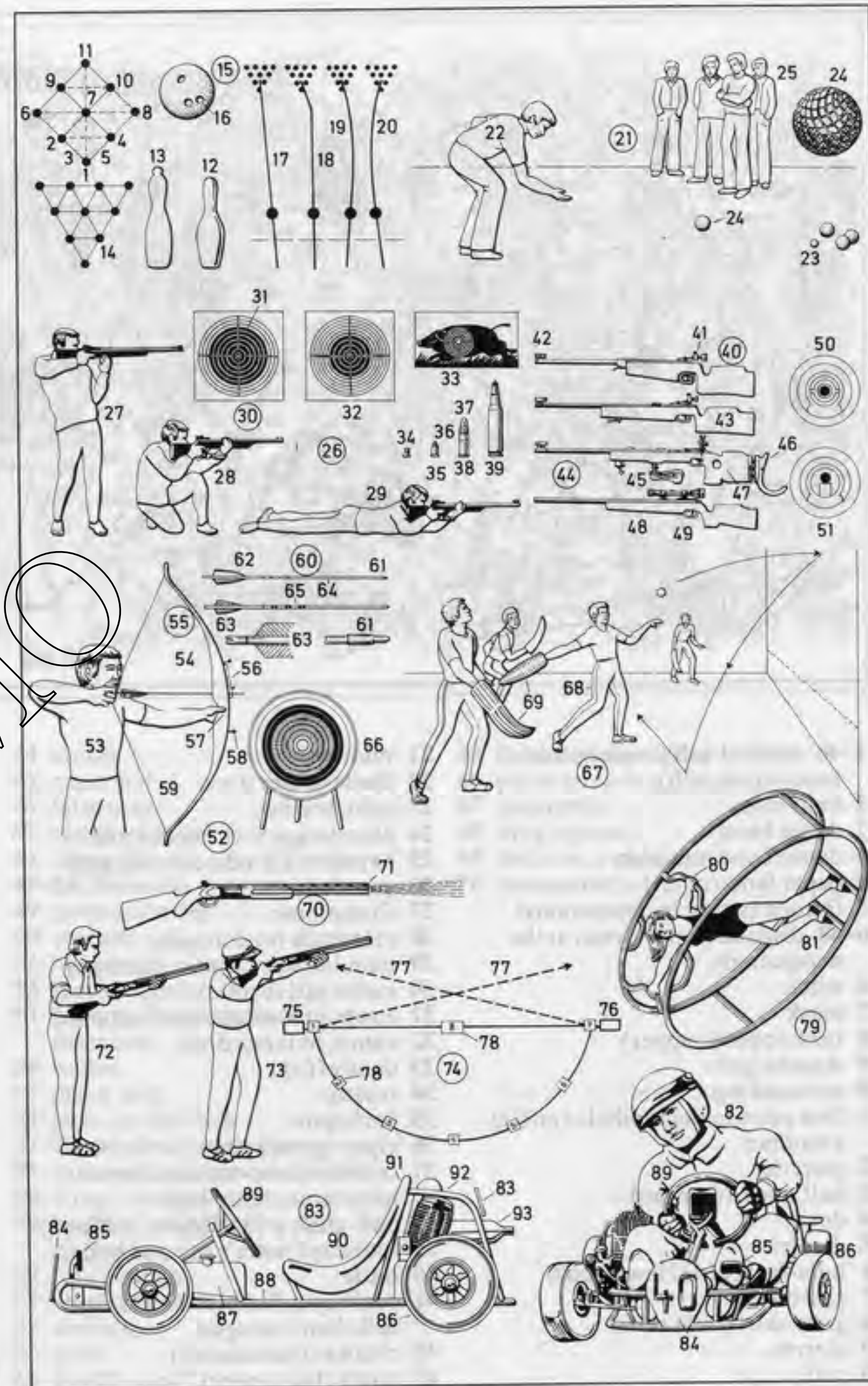
- 22-24 skeleton tobogganing (Cresta tobogganing)
- 22 skeleton (skeleton toboggan)
- 23 skeleton rider
- 24 rake, for braking and steering



- 1 avalanche (snow avalanche, *Am.* snowslide); *kinds:* wind avalanche, ground avalanche
- 2 avalanche wall, a deflecting wall (diverting wall); *sim.:* avalanche wedge
- 3 avalanche gallery
- 4 snowfall
- 5 snowdrift
- 6 snow fence
- 7 avalanche forest [planted as protection against avalanches]
- 8 street-cleaning lorry (street cleaner)
- 9 snow plough (*Am.* snowplow) attachment
- 10 snow chain (skid chain, tyre chain, *Am.* tire chain)
- 11 radiator bonnet (*Am.* radiator hood)
- 12 radiator shutter and shutter opening (louvre shutter)
- 13 snowman
- 14 snowball fight
- 15 snowball

- 16 ski bob
- 17 slide
- 18 boy, sliding
- 19 icy surface (icy ground)
- 20 snow-covered roof
- 21 icicle
- 22 man clearing snow
- 23 snow push (snow shovel)
- 24 heap of snow
- 25 horse-drawn sleigh (horse sleigh)
- 26 sleigh bells (bells, set of bells)
- 27 foot muff (*Am.* foot bag)
- 28 earmuff
- 29 handsledge (tread sledge); *sim.:* push sledge
- 30 slush

- 1-13 skittles
- 1-11 skittle frame
- 1 front pin (front)
- 2 left front second pin (left front second)
- 3 running three [left]
- 4 right front second pin (right front second)
- 5 running three [right]
- 6 left corner pin (left corner), a corner (copper)
- 7 landlord
- 8 right corner pin (right corner), a corner (copper)
- 9 back left second pin (back left second)
- 10 back right second pin (back right second)
- 11 back pin (back)
- 12 pin
- 13 landlord
- 14-20 tenpin bowling
- 14 frame
- 15 bowling ball (ball with finger holes)
- 16 finger hole
- 17-20 deliveries
- 17 straight ball
- 18 hook ball (hook)
- 19 curve
- 20 back-up ball (back-up)
- 21 boules; *sim.*: Italian game of bocce, green bowls (bowls)
- 22 boules player
- 23 jack (target jack)
- 24 grooved boule
- 25 group of players
- 26 rifle shooting
- 27-29 shooting positions
- 27 standing position
- 28 kneeling position
- 29 prone position
- 30-33 targets
- 30 target for 50 m events (50 m target)
- 31 circle
- 32 target for 100 m events (100 m target)
- 33 bobbing target (turning target, running-boar target)
- 34-39 ammunition
- 34 air rifle cartridge
- 35 rimfire cartridge for zimmerstutzen (indoor target rifle), a smallbore German single-shot rifle
- 36 case head
- 37 caseless round
- 38 .22 long rifle cartridge
- 39 .222 Remington cartridge
- 40-49 sporting rifles
- 40 air rifle
- 41 optical sight
- 42 front sight (foresight)
- 43 smallbore standard rifle
- 44 international smallbore free rifle
- 45 palm rest for standing position
- 46 butt plate with hook
- 47 butt with thumb hole
- 48 smallbore rifle for bobbing target (turning target)
- 49 telescopic sight (riflescope, telescope sight)
- 50 optical ring sight
- 51 optical ring and bead sight
- 52-66 archery (target archery)
- 52 shot
- 53 archer
- 54 competition bow
- 55 riser
- 56 point-of-aim mark
- 57 grip (handle)
- 58 stabilizer
- 59 bow string (string)
- 60 arrow
- 61 pile (point) of the arrow
- 62 fletching
- 63 nock
- 64 shaft
- 65 cresting
- 66 target
- 67 Basque game of pelota (jai alai)
- 68 pelota player
- 69 wicker basket (cesta)
- 70-78 skeet (skeet shooting), a kind of clay pigeon shooting
- 70 skeet over-and-under shotgun
- 71 muzzle with skeet choke
- 72 ready position on call
- 73 firing position
- 74 shooting range
- 75 high house
- 76 low house
- 77 target's path
- 78 shooting station (shooting box)
- 79 aero wheel
- 80 handle
- 81 footrest
- 82 go-karting (karting)
- 83 go-kart (kart)
- 84 number plate (number)
- 85 pedals
- 86 pneumatic tyre (*Am.* tire)
- 87 petrol tank (*Am.* gasoline tank)
- 88 frame
- 89 steering wheel
- 90 bucket seat
- 91 protective bulkhead
- 92 two-stroke engine
- 93 silencer (*Am.* muffler)





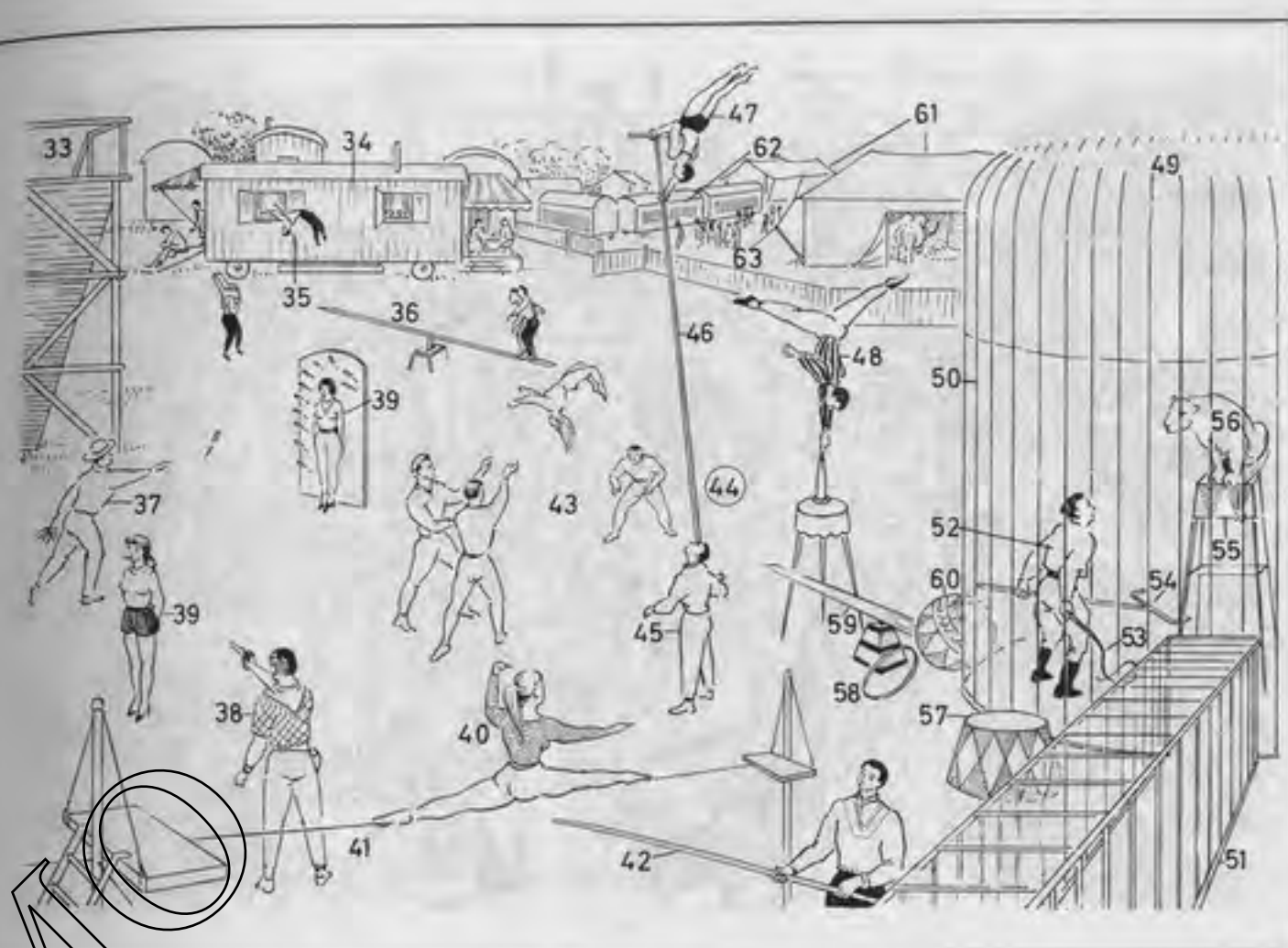
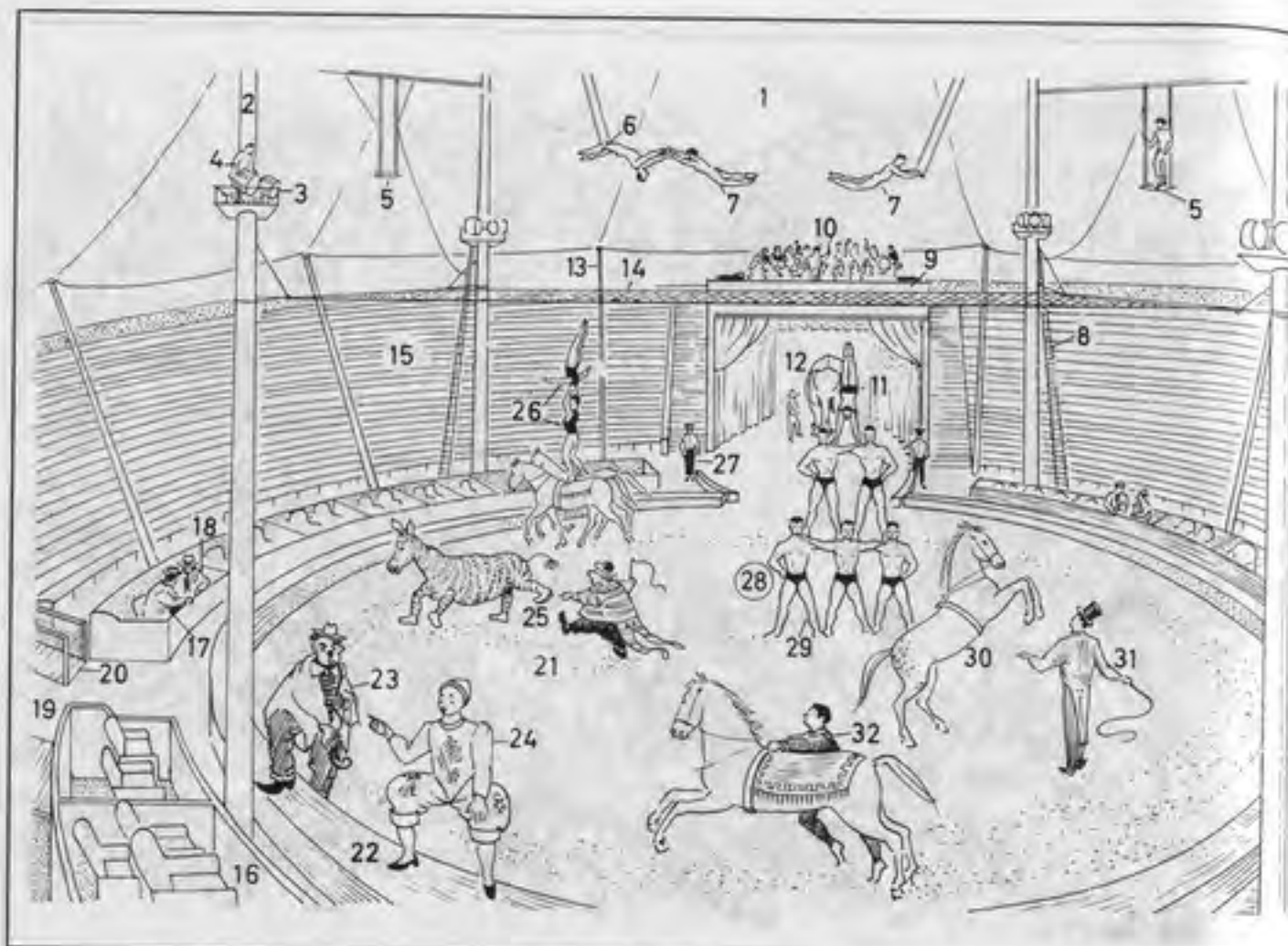
- 1-48 masked ball (masquerade, fancy-dress ball)
 1 ballroom
 2 dance band
 3 dance band musician
 4 paper lantern
 5 festoon (string of decorations)
 6-48 disguise (fancy dress) at the masquerade
 6 witch
 7 mask
 8 fur trapper (trapper)
 9 Apache girl
 10 net stocking
 11 first prize in the tombola (raffle), a hamper
 12 pierette
 13 half mask (domino)
 14 devil
 15 domino
 16 hula-hula girl (Hawaii girl)
 17 garland
 18 grass skirt (hula skirt)
 19 pierrot
 20 ruff

- 21 midinette
 22 Biedermeier dress
 23 poke bonnet
 24 décolletage with beauty spot
 25 bayadère (Hindu dancing girl)
 26 grandee
 27 Columbine
 28 maharaja (maharajah)
 29 mandarin, a Chinese dignitary
 30 exotic girl (exotic)
 31 cowboy; *sim.*: gaucho (vaquero)
 32 vamp, in fancy dress
 33 dandy (fop)
 34 rosette
 35 harlequin
 36 gipsy (gypsy) girl
 37 cocotte (demi-monde, demi-mondaine, demi-rep)
 38 owl-glass, a fool (jester, buffoon)
 39 foolscap (jester's cap and bells)
 40 rattle
 41 odalisque, Eastern female slave in Sultan's seraglio
 42 chalwar (pantaloon)
 43 pirate (buccaneer)



- 44 tattoo
 45 paper hat
 46 false nose
 47 clapper (rattle)
 48 slapstick
 49-54 fireworks
 49 percussion cap
 50 cracker
 51 banger
 52 jumping jack
 53 cannon cracker (maroon, marroon)
 54 rocket
 55 paper ball
 56 jack-in-the-box
 57-70 carnival procession
 57 carnival float (carnival truck)
 58 King Carnival
 59 bauble (fool's sceptre, *Am.* scepter)
 60 fool's badge
 61 Queen Carnival
 62 confetti
 63 giant
 64 beauty queen

- 65 fairy-tale figure
 66 paper streamer
 67 majorette
 68 king's guard
 69 buffoon, a clown
 70 lansquenet's drum



- 1-63 travelling (*Am.* traveling) circus
- 1 circus tent (big top), a four-pole tent
 - 2 tent pole
 - 3 spotlight
 - 4 lighting technician
 - 5 trapeze platform
 - 6 trapeze
 - 7 trapeze artist
 - 8 rope ladder
 - 9 bandstand
 - 10 circus band
 - 11 ring entrance (arena entrance)
 - 12 wings
 - 13 tent prop (prop)
 - 14 safety net
 - 15 seats for the spectators
 - 16 circus box
 - 17 circus manager
 - 18 agent
 - 19 entrance and exit
 - 20 steps
 - 21 ring (arena)
 - 22 ring fence

- 23 musical clown (clown)
- 24 clown
- 25 comic turn (clown act), a circus act
- 26 circus riders (bareback riders)
- 27 ring attendant, a circus attendant
- 28 pyramid
- 29 support
- 30-31 performance by liberty horses
- 30 circus horse, performing the levade (*pesade*)
- 31 ringmaster
- 32 vaulter
- 33 emergency exit
- 34 caravan (circus caravan, *Am.* trailer)
- 35 springboard acrobat (springboard artist)
- 36 springboard
- 37 knife thrower
- 38 circus marksman
- 39 assistant
- 40 tightrope dancer
- 41 tightrope

- 42 balancing pole
- 43 throwing act
- 44 balancing act
- 45 support
- 46 pole (bamboo pole)
- 47 acrobat
- 48 equilibrist (balancer)
- 49 wild animal cage, a round cage
- 50 bars of the cage
- 51 passage (barred passage, passage for the wild animals)
- 52 tamer (wild animal tamer)
- 53 whip
- 54 fork
- 55 pedestal
- 56 wild animal (tiger, lion)
- 57 stand
- 58 hoop (jumping hoop)
- 59 seesaw
- 60 ball
- 61 camp
- 62 cage caravan
- 63 menagerie



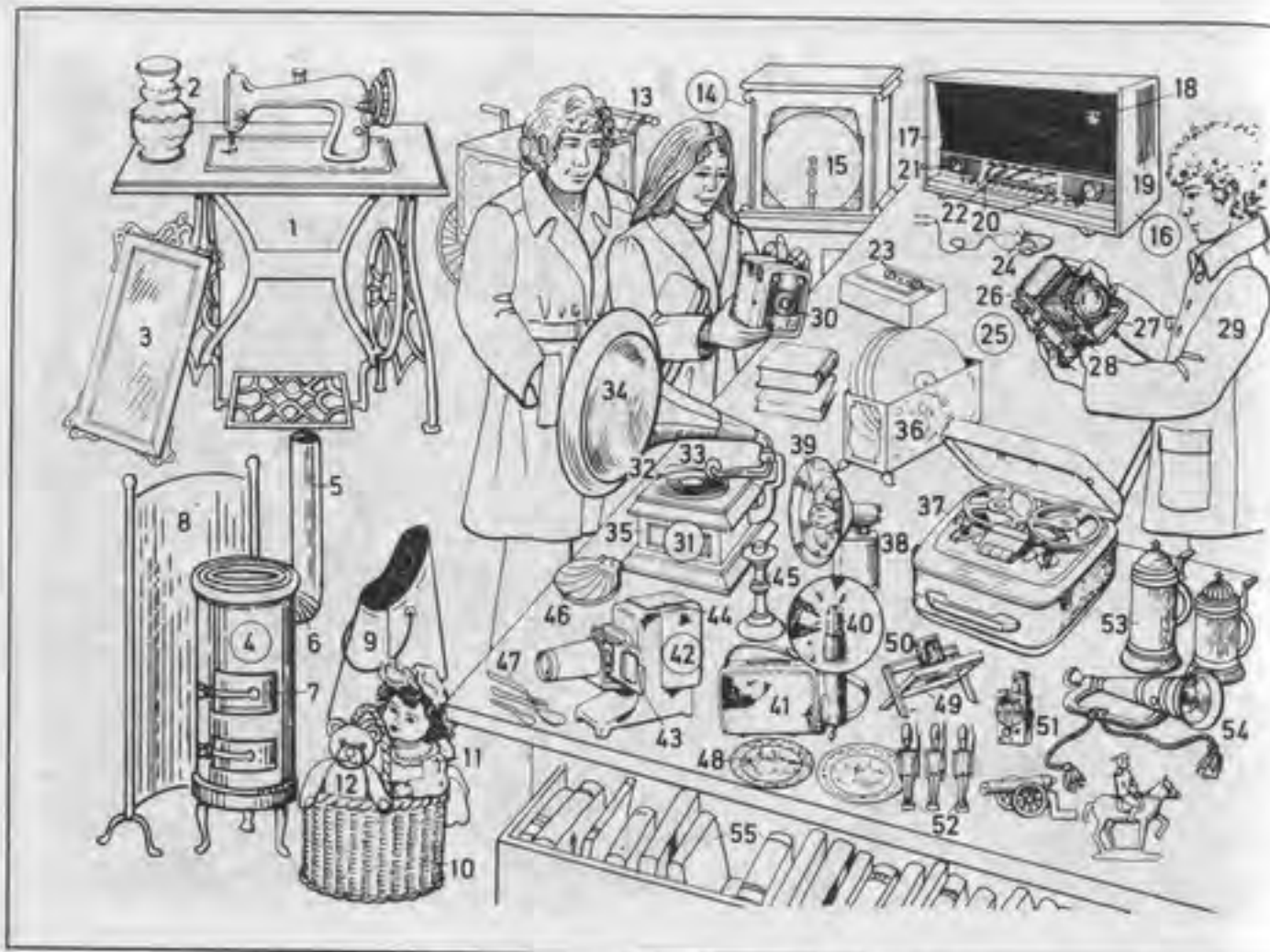
1-69 fair (annual fair)

- 1 fairground
- 2 children's merry-go-round, (whirligig), a roundabout (*Am.* carousel)
- 3 refreshment stall (drinks stall)
- 4 chairoplane
- 5 up-and-down roundabout
- 6 show booth (booth)
- 7 box (box office)
- 8 barker
- 9 medium
- 10 showman
- 11 try-your-strength machine
- 12 hawk
- 13 hot dog stand
- 14 paper serpent
- 15 pickpocket (thief)
- 16 vendor
- 17 Turkish delight
- 18 freak show
- 19 giant
- 20 fat lady
- 21 dwarfs (midgets)
- 22 beer marquee
- 23 sideshow
- 24 travelling (*Am.* traveling) artistes (travelling show people)
- 25 fire eater
- 26 sword swallower
- 27 strong man
- 28 escapologist
- 29 spectators
- 30 ice-cream vendor (ice-cream man)
- 31 ice-cream cornet
- 32 hot-dog stand
- 33 grill (*Am.* broiler)
- 34 hot dog
- 35 sausage tongs
- 36 fortune teller
- 37 big wheel (Ferris wheel)
- 38 orchestrion (automatic organ)



- 45 wheel of fortune
- 46 devil's wheel (typhoon wheel)
- 47 throwing ring (quoit)
- 48 prizes
- 49 sandwich man on stilts
- 50 sandwich board (placard)
- 51 cigarette seller, an itinerant trader (a hawker)
- 52 tray
- 53 fruit stall
- 54 wall-of-death rider
- 55 hall of mirrors
- 56 concave mirror
- 57 convex mirror
- 58 shooting gallery
- 59 hippodrome
- 60 junk stalls (second-hand stalls)
- 61 first aid tent (first aid post)
- 62 dodgems (bumper cars)
- 63 dodgem car (bumper car)

- 64-66 pottery stand
- 64 barker
- 65 market woman
- 66 pottery
- 67 visitors to the fair
- 68 waxworks
- 69 wax figure



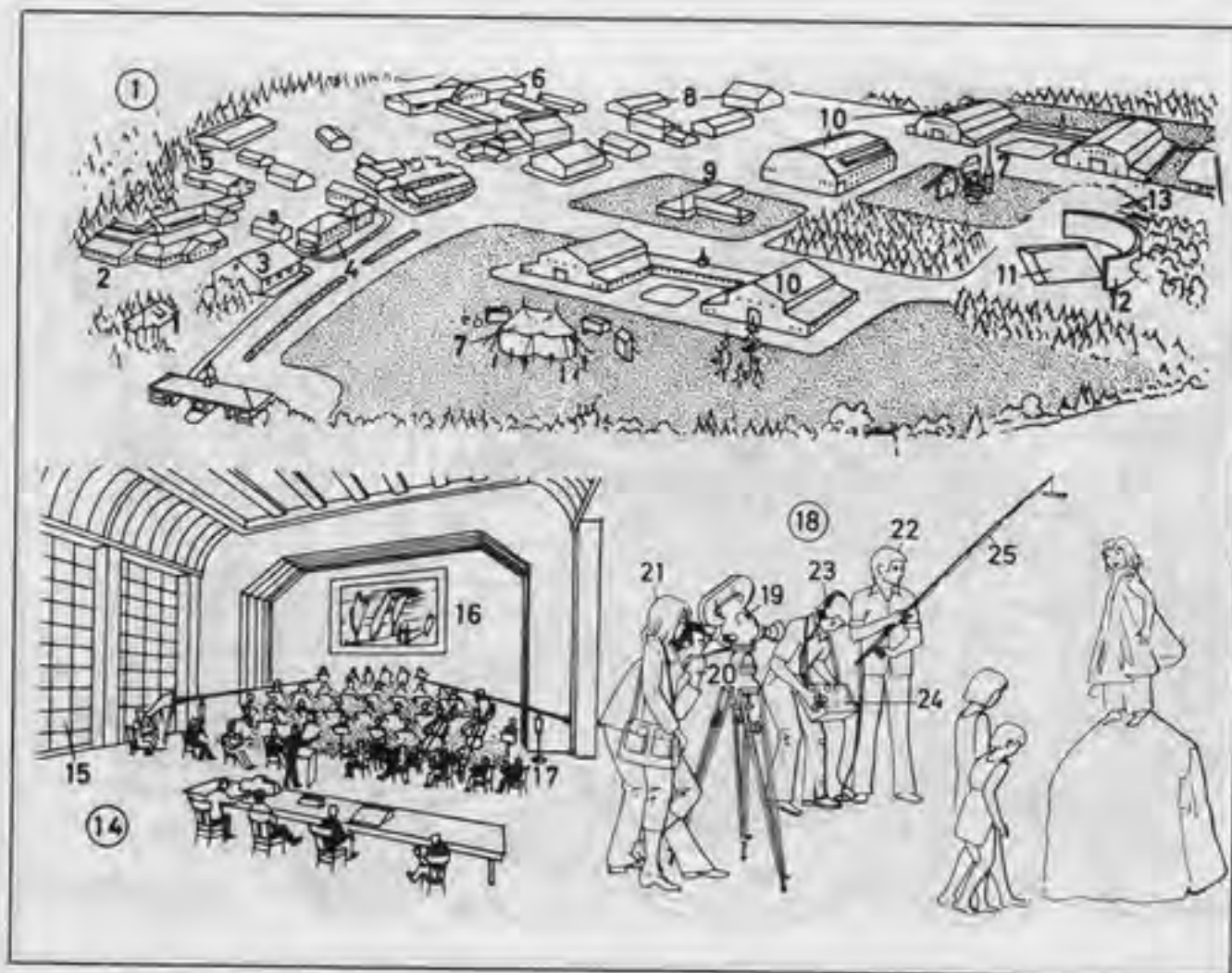
- 1 treadle sewing machine
- 2 flower vase
- 3 wall mirror
- 4 cylindrical stove
- 5 stovepipe
- 6 stovepipe elbow
- 7 stove door
- 8 stove screen
- 9 coal scuttle
- 10 firewood basket
- 11 doll
- 12 teddy bear
- 13 barrel organ
- 14 orchestrion
- 15 metal disc (disk)
- 16 radio (radio set, *loc.*: 'steam radio'), a superheterodyne (superhet)
- 17 baffle board
- 18 'magic eye', a tuning indicator valve
- 19 loudspeaker aperture
- 20 station selector buttons (station preset buttons)
- 21 tuning knob

- 22 frequency bands
- 23 crystal detector (crystal set)
- 24 headphones (headset)
- 25 folding camera
- 26 bellows
- 27 hinged cover
- 28 spring extension
- 29 salesman
- 30 box camera
- 31 gramophone
- 32 record (gramophone record)
- 33 needle head with gramophone needle
- 34 horn
- 35 gramophone box
- 36 record rack
- 37 portable tape recorder
- 38 flashgun
- 39 flash bulb
- 40-41 electronic flash (electronic flashgun)
- 40 flash head
- 41 accumulator
- 42 slide projector
- 43 slide holder



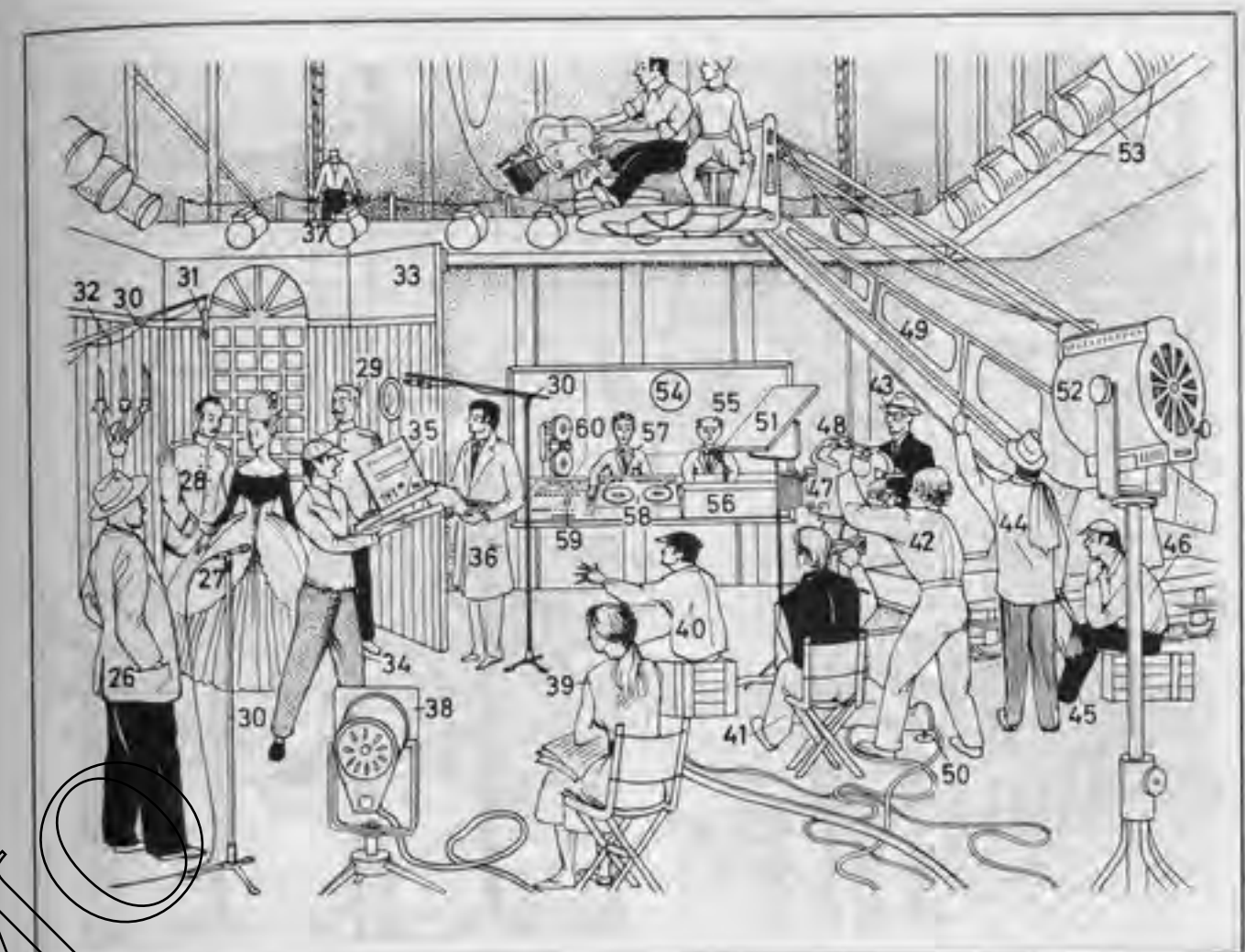
- 44 lamphouse
- 45 candlestick
- 46 scallop shell
- 47 cutlery
- 48 souvenir plate
- 49 drying rack for photographic plates
- 50 photographic plate
- 51 delayed-action release
- 52 tin soldiers (*sim.*: lead soldiers)
- 53 beer mug (stein)
- 54 bugle
- 55 second-hand books
- 56 grandfather clock
- 57 clock case
- 58 pendulum
- 59 time weight
- 60 striking weight
- 61 rocking chair
- 62 sailor suit
- 63 sailor's hat
- 64 washing set
- 65 washing basin
- 66 water jug
- 67 washstand

- 68 dolly
- 69 washtub
- 70 washboard
- 71 humming top
- 72 slate
- 73 pencil box
- 74 adding machine
- 75 paper roll
- 76 number keys
- 77 abacus
- 78 inkwell, with lid
- 79 typewriter
- 80 [hand-operated] calculating machine (calculator)
- 81 operating handle
- 82 result register (product register)
- 83 rotary counting mechanism (rotary counter)
- 84 kitchen scales
- 85 waist slip (underskirt)
- 86 wooden handcart
- 87 wall clock
- 88 bed warmer
- 89 milk churn



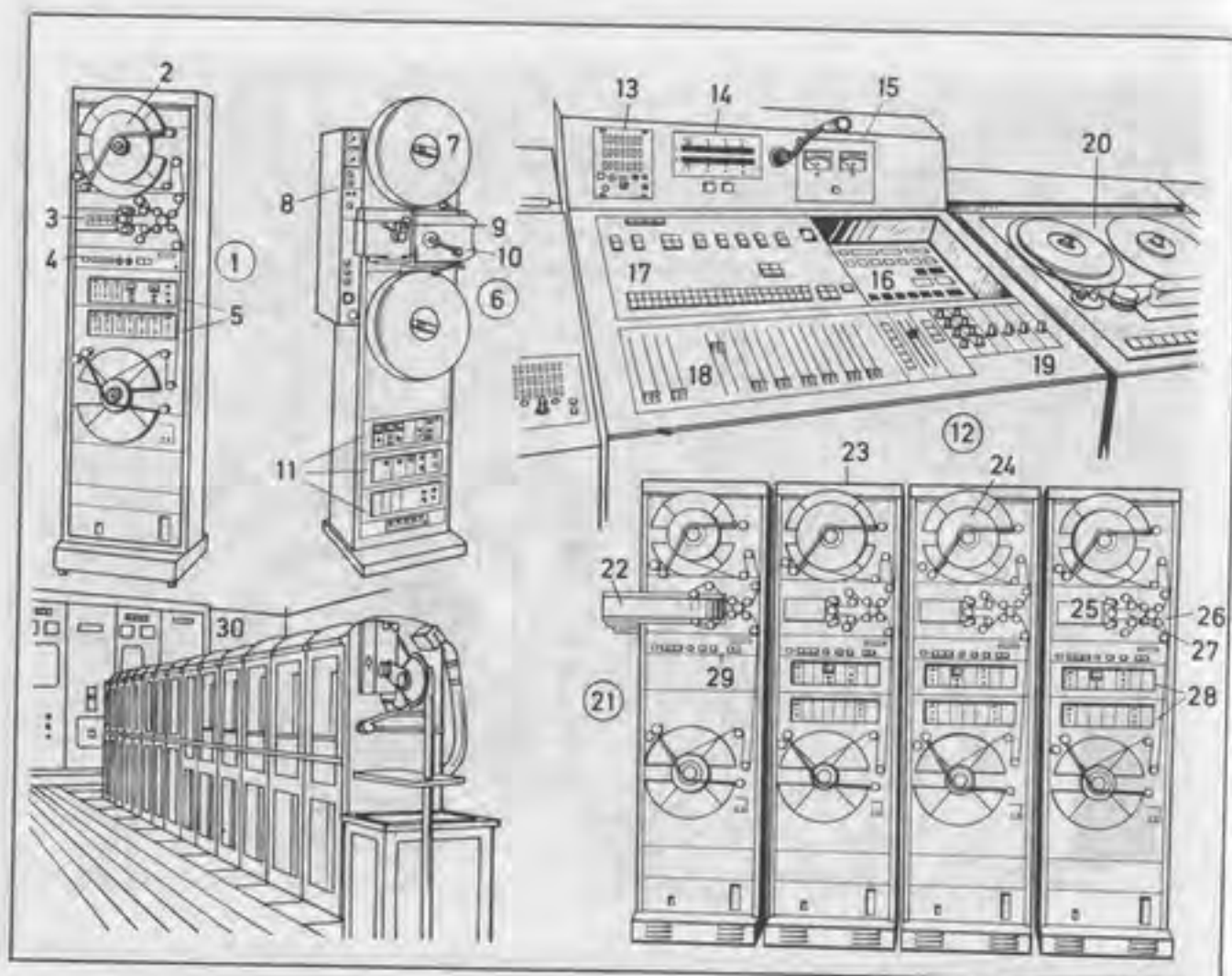
- 1-13 film studios** (studio complex, *Am.* movie studios)
- 1 lot (studio lot)
 - 2 processing laboratories (film laboratories, motion picture laboratories)
 - 3 cutting rooms
 - 4 administration building (office building, offices)
 - 5 film (motion picture) storage vault (film library, motion picture library)
 - 6 workshop
 - 7 film set (*Am.* movie set)
 - 8 power house
 - 9 technical and research laboratories
 - 10 groups of stages
 - 11 concrete tank for marine sequences
 - 12 cyclorama
 - 13 hill
 - 14-60 shooting** (filming)
 - 14 music recording studio (music recording theatre, *Am.* theater)
 - 15 'acoustic' wall lining

- 16 screen (projection screen)
- 17 film orchestra
- 18 exterior shooting (outdoor shooting, exterior filming, outdoor filming)
- 19 camera with crystal-controlled drive
- 20 cameraman
- 21 assistant director
- 22 boom operator (boom swinger)
- 23 recording engineer (sound recordist)
- 24 portable sound recorder with crystal-controlled drive
- 25 microphone boom
- 26-60 shooting** (filming) in the studio (on the sound stage, on the stage, in the filming hall)
- 26 production manager
- 27 leading lady (film actress, film star, star)
- 28 leading man (film actor, film star, star)
- 29 film extra (extra)
- 30 arrangement of microphones for stereo and sound effects



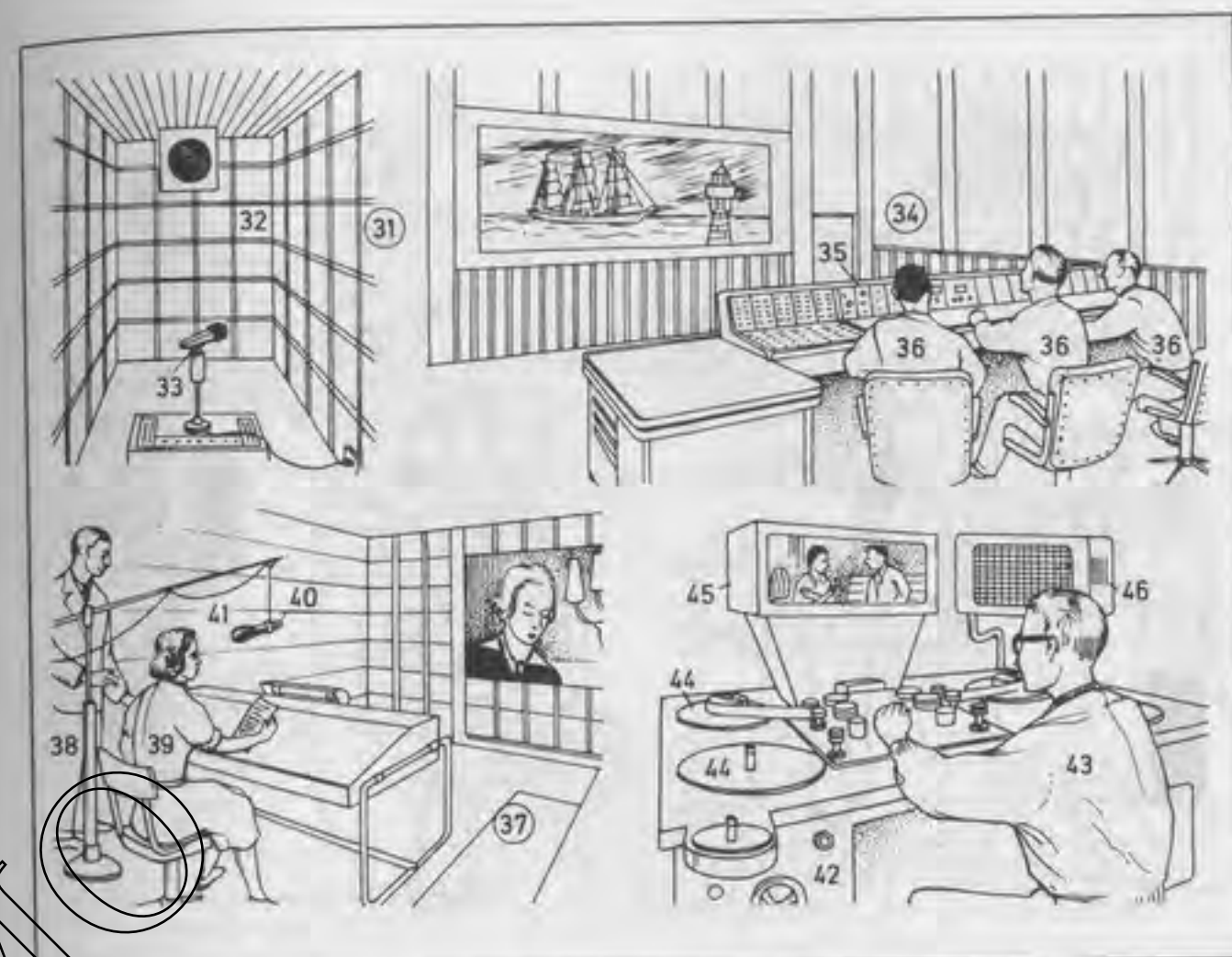
- 31 studio microphone
- 32 microphone cable
- 33 side flats and background
- 34 clapper boy
- 35 clapper board (clapper) with slates (boards) for the film title, shot number (scene number), and take number
- 36 make-up artist (hairstylist)
- 37 lighting electrician (studio electrician, lighting man, *Am.* gaffer)
- 38 diffusing screen
- 39 continuity girl (script girl)
- 40 film director (director)
- 41 cameraman (first cameraman)
- 42 camera operator, an assistant cameraman (camera assistant)
- 43 set designer (art director)
- 44 director of photography
- 45 filmscript (script, shooting script, *Am.* movie script)
- 46 assistant director
- 47 soundproof film camera (soundproof motion picture camera), a wide screen camera (cinemascope camera)

- 48 soundproof housing (soundproof cover, blimp)
- 49 camera crane (dolly)
- 50 hydraulic stand
- 51 mask (screen) for protection from spill light (gobo, nigger)
- 52 tripod spotlight (fill-in light, filler light, fill light, filler)
- 53 spotlight catwalk
- 54 recording room
- 55 recording engineer (sound recordist)
- 56 mixing console (mixing desk)
- 57 sound assistant (assistant sound engineer)
- 58 magnetic sound recording equipment (magnetic sound recorder)
- 59 amplifier and special effects equipment, e.g. for echo and sound effects
- 60 sound recording camera (optical sound recorder)



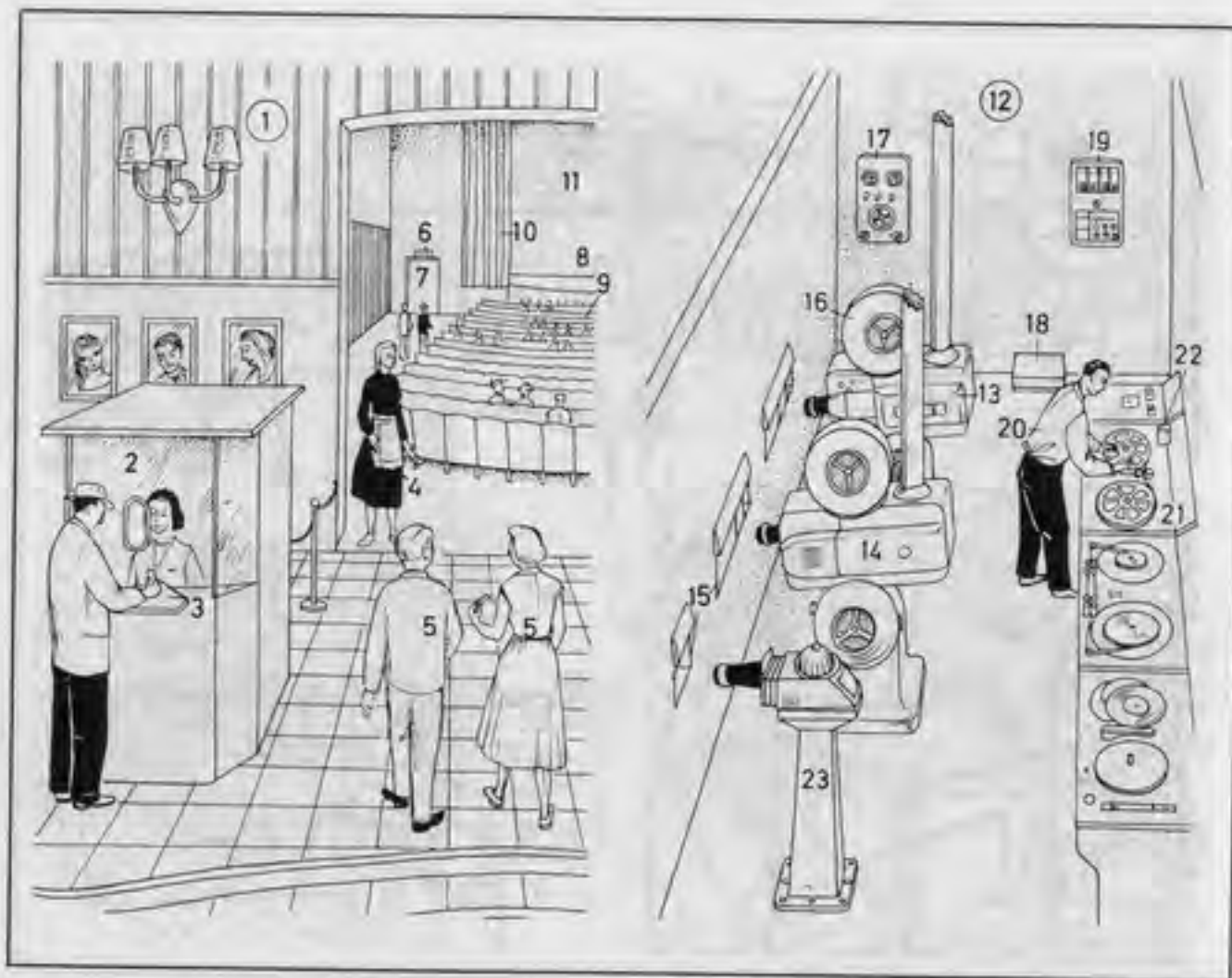
- 1-46 sound recording and re-recording (dubbing)**
- 1 magnetic sound recording equipment (magnetic sound recorder)
 - 2 magnetic film spool
 - 3 magnetic head support assembly
 - 4 control panel
 - 5 magnetic sound recording and playback amplifier
 - 6 optical sound recorder (sound recording camera, optical sound recording equipment)
 - 7 daylight film magazine
 - 8 control and monitoring panel
 - 9 eyepiece for visual control of optical sound recording
 - 10 deck
 - 11 recording amplifier and mains power unit
 - 12 control desk (control console)
 - 13 monitoring loudspeaker (control loudspeaker)
 - 14 recording level indicators
 - 15 monitoring instruments

- 16 jack panel
- 17 control panel
- 18 sliding control
- 19 equalizer
- 20 magnetic sound deck
- 21 mixer for magnetic film
- 22 film projector
- 23 recording and playback equipment
- 24 film reel (film spool)
- 25 head support assembly for the recording head, playback head, and erasing head (erase head)
- 26 film transport mechanism
- 27 synchronizing filter
- 28 magnetic sound amplifier
- 29 control panel
- 30 film-processing machines (film-developing machines) in the processing laboratory (film laboratory, motion picture laboratory)
- 31 echo chamber
- 32 echo chamber loudspeaker
- 33 echo chamber microphone



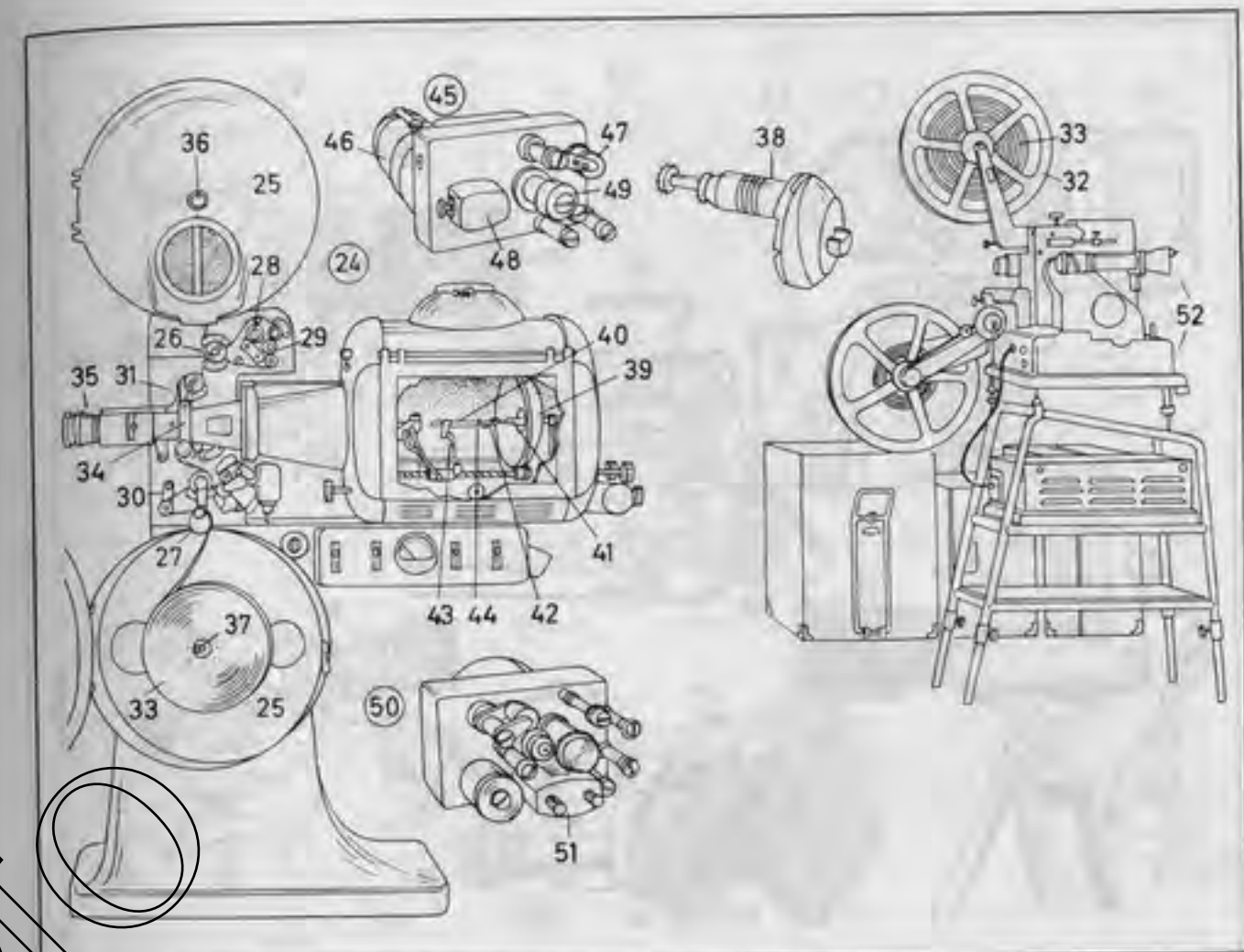
- 34-36 sound mixing (sound dubbing, mixing of several sound tracks)
- 34 mixing room (dubbing room)
- 35 mixing console (mixing desk) for mono or stereo sound
- 36 dubbing mixers (recording engineers, sound recordists) dubbing (mixing)
- 37-41 synchronization (syncing, dubbing, post-synchronization, post-syncing)
- 37 dubbing studio (dubbing theatre, Am. theater)
- 38 dubbing director
- 39 dubbing speaker (dubbing actress)
- 40 boom microphone
- 41 microphone cable

- 42-46 cutting (editing)
- 42 cutting table (editing table, cutting bench)
- 43 film editor (cutter)
- 44 film turntable, for picture and sound tracks
- 45 projection of the picture
- 46 loudspeaker

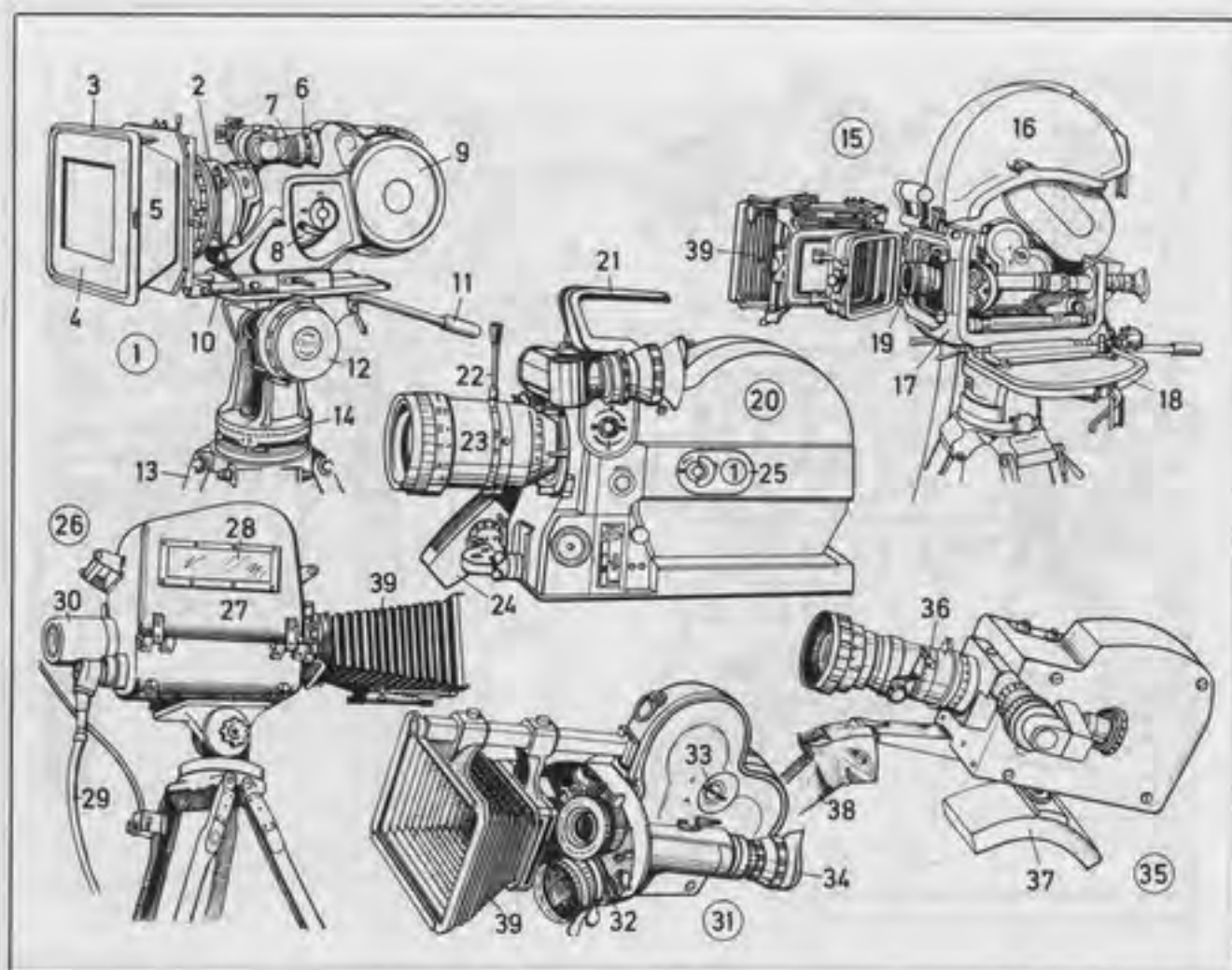


- 1-23 film projection (motion picture projection)**
- 1 cinema (picture house, *Am.* movie theater, movie house)
 - 2 cinema box office (*Am.* movie theater box office)
 - 3 cinema ticket (*Am.* movie theater ticket)
 - 4 usherette
 - 5 cinemagoers (filmgoers, cinema audience, *Am.* moviegoers, movie audience)
 - 6 safety lighting (emergency lighting)
 - 7 emergency exit
 - 8 stage
 - 9 rows of seats (rows)
 - 10 stage curtain (screen curtain)
 - 11 screen (projection screen)
 - 12 projection room (projection booth)
 - 13 lefthand projector
 - 14 righthand projector
 - 15 projection room window with projection window and observation port

- 16 reel drum (spool box)
- 17 house light dimmers (auditorium lighting control)
- 18 rectifier, a selenium or mercury vapour rectifier for the projection lamps
- 19 amplifier
- 20 projectionist
- 21 rewind bench for rewinding the film
- 22 film cement (splicing cement)
- 23 slide projector for advertisements
- 24-52 film projectors**
- 24 sound projector (film projector, cinema projector, theatre projector, *Am.* movie projector)
- 25-38 projector mechanism**
- 25 fireproof reel drums (spool boxes) with circulating oil cooling system
- 26 feed sprocket (supply sprocket)
- 27 take-up sprocket
- 28 magnetic head cluster
- 29 guide roller (guiding roller) with framing control

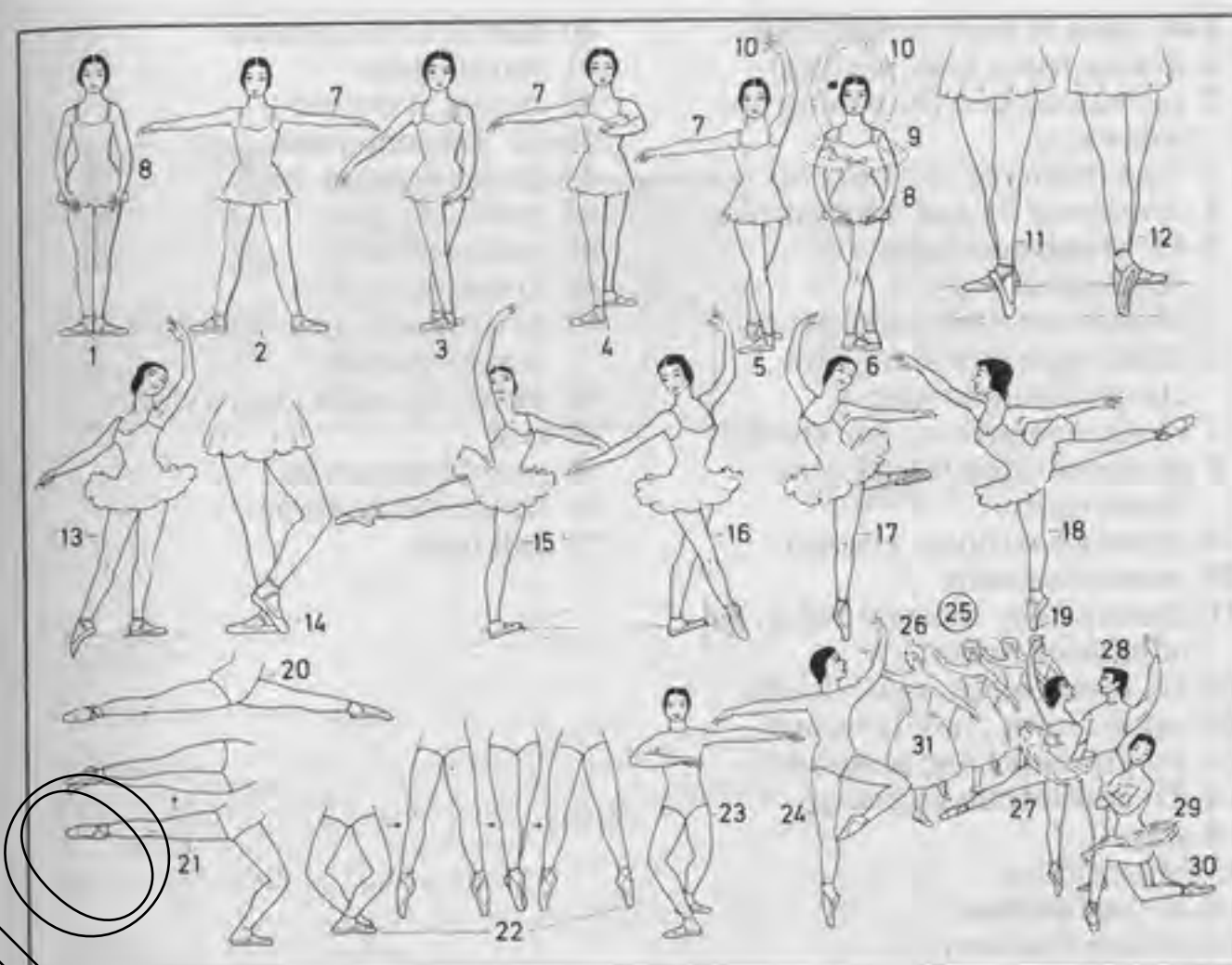


- 30 loop former for smoothing out the intermittent movement; *also*: film break detector
- 31 film path
- 32 film reel (film spool)
- 33 reel of film
- 34 film gate (picture gate, projector gate) with cooling fan
- 35 projection lens (projector lens)
- 36 feed spindle
- 37 take-up spindle with friction drive
- 38 maltese cross mechanism (maltese cross movement, Geneva movement)
- 39-44 lamphouse
- 39 mirror arc lamp, with aspherical (non-spherical) concave mirror and blowout magnet for stabilizing the arc (*also*: high-pressure xenon arc lamp)
- 40 positive carbon (positive carbon rod)
- 41 negative carbon (negative carbon rod)
- 42 arc
- 43 carbon rod holder
- 44 crater (carbon crater)
- 45 optical sound unit [also designed for multi-channel optical stereophonic sound and for push-pull sound tracks]
- 46 sound optics
- 47 sound head
- 48 exciter lamp in housing
- 49 photocell in hollow drum
- 50 attachable four-track magnetic sound unit (penthouse head, magnetic sound head)
- 51 four-track magnetic head
- 52 narrow-gauge (*Am.* narrow-gauge) cinema projector for mobile cinema



1-39 motion picture cameras (film cameras)

- 1 standard-gauge (*Am.* standard-gauge) motion picture camera (standard-gauge, *Am.* standard-gauge, 35 mm camera)
- 2 lens (object lens, taking lens)
- 3 lens hood (sunshade) with matte box
- 4 matte (mask)
- 5 lens hood barrel
- 6 viewfinder eyepiece
- 7 eyepiece control ring
- 8 opening control for the segment disc (disk) shutter
- 9 magazine housing
- 10 slide bar for the lens hood
- 11 control arm (control lever)
- 12 pan and tilt head
- 13 wooden tripod
- 14 degree scale
- 15 soundproof (blimped) motion picture camera (film camera)
- 16-18 soundproof housing (blimp)
- 16 upper section of the soundproof housing
- 17 lower section of the soundproof housing
- 18 open sidewall of the soundproof housing
- 19 camera lens
- 20 lightweight professional motion picture camera
- 21 grip (handgrip)
- 22 zooming lever
- 23 zoom lens (variable focus lens, varifocal lens) with infinitely variable focus
- 24 handgrip with shutter release
- 25 camera door
- 26 sound camera (newsreel camera) for recording sound and picture
- 27 soundproof housing (blimp)
- 28 window for the frame counters and indicator scales
- 29 pilot tone cable (sync pulse cable)
- 30 pilot tone generator (signal generator, pulse generator)
- 31 professional narrow-gauge (*Am.* narrow-gauge) motion picture camera, a 16 mm camera
- 32 lens turret (turret head)
- 33 housing lock
- 34 eyecup
- 35 high-speed camera, a special narrow-gauge (*Am.* narrow-gauge) camera
- 36 zooming lever
- 37 rifle grip
- 38 handgrip with shutter release
- 39 lens hood bellows

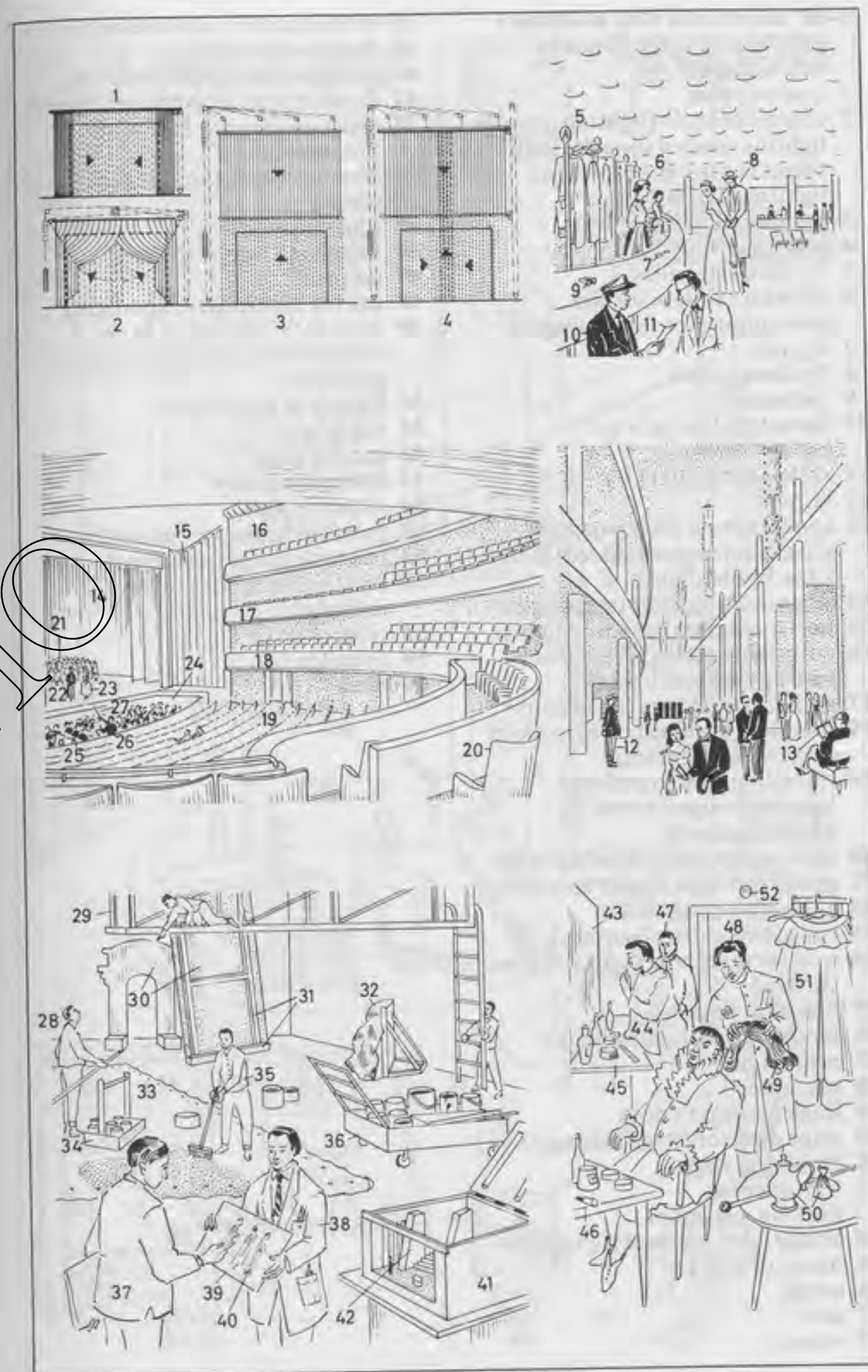


1-6 the five positions (ballet positions)

- 1 first position
- 2 second position
- 3 third position
- 4 fourth position [open]
- 5 fourth position [crossed; extended fifth position]
- 6 fifth position
- 7-10 ports de bras (arm positions)
- 7 port de bras à coté
- 8 port de bras en bas
- 9 port de bras en avant
- 10 port de bras en haut
- 11 dégagé à la quatrième devant
- 12 dégagé à la quatrième derrière
- 13 effacé
- 14 sur le cou-de-pied
- 15 écarté
- 16 croisé
- 17 attitude
- 18 arabesque
- 19 à pointe (on full point)
- 20 splits
- 21 cabriole (capriole)
- 22 entrechat (entrechat quatre)
- 23 préparation [e.g. for a pirouette]
- 24 pirouette
- 25 corps de ballet
- 26 ballet dancer (ballerina)
- 27-28 pas de trois
- 27 prima ballerina
- 28 principal male dancer (leading soloist)
- 29 tutu
- 30 point shoe, a ballet shoe (ballet slipper)
- 31 ballet skirt

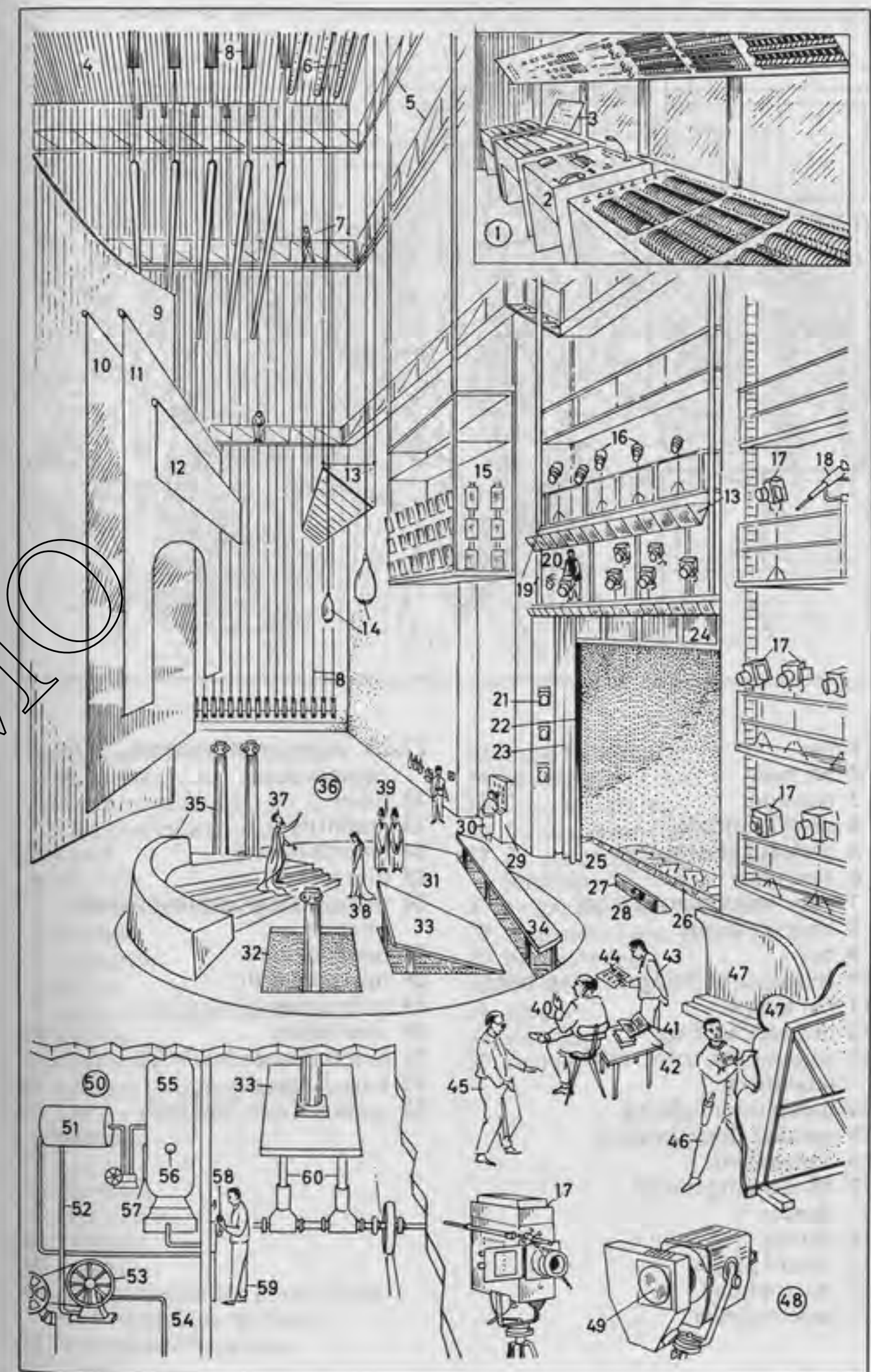
- 1-4 types of curtain operation
 1 draw curtain (side parting)
 2 tableau curtain (bunching up sideways)
 3 fly curtain (vertical ascent)
 4 combined fly and draw curtain
 5-11 cloakroom hall (Am. checkroom hall)
 5 cloakroom (Am. checkroom)
 6 cloakroom attendant (Am. checkroom attendant)
 7 cloakroom ticket (Am. check)
 8 playgoer (theatregoer, Am. theatergoer)
 9 opera glass (opera glasses)
 10 commissionaire
 11 theatre (Am. theater) ticket, an admission ticket
 12-13 foyer (lobby, crush room)
 12 usher; *form.*: box attendant
 13 programme (Am. program)
 14-27 auditorium and stage
 14 stage
 15 proscenium
 16-20 auditorium
 16 gallery (balcony)
 17 upper circle
 18 dress circle (Am. balcony, mezzanine)
 19 front stalls
 20 seat (theatre seat, Am. theater seat)
 21-27 rehearsal (stage rehearsal)
 21 chorus
 22 singer
 23 singer
 24 orchestra pit
 25 orchestra
 26 conductor
 27 baton (conductor's baton)
 28-42 paint room, a workshop
 28 stagehand (scene shifter)
 29 catwalk (bridge)
 30 set piece
 31 reinforcing struts
 32 built piece (built unit)
 33 backcloth (backdrop)
 34 portable box for paint containers
 35 scene painter
 36 paint trolley
 37 stage designer (set designer)
 38 costume designer
 39 design for a costume

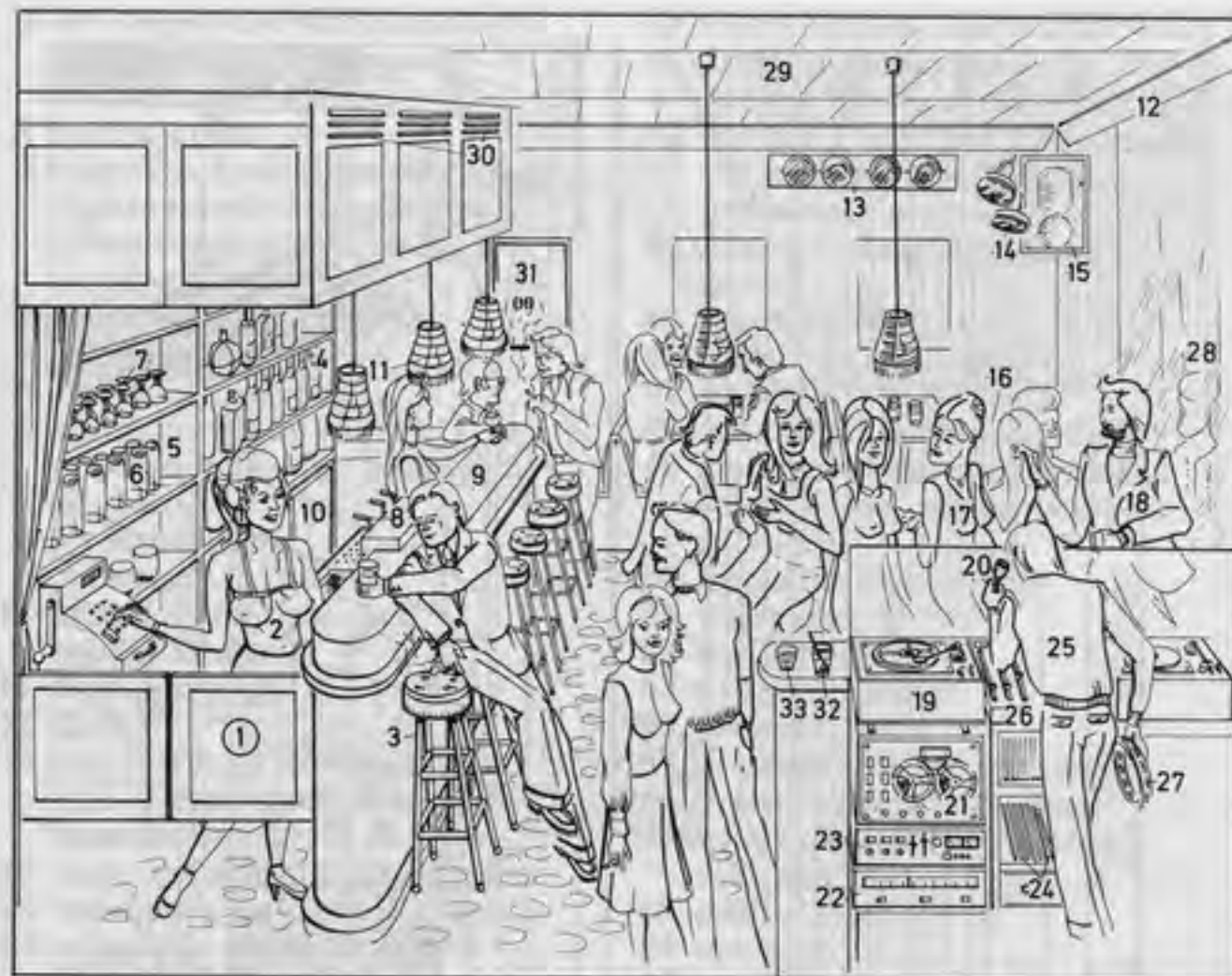
- 40 sketch for a costume
 41 model stage
 42 model of the set
 43-52 dressing room
 43 dressing room mirror
 44 make-up gown
 45 make-up table
 46 greasepaint stick
 47 chief make-up artist (chief make-up man)
 48 make-up artist (hairstylist)
 49 wig
 50 props (properties)
 51 theatrical costume
 52 call light



- 1-60 stagehouse with machinery
(machinery in the flies and below stage)
- 1 control room
 - 2 control console (lighting console, lighting control console) with preset control for presetting lighting effects
 - 3 lighting plot (light plot)
 - 4 grid (gridiron)
 - 5 fly floor (fly gallery)
 - 6 sprinkler system for fire prevention (for fire protection)
 - 7 fly man
 - 8 fly lines (lines)
 - 9 cyclorama
 - 10 backcloth (backdrop, background)
 - 11 arch, a drop cloth
 - 12 border
 - 13 compartment (compartment-type, compartmentalized) batten (Am. border light)
 - 14 stage lighting units (stage lights)
 - 15 horizon lights (backdrop lights)
 - 16 adjustable acting area lights (acting area spotlights)
 - 17 scenery projectors (projectors)
 - 18 monitor (water cannon) (a piece of safety equipment)
 - 19 travelling (Am. traveling) lighting bridge (travelling lighting gallery)
 - 20 lighting operator (lighting man)
 - 21 portal spotlight (tower spotlight)
 - 22 adjustable proscenium
 - 23 curtain (theatrical curtain)
 - 24 iron curtain (safety curtain, fire curtain)
 - 25 forestage (apron)
 - 26 footlight (footlights, floats)
 - 27 prompt box
 - 28 prompter
 - 29 stage manager's desk
 - 30 stage director (stage manager)
 - 31 revolving stage
 - 32 trap opening
 - 33 lift (Am. elevator)
 - 34 bridge (Am. elevator), a rostrum
 - 35 pieces of scenery
 - 36 scene
 - 37 actor
 - 38 actress

- 39 extras (supers, supernumeraries)
- 40 director (producer)
- 41 prompt book (prompt script)
- 42 director's table (producer's table)
- 43 assistant director (assistant producer)
- 44 director's script (producer's script)
- 45 stage carpenter
- 46 stagehand (scene shifter)
- 47 set piece
- 48 mirror spot (mirror spotlight)
- 49 automatic filter change (with colour filters, colour mediums, gelatines)
- 50 hydraulic plant room
- 51 water tank
- 52 suction pipe
- 53 hydraulic pump
- 54 pressure pipe
- 55 pressure tank (accumulator)
- 56 pressure gauge (Am. gage)
- 57 level indicator (liquid level indicator)
- 58 control lever
- 59 operator
- 60 rams





- | | |
|--|--|
| 1 bar | 22-23 stereo system (stereo equipment) |
| 2 barmaid | 22 tuner |
| 3 bar stool | 23 amplifier |
| 4 shelf for bottles | 24 records (discs) |
| 5 shelf for glasses | 25 disc jockey |
| 6 beer glass | 26 mixing console (mixing desk, mixer) |
| 7 wine and liqueur glasses | 27 tambourine |
| 8 beer tap (tap) | 28 mirrored wall |
| 9 bar | 29 ceiling tiles |
| 10 refrigerator (fridge, <i>Am.</i> icebox) | 30 ventilators |
| 11 bar lamps | 31 toilets (lavatories, WC) |
| 12 indirect lighting | 32 long drink |
| 13 colour (<i>Am.</i> color) organ (clavilux) | 33 cocktail (<i>Am.</i> highball) |
| 14 dance floor lighting | |
| 15 speaker (loudspeaker) | |
| 16 dance floor | |
| 17-18 dancing couple | |
| 17 dancer | |
| 18 dancer | |
| 19 record player | |
| 20 microphone | |
| 21 tape recorder | |



- | | |
|--|--|
| 1-33 nightclub (night spot) | 23 stage lighting |
| 1 cloakroom (<i>Am.</i> checkroom) | 24 spotlight |
| 2 cloakroom attendant (<i>Am.</i> checkroom attendant) | 25 festoon lighting |
| 3 band | 26 festoon lamp (lamp, light bulb) |
| 4 clarinet | 27-32 striptease act (striptease number) |
| 5 clarinetist (<i>Am.</i> clarinetist) | 27 striptease artist (stripper) |
| 6 trumpet | 28 suspender (<i>Am.</i> garter) |
| 7 trumpeter | 29 brassière (bra) |
| 8 guitar | 30 fur stole |
| 9 guitarist (guitar player) | 31 gloves |
| 10 drums | 32 stocking |
| 11 drummer | 33 hostess |
| 12 speaker (loudspeaker) | |
| 13 bar | |
| 14 barmaid | |
| 15 bar | |
| 16 bar stool | |
| 17 tape recorder | |
| 18 receiver | |
| 19 spirits | |
| 20 cine projector for porno films (sex films, blue movies) | |
| 21 box containing screen | |
| 22 stage | |

- 1-33 bullfight (corrida, corrida de toros)
- 1 mock bullfight
 - 2 novillero
 - 3 mock bull (dummy bull)
 - 4 novice banderillero (apprentice banderillero)
 - 5 bullring (plaza de toros) [diagram]
 - 6 main entrance
 - 7 boxes
 - 8 stands
 - 9 arena (ring)
 - 10 bullfighters' entrance
 - 11 torril door
 - 12 exit gate for killed bulls
 - 13 slaughterhouse
 - 14 bull pens (corrals)
 - 15 paddock
 - 16 lancer on horseback (picador)
 - 17 lance (pike pole, javelin)
 - 18 armoured (*Am.* armored) horse
 - 19 leg armour (*Am.* armor)
 - 20 picador's round hat
 - 21 banderillero, a torero
 - 22 banderillas (barbed darts)
 - 23 shirtwaist
 - 24 bullfight
 - 25 matador (swordsman), a torero
 - 26 queue, a distinguishing mark of the matador
 - 27 red cloak (capa)
 - 28 fighting bull
 - 29 montera [hat made of tiny black silk chenille balls]
 - 30 killing the bull (kill)
 - 31 matador in charity performances [without professional uniform]
 - 32 estoque (sword)
 - 33 muleta
 - 34 rodeo
 - 35 young bull
 - 36 cowboy
 - 37 stetson (stetson hat)
 - 38 scarf (necktie)
 - 39 rodeo rider
 - 40 lasso



- 1-2 medieval (mediaeval) notes
- 1 plainsong notation (neumes, neums, pneumes, square notation)
- 2 mensural notation
- 3-7 musical note (note)
- 3 note head
- 4 note stem (note tail)
- 5 hook
- 6 stroke
- 7 dot indicating augmentation of note's value
- 8-11 clefs
- 8 treble clef (G-clef, violin clef)
- 9 bass clef (F-clef)
- 10 alto clef (C-clef)
- 11 tenor clef
- 12-19 note values
- 12 breve (brevis, *Am.* double-whole note)
- 13 semibreve (*Am.* whole note)
- 14 minim (*Am.* half note)
- 15 crotchet (*Am.* quarter note)
- 16 quaver (*Am.* eighth note)
- 17 semiquaver (*Am.* sixteenth note)
- 18 demisemiquaver (*Am.* thirty-second note)
- 19 hemidemisemiquaver (*Am.* sixty-fourth note)
- 20-27 rests
- 20 breve rest
- 21 semibreve rest (*Am.* whole rest)
- 22 minim rest (*Am.* half rest)
- 23 crotchet rest (*Am.* quarter rest)
- 24 quaver rest (*Am.* eighth rest)
- 25 semiquaver rest (*Am.* sixteenth rest)
- 26 demisemiquaver rest (*Am.* thirty-second rest)
- 27 hemidemisemiquaver rest (*Am.* sixty-fourth rest)
- 28-42 time (time signatures, measure, *Am.* meter)
- 28 two-eight time
- 29 two-four time
- 30 two-two time
- 31 four-eight time
- 32 four-four time (common time)
- 33 four-two time
- 34 six-eight time
- 35 six-four time
- 36 three-eight time
- 37 three-four time

- 38 three-two time
- 39 nine-eight time
- 40 nine-four time
- 41 five-four time
- 42 bar (bar line, measure line)
- 43-44 staff (stave)
- 43 line of the staff
- 44 space
- 45-49 scales
- 45 C major scale naturals: c, d, e, f, g, a, b, c
- 46 A minor scale [natural] naturals: a, b, c, d, e, f, g, a
- 47 A minor scale [harmonic]
- 48 A minor scale [melodic]
- 49 chromatic scale
- 50-54 accidentals (inflections, key signatures)
- 50-51 signs indicating the raising of a note
- 50 sharp (raising the note a semitone or half-step)
- 51 double sharp (raising the note a tone or full-step)
- 52-53 signs indicating the lowering of a note
- 52 flat (lowering the note a semitone or half-step)
- 53 double flat (lowering the note a tone or full-step)
- 54 natural
- 55-68 keys (major keys and the related minor keys having the same signature)
- 55 C major (A minor)
- 56 G major (E minor)
- 57 D major (B minor)
- 58 A major (F sharp minor)
- 59 E major (C sharp minor)
- 60 B major (G sharp minor)
- 61 F sharp major (D sharp minor)
- 62 C major (A minor)
- 63 F major (D minor)
- 64 B flat major (G minor)
- 65 E flat major (C minor)
- 66 A flat major (F minor)
- 67 D flat major (B flat minor)
- 68 G flat major (E flat minor)

The right page of the book contains musical notation examples. At the top, there are three staves of plainsong notation (neumes) on a four-line staff. The first staff is labeled '1' and 'Magni - fi - cat'. The second staff is labeled '2' and 'Nu kom der heidē Heiland,'. The third staff is labeled '3' and '5 6 7'. Below these are several staves of modern musical notation. The first staff is a bass clef staff with a 3/8 time signature, labeled with measure numbers 8 through 27. The second staff is a treble clef staff with a 2/4 time signature, labeled with measure numbers 28 through 41. The third staff is a treble clef staff with a 2/4 time signature, labeled with measure numbers 42 through 44. The fourth staff is a treble clef staff with a 2/4 time signature, labeled with measure numbers 45 through 47. The fifth staff is a treble clef staff with a 2/4 time signature, labeled with measure numbers 48 through 49. The sixth staff shows five key signatures: 50 (one sharp), 51 (one natural), 52 (one flat), 53 (two flats), and 54 (one sharp). The seventh staff shows six key signatures: 55 (two sharps), 56 (two sharps), 57 (two sharps), 58 (two sharps), 59 (two sharps), and 60 (two sharps). The eighth staff shows six key signatures: 61 (two sharps), 62 (two sharps), 63 (two sharps), 64 (two sharps), 65 (two sharps), and 66 (two sharps). The ninth staff shows six key signatures: 67 (two sharps), 68 (two sharps), 69 (two sharps), 70 (two sharps), 71 (two sharps), and 72 (two sharps).

- 1-5 chord
- 1-4 triad
- 1 major triad
- 2 minor triad
- 3 diminished triad
- 4 augmented triad
- 5 chord of four notes, a chord of the seventh (seventh chord, dominant seventh chord)
- 6-13 intervals
- 6 unison (unison interval)
- 7 major second
- 8 major third
- 9 perfect fourth
- 10 perfect fifth
- 11 major sixth
- 12 major seventh
- 13 perfect octave
- 14-22 ornaments (graces, grace notes)
- 14 long appoggiatura
- 15 acciaccatura (short appoggiatura)
- 16 slide
- 17 trill (shake) without turn
- 18 trill (shake) with turn
- 19 upper mordent (inverted mordent, pralltriller)
- 20 lower mordent (mordent)
- 21 turn
- 22 arpeggio
- 23-26 other signs in musical notation
- 23 triplet; corresponding groupings: duplet (couplet), quadruplet, quintuplet, sextolet (sextuplet), septolet (septuplet, septimole)
- 24 tie (bind)
- 25 pause (pause sign)
- 26 repeat mark
- 27-41 expression marks (signs of relative intensity)
- 27 marcato (marcando, markiert, attack, strong accent)
- 28 presto (quick, fast)
- 29 portato (lourer, mezzo staccato, carried)
- 30 tenuto (held)
- 31 crescendo (increasing gradually in power)
- 32 decrescendo (diminuendo, decreasing or diminishing gradually in power)

- 33 legato (bound)
- 34 staccato (detached)
- 35 piano (soft)
- 36 pianissimo (very soft)
- 37 pianissimo piano (as soft as possible)
- 38 forte (loud)
- 39 fortissimo (very loud)
- 40 forte fortissimo (double fortissimo, as loud as possible)
- 41 forte piano (loud and immediately soft again)
- 42-50 divisions of the compass
- 42 subcontra octave (double contra octave)
- 43 contra octave
- 44 great octave
- 45 small octave
- 46 one-line octave
- 47 two-line octave
- 48 three-line octave
- 49 four-line octave
- 50 five-line octave

1 2 3 4 5 6 7 8 9 10 11 12 13

14 15 16 17 18 19 20 21

22 23 24 25 26

28 Presto

29 30 31 32 33 34

p *pp* *ppp* *f* *ff* *fff* *fp*

35 36 37 38 39 40 41

42 43 44 45 46 47 48 49 50

8va sopra

8va bassa

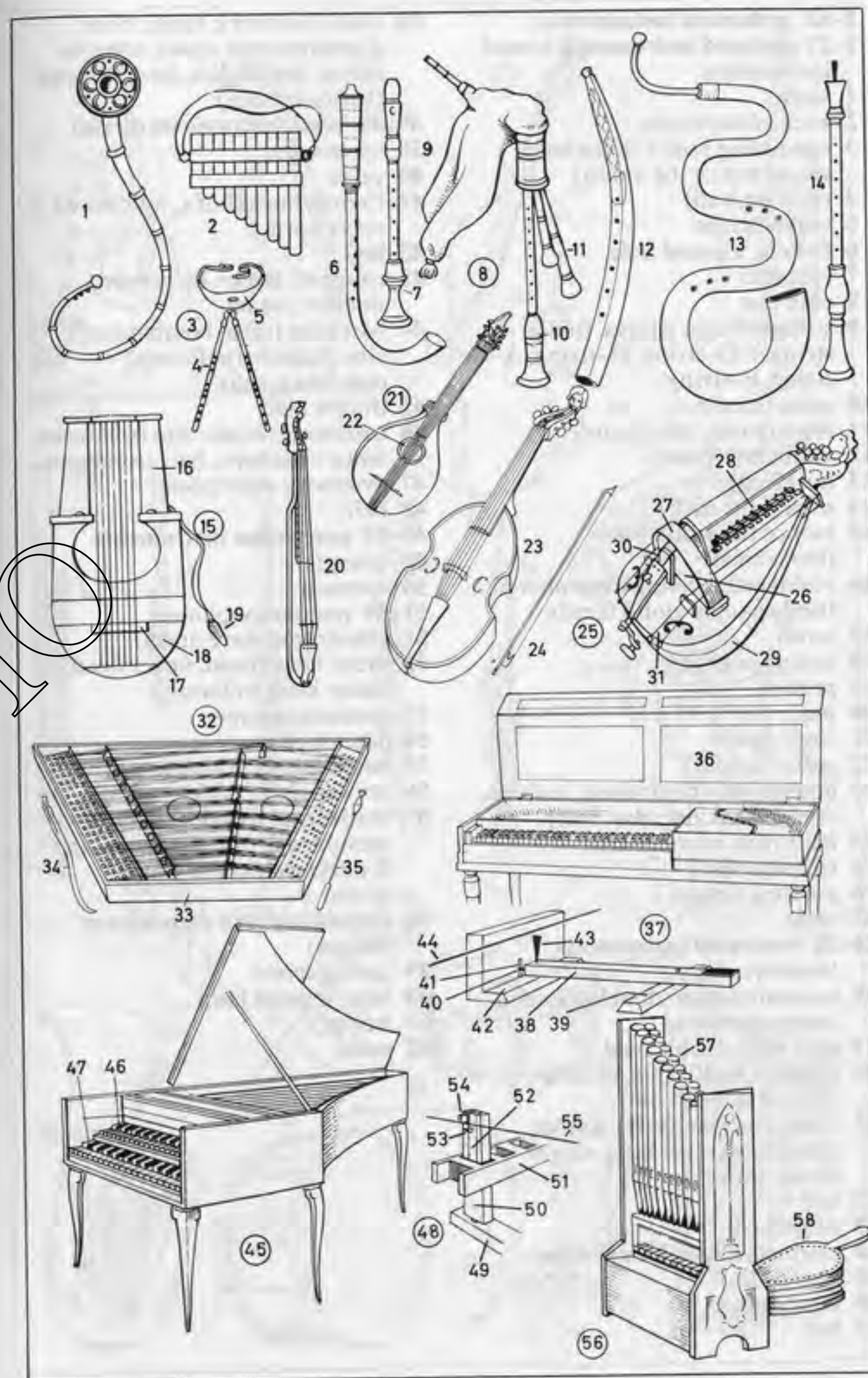
${}^2A_2 B_2 H_1 C$ usw
in Britain:
 $A_2 B_{\flat 2} B_2 C_1$ etc.

${}^1H C H c h c^1 h^1 c^2 h^2 c^3 h^3 c^4 h^4 c^5$

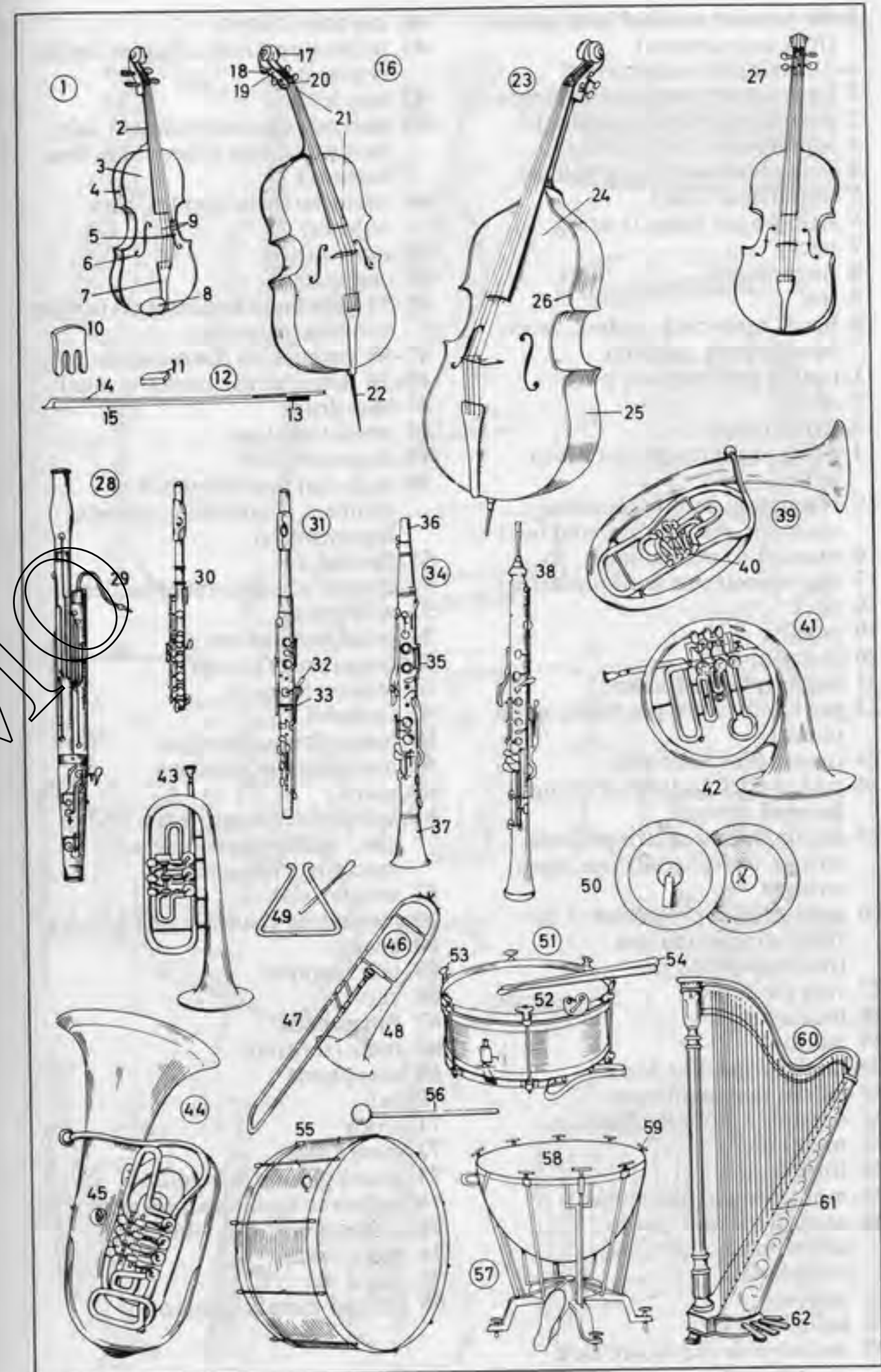
$B_1 C B c b c' b' c'' b' c'' b' c'' b' c''$

- 1 lur, a bronze trumpet
- 2 panpipes (Pandean pipes, syrinx)
- 3 aulos, a double shawm
- 4 aulos pipe
- 5 phorbeia (peristomion, capistrum, mouth band)
- 6 crumhorn (crumhorn, cromorne, krumhorn, krummhorn)
- 7 recorder (fipple flute)
- 8 bagpipe; *sim.*: musette
- 9 bag
- 10 chanter (melody pipe)
- 11 drone (drone pipe)
- 12 curved cornett (zink)
- 13 serpent
- 14 shawm (schalmeyes); *larger*: bombard (bombarde, pommer)
- 15 cythara (cithara); *sim. and smaller*: lyre
- 16 arm
- 17 bridge
- 18 sound box (resonating chamber, resonator)
- 19 plectrum, a plucking device
- 20 kit (pochette), a miniature violin
- 21 cittern (cithern, cither, cister, citole), a plucked instrument; *sim.*: pandora (bandora, bandore)
- 22 sound hole
- 23 viol (descant viol, treble viol), a viola da gamba; *larger*: tenor viol, bass viol (viola da gamba, gamba), violone (double bass viol)
- 24 viol bow
- 25 hurdy-gurdy (vielle à roue, symphonia, armonie, organistrum)
- 26 friction wheel
- 27 wheel cover (wheel guard)
- 28 keyboard (keys)
- 29 resonating body (resonator, sound box)
- 30 melody strings
- 31 drone strings (drones, bourdons)
- 32 dulcimer
- 33 rib (resonator wall)
- 34 beater for the Valasian dulcimer
- 35 hammer (stick) for the Appenzell dulcimer

- 36 clavichord; *kinds*: fretted or unfretted clavichord
- 37 clavichord mechanism
- 38 key (key lever)
- 39 balance rail
- 40 guiding blade
- 41 guiding slot
- 42 resting rail
- 43 tangent
- 44 string
- 45 harpsichord (clavicembalo, cembalo), a wing-shaped stringed keyboard instrument; *sim.*: spinet (virginal)
- 46 upper keyboard (upper manual)
- 47 lower keyboard (lower manual)
- 48 harpsichord mechanism
- 49 key (key lever)
- 50 jack
- 51 slide (register)
- 52 tongue
- 53 quill plectrum
- 54 damper
- 55 string
- 56 portative organ, a portable organ; *larger*: positive organ (positive)
- 57 pipe (flue pipe)
- 58 bellows



- 1-62 orchestral instruments**
1-27 stringed instruments, bowed instruments
 1 violin
 2 neck of the violin
 3 resonating body (violin body, sound box of the violin)
 4 rib (side wall)
 5 violin bridge
 6 F-hole, a sound hole
 7 tailpiece
 8 chin rest
 9 strings (violin strings, fiddle strings): G-string, D-string, A-string, E-string
 10 mute (sordino)
 11 resin (rosin, colophony)
 12 violin bow (bow)
 13 nut (frog)
 14 stick (bow stick)
 15 hair of the violin bow (horsehair)
 16 violoncello (cello), a member of the da gamba violin family
 17 scroll
 18 tuning peg (peg)
 19 pegbox
 20 nut
 21 fingerboard
 22 spike (tailpin)
 23 double bass (contrabass, violone, double bass viol, *Am.* bass)
 24 belly (top, soundboard)
 25 rib (side wall)
 26 purfling (inlay)
 27 viola
28-38 woodwind instruments (woodwinds)
 28 bassoon; *larger*: double bassoon (contrabassoon)
 29 tube with double reed
 30 piccolo (small flute, piccolo flute, flauto piccolo)
 31 flute (German flute), a cross flute (transverse flute, side-blown flute)
 32 key
 33 fingerhole
 34 clarinet; *larger*: bass clarinet
 35 key (brille)
 36 mouthpiece
 37 bell
 38 oboe (hautboy); *kinds*: oboe d'amore; tenor oboes: oboe da caccia, cor anglais; heckelphone (baritone oboe)
39-48 brass instruments (brass)
 39 tenor horn
 40 valve
 41 French horn (horn, waldhorn), a valve horn
 42 bell
 43 trumpet; *larger*: B \flat cornet; *smaller*: cornet
 44 bass tuba (tuba, bombardon); *sim.*: helicon (pellitone), contrabass tuba
 45 thumb hold
 46 trombone; *kinds*: alto trombone, tenor trombone, bass trombone
 47 trombone slide (slide)
 48 bell
49-59 percussion instruments
 49 triangle
 50 cymbals
51-59 membranophones
 51 side drum (snare drum)
 52 drum head (head, upper head, batter head, vellum)
 53 tensioning screw
 54 drumstick
 55 bass drum (Turkish drum)
 56 stick (padded stick)
 57 kettledrum (timpano), a screw-tensioned drum; *sim.*: machine drum (mechanically tuned drum)
 58 kettledrum skin (kettledrum vellum)
 59 tuning screw
 60 harp, a pedal harp
 61 strings
 62 pedal

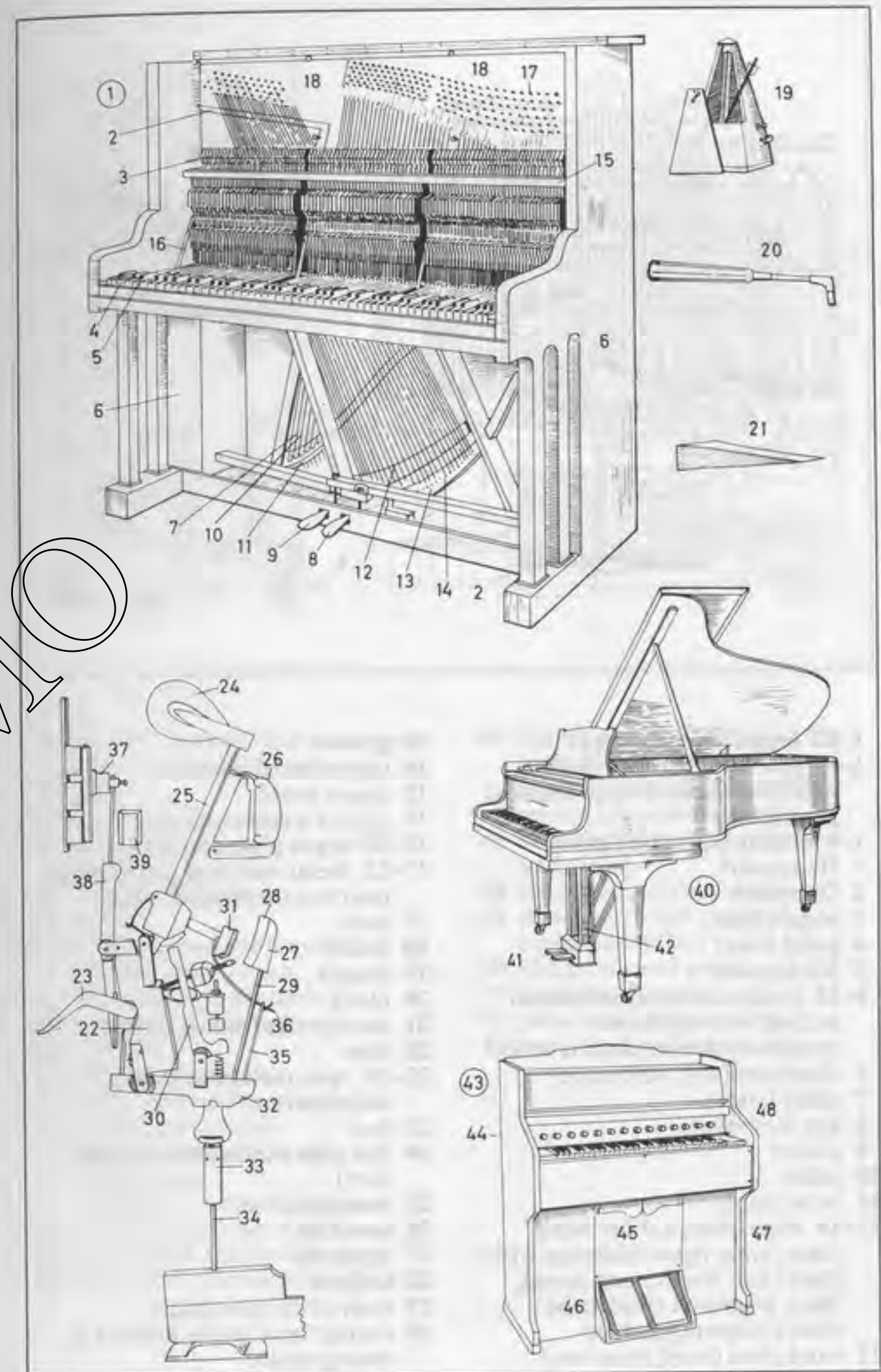


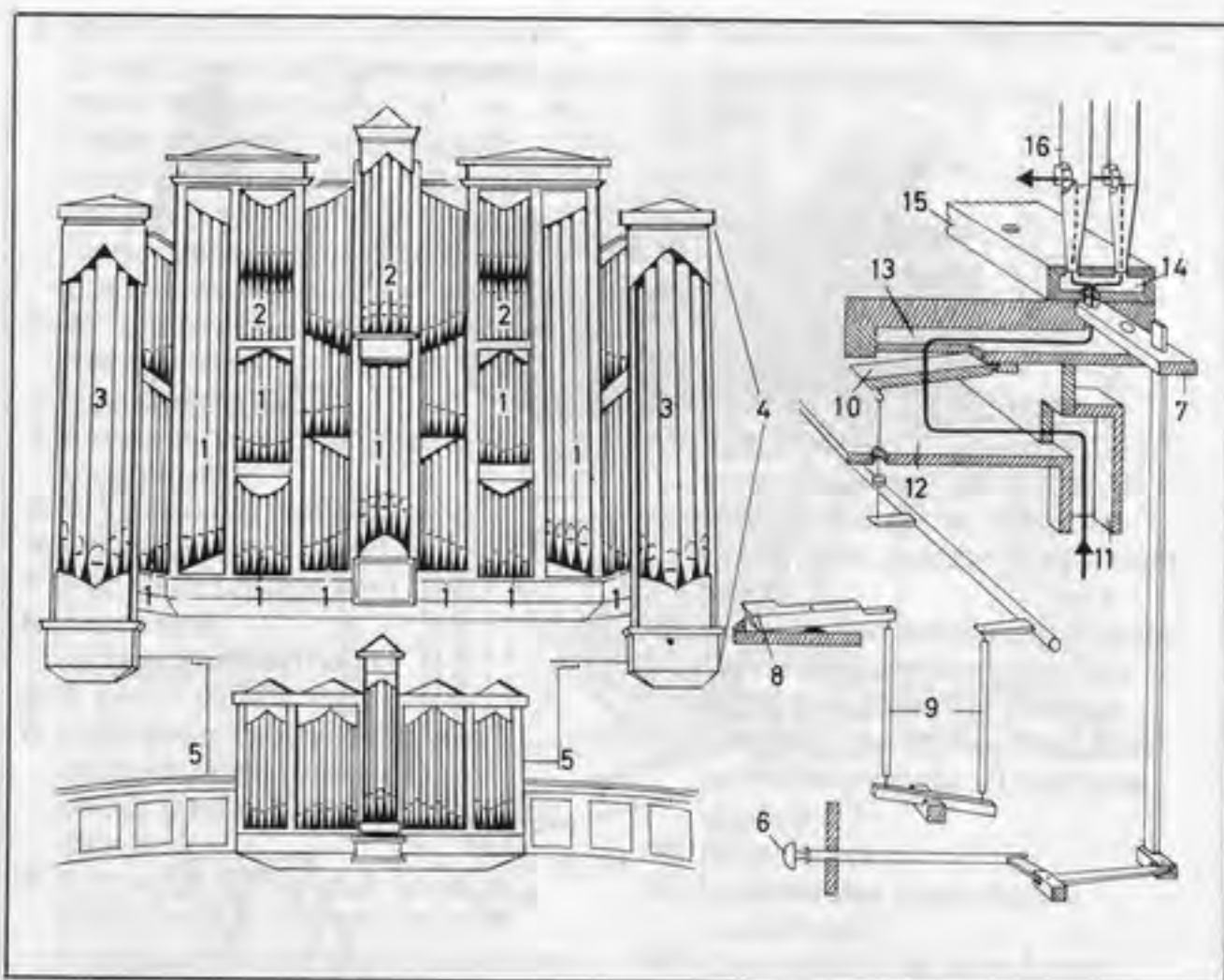
- 1-46 popular musical instruments (folk instruments)
 1-31 stringed instruments
 1 lute; *larger*: theorbo, chitarraone
 2 resonating body (resonator)
 3 soundboard (belly, table)
 4 string fastener (string holder)
 5 sound hole (rose)
 6 string, a gut (catgut) string
 7 neck
 8 fingerboard
 9 fret
 10 head (bent-back pegbox, swan-head pegbox, pegbox)
 11 tuning peg (peg, lute pin)
 12 guitar
 13 string holder
 14 string, a gut (catgut) or nylon string
 15 resonating body (resonating chamber, resonator, sound box)
 16 mandolin (mandoline)
 17 sleeve protector (cuff protector)
 18 neck
 19 pegdisc
 20 plectrum
 21 zither (plucked zither)
 22 pin block (wrest pin block, wrest plank)
 23 tuning pin (wrest pin)
 24 melody strings (fretted strings, stopped strings)
 25 accompaniment strings (bass strings, unfretted strings, open strings)
 26 semicircular projection of the resonating sound box (resonating body)
 27 ring plectrum
 28 balalaika
 29 banjo
 30 tambourine-like body
 31 parchment membrane
 32 ocarina, a globular flute
 33 mouthpiece
 34 fingerhole
 35 mouth organ (harmonica)
 36 accordion; *sim.*: piano accordion, concertina, bandoneon
 37 bellows
 38 bellows strap
 39 melody side (keyboard side, melody keys)

- 40 keyboard (keys)
 41 treble stop (treble coupler, treble register)
 42 stop lever
 43 bass side (accompaniment side, bass studs, bass press-studs, bass buttons)
 44 bass stop (bass coupler, bass register)
 45 tambourine
 46 castanets
 47-78 jazz band instruments (dance band instruments)
 47-58 percussion instruments
 47-54 drum kit (drum set, drums)
 47 bass drum
 48 small tom-tom
 49 large tom-tom
 50 high-hat cymbals (choke cymbals, Charleston cymbals, cup cymbals)
 51 cymbal
 52 cymbal stand (cymbal holder)
 53 wire brush
 54 pedal mechanism
 55 conga drum (conga)
 56 tension hoop
 57 timbales
 58 bongo drums (bongos)
 59 maracas; *sim.*: shakers
 60 guiro
 61 xylophone; *form.*: straw fiddle; *sim.*: marimbaphone (steel marimba), tubaphone
 62 wooden slab
 63 resonating chamber (sound box)
 64 beater
 65 jazz trumpet
 66 valve
 67 finger hook
 68 mute (sordino)
 69 saxophone
 70 bell
 71 crook
 72 mouthpiece
 73 struck guitar (jazz guitar)
 74 hollow to facilitate fingering
 75 vibraphone (*Am.* vibraharp)
 76 metal frame
 77 metal bar
 78 tubular metal resonator

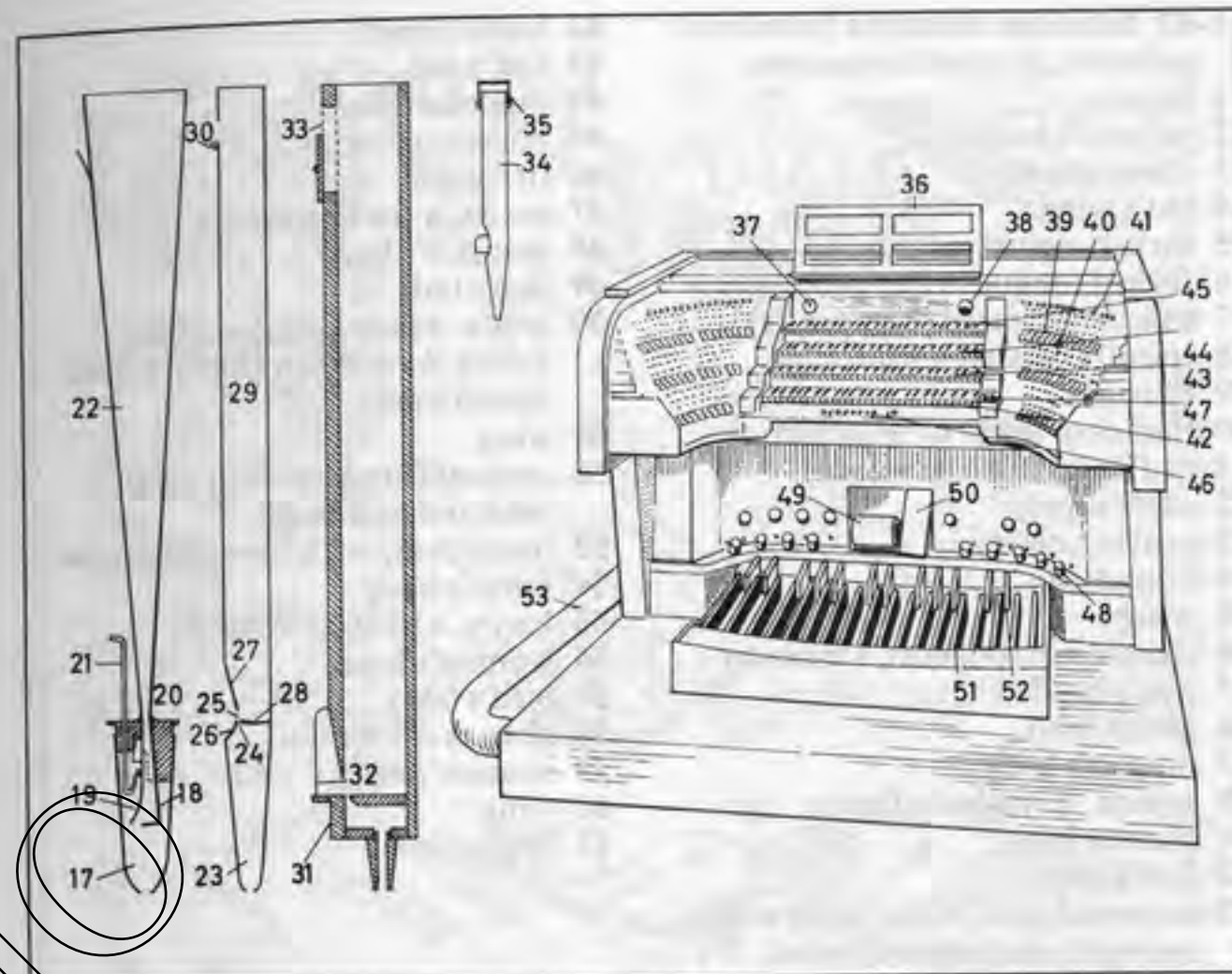


- 1 piano (pianoforte, upright piano, upright, vertical piano, spinet piano, console piano), a keyboard instrument (keyed instrument); *smaller form*: cottage piano (pianino); *earlier forms*: pantaleon, celesta, with steel bars instead of strings
- 2-18 piano action (piano mechanism)
- 2 iron frame
- 3 hammer; *collectively*: striking mechanism
- 4-5 keyboard (piano keys)
- 4 white key (ivory key)
- 5 black key (ebony key)
- 6 piano case
- 7 strings (piano strings)
- 8-9 piano pedals
- 8 right pedal (sustaining pedal, damper pedal; *loosely*: forte pedal, loud pedal) for raising the dampers
- 9 left pedal (soft pedal; *loosely*: piano pedal) for reducing the striking distance of the hammers on the strings
- 10 treble strings
- 11 treble bridge (treble belly bridge)
- 12 bass strings
- 13 bass bridge (bass belly bridge)
- 14 hitch pin
- 15 hammer rail
- 16 brace
- 17 tuning pin (wrest pin, tuning peg)
- 18 pin block (wrest pin block, wrest plank)
- 19 metronome
- 20 tuning hammer (tuning key, wrest)
- 21 tuning wedge
- 22-39 key action (key mechanism)
- 22 beam
- 23 damper-lifting lever
- 24 felt-covered hammer head
- 25 hammer shank
- 26 hammer rail
- 27 check (back check)
- 28 check felt (back check felt)
- 29 wire stem of the check (wire stem of the back check)
- 30 sticker (hopper, hammer jack, hammer lever)
- 31 button
- 32 action lever
- 33 pilot
- 34 pilot wire
- 35 tape wire
- 36 tape
- 37 damper (damper block)
- 38 damper lifter
- 39 damper rest rail
- 40 grand piano (horizontal piano, grand, concert grand); *smaller*: baby grand piano, boudoir piano; *sim.*: square piano, table piano
- 41 grand piano pedals; right pedal for raising the dampers; left pedal for softening the tone (shifting the keyboard so that only one string is struck 'una corda')
- 42 pedal bracket
- 43 harmonium (reed organ, melodium)
- 44 draw stop (stop, stop knob)
- 45 knee lever (knee swell, swell)
- 46 pedal (bellows pedal)
- 47 harmonium case
- 48 harmonium keyboard (manual)





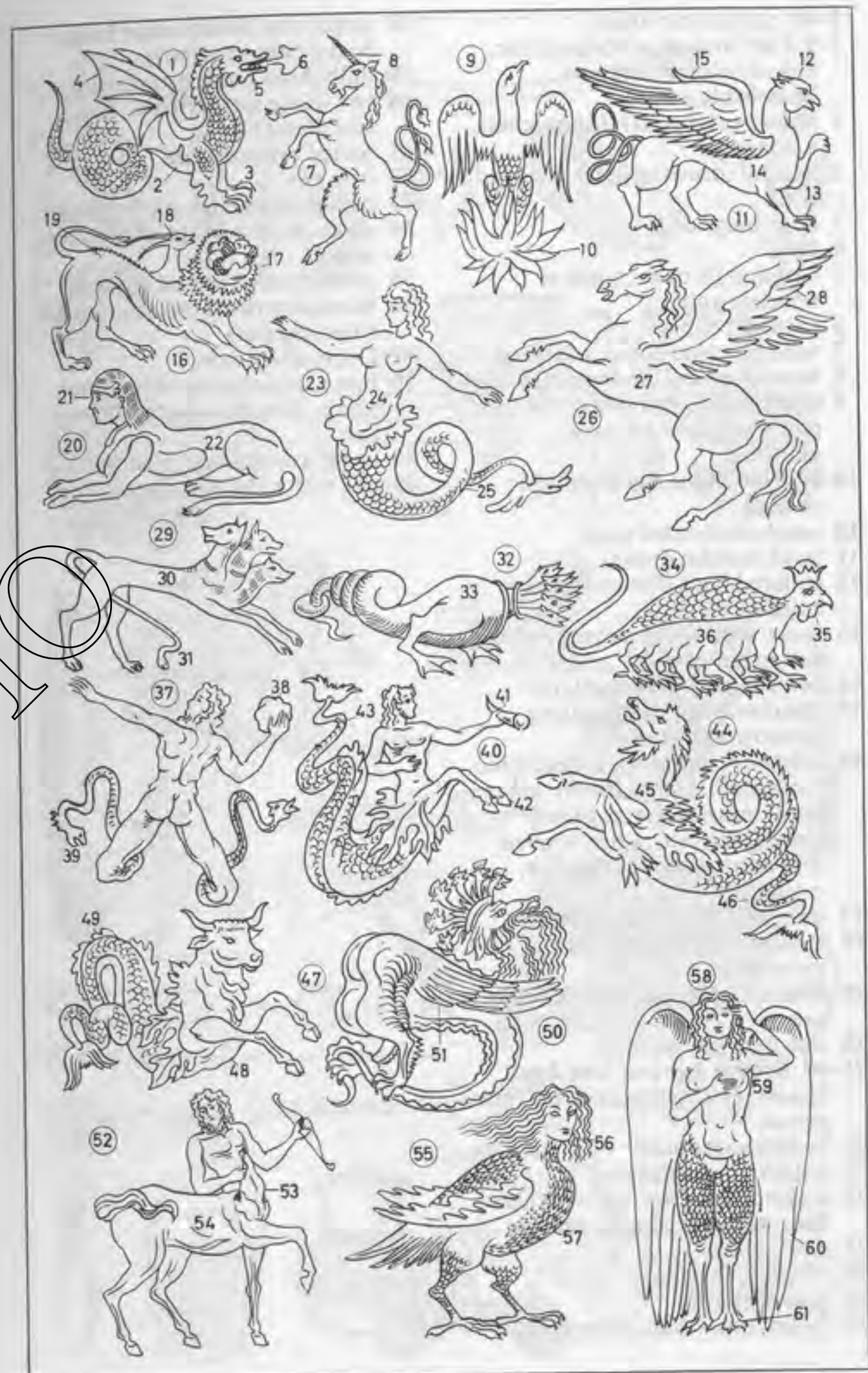
- 1-52 organ (church organ)**
1-5 front view of organ (organ case) [built according to classical principles]
1-3 display pipes (face pipes)
1 Hauptwerk
2 Oberwerk
3 pedal pipes
4 pedal tower
5 Rückpositiv
6-16 tracker action (mechanical action); *other systems:* pneumatic action, electric action
6 draw stop (stop, stop knob)
7 slider (slide)
8 key (key lever)
9 sticker
10 pallet
11 wind trunk
12-14 wind chest, a slider wind chest; *other types:* sliderless wind chest (unit wind chest), spring chest, kegellade chest (cone chest), diaphragm chest
12 wind chest (wind chest box)
13 groove
14 upper board groove
15 upper board
16 pipe of a particular stop
17-35 organ pipes (pipes)
17-22 metal reed pipe (*set of pipes:* reed stop), a posaune stop
17 boot
18 shallot
19 tongue
20 block
21 tuning wire (tuning crook)
22 tube
23-30 open metal flue pipe, a salicional
23 foot
24 flue pipe windway (flue pipe duct)
25 mouth (cutup)
26 lower lip
27 upper lip
28 languid
29 body of the pipe (pipe)
30 tuning flap (tuning tongue), a tuning device



- 31-33** open wooden flue pipe (open wood), principal (diapason)
31 cap
32 ear
33 tuning hole (tuning slot), with slide
34 stopped flue pipe
35 stopper
36-52 organ console (console) of an electric action organ
36 music rest (music stand)
37 crescendo roller indicator
38 voltmeter
39 stop tab (rocker)
40 free combination stud (free combination knob)
41 cancel buttons for reeds, couplers etc.
42 manual I, for the Rückpositiv
43 manual II, for the Hauptwerk
44 manual III, for the Oberwerk
45 manual IV, for the Schwellwerk
46 thumb pistons controlling the manual stops (free or fixed combinations) and buttons for setting the combinations
47 switches for current to blower and action
48 toe piston, for the coupler
49 crescendo roller (general crescendo roller)
50 balanced swell pedal
51 pedal key [natural]
52 pedal key [sharp or flat]
53 cable (transmission cable)

- 1-61 fabulous creatures (fabulous animals), mythical creatures
- 1 dragon
 - 2 serpent's body
 - 3 claws (claw)
 - 4 bat's wing
 - 5 fork-tongued mouth
 - 6 forked tongue
 - 7 unicorn [symbol of virginity]
 - 8 spirally twisted horn
 - 9 Phoenix
 - 10 flames or ashes of resurrection
 - 11 griffin (griffon, gryphon)
 - 12 eagle's head
 - 13 griffin's claws
 - 14 lion's body
 - 15 wing
 - 16 chimera (chimaera), a monster
 - 17 lion's head
 - 18 goat's head
 - 19 dragon's body
 - 20 sphinx, a symbolic figure
 - 21 human head
 - 22 lion's body
 - 23 mermaid (nix, nixie, water nixie, sea maid, sea maiden, naiad, water nymph, water elf, ocean nymph, sea nymph, river nymph); *sim.*: Nereids, Oceanids (sea divinities, sea deities, sea goddesses); *male*: nix (merman, seaman)
 - 24 woman's trunk
 - 25 fish's tail (dolphin's tail)
 - 26 Pegasus (favourite, *Am.* favorite, steed of the Muses, winged horse); *sim.*: hippogryph
 - 27 horse's body
 - 28 wings
 - 29 Cerberus (hellhound)
 - 30 three-headed dog's body
 - 31 serpent's tail
 - 32 Lernaean (Lernean) Hydra
 - 33 nine-headed serpent's body
 - 34 basilisk (cockatrice)
 - 35 cock's head
 - 36 dragon's body
 - 37 giant (titan)
 - 38 rock
 - 39 serpent's foot
 - 40 triton, a merman (demigod of the sea)
 - 41 conch shell trumpet

- 42 horse's hoof
- 43 fish's tail
- 44 hippocampus
- 45 horse's trunk
- 46 fish's tail
- 47 sea ox, a sea monster
- 48 monster's body
- 49 fish's tail
- 50 seven-headed dragon of St. John's Revelation (Revelations, Apocalypse)
- 51 wing
- 52 centaur (hippocentaur), half man and half beast
- 53 man's body with bow and arrow
- 54 horse's body
- 55 harpy, a winged monster
- 56 woman's head
- 57 bird's body
- 58 siren, a daemon
- 59 woman's body
- 60 wing
- 61 bird's claw

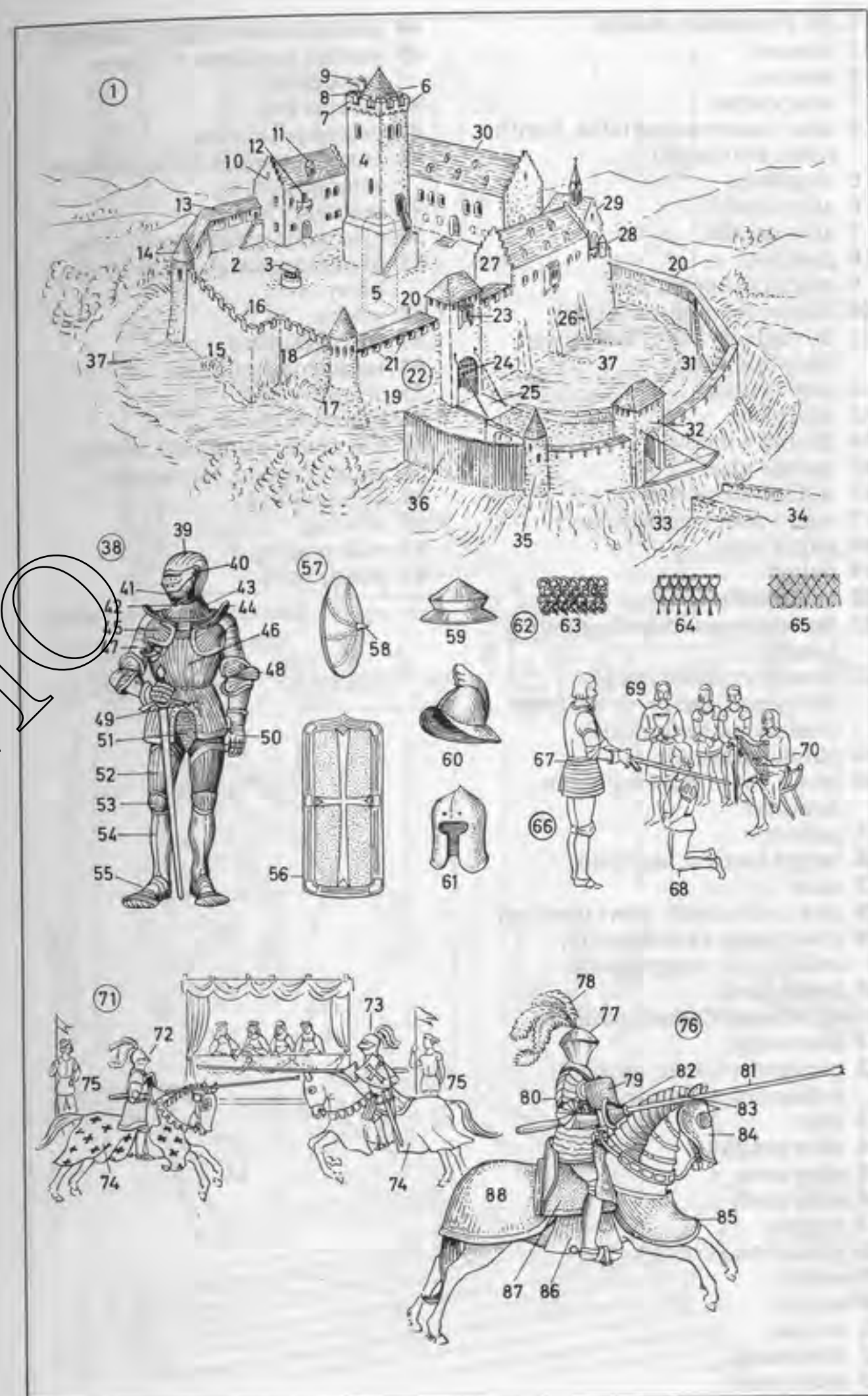


- 1-40 prehistoric finds
1-9 Old Stone Age (Palaeolithic, Paleolithic, period) and Mesolithic period
 1 hand axe (*Am. ax*) (fist hatchet), a stone tool
 2 head of throwing spear, made of bone
 3 bone harpoon
 4 head
 5 harpoon thrower, made of reindeer antler
 6 painted pebble
 7 head of a wild horse, a carving
 8 Stone Age idol, an ivory statuette
 9 bison, a cave painting (rock painting) [cave art, cave painting]
10-20 New Stone Age (Neolithic period)
 10 amphora [corded ware]
 11 bowl [menhir group]
 12 collared flask [Funnel-Beaker culture]
 13 vessel with spiral pattern [spiral design pottery]
 14 bell beaker [beaker pottery]
 15 pile dwelling (lake dwelling, lacustrine dwelling)
 16 dolmen (cromlech), a megalithic tomb (*coll.*: giant's tomb); *other kinds*: passage grave, gallery grave (long cist); *when covered with earth*: tumulus (barrow, mound)
 17 stone cist, a contracted burial
 18 menhir (standing stone), a monolith
 19 boat axe (*Am. ax*), a stone battle axe
 20 clay figurine (an idol)
21-40 Bronze Age and Iron Age;
epochs: Hallstatt period, La Tène period
 21 bronze spear head
 22 hafted bronze dagger
 23 socketed axe (*Am. ax*) with haft fastened to rings, a bronze axe
 24 girdle clasp
 25 necklace (lunula)
 26 gold neck ring
 27 violin-bow fibula (safety pin)

- 28 serpentine fibula; *other kinds*: boat fibula, arc fibula
 29 bulb-head pin, a bronze pin
 30 two-piece spiral fibula; *sim.*: disc (disk) fibula
 31 hafted bronze knife
 32 iron key
 33 ploughshare (*Am. plowshare*)
 34 sheet-bronze situla, a funerary vessel
 35 pitcher [chip-carved pottery]
 36 miniature ritual cart (miniature ritual chariot)
 37 Celtic silver coin
 38 face urn, a cinerary urn; *other kinds*: domestic urn, embossed urn
 39 urn grave in stone chamber
 40 urn with cylindrical neck



- 1 knight's castle (castle)
 2 inner ward (inner bailey)
 3 draw well
 4 keep (donjon)
 5 dungeon
 6 battlements (crenellation)
 7 merlon
 8 tower platform
 9 watchman
 10 ladies' apartments (bowers)
 11 dormer window (dormer)
 12 balcony
 13 storehouse (magazine)
 14 angle tower
 15 curtain wall (curtains, enclosure wall)
 16 bastion
 17 angle tower
 18 crenel (embrasure)
 19 inner wall
 20 battlemented parapet
 21 parapet (breastwork)
 22 gatehouse
 23 machicolation (machicoulis)
 24 portcullis
 25 drawbridge
 26 buttress
 27 offices and service rooms
 28 turret
 29 chapel
 30 great hall
 31 outer ward (outer bailey)
 32 castle gate
 33 moat (ditch)
 34 approach
 35 watchtower (turret)
 36 palisade (pallisade, palisading)
 37 moat (ditch, fosse)
 38-65 knight's armour (*Am. armor*)
 38 suit of armour (*Am. armor*)
 39 skull
 40 visor (vizor)
 41 beaver
 42 throat piece
 43 gorget
 44 epaulière
 45 palette (pauldron, besageur)
 46 breastplate (cuirass)
 47 brassard (rear brace and vambrace)
 48 cubitière (coudière, couter)
 49 tasse (tasset)
 50 gauntlet
 51 habergeon (haubergeon)
 52 cuisse (cuish, cuissard, cuissart)
 53 knee cap (knee piece, genouillère, poleyn)
 54 jambeau (greave)
 55 solleret (sabaton, sabbaton)
 56 pavis (pavise, pavais)
 57 buckler (round shield)
 58 boss (umbo)
 59 iron hat
 60 morion
 61 light casque
 62 types of mail and armour (*Am. armor*)
 63 mail (chain mail, chain armour, *Am. armor*)
 64 scale armour (*Am. armor*)
 65 plate armour (*Am. armor*)
 66 accolade (dubbing, knighting)
 67 liege lord, a knight
 68 esquire
 69 cup bearer
 70 minstrel (minnesinger, troubadour)
 71 tournament (tourney, joust, just, tilt)
 72 crusader
 73 Knight Templar
 74 caparison (trappings)
 75 herald (marshal at tournament)
 76 tilting armour (*Am. armor*)
 77 tilting helmet (jousting helmet)
 78 panache (plume of feathers)
 79 tilting target (tilting shield)
 80 lance rest
 81 tilting lance (lance)
 82 vamplate
 83-88 horse armour (*Am. armor*)
 83 neck guard (neck piece)
 84 chamfron (chaffron, chafron, chamfrain, chanfron)
 85 poitrel
 86 flanchard (flancard)
 87 tournament saddle
 88 rump piece (quarter piece)



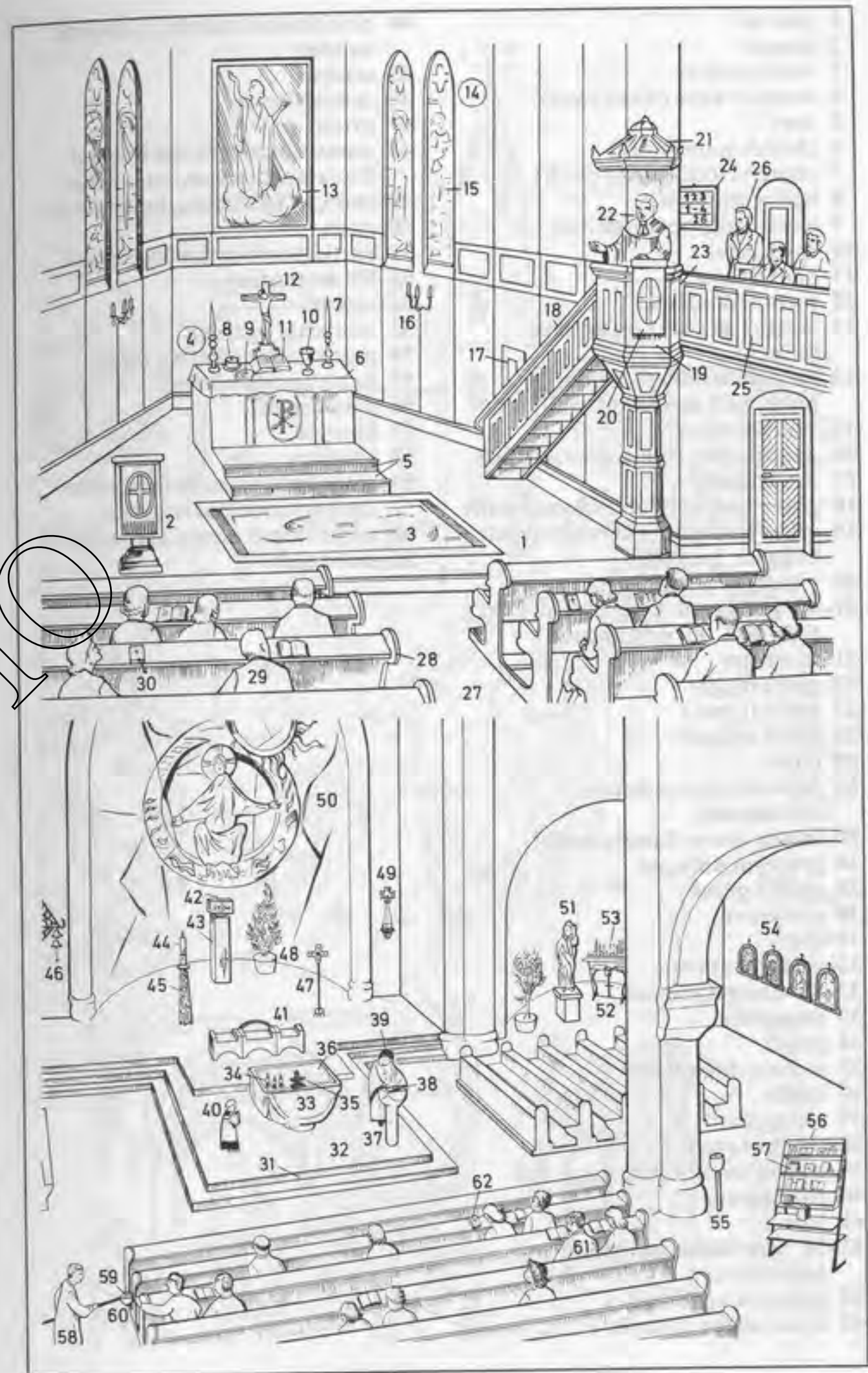
1-30 Protestant church

- 1 chancel
- 2 lectern
- 3 altar carpet
- 4 altar (communion table, Lord's table, holy table)
- 5 altar steps
- 6 altar cloth
- 7 altar candle
- 8 pyx (pix)
- 9 paten (patin, patine)
- 10 chalice (communion cup)
- 11 Bible (Holy Bible, Scriptures, Holy Scripture)
- 12 altar crucifix
- 13 altarpiece
- 14 church window
- 15 stained glass
- 16 wall candelabrum
- 17 vestry door (sacristy door)
- 18 pulpit steps
- 19 pulpit
- 20 antependium
- 21 canopy (soundboard, sounding board)
- 22 preacher (pastor, vicar, clergyman, rector) in his robes (vestments, canonicals)
- 23 pulpit balustrade
- 24 hymn board showing hymn numbers
- 25 gallery
- 26 vergers (sexton, sacristan)
- 27 aisle
- 28 pew; collectively: pews (seating)
- 29 churchgoer (worshipper); collectively: congregation
- 30 hymn book

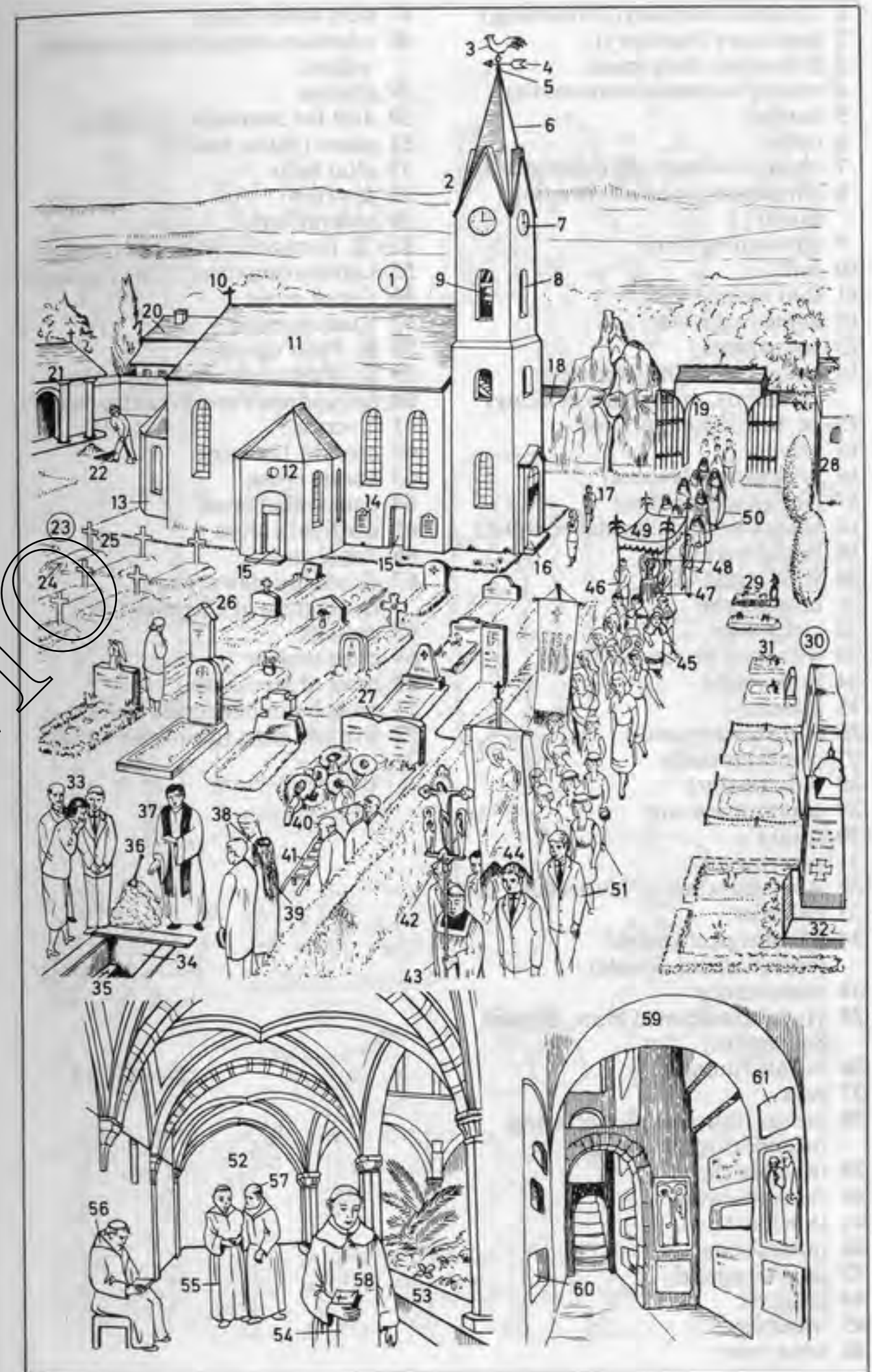
- 44 paschal candle (Easter candle)
- 45 paschal candlestick (Easter candlestick)
- 46 sanctus bell
- 47 processional cross
- 48 altar decoration (foliage, flower arrangement)
- 49 sanctuary lamp
- 50 altarpiece, a picture of Christ
- 51 Madonna, statue of the Virgin Mary
- 52 pricket
- 53 votive candles
- 54 station of the Cross
- 55 offertory box
- 56 literature stand
- 57 literature (pamphlets, tracts)
- 58 vergers (sexton, sacristan)
- 59 offertory bag
- 60 offering
- 61 man praying
- 62 prayer book

31-62 Roman Catholic church

- 31 altar steps
- 32 presbytery (choir, chancel, sacrarium, sanctuary)
- 33 altar
- 34 altar candles
- 35 altar cross
- 36 altar cloth
- 37 lectern
- 38 missal (mass book)
- 39 priest
- 40 server
- 41 sedilia
- 42 tabernacle
- 43 stela (stela)

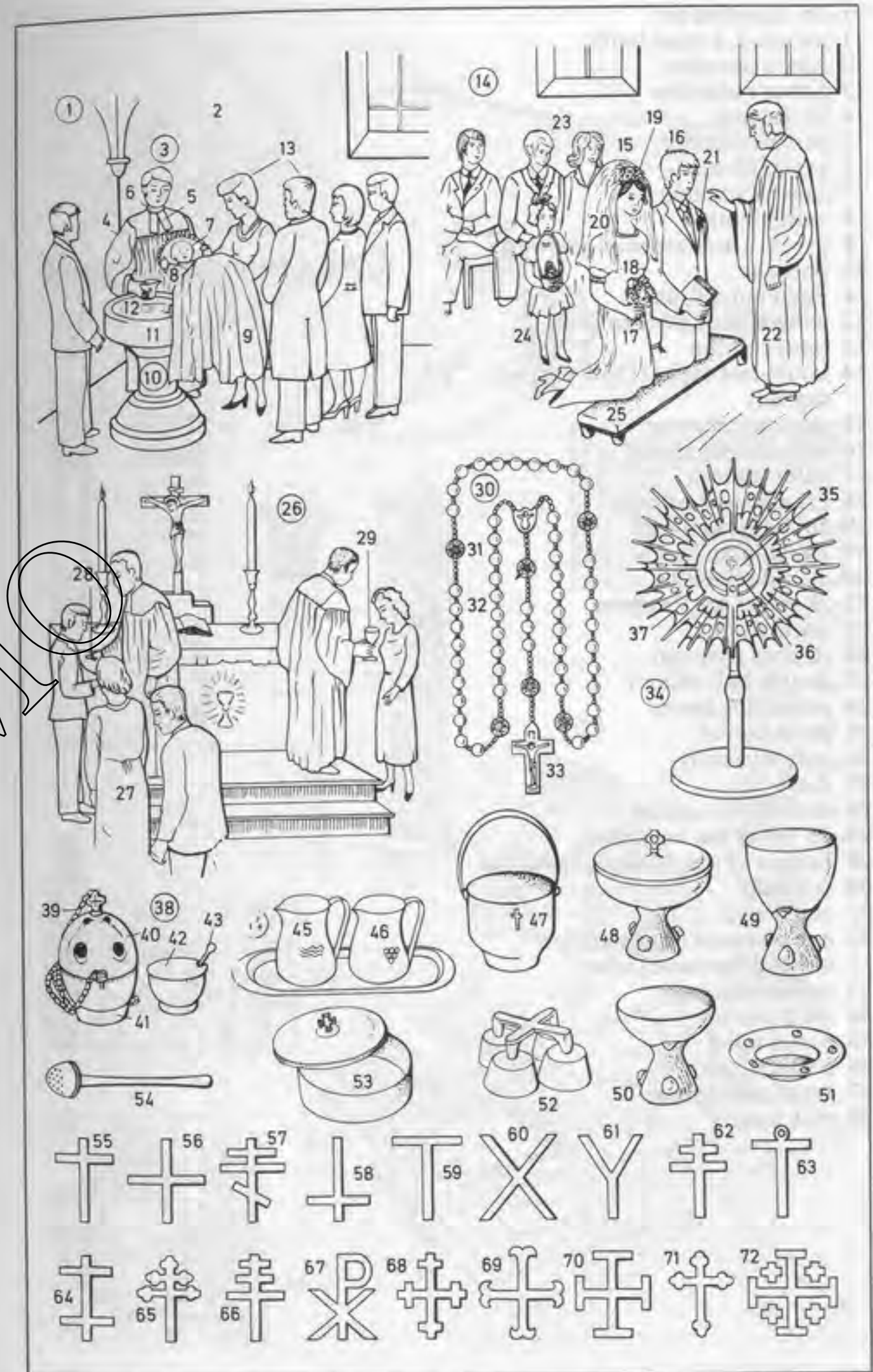


- 1 church
- 2 steeple
- 3 weathercock
- 4 weather vane (wind vane)
- 5 apex
- 6 church spire (spire)
- 7 church clock (tower clock)
- 8 belfry window
- 9 electrically operated bell
- 10 ridge cross
- 11 church roof
- 12 memorial chapel
- 13 vestry (sacristy), an annexe (annex)
- 14 memorial tablet (memorial plate, wall memorial, wall stone)
- 15 side entrance
- 16 church door (main door, portal)
- 17 churchgoer
- 18 graveyard wall (churchyard wall)
- 19 graveyard gate (churchyard gate, lichgate, lychgate)
- 20 vicarage (parsonage, rectory)
- 21-41 graveyard (churchyard, God's acre, *Am.* burying ground)
- 21 mortuary
- 22 grave digger
- 23 grave (tomb)
- 24 grave mound
- 25 cross
- 26 gravestone (headstone, tombstone)
- 27 family grave (family tomb)
- 28 graveyard chapel
- 29 child's grave
- 30 urn grave
- 31 urn
- 32 soldier's grave
- 33-41 funeral (burial)
- 33 mourners
- 34 grave
- 35 coffin (*Am.* casket)
- 36 spade
- 37 clergyman
- 38 the bereaved
- 39 widow's veil, a mourning veil
- 40 pallbearers
- 41 bier
- 42-50 procession (religious procession)
- 42 processional crucifix
- 43 cross bearer (crucifer)
- 44 processional banner, a church banner
- 45 acolyte
- 46 canopy bearer
- 47 priest
- 48 monstrance with the Blessed Sacrament (consecrated Host)
- 49 canopy (baldachin, baldaquin)
- 50 nuns
- 51 participants in the procession
- 52-58 monastery
- 52 cloister
- 53 monastery garden
- 54 monk, a Benedictine monk
- 55 habit (monk's habit)
- 56 cowl (hood)
- 57 tonsure
- 58 breviary
- 59 catacomb, an early Christian underground burial place
- 60 niche (tomb recess, arcosolium)
- 61 stone slab

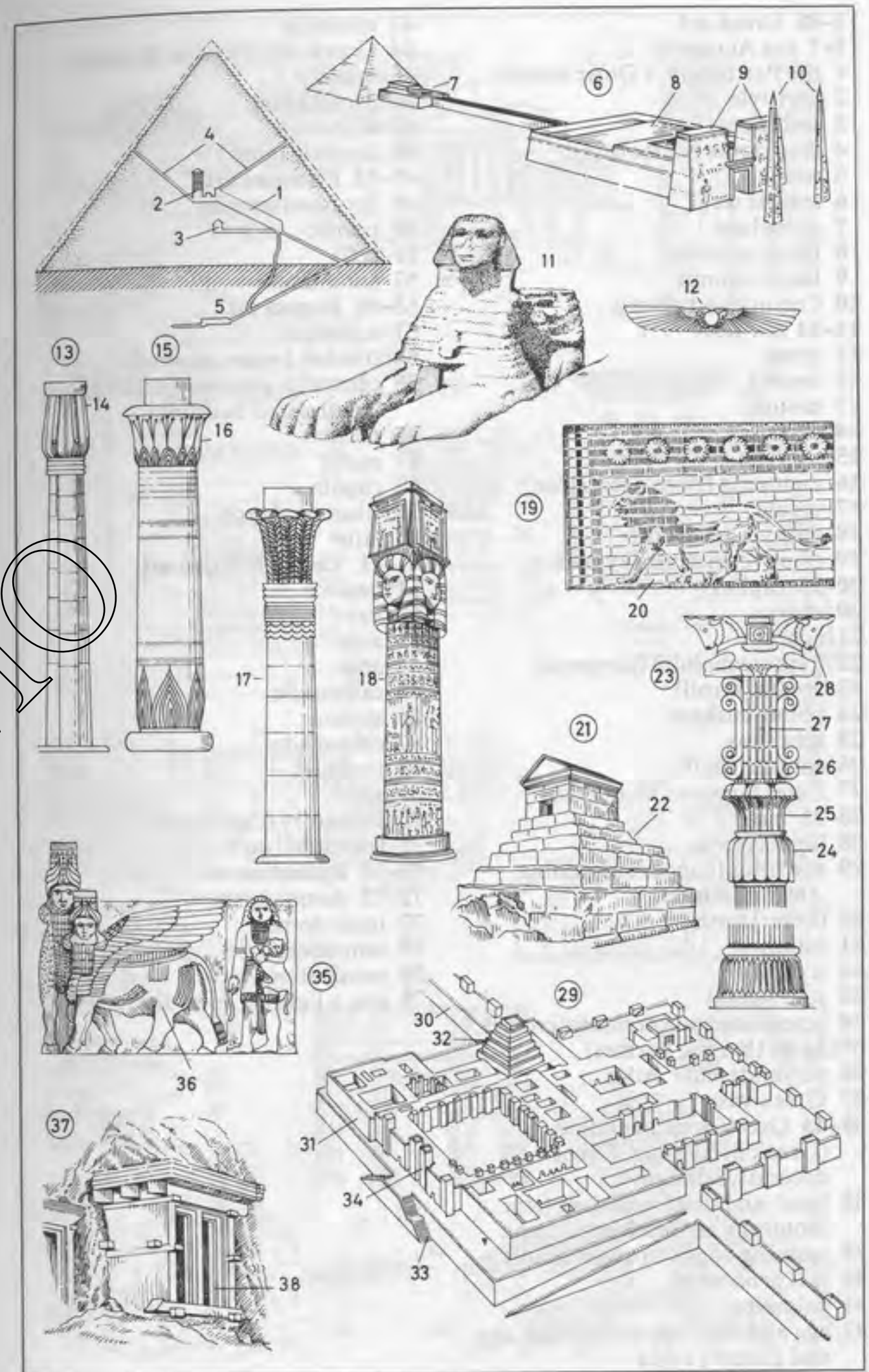


- 1 Christian baptism (christening)
- 2 baptistery (baptistry)
- 3 Protestant clergyman
- 4 robes (vestments, canonicals)
- 5 bands
- 6 collar
- 7 child to be baptized (christened)
- 8 christening robe (christening dress)
- 9 christening shawl
- 10 font
- 11 font basin
- 12 baptismal water
- 13 godparents
- 14 church wedding (wedding ceremony, marriage ceremony)
- 15-16 bridal couple
- 15 bride
- 16 bridegroom (groom)
- 17 ring (wedding ring)
- 18 bride's bouquet (bridal bouquet)
- 19 bridal wreath
- 20 veil (bridal veil)
- 21 buttonhole
- 22 clergyman
- 23 witnesses [to the marriage]
- 24 bridesmaid
- 25 kneeler
- 26 Holy Communion
- 27 communicants
- 28 Host (wafer)
- 29 communion cup
- 30 rosary
- 31 paternoster
- 32 Ave Maria; set of 10: decade
- 33 crucifix
- 34-54 liturgical vessels (ecclesiastical vessels)
- 34 monstrance
- 35 Host (consecrated Host, Blessed Sacrament)
- 36 lunula (lunule)
- 37 rays
- 38 censer (thurible), for offering incense (for incensing)
- 39 thurible chain
- 40 thurible cover
- 41 thurible bowl
- 42 incense boat
- 43 incense spoon
- 44 cruet set
- 45 water cruet
- 46 wine cruet

- 47 holy water basin
- 48 ciborium containing the sacred wafers
- 49 chalice
- 50 dish for communion wafers
- 51 paten (patin, patine)
- 52 altar bells
- 53 pyx (pix)
- 54 aspergillum
- 55-72 forms of Christian crosses
- 55 Latin cross (cross of the Passion)
- 56 Greek cross
- 57 Russian cross
- 58 St. Peter's cross
- 59 St. Anthony's cross (tau cross)
- 60 St. Andrew's cross (saltire cross)
- 61 Y-cross
- 62 cross of Lorraine
- 63 ansate cross
- 64 patriarchal cross
- 65 cardinal's cross
- 66 Papal cross
- 67 Constantinian cross, a monogram of Christ (CHR)
- 68 crosslet
- 69 cross moline
- 70 cross of Jerusalem
- 71 cross botonnée (cross treflée)
- 72 fivefold cross (quintuple cross)

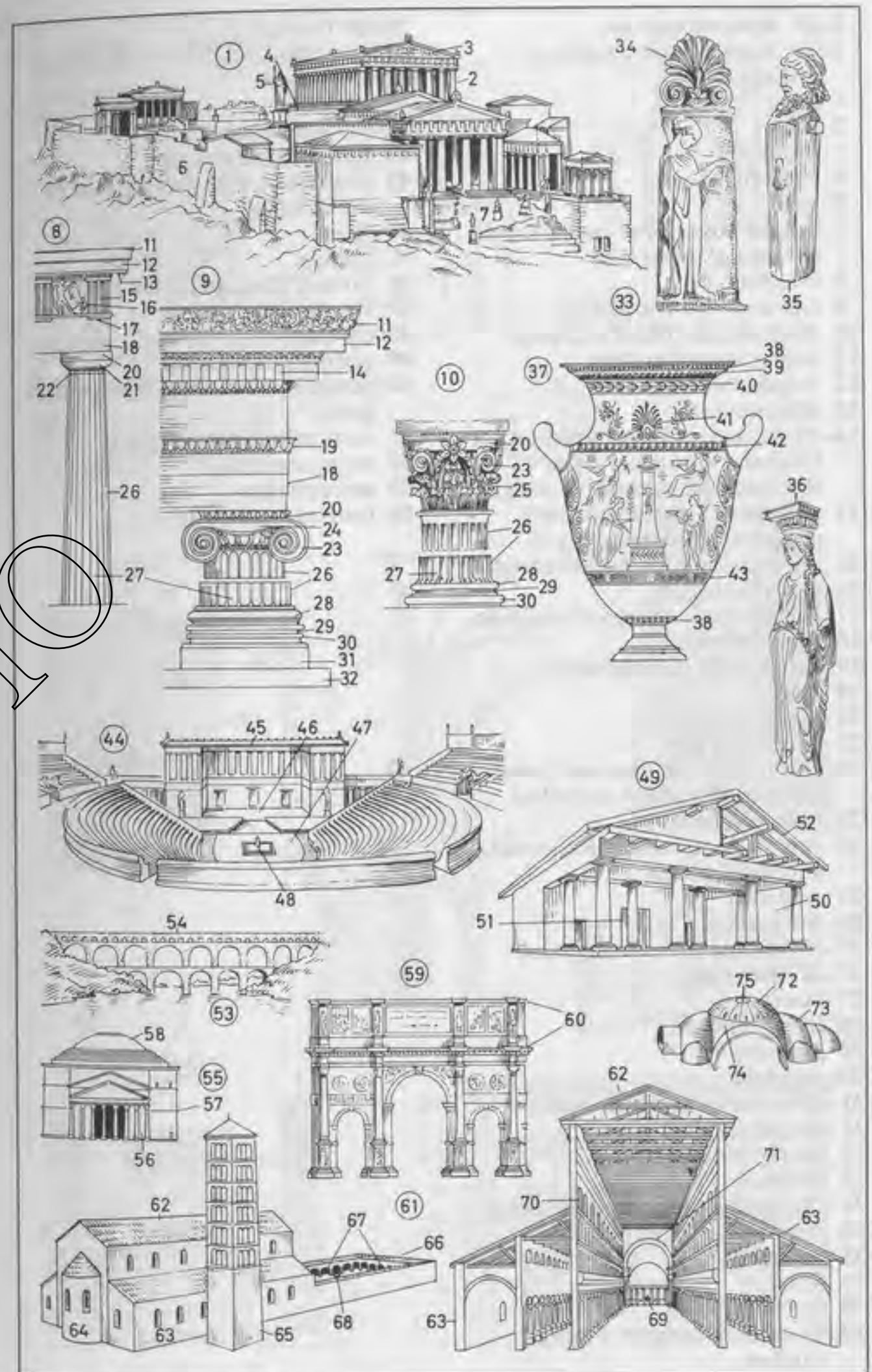


- 1-18 Egyptian art**
 1 pyramid, a royal tomb
 2 king's chamber
 3 queen's chamber
 4 air passage
 5 coffin chamber
 6 pyramid site
 7 funerary temple
 8 valley temple
 9 pylon, a monumental gateway
 10 obelisks
 11 Egyptian sphinx
 12 winged sun disc (sun disk)
 13 lotus column
 14 knob-leaf capital (bud-shaped capital)
 15 papyrus column
 16 bell-shaped capital
 17 palm column
 18 ornamented column
19-20 Babylonian art
 19 Babylonian frieze
 20 glazed relief tile
21-28 art of the Persians
 21 tower tomb
 22 stepped pyramid
 23 double bull column
 24 projecting leaves
 25 palm capital
 26 volute (scroll)
 27 shaft
 28 double bull capital
29-36 art of the Assyrians
 29 Sargon's Palace, palace buildings
 30 city wall
 31 castle wall
 32 temple tower (ziggurat), a stepped (terraced) tower
 33 outside staircase
 34 main portal
 35 portal relief
 36 portal figure
37 art of Asia Minor
 38 rock tomb



- 1-48 Greek art
 1-7 the Acropolis
 1 the Parthenon, a Doric temple
 2 peristyle
 3 pediment
 4 crepidoma (stereobate)
 5 statue
 6 temple wall
 7 propylaea
 8 Doric column
 9 Ionic column
 10 Corinthian column
 11-14 cornice
 11 cyma
 12 corona
 13 mutule
 14 dentils
 15 triglyph
 16 metope, a frieze decoration
 17 regula
 18 epistyle (architrave)
 19 cyma (cymatium, kymation)
 20-25 capital
 20 abacus
 21 echinus
 22 hypotrachelium (gorgerin)
 23 volute (scroll)
 24 volute cushion
 25 acanthus
 26 column shaft
 27 flutes (grooves, channels)
 28-31 base
 28 [upper] torus
 29 trochilus (concave moulding, *Am.* molding)
 30 [lower] torus
 31 plinth
 32 stylobate
 33 stele (stela)
 34 acroterion (acroterium, acroter)
 35 herm (herma, hermes)
 36 caryatid; *male*: Atlas
 37 Greek vase
 38-43 Greek ornamentation
 (Greek decoration, Greek decorative designs)
 38 bead-and-dart moulding (*Am.* moulding), an ornamental band
 39 running dog (Vitruvian scroll)
 40 leaf ornament
 41 palmette
 42 egg and dart (egg and tongue, egg and anchor) cyma

- 43 meander
 44 Greek theatre (*Am.* theater)
 45 scene
 46 proscenium
 47 orchestra
 48 thymele (altar)
 49-52 Etruscan art
 49 Etruscan temple
 50 portico
 51 cella
 52 entablature
 53-60 Roman art
 53 aqueduct
 54 conduit (water channel)
 55 centrally-planned building (centralized building)
 56 portico
 57 reglet
 58 cupola
 59 triumphal arch
 60 attic
 61-71 Early Christian art
 61 basilica
 62 nave
 63 aisle
 64 apse
 65 campanile
 66 atrium
 67 colonnade
 68 fountain
 69 altar
 70 clerestory (clearstory)
 71 triumphal arch
 72-75 Byzantine art
 72-73 dome system
 72 main dome
 73 semidome
 74 pendentive
 75 eye, a lighting aperture



1-21 Romanesque art

1-13 Romanesque church, a cathedral

1 nave

2 aisle

3 transept

4 choir (chancel)

5 apse

6 central tower (*Am.* center tower)

7 pyramidal tower roof

8 arcading

9 frieze of round arcading

10 blind arcade (blind arcading)

11 lesene, a pilaster strip

12 circular window

13 side entrance

14-16 Romanesque ornamentation (Romanesque decoration, Romanesque decorative designs)

14 chequered (*Am.* checkered) pattern (chequered design)

15 imbrication (imbricated design)

16 chevron design

17 Romanesque system of vaulting

18 transverse arch

19 barrel vault (tunnel vault)

20 pillar

21 cushion capital

22-41 Gothic art

22 Gothic church [westwork, west end, west façade], a cathedral

23 rose window

24 church door (main door, portal), a recessed portal

25 archivolt

26 tympanum

27-35 Gothic structural system

27-28 buttresses

27 buttress

28 flying buttress

29 pinnacle

30 gargoyle

31-32 cross vault (groin vault)

31 ribs (cross ribs)

32 boss (pendant)

33 triforium

34 clustered pier (compound pier)

35 respond (engaged pillar)

36 pediment

37 finial

38 crocket

39-41 tracery window, a lancet window

39-40 tracery

39 quatrefoil

40 cinquefoil

41 mullions

42-54 Renaissance art

42 Renaissance church

43 projection, a projecting part of the building

44 drum

45 lantern

46 pilaster (engaged pillar)

47 Renaissance palace

48 cornice

49 pedimental window

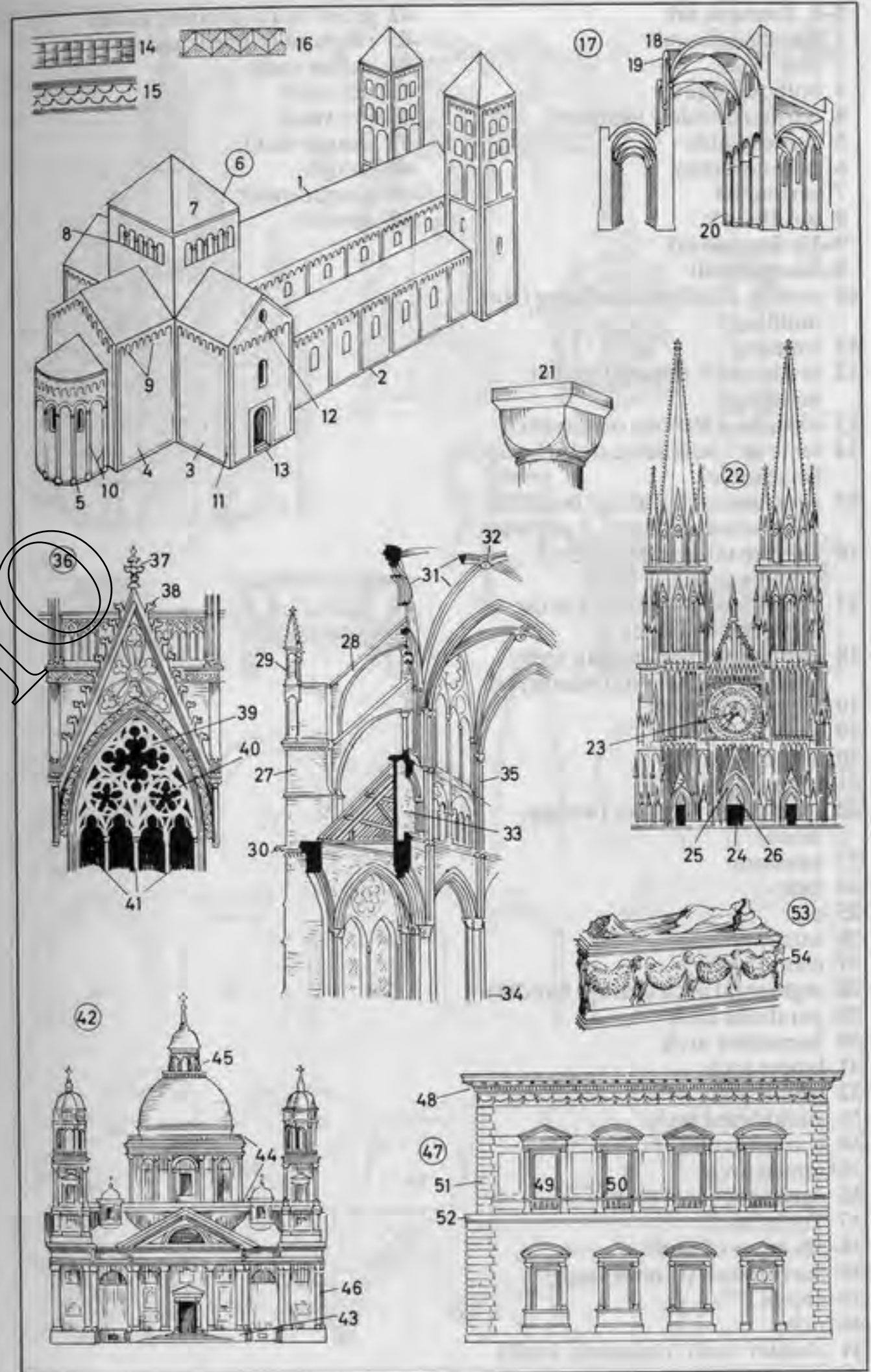
50 pedimental window with round gable

51 rustication (rustic work)

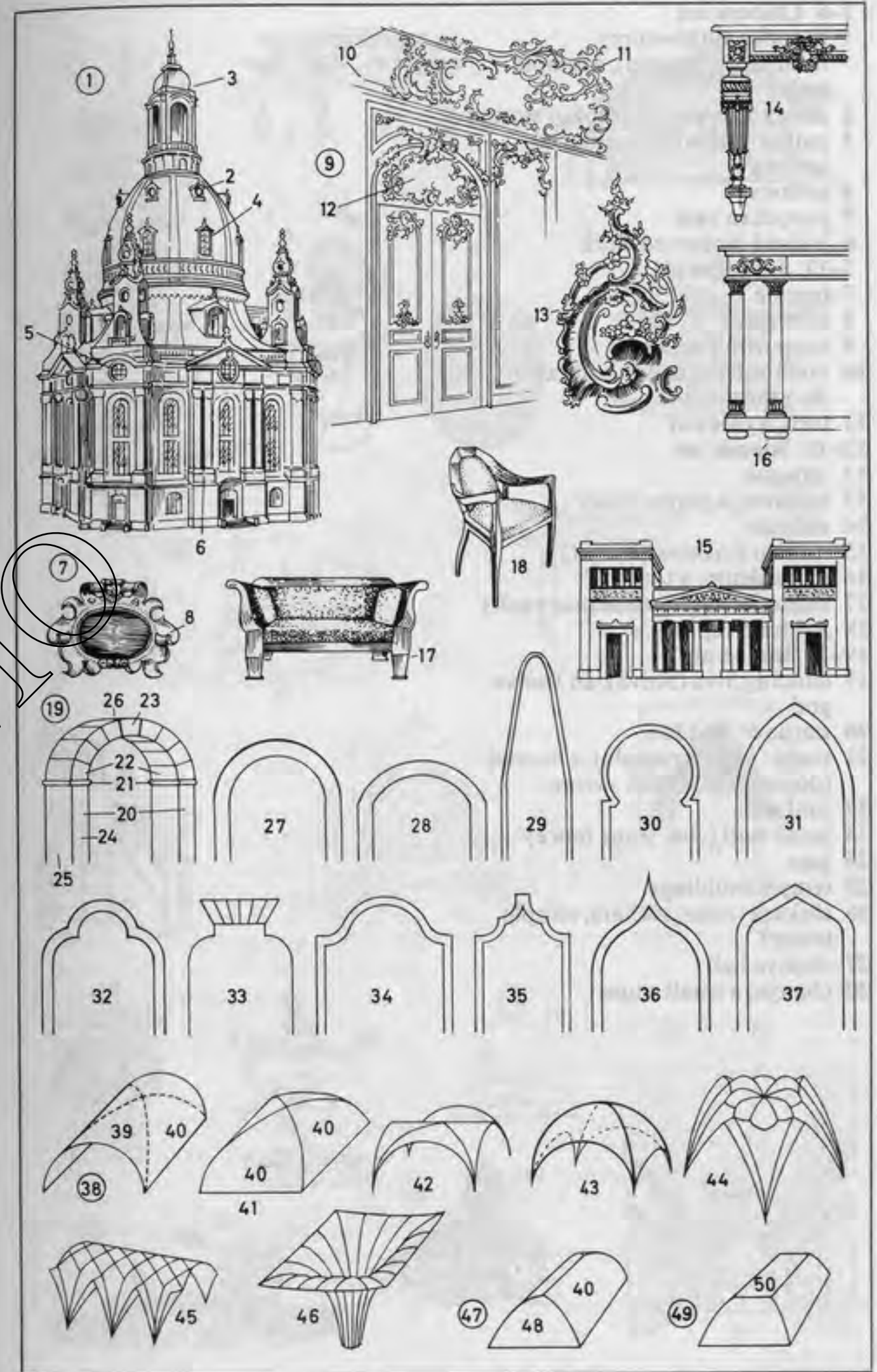
52 string course

53 sarcophagus

54 festoon (garland)



- 1-8 Baroque art
- 1 Baroque church
- 2 bull's eye
- 3 bulbous cupola
- 4 dormer window (dormer)
- 5 curved gable
- 6 twin columns
- 7 cartouche
- 8 scrollwork
- 9-13 Rococo art
- 9 Rococo wall
- 10 coving, a hollow moulding (*Am.* moulding)
- 11 framing
- 12 ornamental moulding (*Am.* moulding)
- 13 rocaille, a Rococo ornament
- 14 table in Louis Seize style (Louis Seize table)
- 15 neoclassical building (building in neoclassical style), a gateway
- 16 Empire table (table in the Empire style)
- 17 Biedermeier sofa (sofa in the Biedermeier style)
- 18 Art Nouveau easy chair (easy chair in the Art Nouveau style)
- 19-37 types of arch
- 19 arch
- 20 abutment
- 21 impost
- 22 springer, a voussoir (wedge stone)
- 23 keystone
- 24 face
- 25 pier
- 26 extrados
- 27 round arch
- 28 segmental arch (basket handle)
- 29 parabolic arch
- 30 horseshoe arch
- 31 lancet arch
- 32 trefoil arch
- 33 shouldered arch
- 34 convex arch
- 35 tented arch
- 36 ogee arch (keel arch)
- 37 Tudor arch
- 38-50 types of vault
- 38 barrel vault (tunnel vault)
- 39 crown
- 40 side
- 41 cloister vault (cloistered vault)
- 42 groin vault (groined vault)
- 43 rib vault (ribbed vault)
- 44 stellar vault
- 45 net vault
- 46 fan vault
- 47 trough vault
- 48 trough
- 49 cavetto vault
- 50 cavetto



1-6 Chinese art

- 1 pagoda (multi-storey, multistory, pagoda), a temple tower
- 2 storey (story) roof (roof of storey)
- 3 pailou (pailoo), a memorial archway
- 4 archway
- 5 porcelain vase
- 6 incised lacquered work

7-11 Japanese art

- 7 temple
- 8 bell tower
- 9 supporting structure
- 10 bodhisattva (boddhisattva), a Buddhist saint
- 11 torii, a gateway

12-18 Islamic art

- 12 mosque
- 13 minaret, a prayer tower
- 14 mihrab
- 15 minbar (mimbar, pulpit)
- 16 mausoleum, a tomb
- 17 stalactite vault (stalactitic vault)
- 18 Arabian capital

19-28 Indian art

- 19 dancing Siva (Shiva), an Indian god
- 20 statue of Buddha
- 21 stupa (Indian pagoda), a mound (dome), a Buddhist shrine
- 22 umbrella
- 23 stone wall (*Am.* stone fence)
- 24 gate
- 25 temple buildings
- 26 shikara (sikar, sikhara, temple tower)
- 27 chaitya hall
- 28 chaitya, a small stupa



**1-43 studio**

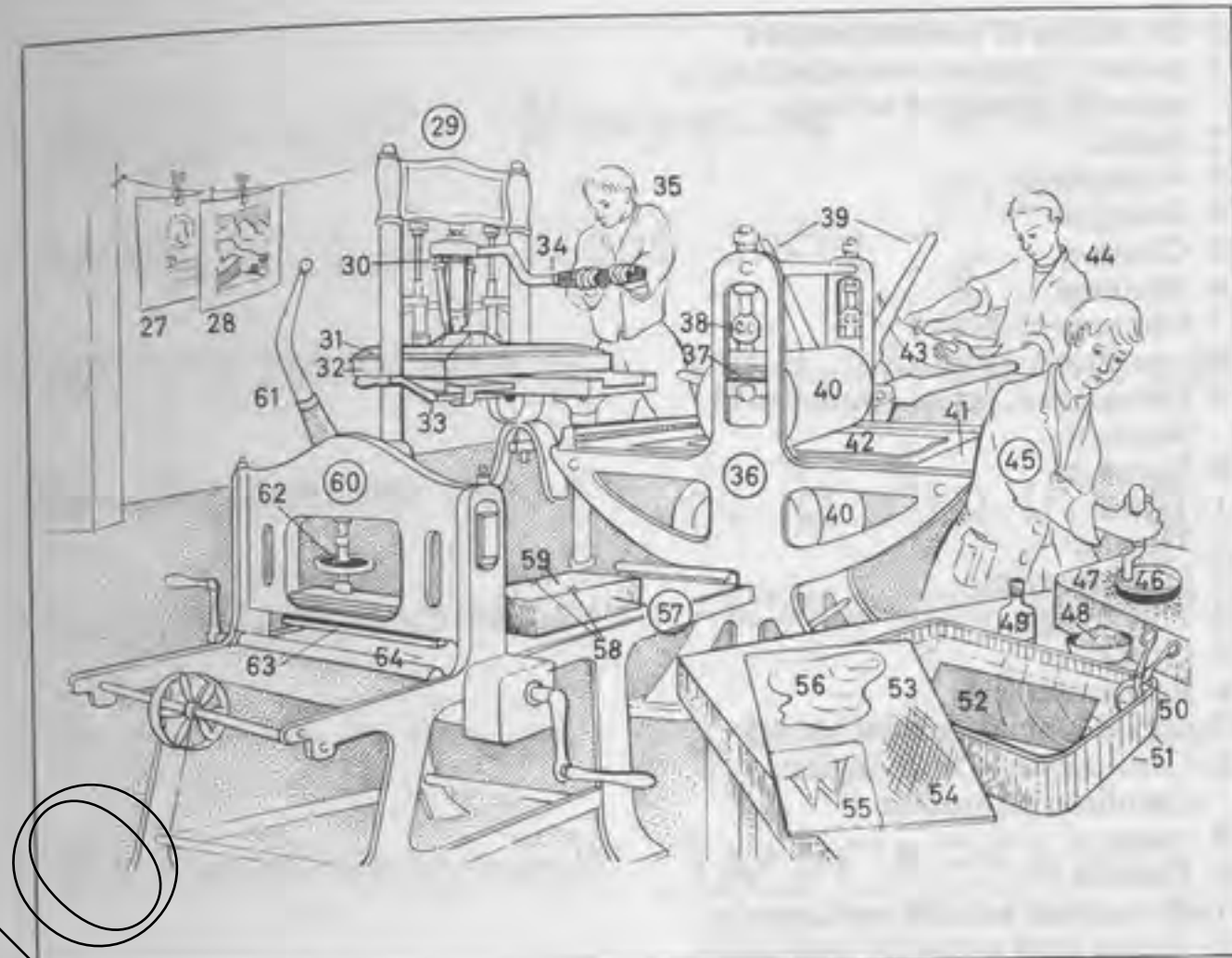
- 1 studio skylight
- 2 painter, an artist
- 3 studio easel
- 4 chalk sketch, a rough draft
- 5 crayon (piece of chalk)
- 6-19 painting materials
- 6 flat brush
- 7 camel hair brush
- 8 round brush
- 9 priming brush
- 10 box of paints (paintbox)
- 11 tube of oil paint
- 12 varnish
- 13 thinner
- 14 palette knife
- 15 spatula
- 16 charcoal pencil (charcoal, piece of charcoal)
- 17 tempera (gouache)
- 18 watercolour (*Am.* watercolor)
- 19 pastel crayon
- 20 wedged stretcher (canvas stretcher)
- 21 canvas
- 22 piece of hardboard, with painting surface
- 23 wooden board
- 24 fibreboard (*Am.* fiberboard)
- 25 painting table
- 26 folding easel
- 27 still life group, a motif
- 28 palette
- 29 palette dipper
- 30 platform
- 31 lay figure (mannequin, manikin)
- 32 nude model (model, nude)
- 33 drapery
- 34 drawing easel
- 35 sketch pad
- 36 study in oils
- 37 mosaic (tessellation)
- 38 mosaic figure
- 39 tesserae
- 40 fresco (mural)
- 41 sgraffito
- 42 plaster
- 43 cartoon



- 1 sculptor
- 2 proportional dividers
- 3 calliper (caliper)
- 4 plaster model, a plaster cast
- 5 block of stone (stone block)
- 6 modeller (*Am.* modeler)
- 7 clay figure, a torso
- 8 roll of clay, a modelling (*Am.* modeling) substance
- 9 modelling (*Am.* modeling) stand
- 10 wooden modelling (*Am.* modeling) tool
- 11 wire modelling (*Am.* modeling) tool
- 12 beating wood
- 13 claw chisel (toothed chisel, tooth chisel)
- 14 flat chisel
- 15 point (punch)
- 16 iron-headed hammer
- 17 gouge (hollow chisel)
- 18 spoon chisel
- 19 wood chisel, a bevelled-edge chisel
- 20 V-shaped gouge
- 21 mallet
- 22 framework
- 23 baseboard
- 24 armature support (metal rod)
- 25 armature
- 26 wax model
- 27 block of wood
- 28 wood carver (wood sculptor)
- 29 sack of gypsum powder (gypsum)
- 30 clay box
- 31 modelling (*Am.* modeling) clay (clay)
- 32 statue, a sculpture
- 33 low relief (bas-relief)
- 34 modelling (*Am.* modeling) board
- 35 wire frame, wire netting
- 36 circular medallion (tondo)
- 37 mask
- 38 plaque



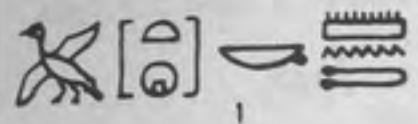
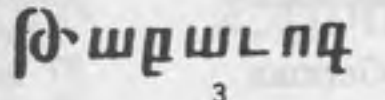

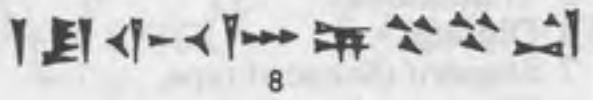

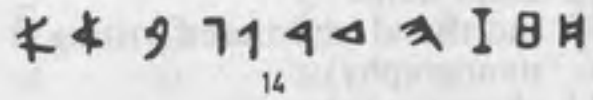
- 1-13 wood engraving (xylography), a relief printing method (a letterpress printing method)**
- 1 end-grain block for wood engravings, a wooden block
 - 2 wooden plank for woodcutting, a relief image carrier
 - 3 positive cut
 - 4 plank cut
 - 5 burin (graver)
 - 6 U-shaped gouge
 - 7 scorper (scauper, scalper)
 - 8 scoop
 - 9 V-shaped gouge
 - 10 contour knife
 - 11 brush
 - 12 roller (brayer)
 - 13 pad (wiper)
- 14-24 copperplate engraving (chalcography), an intaglio process; kinds: etching, mezzotint, aquatint, crayon engraving**
- 14 hammer
 - 15 burin
 - 16 etching needle (engraver)
 - 17 scraper and burnisher
 - 18 roulette
 - 19 rocking tool (rocker)
 - 20 round-headed graver, a graver (burin)
 - 21 oilstone
 - 22 dabber (inking ball, ink ball)
 - 23 leather roller
 - 24 sieve
- 25-26 lithography (stone lithography), a planographic printing method**
- 25 sponge for moistening the lithographic stone
 - 26 lithographic crayons (greasy chalk)
- 27-64 graphic art studio, a printing office (Am. printery)**
- 27 broadside (broadsheet, single sheet)
 - 28 full-colour (Am. full-color) print (colour print, chromolithograph)
 - 29 platen press, a hand press
 - 30 toggle
 - 31 platen
 - 32 type forme (Am. form)

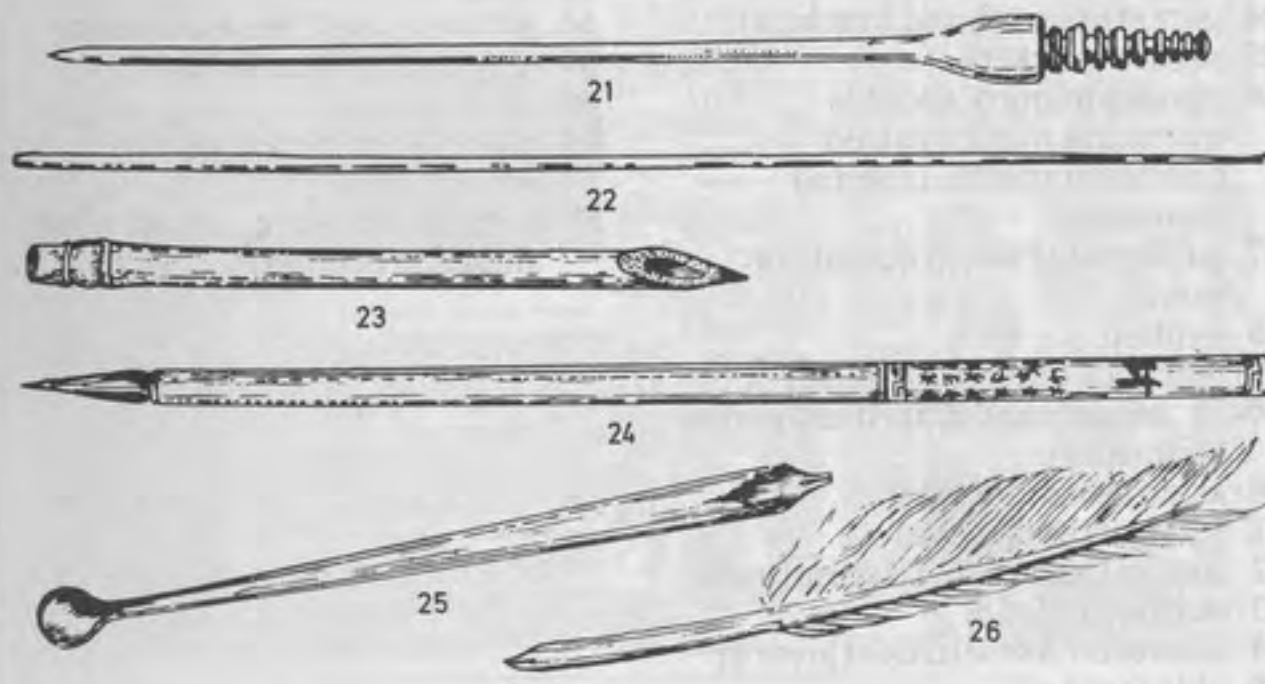


- 33 feed mechanism
- 34 bar (devil's tail)
- 35 pressman
- 36 copperplate press
- 37 tympan
- 38 pressure regulator
- 39 star wheel
- 40 cylinder
- 41 bed
- 42 felt cloth
- 43 proof (pull)
- 44 copperplate engraver
- 45 lithographer (litho artist), grinding the stone
- 46 grinding disc (disk)
- 47 grain (granular texture)
- 48 pulverized glass
- 49 rubber solution
- 50 tongs
- 51 etching bath for etching
- 52 zinc plate
- 53 polished copperplate
- 54 cross hatch
- 55 etching ground
- 56 non-printing area
- 57 lithographic stone
- 58 register marks
- 59 printing surface (printing image carrier)
- 60 lithographic press
- 61 lever
- 62 scraper adjustment
- 63 scraper
- 64 bed

1-20 scripts of various peoples

- 1 ancient Egyptian hieroglyphics, a pictorial system of writing
- 2 Arabic
- 3 Armenian
- 4 Georgian
- 5 Chinese
- 6 Japanese
- 7 Hebrew (Hebraic)
- 8 cuneiform script
- 9 Devanagari, script employed in Sanskrit
- 10 Siamese
- 11 Tamil
- 12 Tibetan
- 13 Sinitic script
- 14 Phoenician
- 15 Greek
- 16 Roman capitals
- 17 uncial (uncials, uncial script)
- 18 Carolingian (Carlovingian, Caroline) minuscule
- 19 runes
- 20 Russian
- 21-26 ancient writing implements
- 21 Indian steel stylus for writing on palm leaves
- 22 ancient Egyptian reed pen
- 23 writing cane
- 24 brush
- 25 Roman metal pen (stylus)
- 26 quill (quill pen)
- 27 Korean

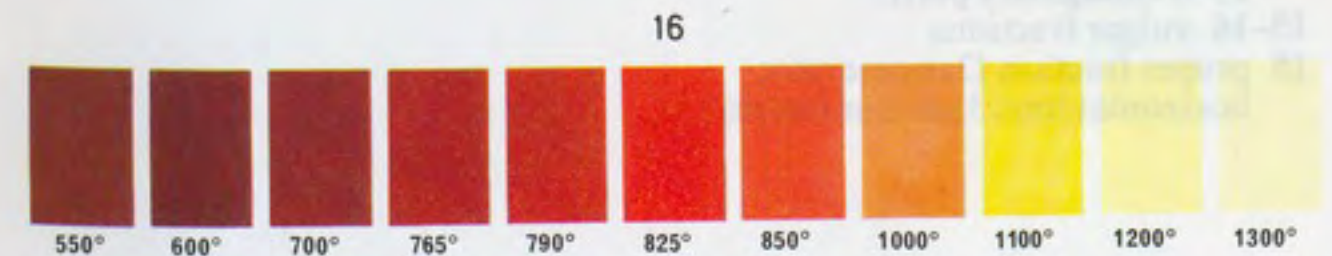
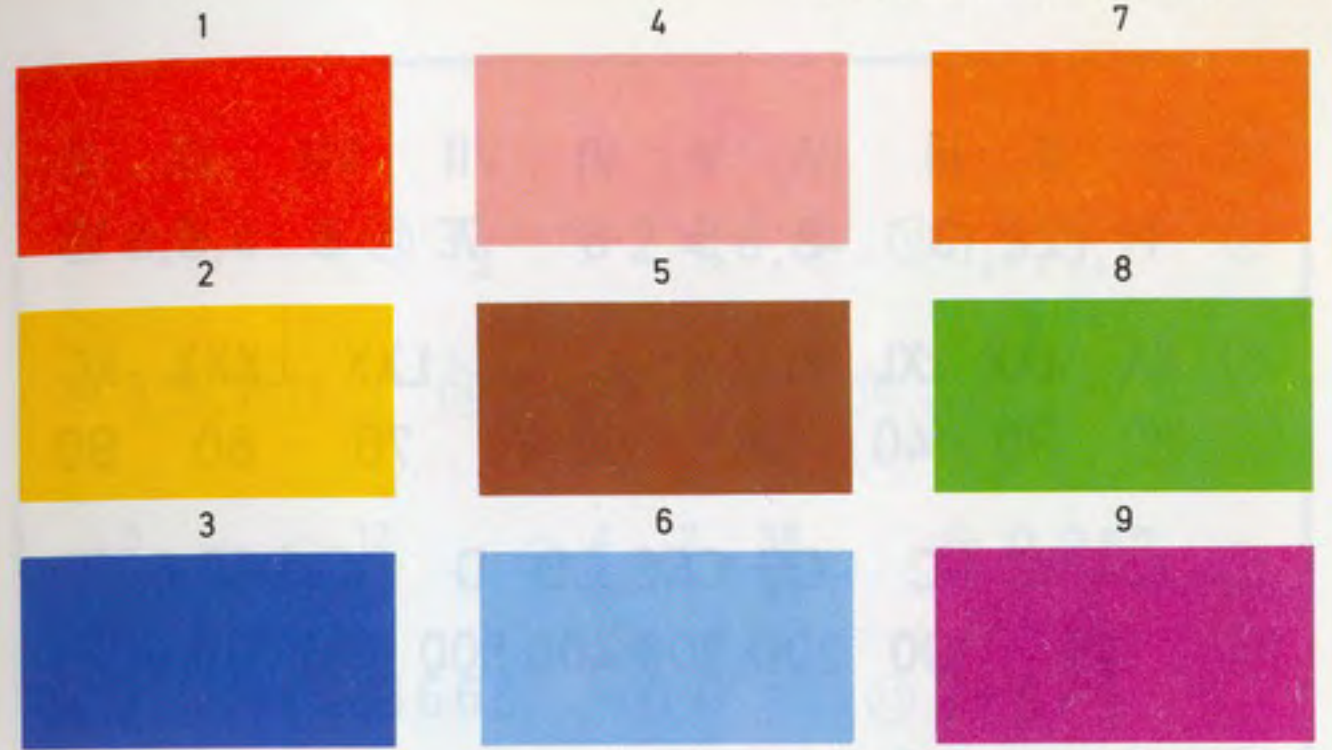
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<p>انصف بالشجاعة اما</p> <p>2</p>	<p>ბაბიბ 306</p> <p>4</p>	<p>5</p>
 <p>7</p>	 <p>8</p>	<p>6</p>
<p>वेत्त चित्तमन्तरकाया अरिग-</p> <p>9</p>	<p>ຍੰ ໄ ເກືອນ ເກົາ ລຸບ</p> <p>10</p>	<p>7</p>
<p>உறிரண்ணியவாமின்</p> <p>11</p>	<p>རས་མ་ཉམས་བ་སྐྱ་མེད་པ་</p> <p>12</p>	<p>8</p>
 <p>13</p>	 <p>14</p>	<p>9</p>
<p>Τῆς παρελθούσης νυκτὸ</p> <p>15</p>	<p>IMPCAESARI·</p> <p>16</p>	<p>10</p>
<p>ΜΙΝΗΣΥΕΝΙΕ</p> <p>17</p>	<p>addiem festum</p> <p>18</p>	<p>11</p>
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<p>책입니다 27</p>		<p>13</p>



- 1-15 types (type faces)
- 1 Gothic type (German black-letter type)
 - 2 Schwabacher type (German black-letter type)
 - 3 Fraktur (German black-letter type)
 - 4 Humanist (Mediaeval)
 - 5 Transitional
 - 6 Didone
 - 7 Sanserif (Sanserif type, Grotesque)
 - 8 Egyptian
 - 9 typescript (typewriting)
 - 10 English hand (English handwriting, English writing)
 - 11 German hand (German handwriting, German writing)
 - 12 Latin script
 - 13 shorthand (shorthand writing, stenography)
 - 14 phonetics (phonetic transcription)
 - 15 Braille
- 16-29 punctuation marks (stops)
- 16 full stop (period, full point)
 - 17 colon
 - 18 comma
 - 19 semicolon
 - 20 question mark (interrogation point, interrogation mark)
 - 21 exclamation mark (*Am.* exclamation point)
 - 22 apostrophe
 - 23 dash (em rule)
 - 24 parentheses (round brackets)
 - 25 square brackets
 - 26 quotation mark (double quotation marks, paired quotation marks, inverted commas)
 - 27 guillemet (French quotation mark)
 - 28 hyphen
 - 29 marks of omission (ellipsis)
- 30-35 accents and diacritical marks (diacritics)
- 30 acute accent (acute)
 - 31 grave accent (grave)
 - 32 circumflex accent (circumflex)
 - 33 cedilla [under c]
 - 34 diaeresis (*Am.* dieresis) [over e]
 - 35 tilde [over n]
- 36 section mark
 - 37-70 newspaper, a national daily newspaper
 - 37 newspaper page
 - 38 front page
 - 39 newspaper heading
 - 40 contents
 - 41 price
 - 42 date of publication
 - 43 place of publication
 - 44 headline
 - 45 column
 - 46 column heading
 - 47 column rule
 - 48 leading article (leader, editorial)
 - 49 reference to related article
 - 50 brief news item
 - 51 political section
 - 52 page heading
 - 53 cartoon
 - 54 report by newspaper's own correspondent
 - 55 news agency's sign
 - 56 advertisement (*coll. ad*)
 - 57 sports section
 - 58 press photo
 - 59 caption
 - 60 sports report
 - 61 sports news item
 - 62 home and overseas news section
 - 63 news in brief (miscellaneous news)
 - 64 television programmes (*Am.* programs)
 - 65 weather report
 - 66 weather chart (weather map)
 - 67 arts section (feuilleton)
 - 68 death notice
 - 69 advertisements (classified advertising)
 - 70 job advertisement, a vacancy (a situation offered)



- 1 red
- 2 yellow
- 3 blue
- 4 pink
- 5 brown
- 6 azure (sky blue)
- 7 orange
- 8 green
- 9 violet
- 10 additive mixture of colours (*Am. colors*)
- 11 white
- 12 subtractive mixture of colours (*Am. colors*)
- 13 black
- 14 solar spectrum (colours, *Am. colors*, of the rainbow)
- 15 grey (*Am. gray*) scale
- 16 heat colours (*Am. colors*)



550° 600° 700° 765° 790° 825° 850° 1000° 1100° 1200° 1300°

① I II III IV V VI VII VIII IX X
 ② 1 2 3 4 5 6 7 8 9 10

① XX XXX XL XLIX IL L LX LXX LXXX XC
 ② 20 30 40 49 50 60 70 80 90

① XCIX IC C CC CCC CD D DC DCC DCCC
 ② 99 100 200 300 400 500 600 700 800

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③ 9658 ④ 5 kg. ⑤ 2 ⑥ 2nd ⑦ +5 ⑧ -5

⑨ a, b, c ... ⑩ $3\frac{1}{3}$ ⑪ 2, 4, 6, 8 ⑫ 1, 3, 5, 7

⑬ 3, 5, 7, 11 ⑭ $3+2\sqrt{-1}$ ⑮ $\frac{2}{3}$ ⑯ $\frac{3}{2}$

⑰ $\frac{5}{6}$ ⑱ $\frac{12}{4}$ ⑲ $\frac{4}{5} + \frac{2}{7} = \frac{38}{35}$ ⑳ 0.357

⑳ 0.357 ㉑ $0.6666\dots = 0.\bar{6}$ ㉒ $3+2=5$

㉓ $3-2=1$ ㉔ $3 \cdot 2 = 6$ ㉕ $6 \div 2 = 3$
 $3 \times 2 = 6$

1-26 arithmetic**1-22 numbers**

- 1 Roman numerals
 2 Arabic numerals
 3 abstract number, a four-figure number [8: units; 5: tens; 6: hundreds; 9: thousands]
 4 concrete number
 5 cardinal number (cardinal)
 6 ordinal number (ordinal)
 7 positive number [with plus sign]
 8 negative number [with minus sign]
 9 algebraic symbols
 10 mixed number [3: whole number (integer); $\frac{1}{3}$: fraction]
 11 even numbers
 12 odd numbers
 13 prime numbers
 14 complex number [3: real part; $2\sqrt{-1}$: imaginary part]
 15-16 vulgar fractions
 15 proper fraction [2: numerator, horizontal line; 3: denominator]

- 16 improper fraction, also the reciprocal of item 15
 17 compound fraction (complex fraction)
 18 improper fraction [when cancelled down produces a whole number]
 19 fractions of different denominations [35: common denominator]
 20 proper decimal fraction with decimal point and decimal places [3: tenths; 5: hundredths; 7: thousandths]
 21 recurring decimal
 22 recurring decimal

23-26 fundamental arithmetical operations

- 23 addition (adding) [3 and 2: the terms of the sum; +: plus sign; =: equals sign; 5: the sum]
 24 subtraction (subtracting); [3: the minuend; -: minus sign; 2: the subtrahend; 1: the remainder (difference)]
 25 multiplication (multiplying); [3: the multiplicand; \times : multiplication sign; 2: the multiplier; 2 and 3: factors; 6: the product]
 26 division (dividing); [6: the dividend; \div : division sign; 2: the divisor; 3: the quotient]

$$\begin{array}{lll} \textcircled{1} 3^2 = 9 & \textcircled{2} \sqrt[3]{8} = 2 & \textcircled{3} \sqrt{4} = 2 \\ & \textcircled{4} 3x + 2 = 12 & \\ & & \textcircled{6} \\ \textcircled{5} 4a + 6ab - 2ac = 2a(2 + 3b - c) & \log_{10} 3 = 0.4771 & \\ & & \\ \textcircled{7} \frac{P[\pounds 1000] \times R[5\%] \times T[2 \text{ years}]}{100} = I[\pounds 100] & & \end{array}$$

$$\begin{array}{ll} 2 \text{ years @ } \pounds 50 & \textcircled{11} 2 + 4 + 6 + 8 \dots \\ \textcircled{8} \frac{4 \text{ years @ } \pounds x}{2 : 50 = 4 : x} & \textcircled{12} 2 + 4 + 8 + 16 + 32 \dots \quad \textcircled{13} \frac{dy}{dx} \\ \textcircled{9} & \textcircled{10} x = \pounds 100 \quad \int ax dx = a \int x dx = \frac{ax^2}{2} + C \\ \textcircled{15} \infty & \textcircled{16} \equiv & \textcircled{17} \approx & \textcircled{18} \neq & \textcircled{19} > \\ \textcircled{20} < & \textcircled{21} \parallel & \textcircled{22} \sim & \textcircled{23} \sphericalangle & \textcircled{24} \triangle \end{array}$$

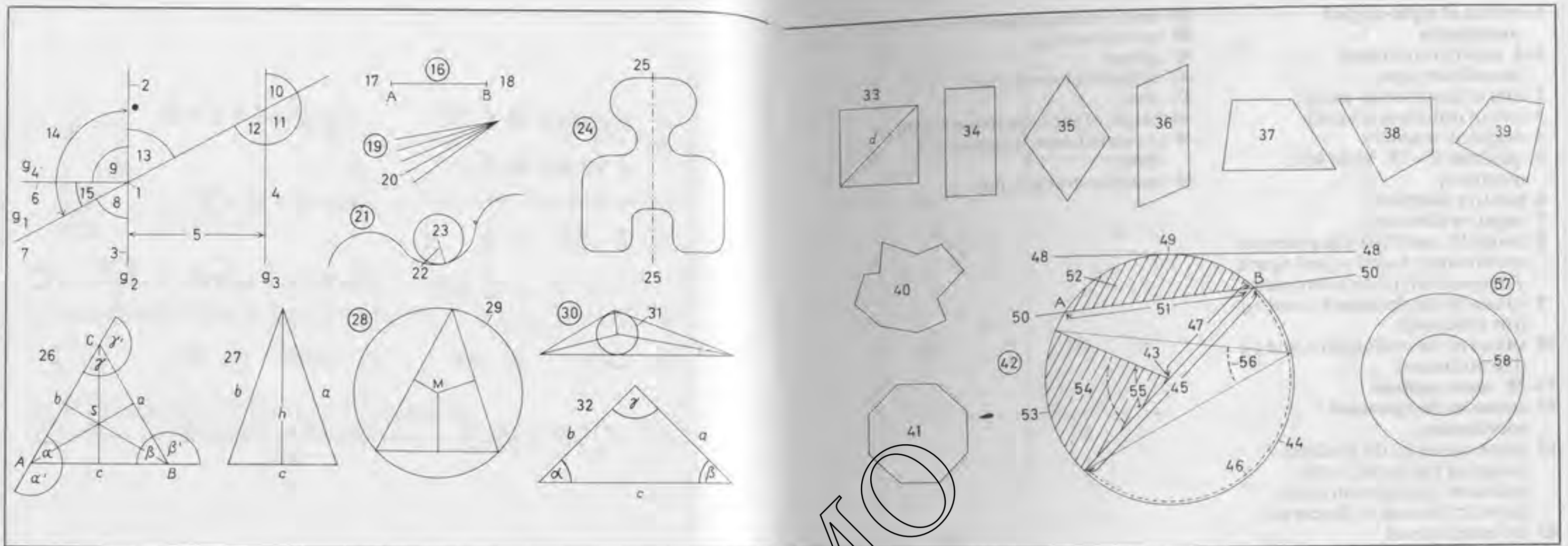
1-24 arithmetic**1-10 advanced arithmetical operations**

- 1 raising to a power [three squared (3^2): the power; 3: the base; 2: the exponent (index); 9: value of the power]
 2 evolution (extracting a root); [cube-root of 8: cube root; 8: the radical; 3: the index (degree) of the root; $\sqrt{\quad}$: radical sign; 2: value of the root]
 3 square root
 4-5 algebra
 4 simple equation [3, 2: the coefficients; x: the unknown quantity]
 5 identical equation; [a, b, c: algebraic symbols]
 6 logarithmic calculation (taking the logarithm, log); [log: logarithm sign; 3: number whose logarithm is required; 10: the base; 0: the characteristic; 4771: the mantissa; 0.4771: the logarithm]

- 7 simple interest formula; [P: the principal; R: rate of interest; T: time; I: interest (profit); %: percentage sign]
 8-10 rule of three (rule-of-three sum, simple proportion)
 8 statement with the unknown quantity x
 9 equation (conditional equation)
 10 solution
11-14 higher mathematics
 11 arithmetical series with the elements 2, 4, 6, 8
 12 geometrical series
13-14 infinitesimal calculus
 13 derivative [dx, dy: the differentials; d: differential sign]
 14 integral (integration); [x: the variable; C: constant of integration; S: the integral sign; dx: the differential]

15-24 mathematical symbols

- 15 infinity
 16 identically equal to (the sign of identity)
 17 approximately equal to
 18 unequal to
 19 greater than
 20 less than
21-24 geometrical symbols
 21 parallel (sign of parallelism)
 22 similar to (sign of similarity)
 23 angle symbol
 24 triangle symbol



1-58 plane geometry (elementary geometry, Euclidian geometry)

1-23 point, line, angle

- 1 point [point of intersection of g_1 and g_2], the angular point of 8
- 2, 3 straight line g_2
- 4 the parallel to g_2
- 5 distance between the straight lines g_2 and g_3
- 6 perpendicular (g_4) on g_2
- 7, 3 the arms of 8
- 8, 13 vertically opposite angles
- 8 angle
- 9 right angle [90°]
- 10, 11, 12 reflex angle
- 10 acute angle, also the alternate angle to 8
- 11 obtuse angle
- 12 corresponding angle to 8
- 13, 9, 15 straight angle [180°]
- 14 adjacent angle; *here*: supplementary angle to 13
- 15 complementary angle to 8
- 16 straight line AB
- 17 end A

- 18 end B
- 19 pencil of rays
- 20 ray
- 21 curved line
- 22 radius of curvature
- 23 centre (*Am. center*) of curvature

24-58 plane surfaces

- 24 symmetrical figure
- 25 axis of symmetry
- 26-32 plane triangles**
- 26 equilateral triangle; [A, B, C: the vertices; a, b, c: the sides; α (alpha), β (beta), γ (gamma): the interior angles; α' , β' , γ' : the exterior angles; S: the centre (*Am. center*)]
- 27 isocles triangle [a, b: the sides (legs); c: the base; h: the perpendicular, an altitude]
- 28 acute-angled triangle with perpendicular bisectors of the sides
- 29 circumcircle (circumscribed circle)

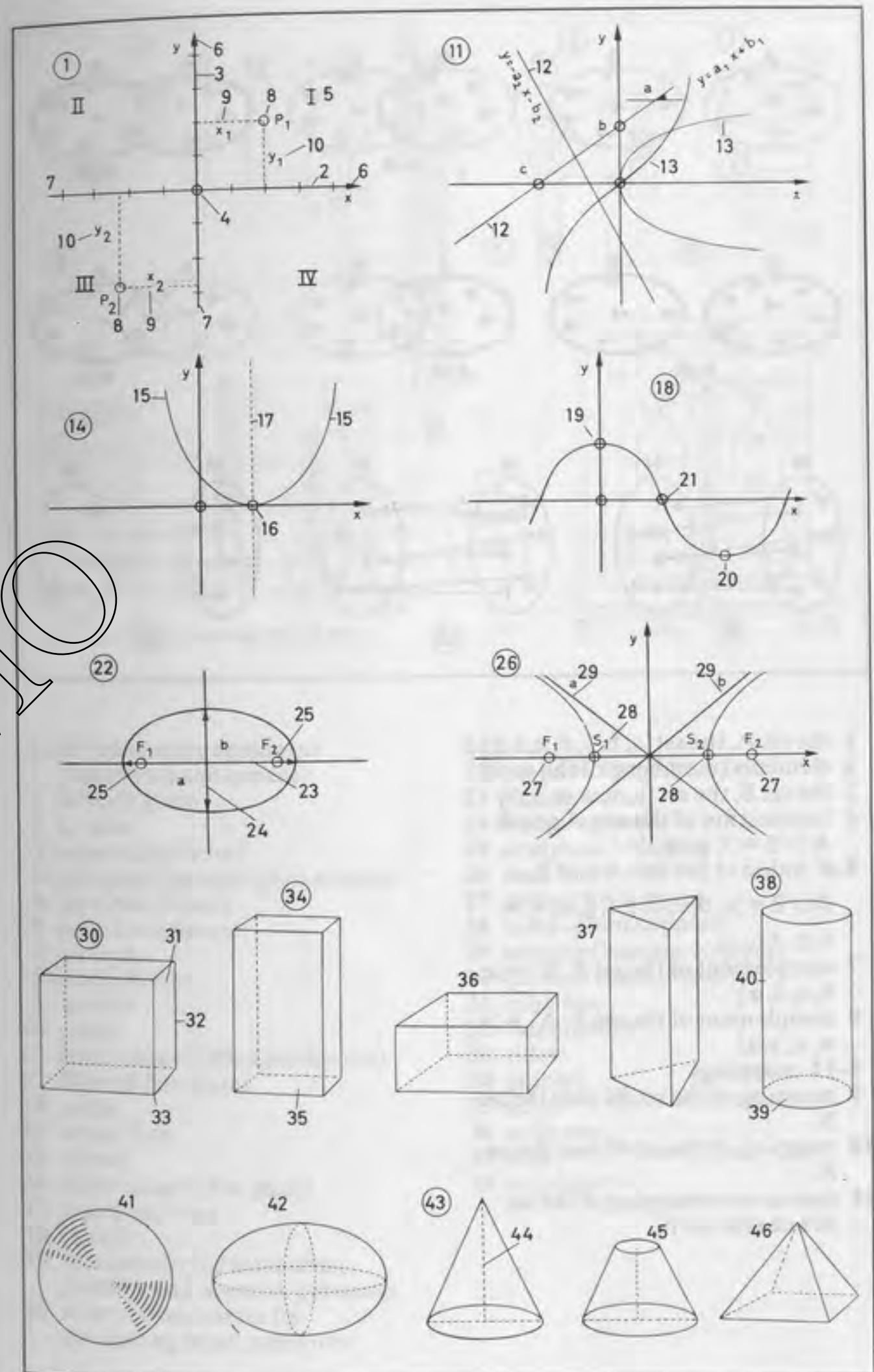
- 30 obtuse-angled triangle with bisectors of the angles
- 31 inscribed circle
- 32 right-angled triangle and the trigonometrical functions of angles; [a, b: the catheti; c: the hypotenuse; γ : the right angle; $\frac{a}{c} = \sin \alpha$ (sine); $\frac{b}{c} = \cos \alpha$ (cosine); $\frac{a}{b} = \tan \alpha$ (tangent); $\frac{b}{a} = \cot \alpha$ (cotangent)]

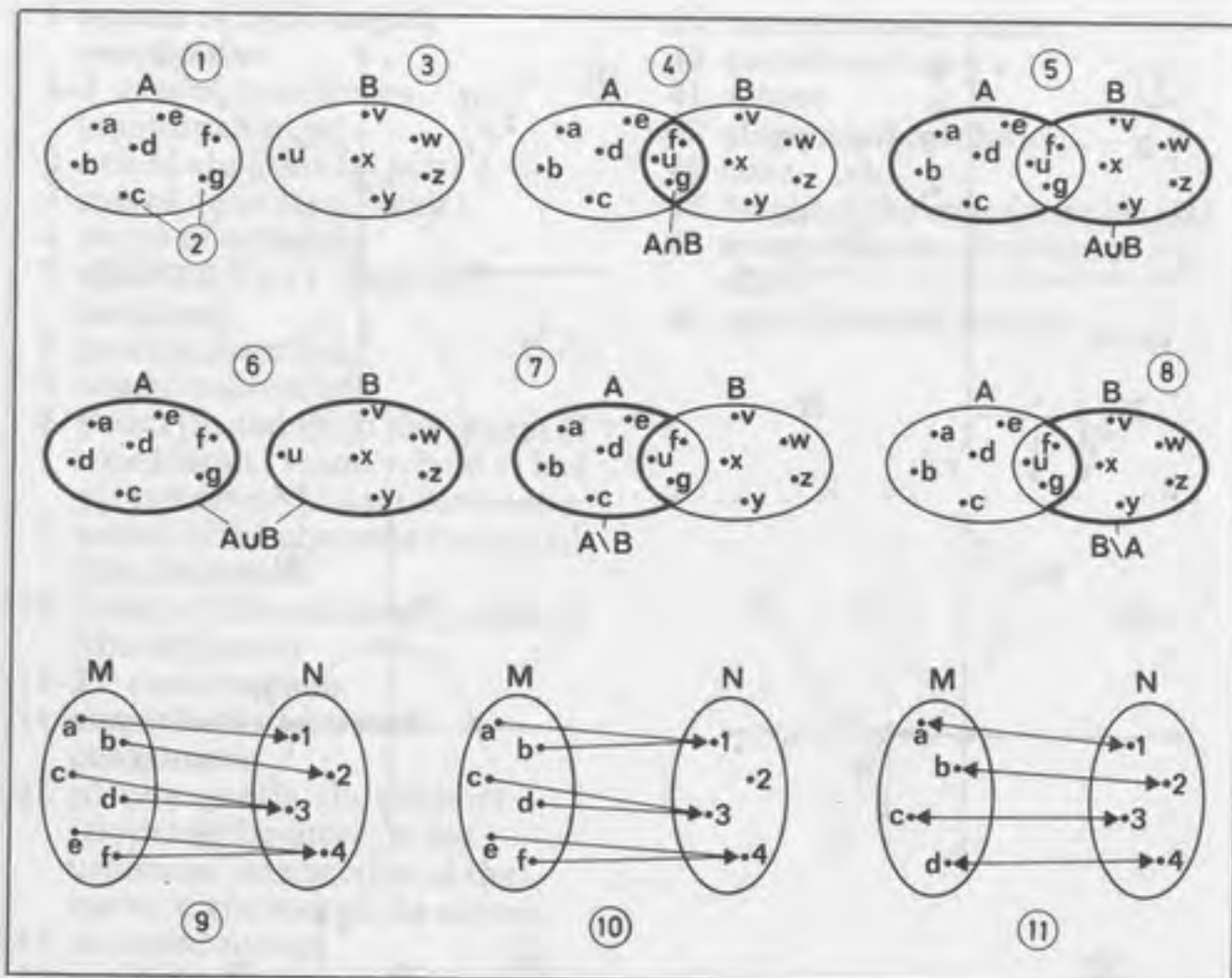
33-39 quadrilaterals

- 33-36 parallelograms
- 33 square [d: a diagonal]
- 34 rectangle
- 35 rhombus (rhomb, lozenge)
- 36 rhomboid
- 37 trapezium
- 38 deltoid (kite)
- 39 irregular quadrilateral
- 40 polygon
- 41 regular polygon
- 42 circle
- 43 centre (*Am. center*)
- 44 circumference (periphery)
- 45 diameter

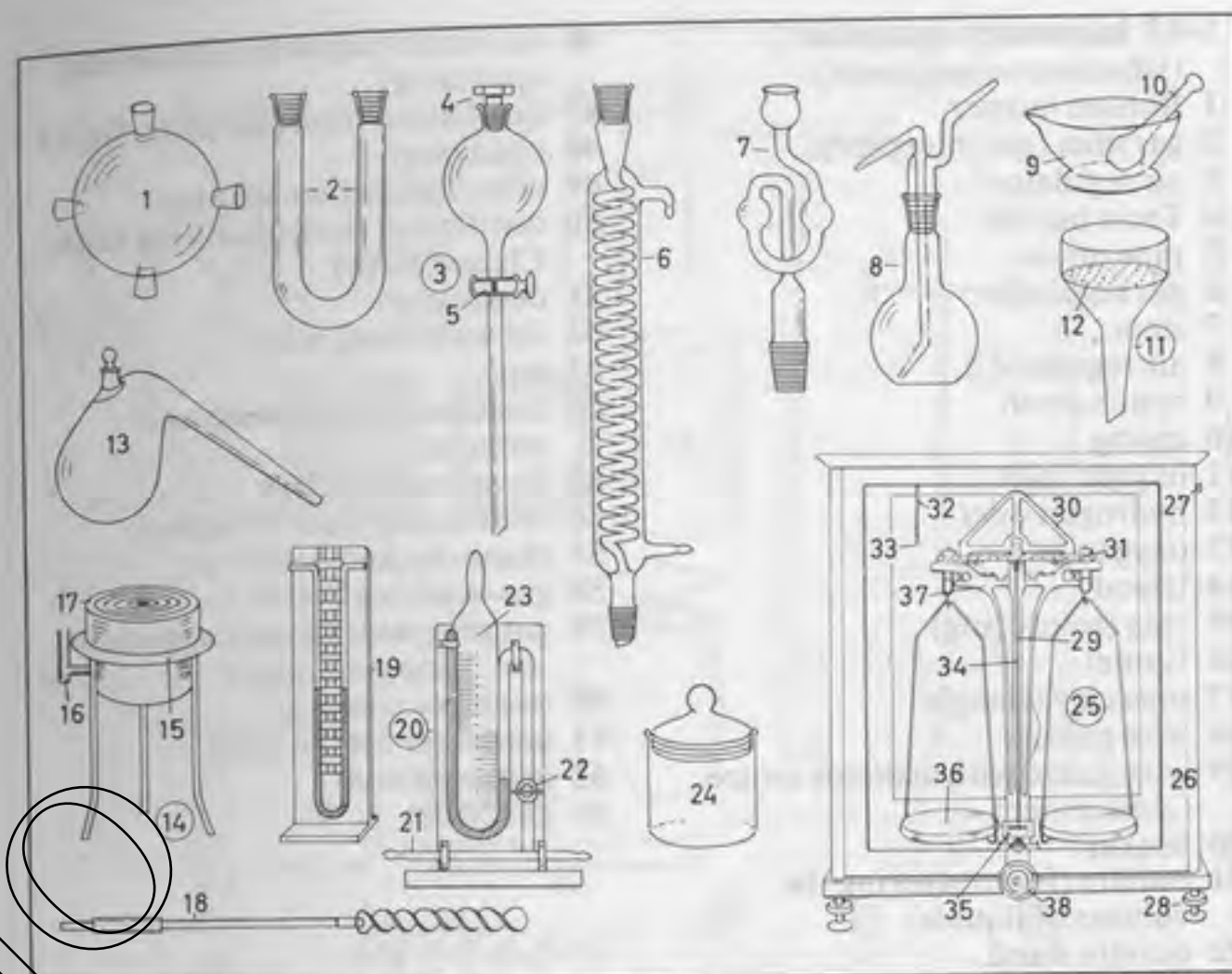
- 46 semicircle
- 47 radius (r)
- 48 tangent
- 49 point of contact (P)
- 50 secant
- 51 the chord AB
- 52 segment
- 53 arc
- 54 sector
- 55 angle subtended by the arc at the centre (*Am. center*) (centre, *Am. center*, angle)
- 56 circumferential angle
- 57 ring (annulus)
- 58 concentric circles

- 1 system of right-angled coordinates
- 2-3 axes of coordinates (coordinate axes)
- 2 axis of abscissae (x-axis)
- 3 axis of ordinates (y-axis)
- 4 origin of ordinates
- 5 quadrant [I - IV: 1st to 4th quadrant]
- 6 positive direction
- 7 negative direction
- 8 points $[P_1$ and $P_2]$ in the system of coordinates; x_1 and y_1 [and x_2 and y_2 respectively] their coordinates
- 9 values of the abscissae [x_1 and x_2] (the abscissae)
- 10 values of the ordinates [y_1 and y_2] (the ordinates)
- 11-29 conic sections
- 11 curves in the system of coordinates
- 12 plane curves [a: the gradient (slope) of the curve; b: the ordinates' intersection of the curve; c: the root of the curve]
- 13 inflected curves
- 14 parabola, a curve of the second degree
- 15 branches of the parabola
- 16 vertex of the parabola
- 17 axis of the parabola
- 18 a curve of the third degree
- 19 maximum of the curve
- 20 minimum of the curve
- 21 point of inflexion (of inflection)
- 22 ellipse
- 23 transverse axis (major axis)
- 24 conjugate axis (minor axis)
- 25 foci of the ellipse [F_1 and F_2]
- 26 hyperbola
- 27 foci [F_1 and F_2]
- 28 vertices [S_1 and S_2]
- 29 asymptotes [a and b]
- 30-46 solids
- 30 cube
- 31 square, a plane (plane surface)
- 32 edge
- 33 corner
- 34 quadratic prism
- 35 base
- 36 parallelepiped
- 37 triangular prism
- 38 cylinder, a right cylinder
- 39 base, a circular plane
- 40 curved surface
- 41 sphere
- 42 ellipsoid of revolution
- 43 cone
- 44 height of the cone (cone height)
- 45 truncated cone (frustum of a cone)
- 46 quadrilateral pyramid





- 1 the set A, the set $\{a, b, c, d, e, f, g\}$
- 2 elements (members) of the set A
- 3 the set B, the set $\{u, v, w, x, y, z\}$
- 4 intersection of the sets A and B,
 $A \cap B = \{f, g, u\}$
- 5-6 union of the sets A and B,
 $A \cup B = \{a, b, c, d, e, f, g, u, v, w, x, y, z\}$
- 7 complement of the set B, $B^c = \{a, b, c, d, e\}$
- 8 complement of the set A, $A^c = \{v, w, x, y, z\}$
- 9-11 mappings
- 9 mapping of the set M onto the set N
- 10 mapping of the set M into the set N
- 11 one-to-one mapping of the set M onto the set N



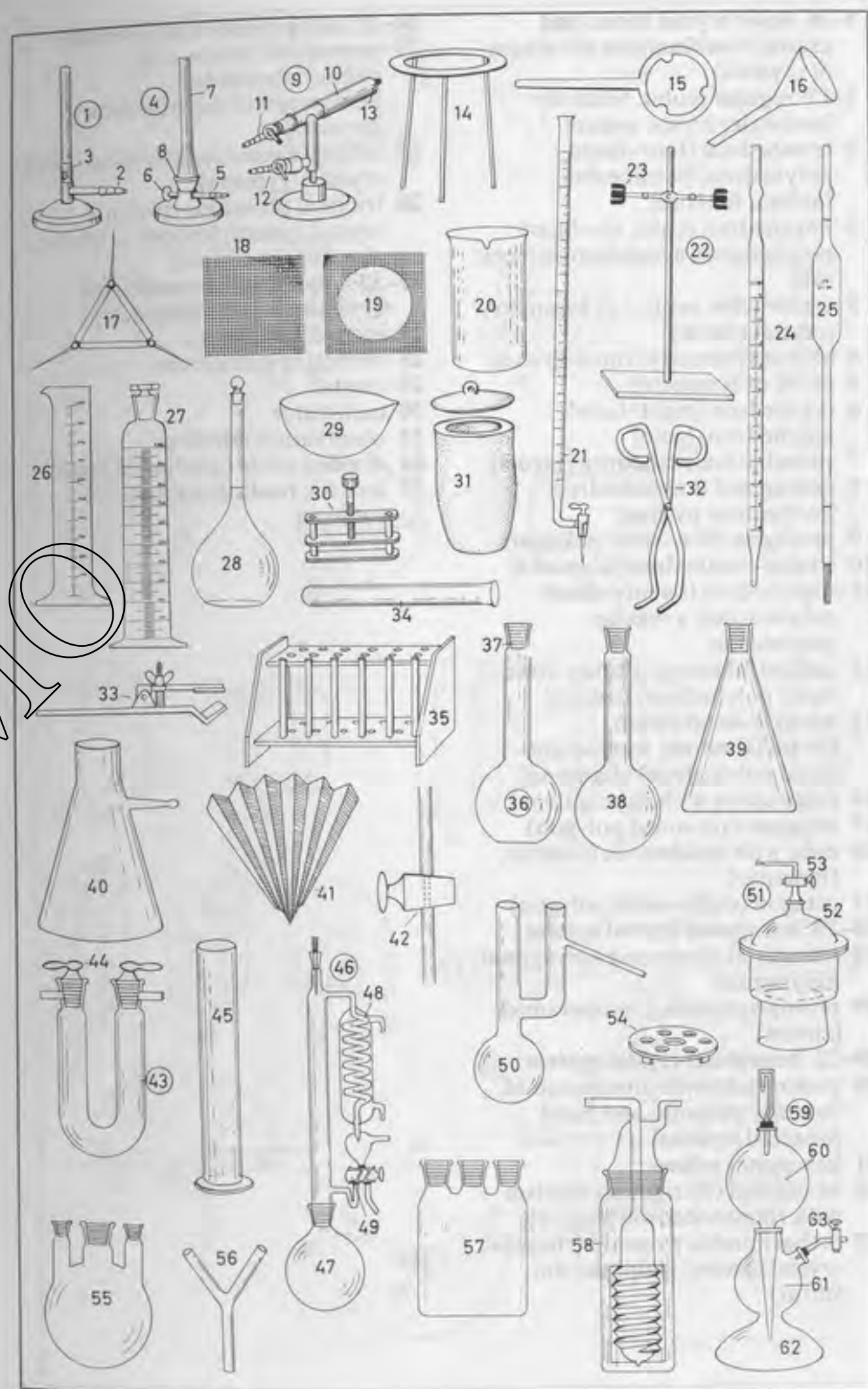
1-38 laboratory apparatus (laboratory equipment)

- 1 Scheidt globe
- 2 U-tube
- 3 separating funnel
- 4 octagonal ground-glass stopper
- 5 tap (Am. faucet)
- 6 coiled condenser
- 7 air lock
- 8 wash-bottle
- 9 mortar
- 10 pestle
- 11 filter funnel (Büchner funnel)
- 12 filter (filter plate)
- 13 retort
- 14 water bath
- 15 tripod
- 16 water gauge (Am. gage)
- 17 insertion rings
- 18 stirrer
- 19 manometer for measuring positive and negative pressures
- 20 mirror manometer for measuring small pressures
- 21 inlet
- 22 tap (Am. faucet)
- 23 sliding scale
- 24 weighing bottle
- 25 analytical balance
- 26 case
- 27 sliding front panel
- 28 three-point support
- 29 column (balance column)
- 30 balance beam (beam)
- 31 rider bar
- 32 rider holder
- 33 rider
- 34 pointer
- 35 scale
- 36 scale pan
- 37 stop
- 38 stop knob

1-63 laboratory apparatus
(laboratory equipment)

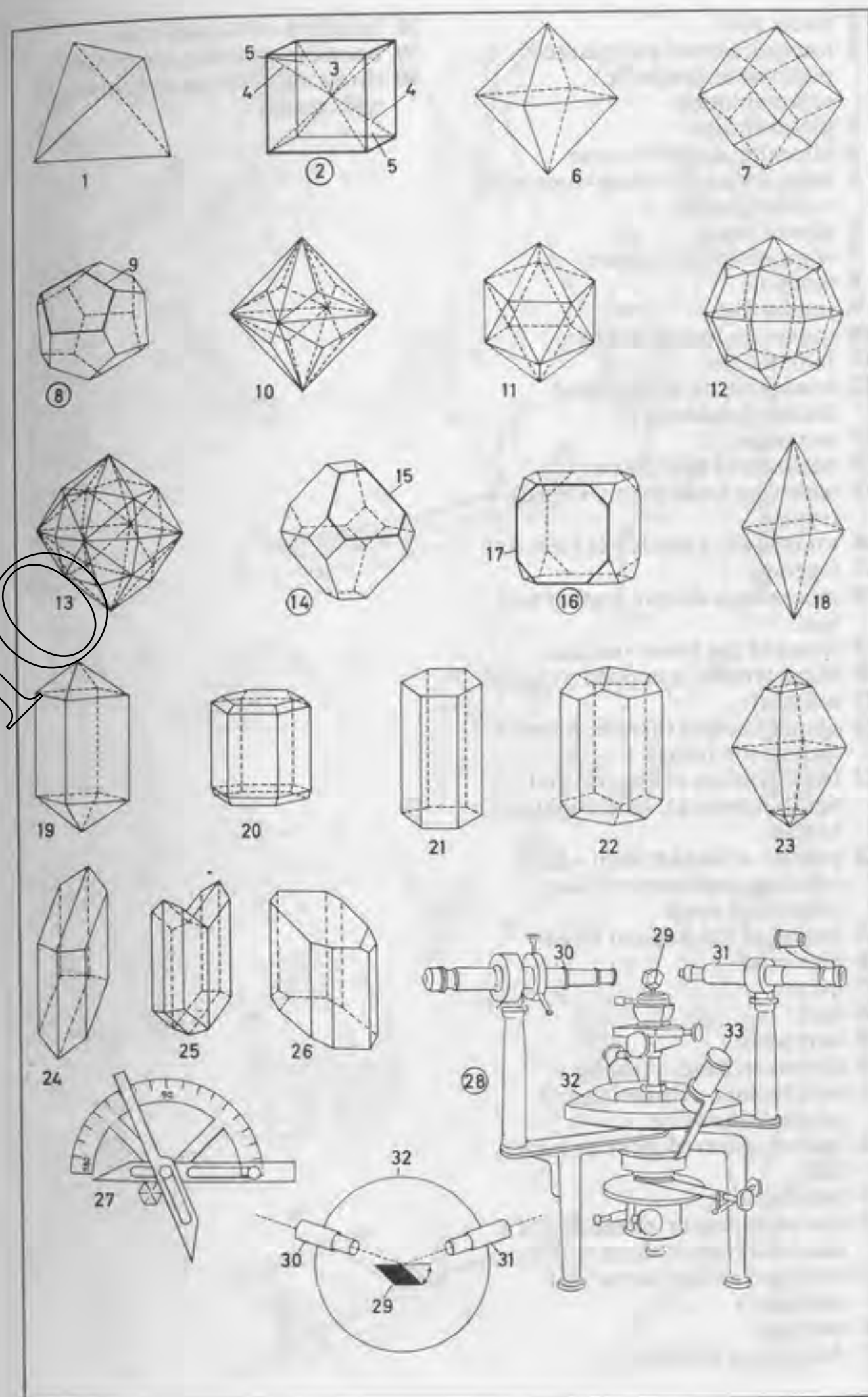
- 1 Bunsen burner
- 2 gas inlet (gas inlet pipe)
- 3 air regulator
- 4 Teclu burner
- 5 pipe union
- 6 gas regulator
- 7 stem
- 8 air regulator
- 9 bench torch
- 10 casing
- 11 oxygen inlet
- 12 hydrogen inlet
- 13 oxygen jet
- 14 tripod
- 15 ring (retort ring)
- 16 funnel
- 17 pipe clay triangle
- 18 wire gauze
- 19 wire gauze with asbestos centre
(Am. center)
- 20 beaker
- 21 burette (for measuring the
volume of liquids)
- 22 burette stand
- 23 burette clamp
- 24 graduated pipette
- 25 pipette
- 26 measuring cylinder (measuring
glass)
- 27 measuring flask
- 28 volumetric flask
- 29 evaporating dish (evaporating
basin), made of porcelain
- 30 tube clamp (tube clip,
pinchcock)
- 31 clay crucible with lid
- 32 crucible tongs
- 33 clamp
- 34 test tube
- 35 test tube rack
- 36 flat-bottomed flask
- 37 ground glass neck
- 38 long-necked round-bottomed
flask
- 39 Erlenmeyer flask (conical flask)
- 40 filter flask
- 41 fluted filter
- 42 one-way tap
- 43 calcium chloride tube
- 44 stopper with tap
- 45 cylinder

- 46 distillation apparatus (distilling
apparatus)
- 47 distillation flask (distilling flask)
- 48 condenser
- 49 return tap, a two-way tap
- 50 distillation flask (distilling flask,
Claisen flask)
- 51 desiccator
- 52 lid with fitted tube
- 53 tap
- 54 desiccator insert made of
porcelain
- 55 three-necked flask
- 56 connecting piece (Y-tube)
- 57 three-necked bottle
- 58 gas-washing bottle
- 59 gas generator (Kipp's apparatus,
Am. Kipp generator)
- 60 overflow container
- 61 container for the solid
- 62 acid container
- 63 gas outlet



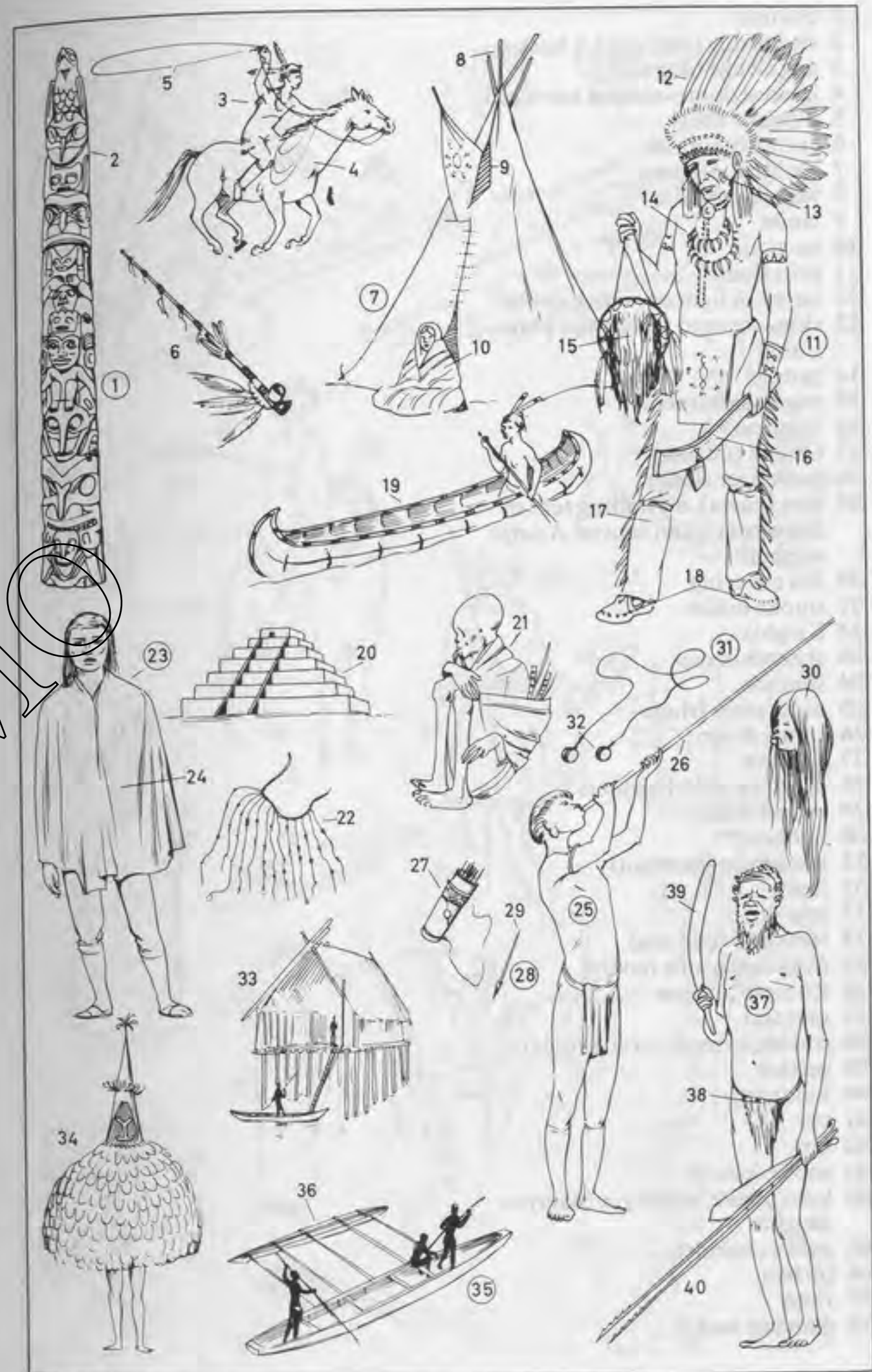
- 1-26 basic crystal forms and crystal combinations** (structure of crystals)
- 1-17 regular** (cubic, tesseral, isometric) crystal system
- 1 tetrahedron (four-faced polyhedron) [tetrahedrite, fahlerz, fahl ore]
 - 2 hexahedron (cube, six-faced polyhedron), a holohedron [rock salt]
 - 3 centre (*Am.* center) of symmetry (crystal centre)
 - 4 axis of symmetry (rotation axis)
 - 5 plane of symmetry
 - 6 octahedron (eight-faced polyhedron) [gold]
 - 7 rhombic dodecahedron [garnet]
 - 8 pentagonal dodecahedron [pyrite, iron pyrites]
 - 9 pentagon (five-sided polygon)
 - 10 triakis-octahedron [diamond]
 - 11 icosahedron (twenty-faced polyhedron), a regular polyhedron
 - 12 icositetrahedron (twenty-four-faced polyhedron) [leucite]
 - 13 hexakis-octahedron (hexoctahedron, forty-eight-faced polyhedron) [diamond]
 - 14 octahedron with cube [galena]
 - 15 hexagon (six-sided polygon)
 - 16 cube with octahedron [fluorite, fluorspar]
 - 17 octagon (eight-sided polygon)
- 18-19 tetragonal crystal system**
- 18 tetragonal dipyramid (tetragonal bipyramid)
 - 19 protoprism with protopyramid [zircon]
- 20-22 hexagonal crystal system**
- 20 protoprism with protopyramid, deutero-pyramid and basal pinacoid [apatite]
 - 21 hexagonal prism
 - 22 hexagonal (ditrigonal) biprism with rhombohedron [calcite]
 - 23 orthorhombic pyramid (rhombic crystal system) [sulphur, *Am.* sulfur]

- 24-25 monoclinic crystal system**
- 24 monoclinic prism with clinopinacoid and hemipyramid (hemihedron) [gypsum]
 - 25 orthopinacoid (swallow-tail twin crystal) [gypsum]
- 26 triclinic pinacoids** (triclinic crystal system) [copper sulphate, *Am.* copper sulfate]
- 27-33 apparatus for measuring crystals** (for crystallography)
- 27 contact goniometer
 - 28 reflecting goniometer
 - 29 crystal
 - 30 collimator
 - 31 observation telescope
 - 32 divided circle (graduated circle)
 - 33 lens for reading the angle of rotation



- 1 totem pole
- 2 totem, a carved and painted pictorial or symbolic representation
- 3 plains Indian
- 4 mustang, a prairie horse
- 5 lasso, a long throwing-rope with running noose
- 6 pipe of peace
- 7 wigwam (tepee, teepee)
- 8 tent pole
- 9 smoke flap
- 10 squaw, an Indian woman
- 11 Indian chief
- 12 headdress, an ornamental feather headdress
- 13 war paint
- 14 necklace of bear claws
- 15 scalp (cut from enemy's head), a trophy
- 16 tomahawk, a battle axe (*Am. ax*)
- 17 leggings
- 18 moccasin, a shoe of leather and bast
- 19 canoe of the forest Indians
- 20 Maya temple, a stepped pyramid
- 21 mummy
- 22 quipa (knotted threads, knotted code of the Incas)
- 23 Indio (Indian of Central and South America); *here*: highland Indian
- 24 poncho, a blanket with a head opening used as an armless cloak-like wrap
- 25 Indian of the tropical forest
- 26 blowpipe
- 27 quiver
- 28 dart
- 29 dart point
- 30 shrunken head, a trophy
- 31 bola (bolas), a throwing and entangling device
- 32 leather-covered stone or metal ball
- 33 pile dwelling
- 34 duk-duk dancer, a member of a duk-duk (men's secret society)
- 35 outrigger canoe (canoe with outrigger)
- 36 outrigger
- 37 Australian aborigine

- 38 loincloth of human hair
- 39 boomerang, a wooden missile
- 40 throwing stick (spear thrower) with spears



- 1 Eskimo
- 2 sledge dog (sled dog), a husky
- 3 dog sledge (dog sled)
- 4 igloo, a dome-shaped snow hut
- 5 block of snow
- 6 entrance tunnel
- 7 blubber-oil lamp
- 8 wooden missile
- 9 lance
- 10 harpoon
- 11 skin float
- 12 kayak, a light one-man canoe
- 13 skin-covered wooden or bone frame
- 14 paddle
- 15 reindeer harness
- 16 reindeer
- 17 Ostyak (Ostiak)
- 18 passenger sledge
- 19 yurt (yurta), a dwelling tent of the western and central Asiatic nomads
- 20 felt covering
- 21 smoke outlet
- 22 Kirghiz
- 23 sheepskin cap
- 24 shaman
- 25 decorative fringe
- 26 frame drum
- 27 Tibetan
- 28 flintlock with bayonets
- 29 prayer wheel
- 30 felt boot
- 31 houseboat (sampan)
- 32 junk
- 33 mat sail
- 34 rickshaw (ricksha)
- 35 rickshaw coolie (cooly)
- 36 Chinese lantern
- 37 samurai
- 38 padded armour (*Am. armor*)
- 39 geisha
- 40 kimono
- 41 obi
- 42 fan
- 43 coolie (cooly)
- 44 kris (creese, crease), a Malayan dagger
- 45 snake charmer
- 46 turban
- 47 flute
- 48 dancing snake



- 1 camel caravan
- 2 riding animal
- 3 pack animal
- 4 oasis
- 5 grove of palm trees
- 6 bedouin (beduin)
- 7 burnous
- 8 Masai warrior
- 9 headdress (hairdress)
- 10 shield
- 11 painted ox hide
- 12 long-bladed spear
- 13 negro
- 14 dance drum
- 15 throwing knife
- 16 wooden mask
- 17 figure of an ancestor
- 18 slit gong
- 19 drumstick
- 20 dugout, a boat hollowed out of a tree trunk
- 21 negro hut
- 22 negress
- 23 lip plug (labret)
- 24 grinding stone
- 25 Herero woman
- 26 leather cap
- 27 calabash (gourd)
- 28 beehive-shaped hut
- 29 bushman
- 30 earplug
- 31 loincloth
- 32 bow
- 33 knobkerry (knobkerrie), a club with round, knobbed end
- 34 bushman woman making a fire by twirling a stick
- 35 windbreak
- 36 Zulu in dance costume
- 37 dancing stick
- 38 bangle
- 39 ivory war horn
- 40 string of amulets and bones
- 41 pigmy
- 42 magic pipe for exorcising evil spirits
- 43 fetish

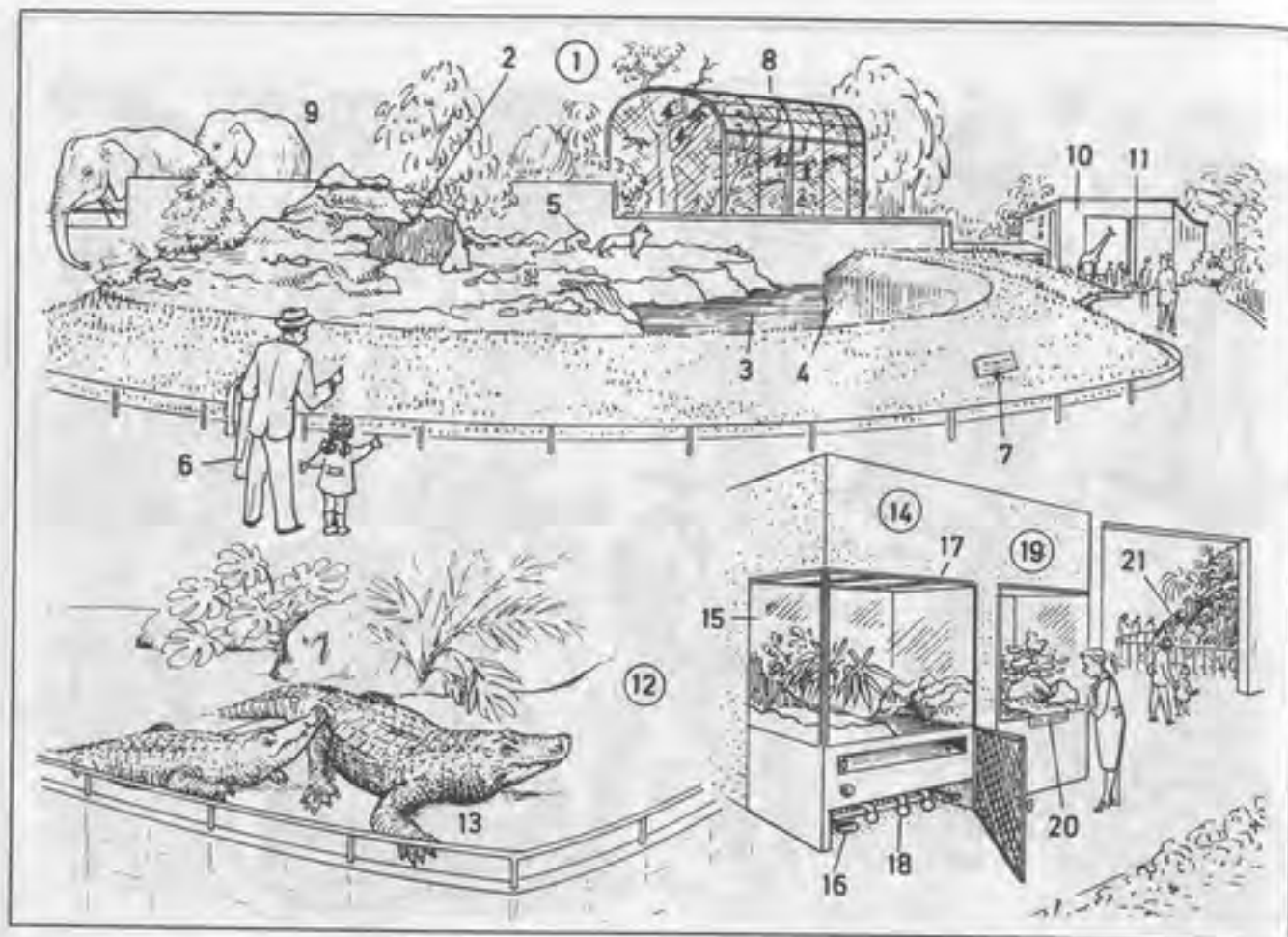




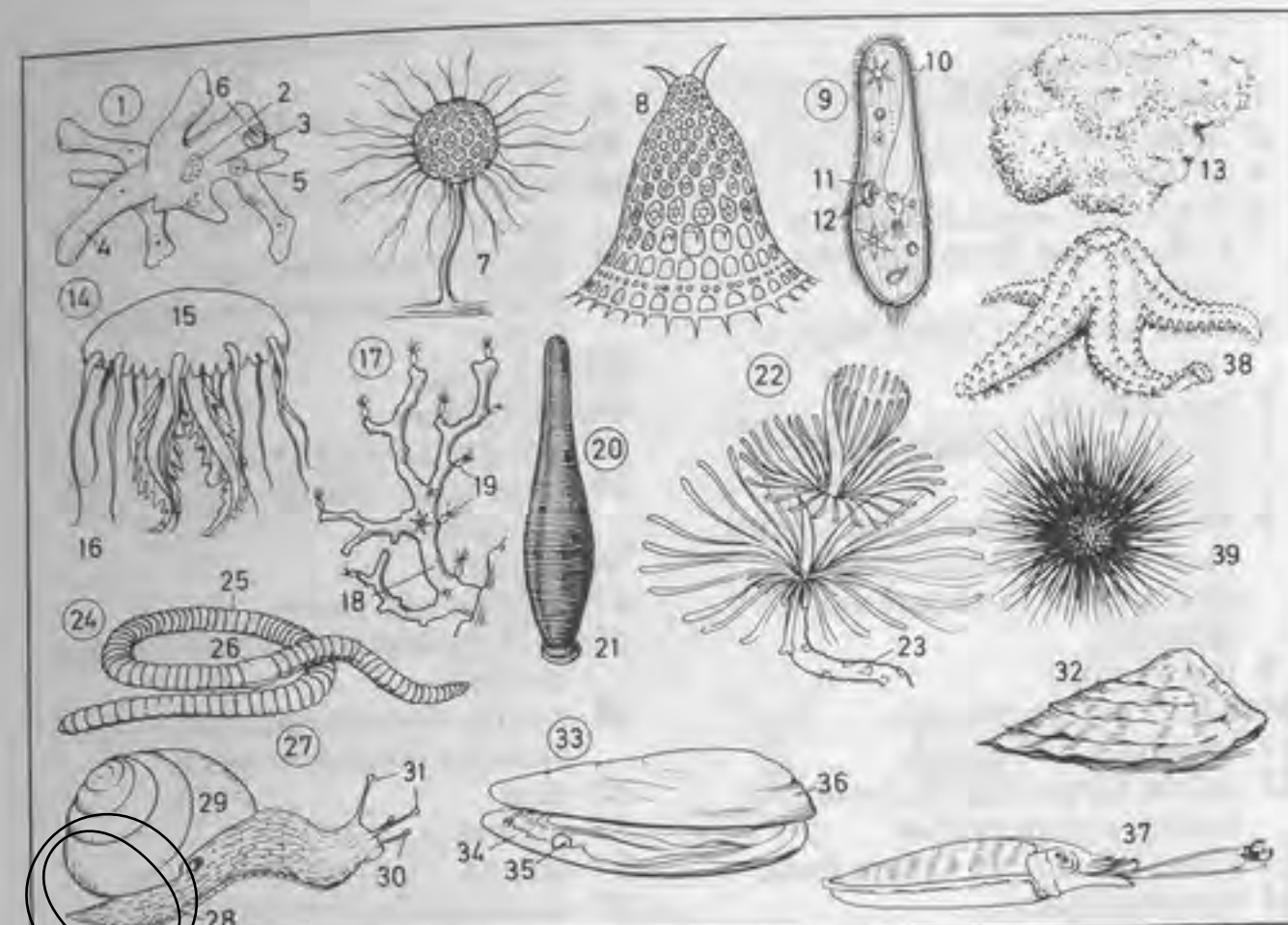
- 1 Greek woman
2 peplos
3 Greek
4 petasus (Thessalonian hat)
5 chiton, a linen gown worn as a basic garment
6 himation, woollen (*Am.* woolen) cloak
7 Roman woman
8 toupee wig (partial wig)
9 stola
10 palla, a coloured (*Am.* colored) wrap
11 Roman
12 tunica (tunic)
13 toga
14 purple border (purple band)
15 Byzantine empress
16 pearl diadem
17 jewels
18 purple cloak
19 long tunic
20 German princess [13th cent.]
21 crown (diadem)
22 chinband
23 tassel
24 cloak cord
25 girt-up gown (girt-up surcoat, girt-up tunic)
26 cloak
27 German dressed in the Spanish style [ca. 1575]
28 wide-brimmed cap
29 short cloak (Spanish cloak, short cape)
30 padded doublet (stuffed doublet, peasecod)
31 stuffed trunk-hose
32 lansquenet (German mercenary soldier) [ca. 1530]
33 slashed doublet (paned doublet)
34 Pluderhose (loose breeches, paned trunk-hose, slops)
35 woman of Basle [ca. 1525]
36 overgown (gown)
37 undergown (petticoat)
38 woman of Nuremberg [ca. 1500]
39 shoulder cape
40 Burgundian [15th cent.]
41 short doublet
42 piked shoes (peaked shoes, copped shoes, crackowes, poulaines)
43 pattens (clogs)



- 44 young nobleman [ca. 1400]
45 short, padded doublet (short, quilted doublet, jerkin)
46 dagged sleeves (petal-scalloped sleeves)
47 hose
48 Augsburg patrician lady [ca. 1575]
49 puffed sleeve
50 overgown (gown, open gown, sleeveless gown)
51 French lady [ca. 1600]
52 millstone ruff (cartwheel ruff, ruff)
53 corseted waist (wasp waist)
54 gentleman [ca. 1650]
55 wide-brimmed felt hat (cavalier hat)
56 falling collar (wide-falling collar) of linen
57 white lining
58 jack boots (bucket-top boots)
59 lady [ca. 1650]
60 full puffed sleeves (puffed sleeves)
61 gentleman [ca. 1700]
62 three-cornered hat
63 dress sword
64 lady [ca. 1700]
65 lace fontange (high headdress of lace)
66 lace-trimmed loose-hanging gown (loose-fitting housecoat, robe de chambre, negligée, contouche)
67 band of embroidery
68 lady [ca. 1880]
69 bustle
70 lady [ca. 1858]
71 poke bonnet
72 crinoline
73 gentleman of the Biedermeier period
74 high collar (choker collar)
75 embroidered waistcoat (vest)
76 frock coat
77 pigtail wig
78 ribbon (bow)
79 ladies in court dress [ca. 1780]
80 train
81 upswept Rococo coiffure
82 hair decoration
83 panniered overskirt



- 1 outdoor enclosure (enclosure)
- 2 rocks
- 3 moat
- 4 enclosing wall
- 5 animals on show; here: a pride of lions
- 6 visitor to the zoo
- 7 notice
- 8 aviary
- 9 elephant enclosure
- 10 animal house (e.g. carnivore house, giraffe house, elephant house, monkey house)
- 11 outside cage, animals' summer quarters
- 12 reptile enclosure
- 13 Nile crocodile
- 14 terrarium and aquarium
- 15 glass case
- 16 fresh-air inlet
- 17 ventilator
- 18 underfloor heating
- 19 aquarium
- 20 information plate
- 21 flora in artificially maintained climate



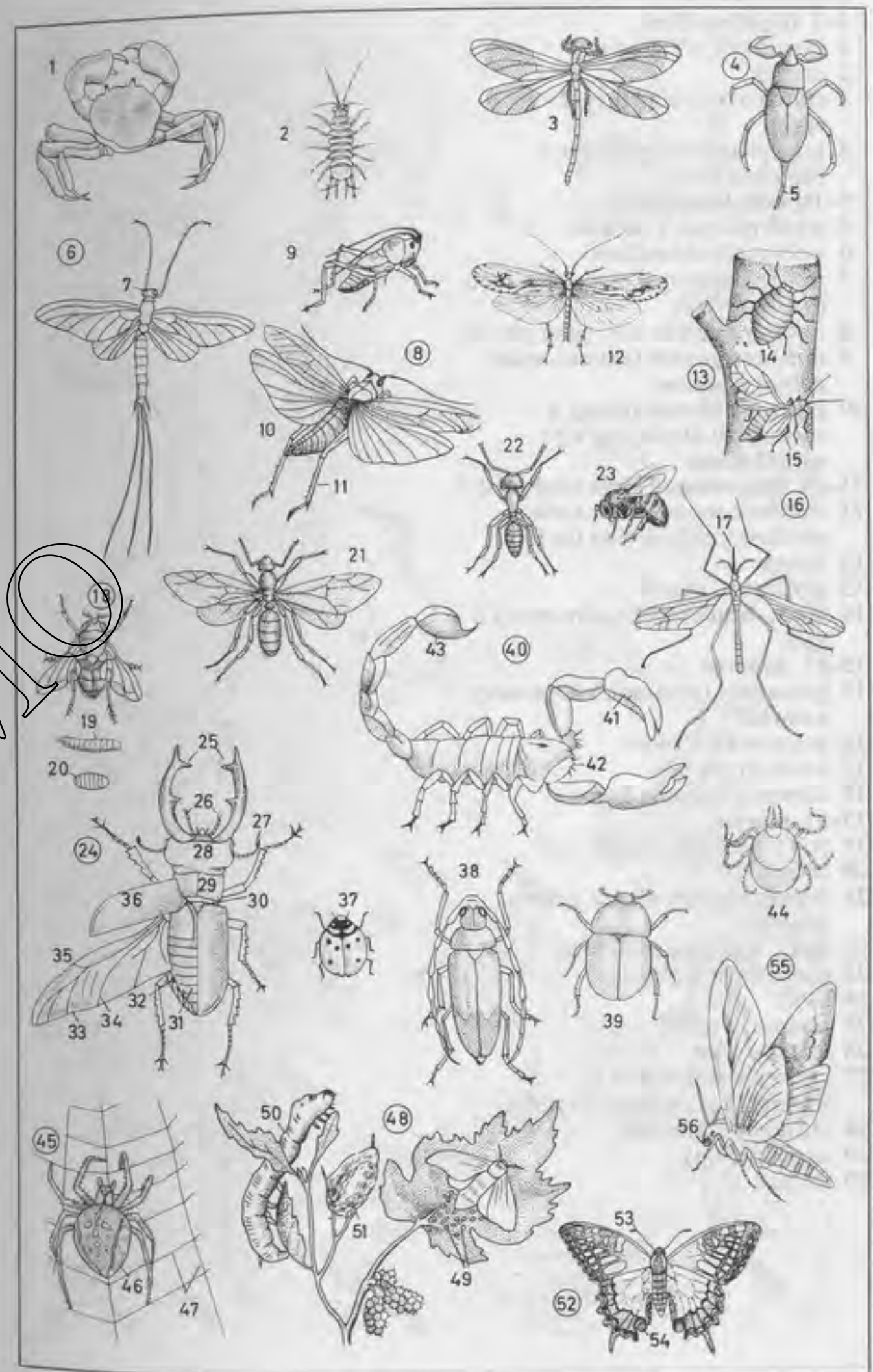
1-12 unicellular (one-celled, single-celled) animals (protozoans)

- 1 amoeba, a rhizopod
 - 2 cell nucleus
 - 3 protoplasm
 - 4 pseudopod
 - 5 excretory vacuole (contractile vacuole, an organelle)
 - 6 food vacuole
 - 7 Actinophrys, a heliozoan
 - 8 radiolarian; here: siliceous skeleton
 - 9 slipper animalcule, a Paramecium
 - 10 cilium
 - 11 macronucleus (meganucleus)
 - 12 micronucleus
- 13-39 multicellular animals (metazoans)**
- 13 bath sponge, a porifer (sponge)
 - 14 medusa, a discomedusa (jellyfish), a coelenterate
 - 15 umbrella
 - 16 tentacle
 - 17 red coral (precious coral), a coral animal (anthozoan, reef-building animal)

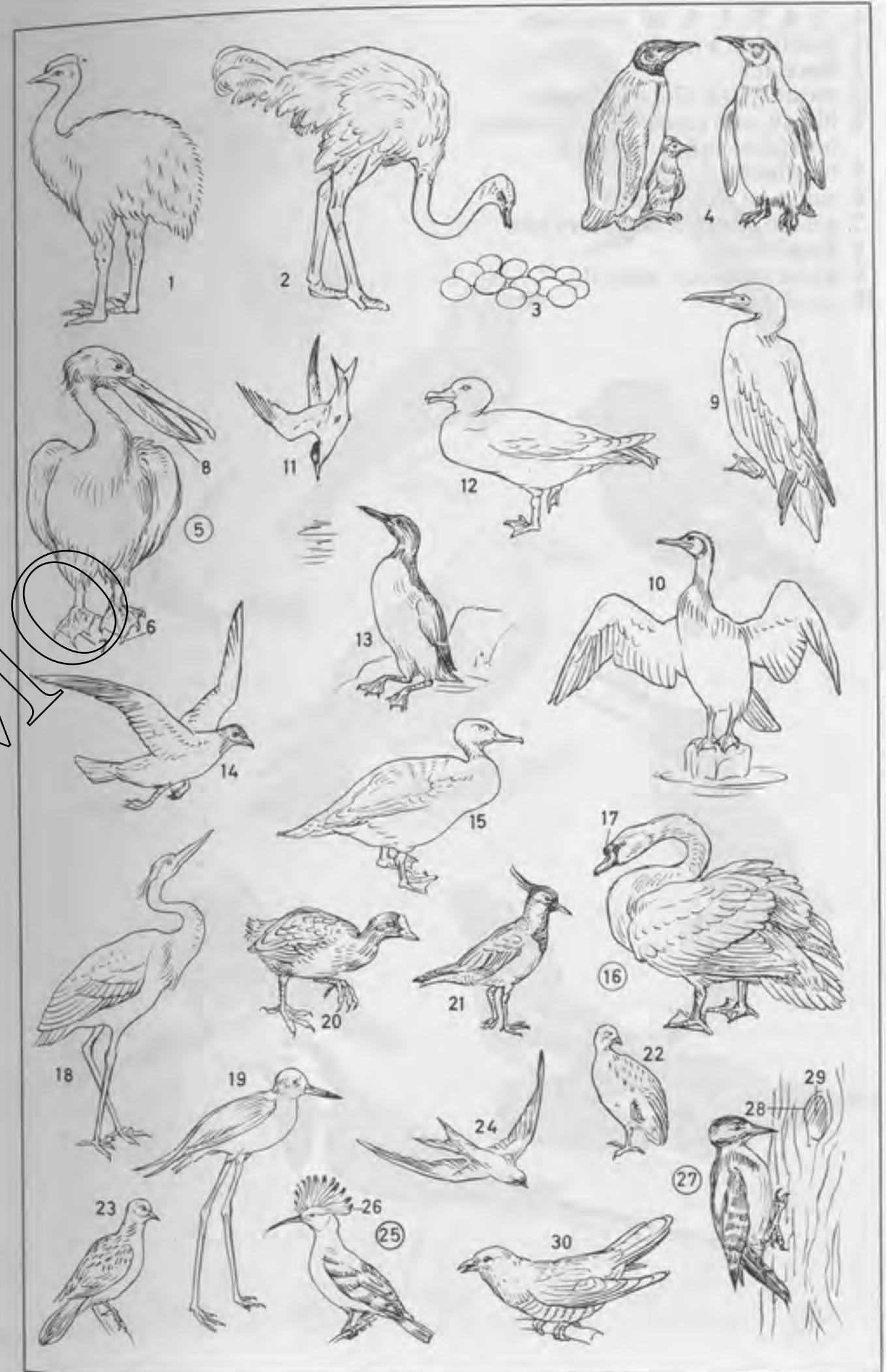
- 18 coral colony
- 19 coral polyp
- 20-26 worms (Vermes)
- 20 leech, an annelid
- 21 sucker
- 22 Spirographis, a bristle worm
- 23 tube
- 24 earthworm
- 25 segment
- 26 clitellum [accessory reproductive organ]
- 27-36 molluscs (*Am. mollusks*)
- 27 edible snail, a snail
- 28 creeping foot
- 29 shell (snail shell)
- 30 stalked eye
- 31 tentacle (horn, feeler)
- 32 oyster
- 33 freshwater pearl mussel
- 34 mother-of-pearl (nacre)
- 35 pearl
- 36 mussel shell
- 37 cuttlefish, a cephalopod
- 38-39 echinoderms
- 38 starfish (sea star)
- 39 sea urchin (sea hedgehog)

- 1-23 arthropods
 1-2 crustaceans
 1 mitten crab, a crab
 2 water slater
 3-23 insects
 3 dragonfly (water nymph), a homopteran (homopterous insect)
 4 water scorpion (water bug), a rhynchophore
 5 raptorial leg
 6 mayfly (dayfly, ephemerid)
 7 compound eye
 8 green grasshopper (green locust, meadow grasshopper), an orthopteron (orthopterous insect)
 9 larva (grub)
 10 adult insect, an imago
 11 leaping hind leg
 12 caddis fly (spring fly, water moth), a neuropteran
 13 aphid (greenfly), a plant louse
 14 wingless aphid
 15 winged aphid
 16-20 dipterous insects (dipterans)
 16 gnat (mosquito, midge), a culicid
 17 proboscis (sucking organ)
 18 bluebottle (blowfly), a fly
 19 maggot (larva)
 20 chrysalis (pupa)
 21-23 Hymenoptera
 21-22 ant
 21 winged female
 22 worker
 23 bumblebee (humblebee)
 24-39 beetles (Coleoptera)
 24 stag beetle, a lamellicorn beetle
 25 mandibles
 26 trophi
 27 antenna (feeler)
 28 head
 29-30 thorax
 29 thoracic shield (prothorax)
 30 scutellum
 31 tergites
 32 stigma
 33 wing (hind wing)
 34 nervure
 35 point at which the wing folds
 36 elytron (forewing)
 37 ladybird (ladybug), a coccinellid

- 38 Ergates faber, a longicorn beetle (longicorn)
 39 dung beetle, a lamellicorn beetle
 40-47 arachnids
 40 Euscorpius flavicandus, a scorpion
 41 cheliped with chelicer
 42 maxillary antenna (maxillary feeler)
 43 tail sting
 44-46 spiders
 44 wood tick (dog tick), a tick
 45 cross spider (garden spider), an orb spinner
 46 spinneret
 47 spider's web (web)
 48-56 Lepidoptera (butterflies and moths)
 48 mulberry-feeding moth (silk moth), a bombycid moth
 49 eggs
 50 silkworm
 51 cocoon
 52 swallowtail, a butterfly
 53 antenna (feeler)
 54 eyespot
 55 privet hawkmoth, a hawkmoth (sphinx)
 56 proboscis



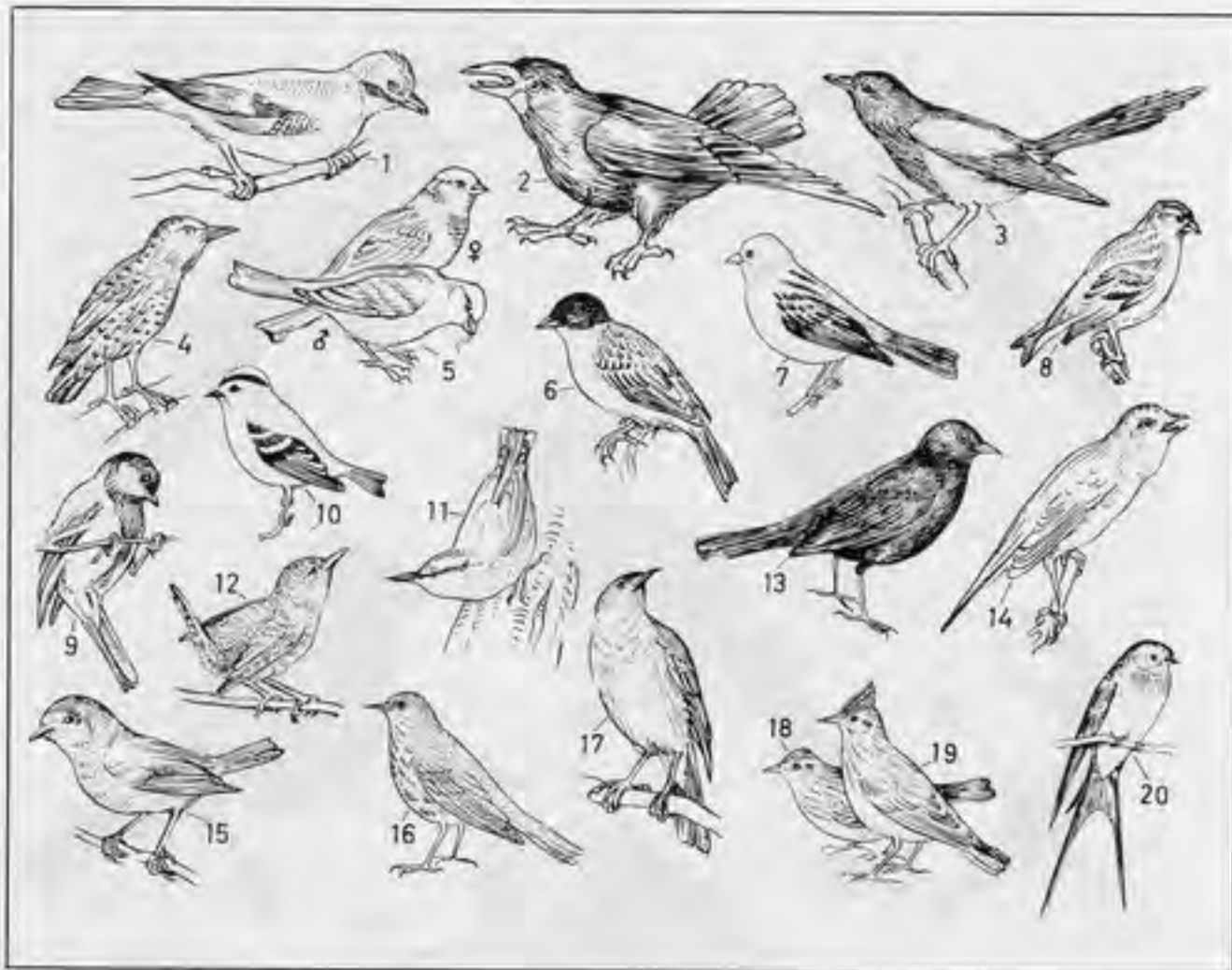
- 1-3 **flightless birds**
 1 cassowary; *sim.*: emu
 2 ostrich
 3 clutch of ostrich eggs [12 - 14 eggs]
 4 king penguin, a penguin, a flightless bird
 5-10 **web-footed birds**
 5 white pelican, a pelican
 6 webfoot (webbed foot)
 7 web (palmations) of webbed foot (palmate foot)
 8 lower mandible with gular pouch
 9 northern gannet (gannet, solan goose), a gannet
 10 green cormorant (shag), a cormorant displaying with spread wings
 11-14 **long-winged birds** (seabirds)
 11 common sea swallow, a sea swallow (tern); diving for food
 12 fulmar
 13 guillemot, an auk
 14 black-headed gull (mire crow), a gull
 15-17 **Anseres**
 15 goosander (common merganser), a sawbill
 16 mute swan, a swan
 17 knob on the bill
 18 common heron, a heron
 19-21 **plovers**
 19 stilt (stilt bird, stilt plover)
 20 coot, a rail
 21 lapwing (green plover, peewit, pewit)
 22 quail, a gallinaceous bird
 23 turtle dove, a pigeon
 24 swift
 25 hoopoe, a roller
 26 erectile crest
 27 spotted woodpecker, a woodpecker; *related*: wryneck
 28 entrance to the nest
 29 nesting cavity
 30 cuckoo



- 1, 3, 4, 5, 7, 9, 10 songbirds
 1 goldfinch, a finch
 2 bee eater
 3 redstart (star finch), a thrush
 4 bluetit, a tit (titmouse), a resident bird (non-migratory bird)
 5 bullfinch
 6 common roller (roller)
 7 golden oriole, a migratory bird
 8 kingfisher
 9 white wagtail, a wagtail
 10 chaffinch

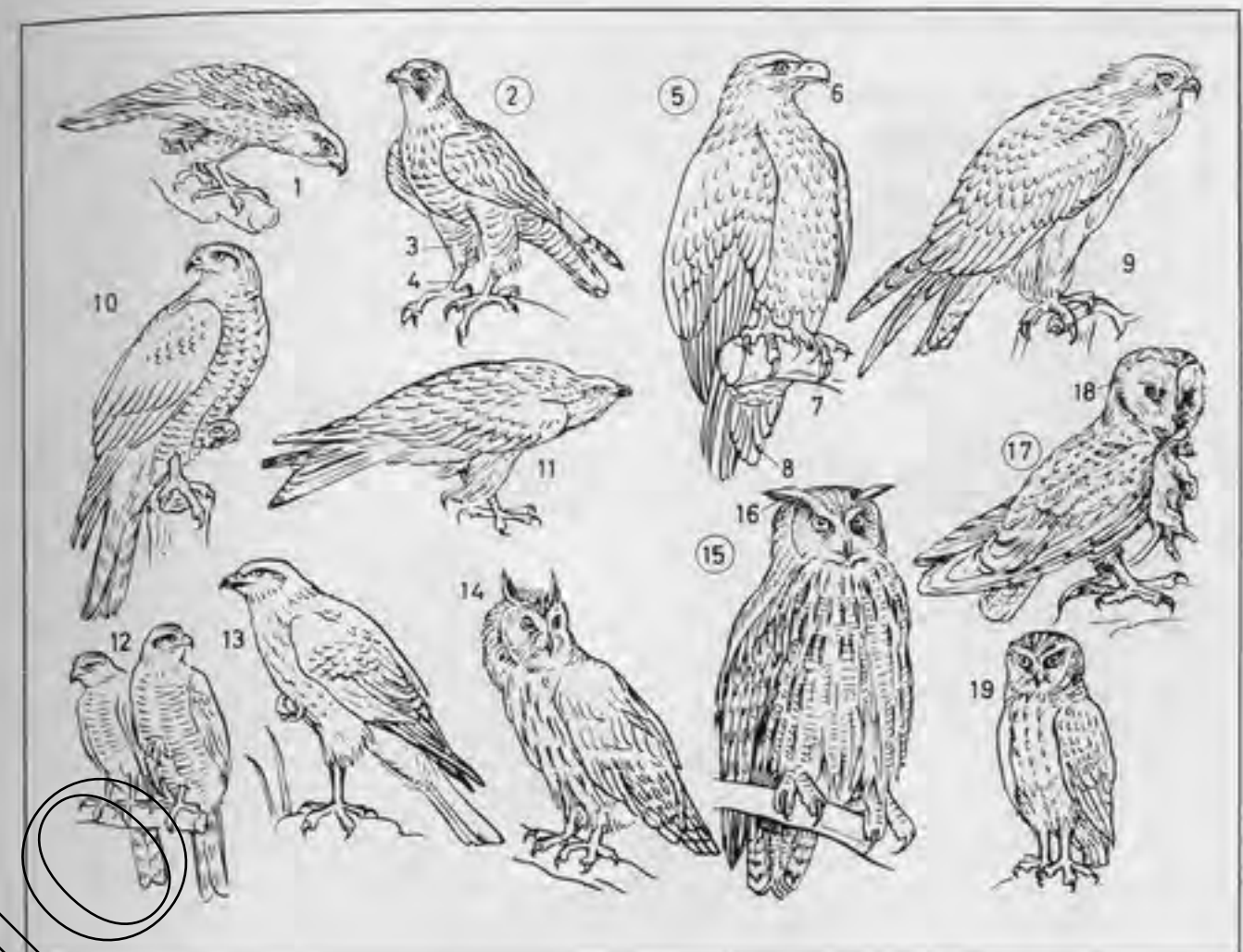


DEMO

**1-20 songbirds****1-3 Corvidae** (corvine birds, crows)

- 1 jay (nutcracker)
- 2 rook, a crow
- 3 magpie
- 4 starling (pastor, shepherd bird)
- 5 house sparrow
- 6-8 finches**
- 6-7 buntings
- 6 yellowhammer (yellow bunting)
- 7 ortolan (ortolan bunting)
- 8 siskin (aberdevine)
- 9 great titmouse (great tit, ox eye), a titmouse (tit)
- 10 golden-crested wren (goldcrest); *sim.*: firecrest, one of the Regulidae
- 11 nuthatch
- 12 wren
- 13-17 thrushes**
- 13 blackbird
- 14 nightingale (*poet.*: philomel, philomela)

- 15 robin (redbreast, robin redbreast)
- 16 song thrush (throstle, mavis)
- 17 thrush nightingale
- 18-19 larks**
- 18 woodlark
- 19 crested lark (tufted lark)
- 20 common swallow (barn swallow, chimney swallow), a swallow

**1-13 diurnal birds of prey**

- 1-4 falcons**
- 1 merlin
- 2 peregrine falcon
- 3 leg feathers
- 4 tarsus
- 5-9 eagles**
- 5 white-tailed sea eagle (white-tailed eagle, grey sea eagle, erne)
- 6 hooked beak
- 7 claw (talon)
- 8 tail
- 9 common buzzard
- 10-13 accipiters**
- 10 goshawk
- 11 common European kite (glede, kite)
- 12 sparrow hawk (spar-hawk)
- 13 marsh harrier (moor buzzard, moor harrier, moor hawk)
- 14-19 owls** (nocturnal birds of prey)
- 14 long-eared owl (horned owl)
- 15 eagle-owl (great horned owl)
- 16 plumicorn (feathered ear, ear tuft, ear, horn)

- 17 barn owl (white owl, silver owl, yellow owl, church owl, screech owl)
- 18 facial disc (disk)
- 19 little owl (sparrow owl)

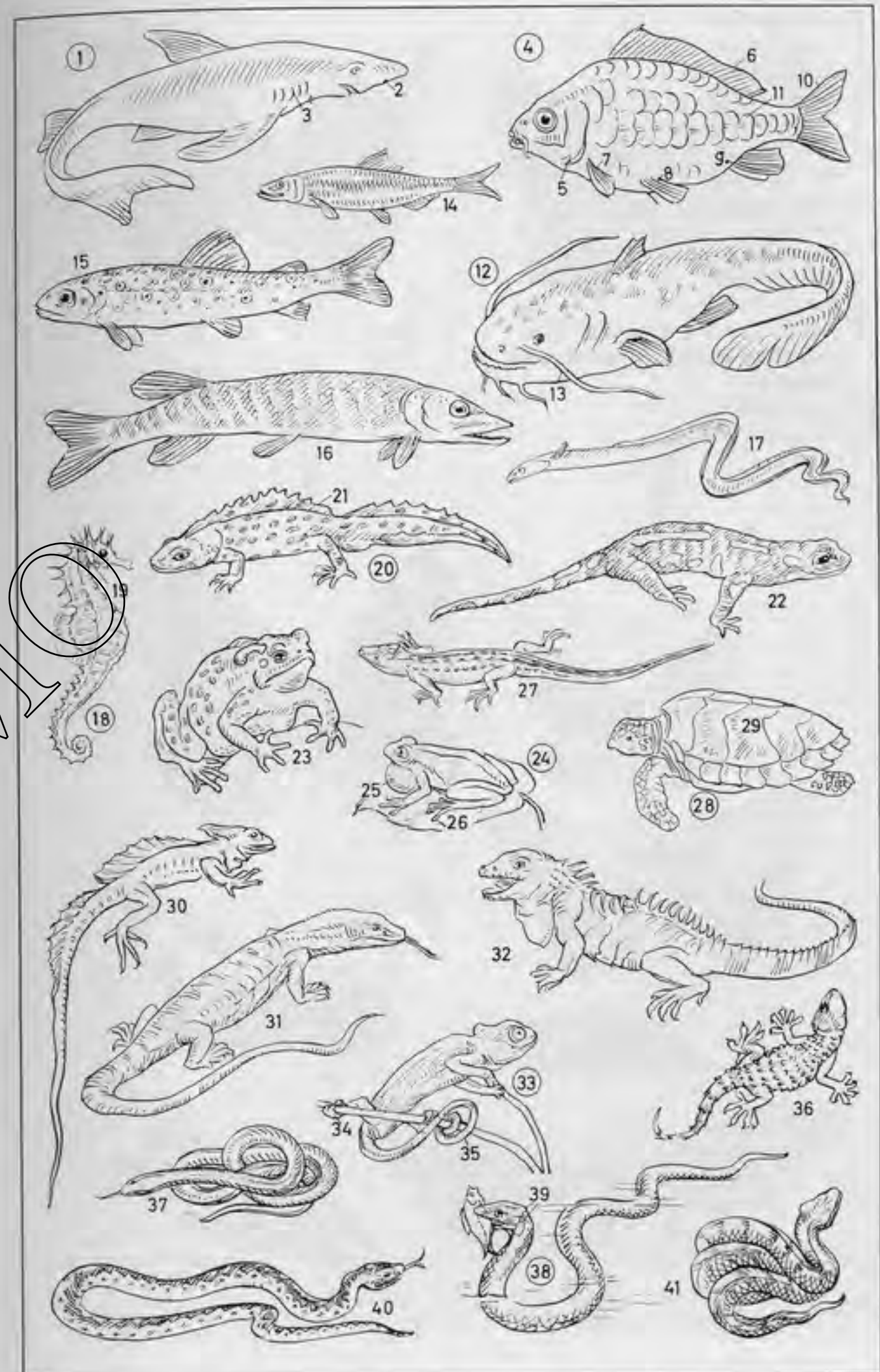
- 1 sulphur-crested cockatoo, a parrot
- 2 blue-and-yellow macaw
- 3 blue bird of paradise
- 4 sappho
- 5 cardinal (cardinal bird)
- 6 toucan (red-billed toucan), one of the Piciformes



DEMO

- 1-18 fishes**
 1 man-eater (blue shark, requin), a shark
 2 nose (snout)
 3 gill slit (gill cleft)
 4 mirror carp, a carp
 5 gill cover (operculum)
 6 dorsal fin
 7 pectoral fin
 8 pelvic fin (abdominal fin, ventral fin)
 9 anal fin
 10 caudal fin (tail fin)
 11 scale
 12 catfish (sheatfish, sheathfish, wels)
 13 barbel
 14 herring
 15 brown trout, a trout
 16 pike (northern pike)
 17 freshwater eel (eel)
 18 sea horse (Hippocampus, horsefish)
 19 tufted gills
20-26 Amphibia (amphibians)
 20-22 salamanders
 20 greater water newt (crested newt), a water newt
 21 dorsal crest
 22 fire salamander, a salamander
 23-26 salientians (anurans, batrachians)
 23 European toad, a toad
 24 tree frog (tree toad)
 25 vocal sac (vocal pouch, croaking sac)
 26 adhesive disc (disk)
27-41 reptiles
27, 30-37 lizards
 27 sand lizard
 28 hawksbill turtle (hawksbill)
 29 carapace (shell)
 30 basilisk
 31 desert monitor, a monitor lizard (monitor)
 32 common iguana, an iguana
 33 chameleon, one of the Chamaeleontidae (Rhiptoglossa)
 34 prehensile foot
 35 prehensile tail
 36 wall gecko, a gecko
 37 slowworm (blindworm), one of the Anguidae

- 38-41 snakes**
 38 ringed snake (ring snake, water snake, grass snake), a colubrid
 39 collar
40-41 vipers (adders)
 40 common viper, a poisonous (venomous) snake
 41 asp (asp viper)



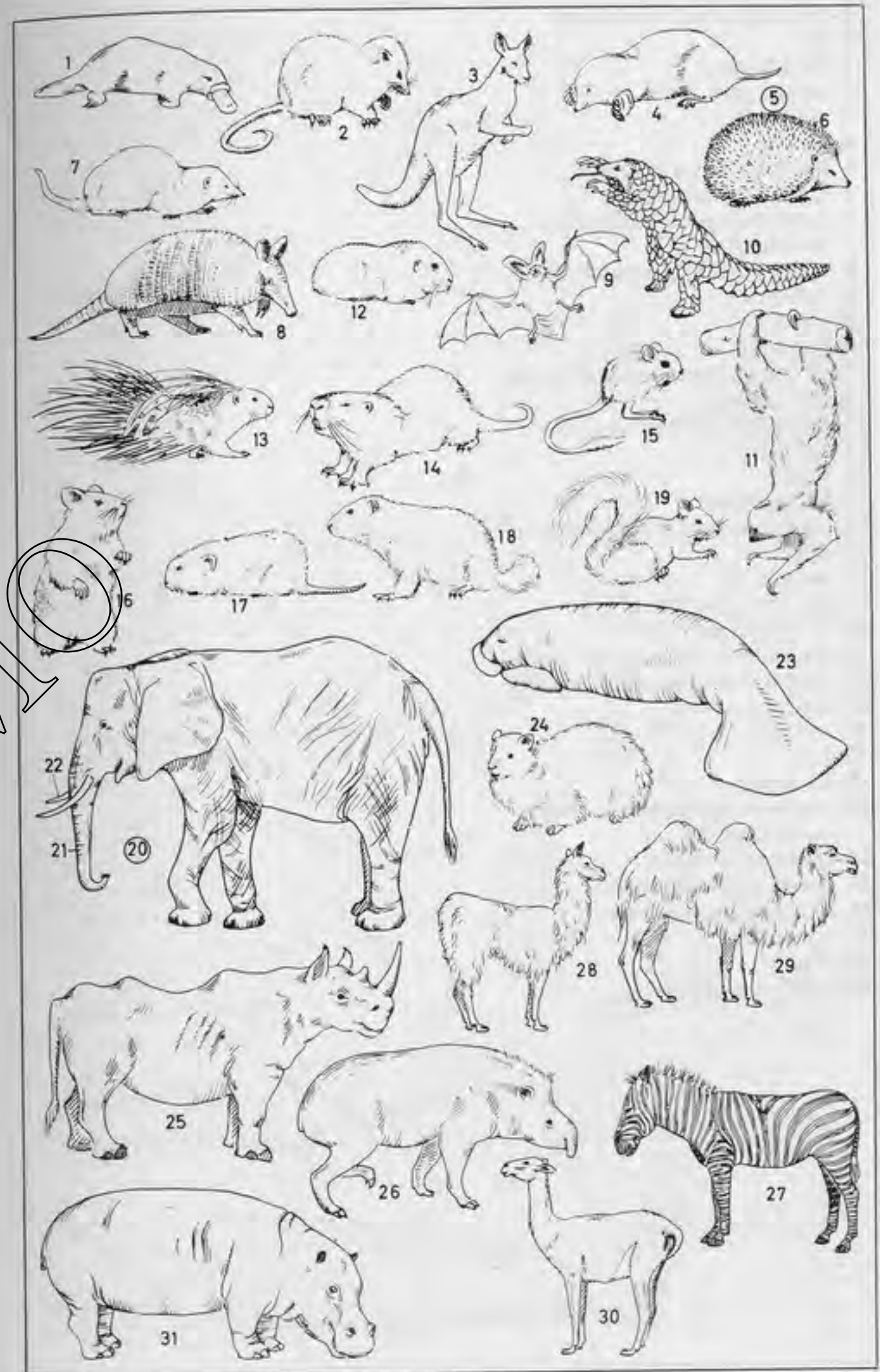
1-6 butterflies

- 1 red admiral
 - 2 peacock butterfly
 - 3 orange tip (orange tip butterfly)
 - 4 brimstone (brimstone butterfly)
 - 5 Camberwell beauty (mourning cloak, mourning cloak butterfly)
 - 6 blue (lycaenid butterfly, lycaenid)
- 7-11 moths (Heterocera)
- 7 garden tiger
 - 8 red underwing
 - 9 death's-head moth (death's-head hawkmoth), a hawkmoth (sphinx)
 - 10 caterpillar
 - 11 chrysalis (pupa)

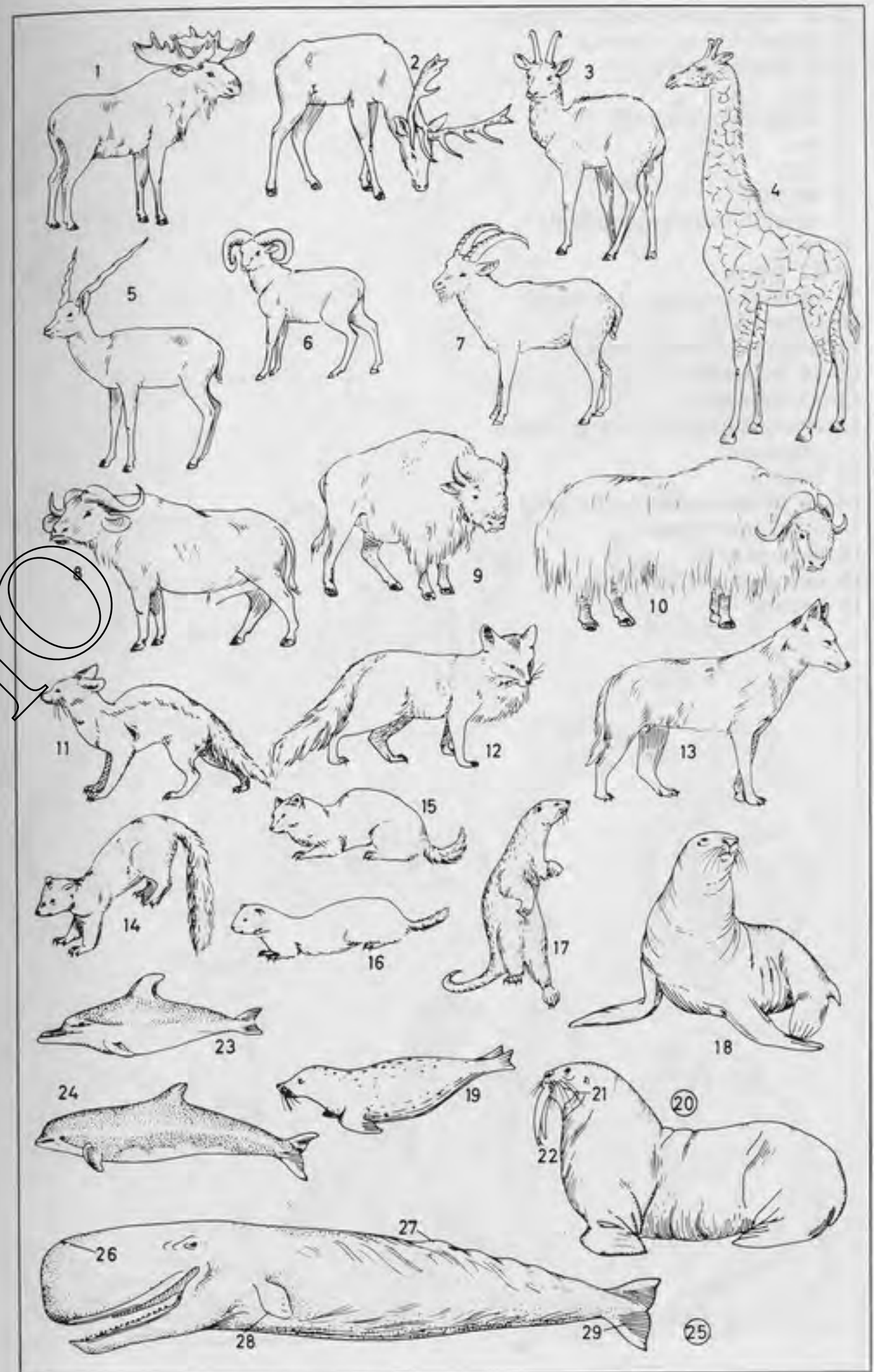


DEMO

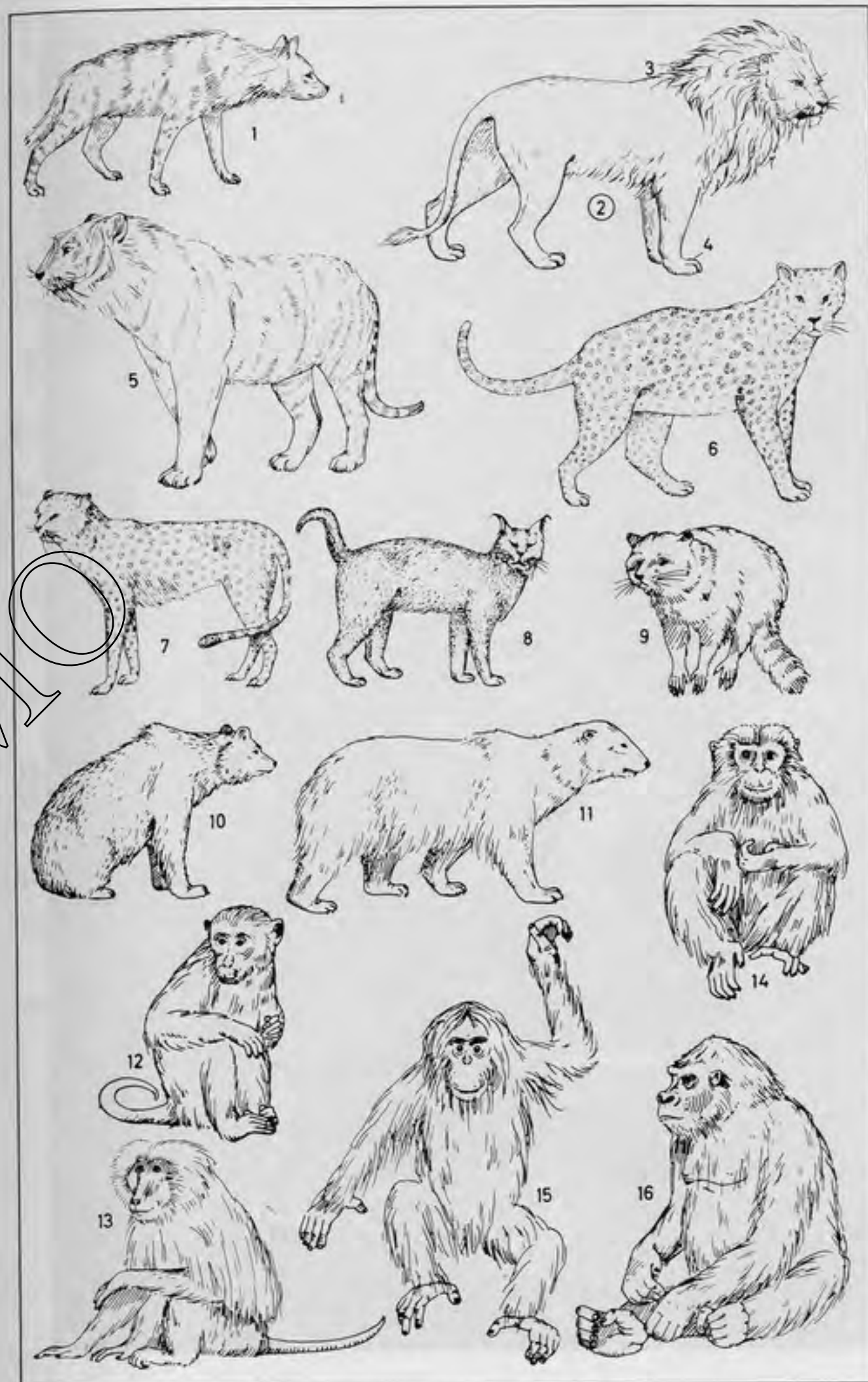
- 1 platypus (duck-bill, duck-mole), a monotreme (oviparous mammal)
- 2-3 marsupial mammals (marsupials)
- 2 New World opossum, a didelphid
- 3 red kangaroo (red flyer), a kangaroo
- 4-7 insectivores (insect-eating mammals)
- 4 mole
- 5 hedgehog
- 6 spine
- 7 shrew (shrew mouse), one of the Soricidae
- 8 nine-banded armadillo (peba)
- 9 long-eared bat (flutter-mouse), a flying mammal (chiropter, chiropteran)
- 10 pangolin (scaly ant-eater), a scaly mammal
- 11 two-toed sloth (unau)
- 12-19 rodents
- 12 guinea pig (cavy)
- 13 porcupine
- 14 beaver
- 15 jerboa
- 16 hamster
- 17 water vole
- 18 marmot
- 19 squirrel
- 20 African elephant, a proboscidean (proboscidian)
- 21 trunk (proboscis)
- 22 tusk
- 23 manatee (manati, lamantin), a sirenian
- 24 South African dassie (das, coney, hyrax), a procaviid
- 25-31 ungulates
- 25-27 odd-toed ungulates
- 25 African black rhino, a rhinoceros (nasicorn)
- 26 Brazilian tapir, a tapir
- 27 zebra
- 28-31 even-toed ungulates
- 28-30 ruminants
- 28 llama
- 29 Bactrian camel (two-humped camel)
- 30 guanaco
- 31 hippopotamus

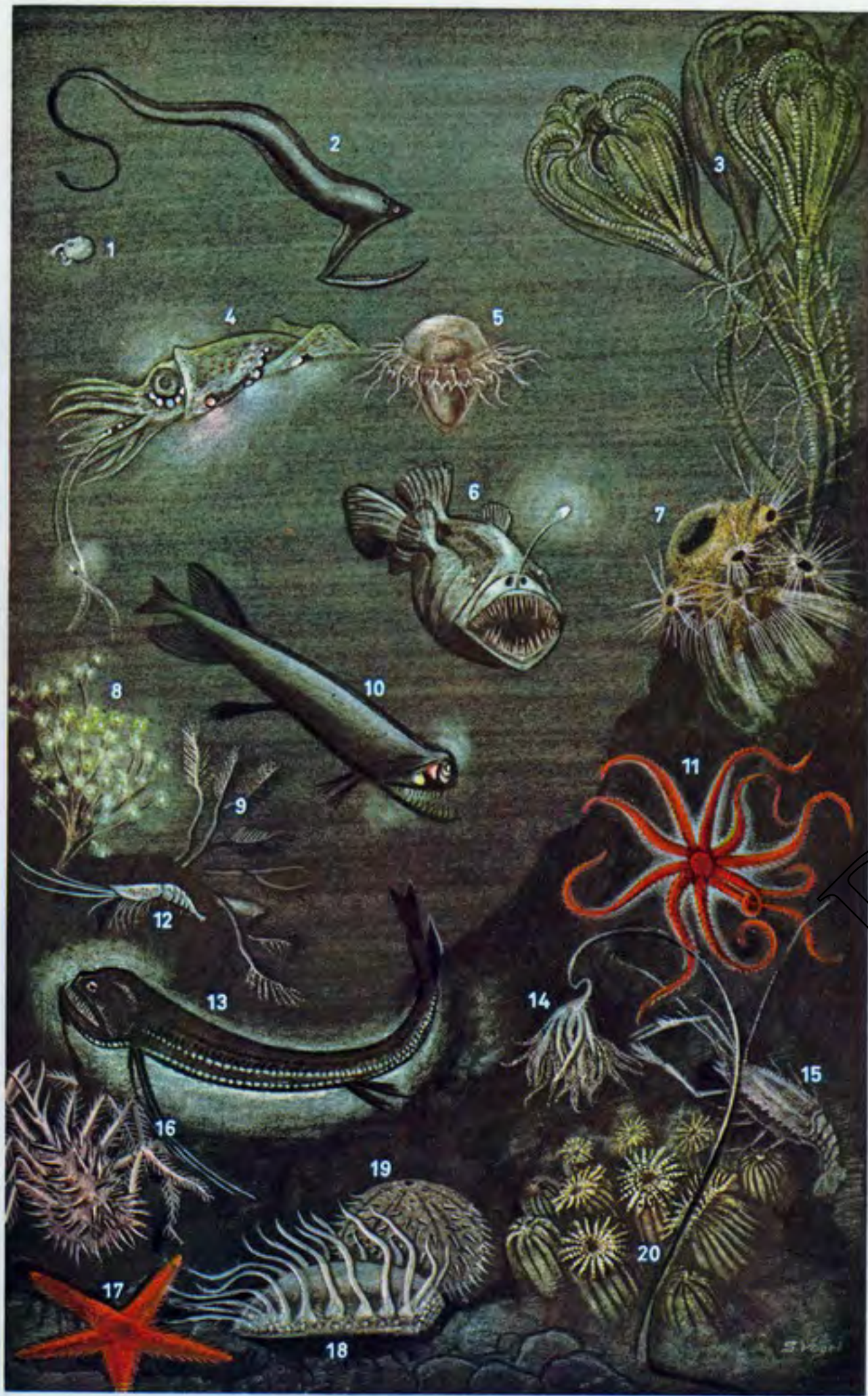


- 1-10 ungulates, ruminants**
1-10
 1 elk (moose)
 2 wapiti (*Am. elk*)
 3 chamois
 4 giraffe
 5 black buck, an antelope
 6 mouflon (mouflon)
 7 ibex (rock goat, bouquetin, steinbock)
 8 water buffalo (Indian buffalo, water ox)
 9 bison
 10 musk ox
11-22 carnivores (beasts of prey)
11-13 Canidae
 11 black-backed jackal (jackal)
 12 red fox
 13 wolf
14-17 martens
 14 stone marten (beach marten)
 15 sable
 16 weasel
 17 sea otter, an otter
18-22 seals (pinnipeds)
 18 fur seal (sea bear, ursine seal)
 19 common seal (sea calf, sea dog)
 20 walrus (morse)
 21 whiskers
 22 tusk
23-29 whales
 23 bottle-nosed dolphin (bottle-nose dolphin)
 24 common dolphin
 25 sperm whale (cachalot)
 26 blowhole (spout hole)
 27 dorsal fin
 28 flipper
 29 tail flukes (tail)



- 1-11 carnivores (beasts of prey)
 1 striped hyena, a hyena
 2-8 felines (cats)
 2 lion
 3 mane (lion's mane)
 4 paw
 5 tiger
 6 leopard
 7 cheetah (hunting leopard)
 8 lynx
 9-11 bears
 9 raccoon (racoon, *Am. coon*)
 10 brown bear
 11 polar bear (white bear)
 12-16 primates
 12-13 monkeys
 12 rhesus monkey (rhesus, rhesus macaque)
 13 baboon
 14-16 anthropoids (anthropoid apes, great apes)
 14 chimpanzee
 15 orang-utan (orang-outan)
 16 gorilla

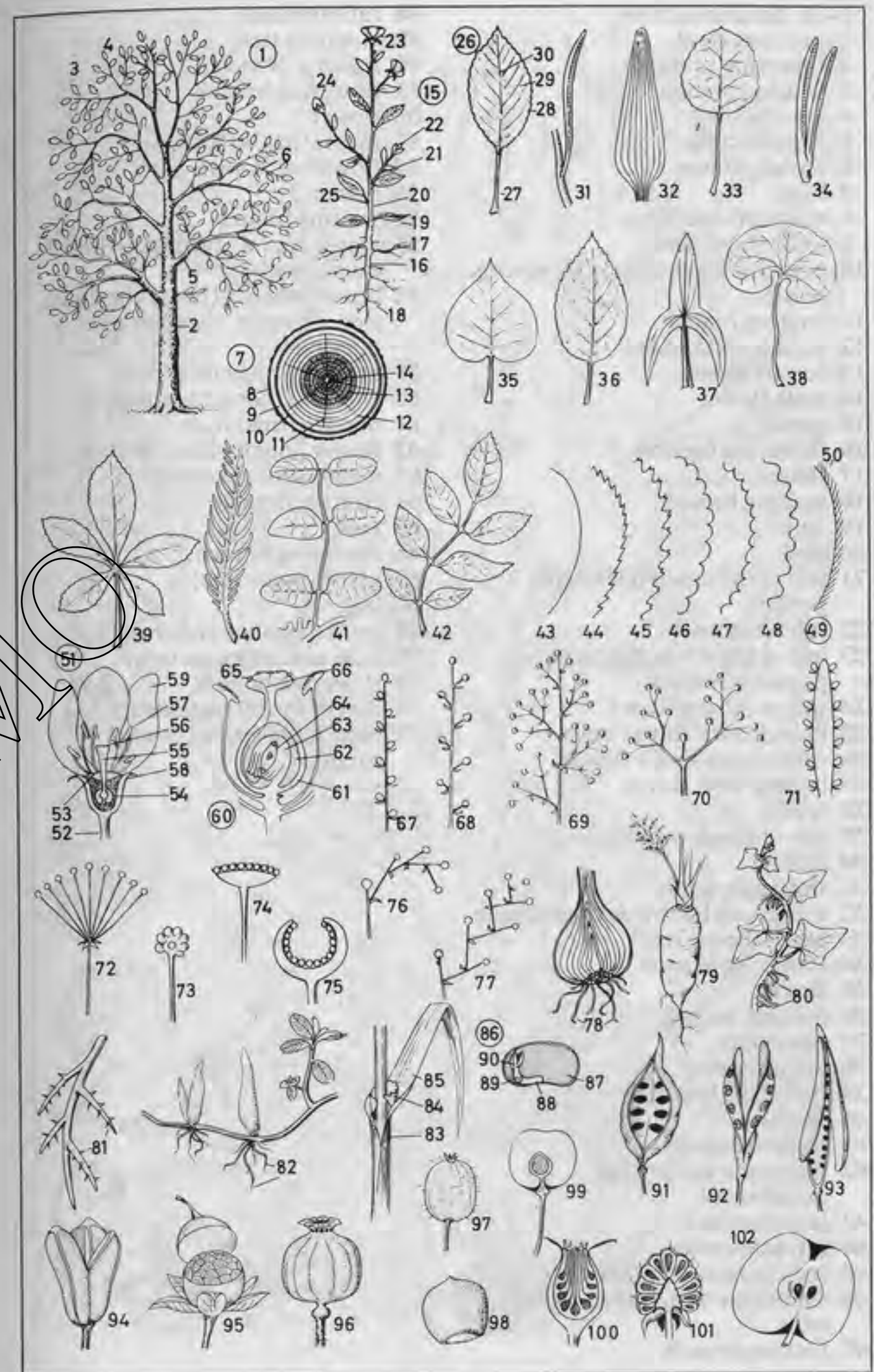




- 1 Gigantocypris agassizi
- 2 Macropharynx longicaudatus (pelican eel)
- 3 Pentacrinus (feather star), a sea lily, an echinoderm
- 4 Thaumatolampas diadema, a cuttlefish [luminescent]
- 5 Atolla, a deep-sea medusa, a coelenterate
- 6 Melanocetes, a pediculate [luminescent]
- 7 Lophocalyx philippensis, a glass sponge
- 8 Mopsea, a sea fan [colony]
- 9 Hydrallmania, a hydroid polyp, a coelenterate [colony]
- 10 Malacosteus indicus, a stomiatid [luminescent]
- 11 Brisinga endecacnemos, a sand star (brittle star), an echinoderm [luminescent only when stimulated]
- 12 Pasiphaea, a shrimp, a crustacean
- 13 Echiostoma, a stomiatid, a fish [luminescent]
- 14 Umbellula encrinus, a sea pen (sea feather), a coelenterate [colony, luminescent]
- 15 Polycheles, a crustacean
- 16 Lithodes, a crustacean, a crab
- 17 Archaster, a starfish (sea star), an echinoderm
- 18 Oneirophanta, a sea cucumber, an echinoderm
- 19 Palaeopneustes niasicus, a sea urchin (sea hedgehog), an echinoderm
- 20 Chitonactis, a sea anemone (actinia), a coelenterate

- 1 tree
- 2 bole (tree trunk, trunk, stem)
- 3 crown of tree (crown)
- 4 top of tree (treetop)
- 5 bough (limb, branch)
- 6 twig (branch)
- 7 bole (tree trunk) [cross section]
- 8 bark (rind)
- 9 phloem (bast sieve tissue, inner fibrous bark)
- 10 cambium (cambium ring)
- 11 medullary rays (vascular rays, pith rays)
- 12 sapwood (sap, alburnum)
- 13 heartwood (duramen)
- 14 pith
- 15 plant
- 16-18 root
- 16 primary root
- 17 secondary root
- 18 root hair
- 19-25 shoot (sprout)
- 19 leaf
- 20 stalk
- 21 side shoot (offshoot)
- 22 terminal bud
- 23 flower
- 24 flower bud
- 25 leaf axil with axillary bud
- 26 leaf
- 27 leaf stalk (petiole)
- 28 leaf blade (blade, lamina)
- 29 venation (veins, nervures, ribs)
- 30 midrib (nerve)
- 31-38 leaf shapes
- 31 linear
- 32 lanceolate
- 33 orbicular (orbiculate)
- 34 acerose (acerous, acerate, acicular, needle-shaped)
- 35 cordate
- 36 ovate
- 37 sagittate
- 38 reniform
- 39-42 compound leaves
- 39 digitate (digitated, palmate, quinquefoliate)
- 40 pinnatifid
- 41 abruptly pinnate
- 42 odd-pinnate
- 43-50 leaf margin shapes
- 43 entire
- 44 serrate (serrulate, saw-toothed)
- 45 doubly toothed
- 46 crenate
- 47 dentate
- 48 sinuate
- 49 ciliate (ciliated)
- 50 cilium
- 51 flower
- 52 flower stalk (flower stem, scape)

- 53 receptacle (floral axis, thalamus, torus)
- 54 ovary
- 55 style
- 56 stigma
- 57 stamen
- 58 sepal
- 59 petal
- 60 ovary and stamen [section]
- 61 ovary wall
- 62 ovary cavity
- 63 ovule
- 64 embryo sac
- 65 pollen
- 66 pollen tube
- 67-77 inflorescences
- 67 spike (racemose spike)
- 68 raceme (simple raceme)
- 69 panicle
- 70 cyme
- 71 spadix (fleshy spike)
- 72 umbel (simple umbel)
- 73 capitulum
- 74 composite head (discoid flower head)
- 75 hollow flower head
- 76 bostryx (helicoid cyme)
- 77 cincinnus (scorpioid cyme, curled cyme)
- 78-82 roots
- 78 adventitious roots
- 79 tuber (tuberous root, swollen taproot)
- 80 adventitious roots (aerial roots)
- 81 root thorns
- 82 pneumatophores
- 83-85 blade of grass
- 83 leaf sheath
- 84 ligule (ligula)
- 85 leaf blade (lamina)
- 86 embryo (seed, germ)
- 87 cotyledon (seed leaf, seed lobe)
- 88 radicle
- 89 hypocotyl
- 90 plumule (leaf bud)
- 91-102 fruits
- 91-96 dehiscent fruits
- 91 follicle
- 92 legume (pod)
- 93 siliqua (pod)
- 94 schizocarp
- 95 pyxidium (circumscissile seed vessel)
- 96 poricidal capsule (porose capsule)
- 97-102 indehiscent fruits
- 97 berry
- 98 nut
- 99 drupe (stone fruit) (cherry)
- 100 aggregate fruit (compound fruit) (rose hip)
- 101 aggregate fruit (compound fruit) (raspberry)
- 102 pome (apple)



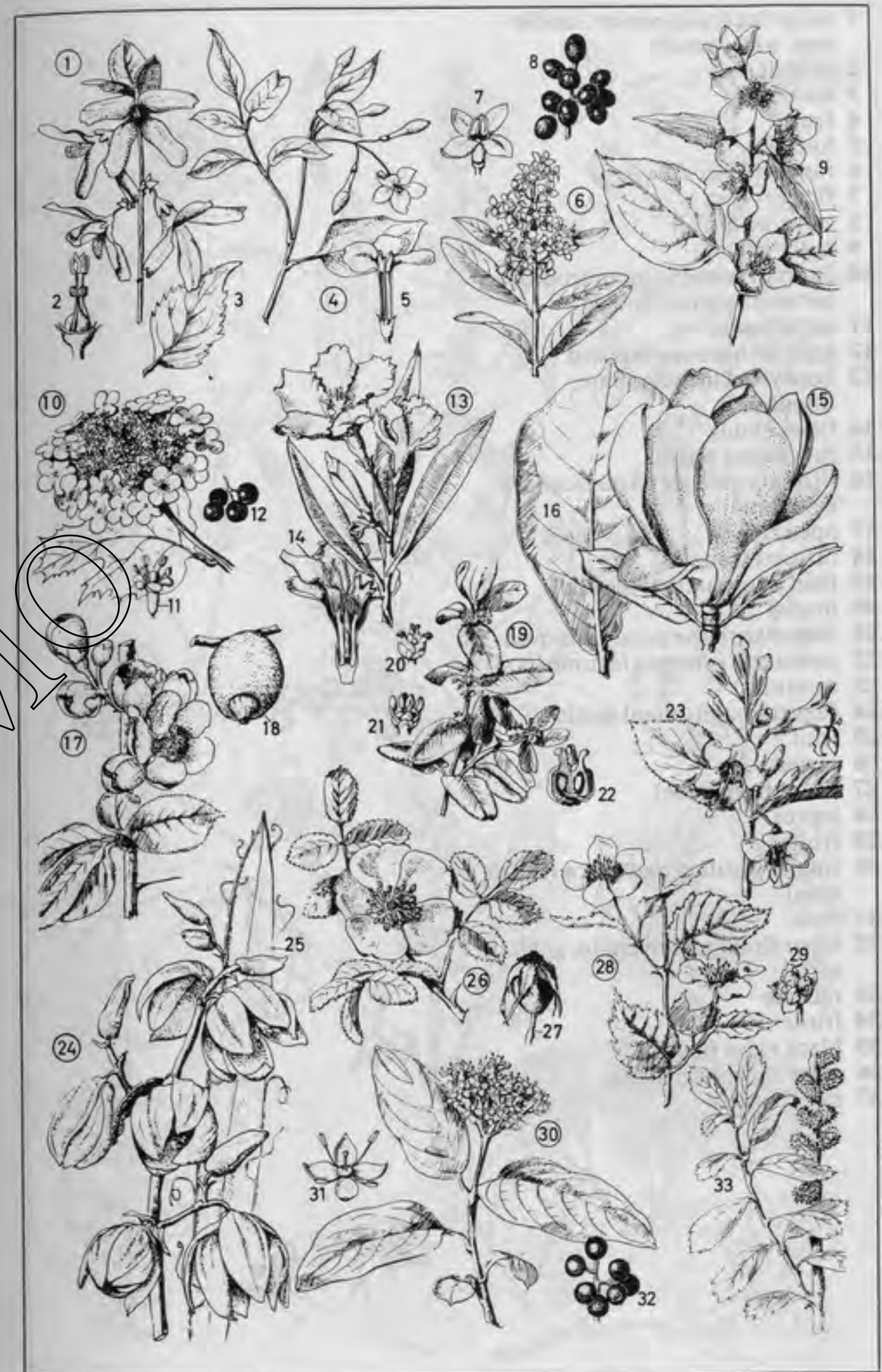
- 1-73 deciduous trees
 1 oak (oak tree)
 2 flowering branch
 3 fruiting branch
 4 fruit (acorn)
 5 cupule (cup)
 6 female flower
 7 bract
 8 male inflorescence
 9 birch (birch tree)
 10 branch with catkins, a flowering branch
 11 fruiting branch
 12 scale (catkin scale)
 13 female flower
 14 male flower
 15 poplar
 16 flowering branch
 17 flower
 18 fruiting branch
 19 fruit
 20 seed
 21 leaf of the aspen (trembling poplar)
 22 infructescence
 23 leaf of the white poplar (silver poplar, silverleaf)
 24 willow (goat willow)
 25 branch with flower buds
 26 catkin with single flower
 27 branch with leaves
 28 fruit
 29 osier branch with leaves
 30 alder
 31 fruiting branch
 32 branch with previous year's cone
 33 beech (beech tree)
 34 flowering branch
 35 flower
 36 fruiting branch
 37 beech nut
 38 ash (ash tree)
 39 flowering branch
 40 flower
 41 fruiting branch
 42 mountain ash (rowan, quickbeam)
 43 inflorescence
 44 infructescence
 45 fruit [longitudinal section]
 46 lime (lime tree, linden, linden tree)
 47 fruiting branch
 48 inflorescence
 49 elm (elm tree)
 50 fruiting branch
 51 flowering branch
 52 flower
 53 maple (maple tree)
 54 flowering branch
 55 flower
 56 fruiting branch
 57 maple seed with wings (winged maple seed)
 58 horse chestnut (horse chestnut tree, chestnut, chestnut tree, buckeye)
 59 branch with young fruits
 60 chestnut (horse chestnut)
 61 mature (ripe) fruit
 62 flower [longitudinal section]
 63 hornbeam (yoke elm)
 64 fruiting branch
 65 seed
 66 flowering branch
 67 plane (plane tree)
 68 leaf
 69 infructescence and fruit
 70 false acacia (locust tree)
 71 flowering branch
 72 part of the infructescence
 73 base of the leaf stalk with stipules



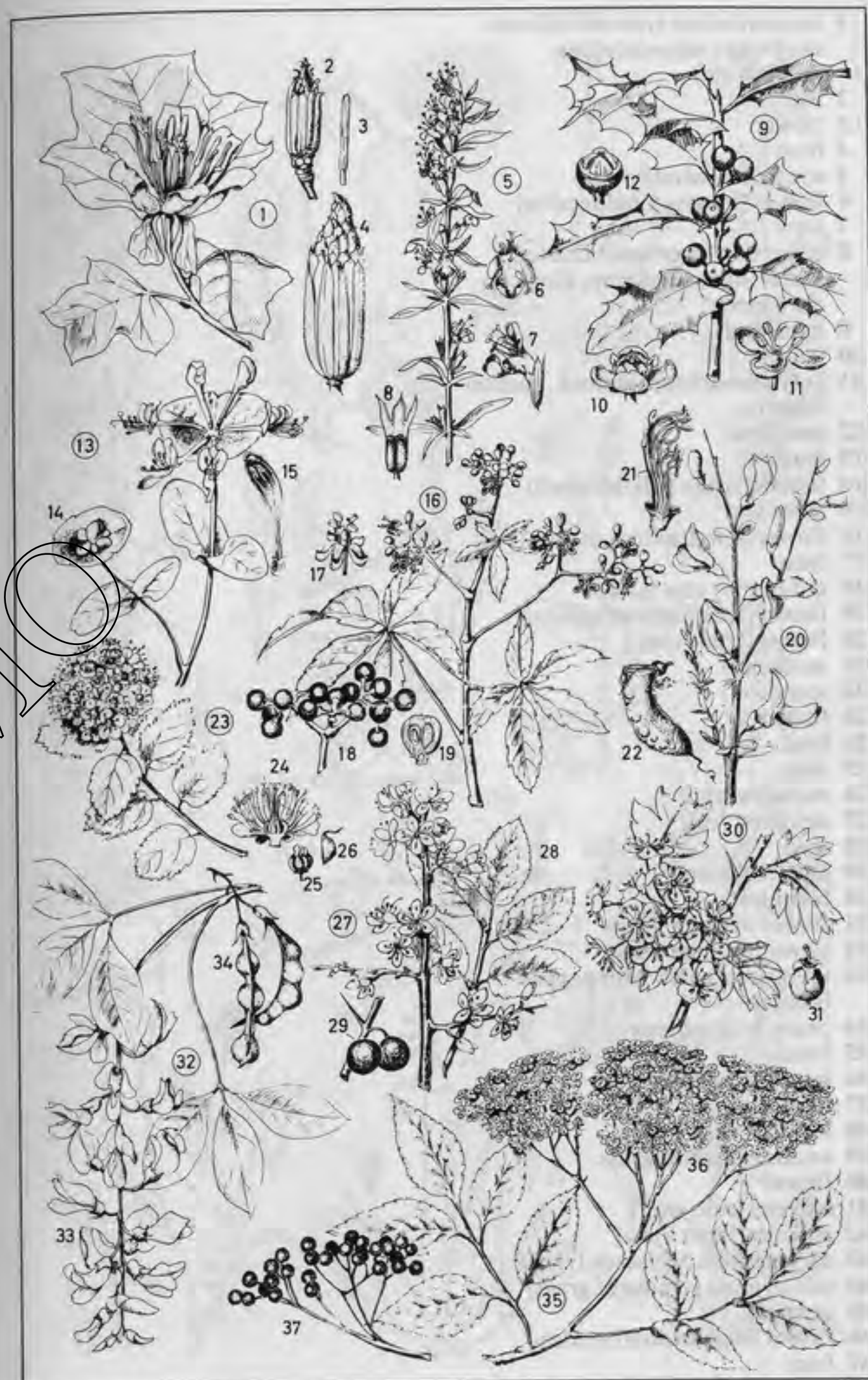
- 1-71 coniferous trees (conifers)
- 1 silver fir (European silver fir, common silver fir)
- 2 fir cone, a fruit cone
- 3 cone axis
- 4 female flower cone
- 5 bract scale (bract)
- 6 male flower shoot
- 7 stamen
- 8 cone scale
- 9 seed with wing (winged seed)
- 10 seed [longitudinal section]
- 11 fir needle (needle)
- 12 spruce (spruce fir)
- 13 spruce cone
- 14 cone scale
- 15 seed
- 16 female flower cone
- 17 male inflorescence
- 18 stamen
- 19 spruce needle
- 20 pine (Scots pine)
- 21 dwarf pine
- 22 female flower cone
- 23 short shoot with bundle of two leaves
- 24 male inflorescences
- 25 annual growth
- 26 pine cone
- 27 cone scale
- 28 seed
- 29 fruit cone of the arolla pine (Swiss stone pine)
- 30 fruit cone of the Weymouth pine (white pine)
- 31 short shoot [cross section]
- 32 larch
- 33 flowering branch
- 34 scale of the female flower cone
- 35 anther
- 36 branch with larch cones (fruit cones)
- 37 seed
- 38 cone scale
- 39 arbor vitae (tree of life, thuja)
- 40 fruiting branch
- 41 fruit cone
- 42 scale
- 43 branch with male and female flowers
- 44 male shoot
- 45 scale with pollen sacs
- 46 female shoot
- 47 juniper (juniper tree)
- 48 female shoot [longitudinal section]
- 49 male shoot
- 50 scale with pollen sacs
- 51 fruiting branch
- 52 juniper berry
- 53 fruit [cross section]
- 54 seed
- 55 stone pine
- 56 male shoot
- 57 fruit cone with seeds [longitudinal section]
- 58 cypress
- 59 fruiting branch
- 60 seed
- 61 yew (yew tree)
- 62 male flower shoot and female flower cone
- 63 fruiting branch
- 64 fruit
- 65 cedar (cedar tree)
- 66 fruiting branch
- 67 fruit scale
- 68 male flower shoot and female flower cone
- 69 mammoth tree (Wellingtonia, sequoia)
- 70 fruiting branch.
- 71 seed



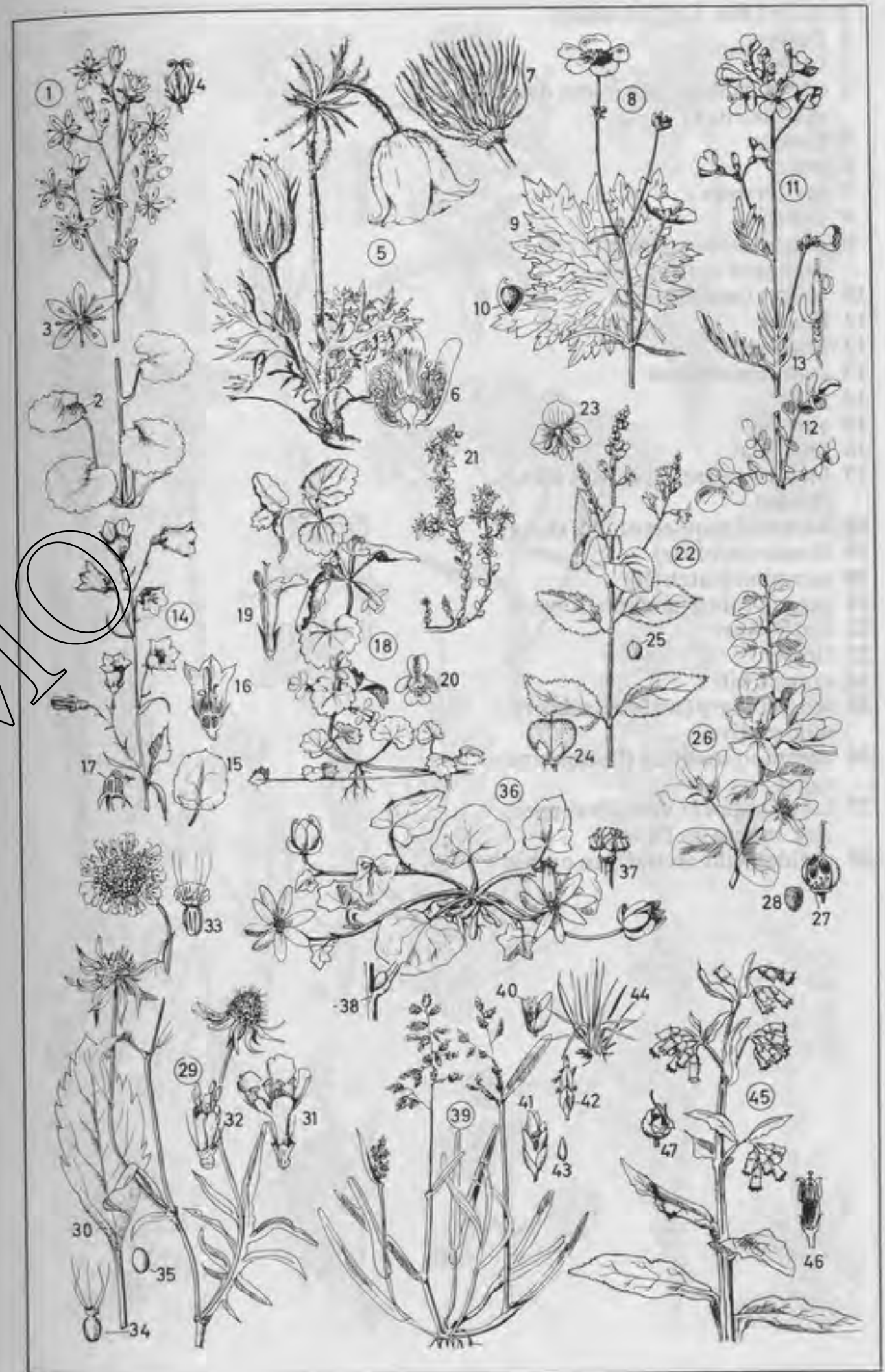
- 1 forsythia
- 2 ovary and stamen
- 3 leaf
- 4 yellow-flowered jasmine
(jasmin, jessamine)
- 5 flower [longitudinal section] with
styles, ovaries and stamens
- 6 privet (common privet)
- 7 flower
- 8 infructescence
- 9 mock orange (sweet syringa)
- 10 snowball (snowball bush,
guelder rose)
- 11 flower
- 12 fruits
- 13 oleander (rosebay, rose laurel)
- 14 flower [longitudinal section]
- 15 red magnolia
- 16 leaf
- 17 japonica (japanese quince)
- 18 fruit
- 19 common box (box, box tree)
- 20 female flower
- 21 male flower
- 22 fruit [longitudinal section]
- 23 weigela (weigelia)
- 24 yucca [part of the inflorescence]
- 25 leaf
- 26 dog rose (briar rose, wild briar)
- 27 fruit
- 28 kerria
- 29 fruit
- 30 cornelian cherry
- 31 flower
- 32 fruit (cornelian cherry)
- 33 sweet gale (gale)



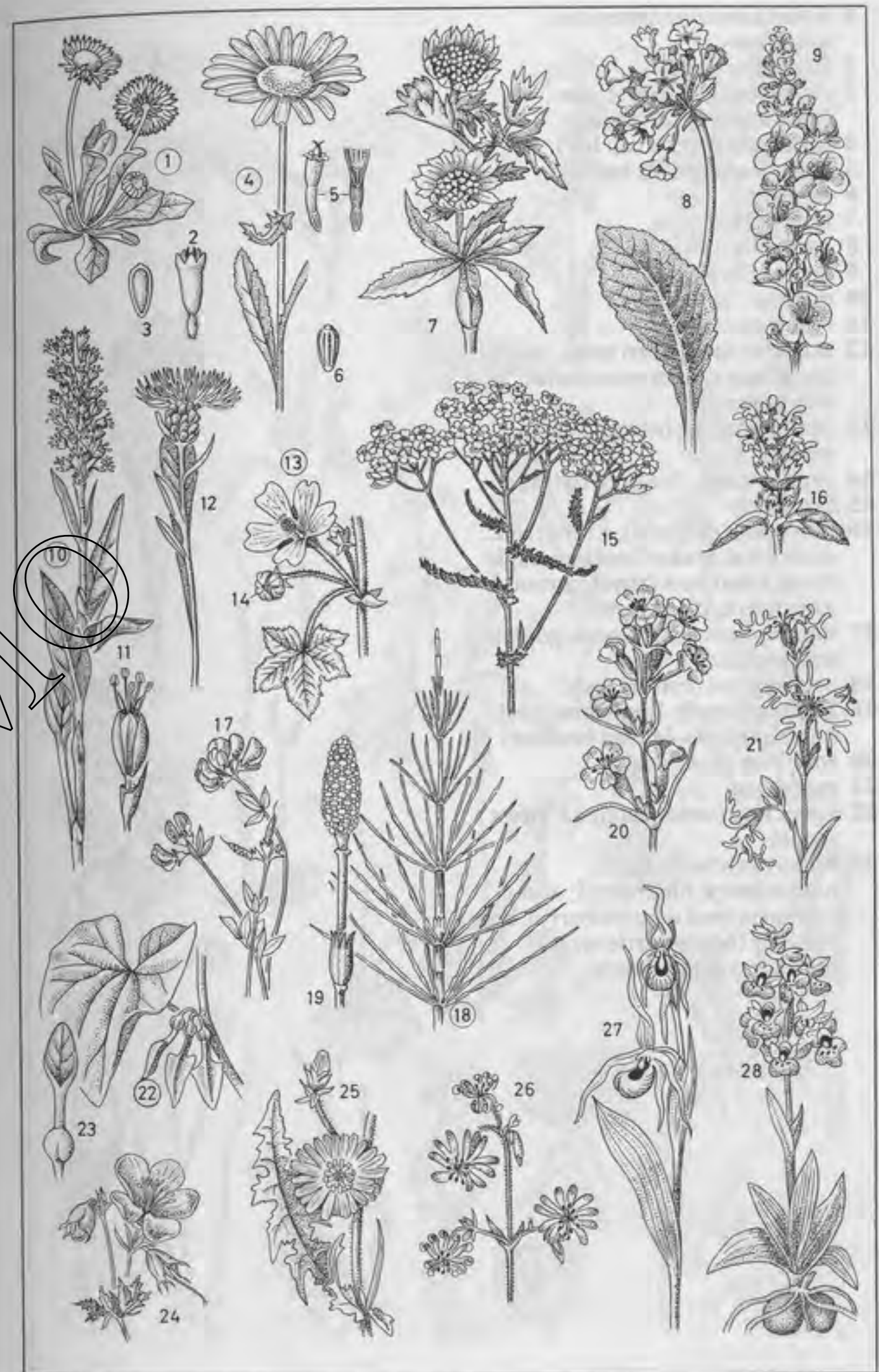
- 1 tulip tree (tulip poplar, saddle tree, whitewood)
- 2 carpels
- 3 stamen
- 4 fruit
- 5 hyssop
- 6 flower [front view]
- 7 flower
- 8 calyx with fruit
- 9 holly
- 10 androgynous (hermaphroditic, hermaphrodite) flower
- 11 male flower
- 12 fruit with stones exposed
- 13 honeysuckle (woodbine, woodbind)
- 14 flower buds
- 15 flower [cut open]
- 16 Virginia creeper (American ivy, woodbine)
- 17 open flower
- 18 infructescence
- 19 fruit [longitudinal section]
- 20 broom
- 21 flower with the petals removed
- 22 immature (unripe) legume (pod)
- 23 spiraea
- 24 flower [longitudinal section]
- 25 fruit
- 26 carpel
- 27 blackthorn (sloe)
- 28 leaves
- 29 fruits
- 30 single-pistilled hawthorn (thorn, may)
- 31 fruit
- 32 laburnum (golden chain, golden rain)
- 33 raceme
- 34 fruits
- 35 black elder (elder)
- 36 elder flowers (cymes)
- 37 elderberries



- 1 rotundifoliate (rotundifolious)
saxifrage (rotundifoliate
breakstone)
- 2 leaf
- 3 flower
- 4 fruit
- 5 anemone (windflower)
- 6 flower [longitudinal section]
- 7 fruit
- 8 buttercup (meadow buttercup,
butterflower, goldcup, king cup,
crowfoot)
- 9 basal leaf
- 10 fruit
- 11 lady's smock (ladysmock, cuckoo
flower)
- 12 basal leaf
- 13 fruit
- 14 harebell (hairbell, bluebell)
- 15 basal leaf
- 16 flower [longitudinal section]
- 17 fruit
- 18 ground ivy (ale hoof)
- 19 flower [longitudinal section]
- 20 flower [front view]
- 21 stonecrop
- 22 speedwell
- 23 flower
- 24 fruit
- 25 seed
- 26 moneywort
- 27 dehisced fruit
- 28 seed
- 29 small scabious
- 30 basal leaf
- 31 flower of outer series
- 32 flower of inner series
- 33 involucre calyx with pappus
bristles
- 34 ovary with pappus
- 35 fruit
- 36 lesser celandine
- 37 fruit
- 38 leaf axil with bulbil
- 39 annual meadow grass
- 40 flower
- 41 spikelet [side view]
- 42 spikelet [front view]
- 43 caryopsis (indehiscent fruit)
- 44 tuft of grass (clump of grass)
- 45 comfrey
- 46 flower [longitudinal section]
- 47 fruit



- 1 daisy (*Am.* English daisy)
- 2 flower
- 3 fruit
- 4 oxeye daisy (white oxeye daisy, marguerite)
- 5 flower
- 6 fruit
- 7 masterwort
- 8 cowslip
- 9 great mullein (*Aaron's rod*, shepherd's club)
- 10 bistort (*snakeweed*)
- 11 flower
- 12 knapweed
- 13 common mallow
- 14 fruit
- 15 yarrow
- 16 self-heal
- 17 bird's foot trefoil (*bird's foot clover*)
- 18 horsetail (*equisetum*) [a shoot]
- 19 flower (strobile)
- 20 campion (catchfly)
- 21 ragged robin (*cuckoo flower*)
- 22 birth-wort
- 23 flower
- 24 crane's bill
- 25 wild chicory (*witloof*, succory, wild endive)
- 26 common toadflax (*butter-and-eggs*)
- 27 lady's slipper (*Venus's slipper*, *Am.* moccasin flower)
- 28 orchis (*wild orchid*), an orchid



- 1 wood anemone (anemone, windflower)
- 2 lily of the valley
- 3 cat's foot (milkwort); *sim.*: sandflower (everlasting)
- 4 turk's cap (turk's cap lily)
- 5 goatsbeard (goat's beard)
- 6 ramson
- 7 lungwort
- 8 corydalis
- 9 orpine (livelong)
- 10 daphne
- 11 touch-me-not
- 12 staghorn (stag horn moss, stag's horn, stag's horn moss, coral evergreen)
- 13 butterwort, an insectivorous plant
- 14 sundew; *sim.*: Venus's flytrap
- 15 bearberry
- 16 polypody (polypod), a fern; *sim.*: male fern, brake (bracken, eagle fern), royal fern (royal osmund, king's fern, ditch fern)
- 17 haircap moss (hair moss, golden maidenhair), a moss
- 18 cotton grass (cotton rush)
- 19 heather (heath, ling); *sim.*: bell heather (cross-leaved heather)
- 20 rock rose (sun rose)
- 21 marsh tea
- 22 sweet flag (sweet calamus, sweet sedge)
- 23 bilberry (whortleberry, huckleberry, blueberry); *sim.*: cowberry (red whortleberry), bog bilberry (bog whortleberry), crowberry (crakeberry)



**378 Alpine Plants, Aquatic Plants (Water Plants),
and Marsh Plants**

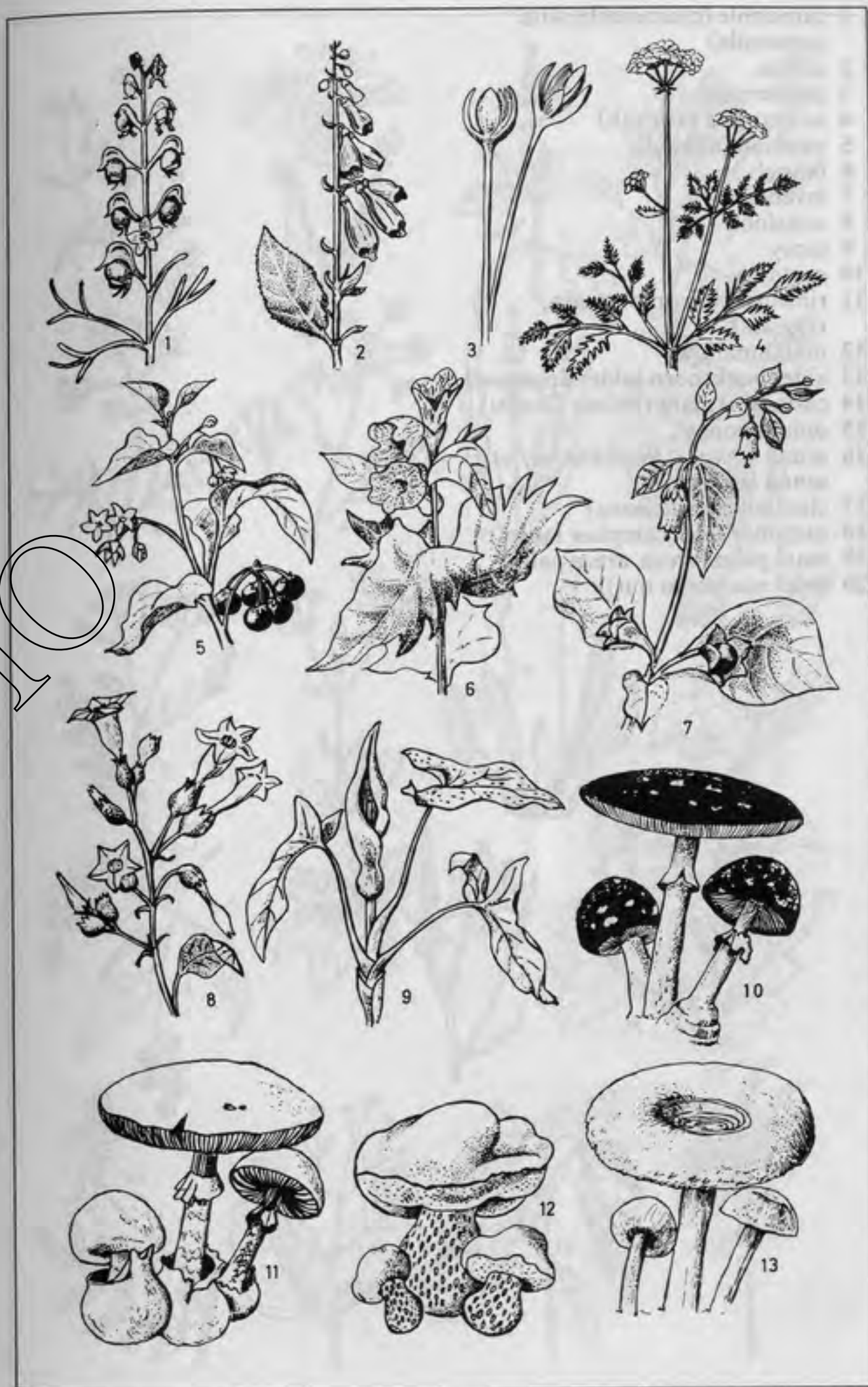
- 1-13 alpine plants
- 1 alpine rose (alpine rhododendron)
- 2 flowering shoot
- 3 alpine soldanella (soldanella)
- 4 corolla opened out
- 5 seed vessel with the style
- 6 alpine wormwood
- 7 inflorescence
- 8 auricula
- 9 edelweiss
- 10 flower shapes
- 11 fruit with pappus tuft
- 12 part of flower head (of capitulum)
- 13 stemless alpine gentian
- 14-57 aquatic plants (water plants) and marsh plants
- 14 white water lily
- 15 leaf
- 16 flower
- 17 Queen Victoria water lily (Victoria regia water lily, royal water lily, Amazon water lily)
- 18 leaf
- 19 underside of the leaf
- 20 flower
- 21 reed mace bulrush (cattail, cat's tail, cattail flag, club rush)
- 22 male part of the spadix
- 23 male flower
- 24 female part
- 25 female flower
- 26 forget-me-not
- 27 flowering shoot
- 28 flower [section]
- 29 frog's bit
- 30 watercress
- 31 stalk with flowers and immature (unripe) fruits
- 32 flower
- 33 siliqua (pod) with seeds
- 34 two seeds
- 35 duckweed (duck's meat)
- 36 plant in flower
- 37 flower
- 38 fruit
- 39 flowering rush
- 40 flower umbel
- 41 leaves
- 42 fruit
- 43 green alga
- 44 water plantain

- 45 leaf
- 46 panicle
- 47 flower
- 48 honey wrack, a brown alga
- 49 thallus (plant body, frond)
- 50 holdfast
- 51 arrow head
- 52 leaf shapes
- 53 inflorescence with male flowers [above] and female flowers [below]
- 54 sea grass
- 55 inflorescence
- 56 Canadian waterweed (Canadian pondweed)
- 57 flower

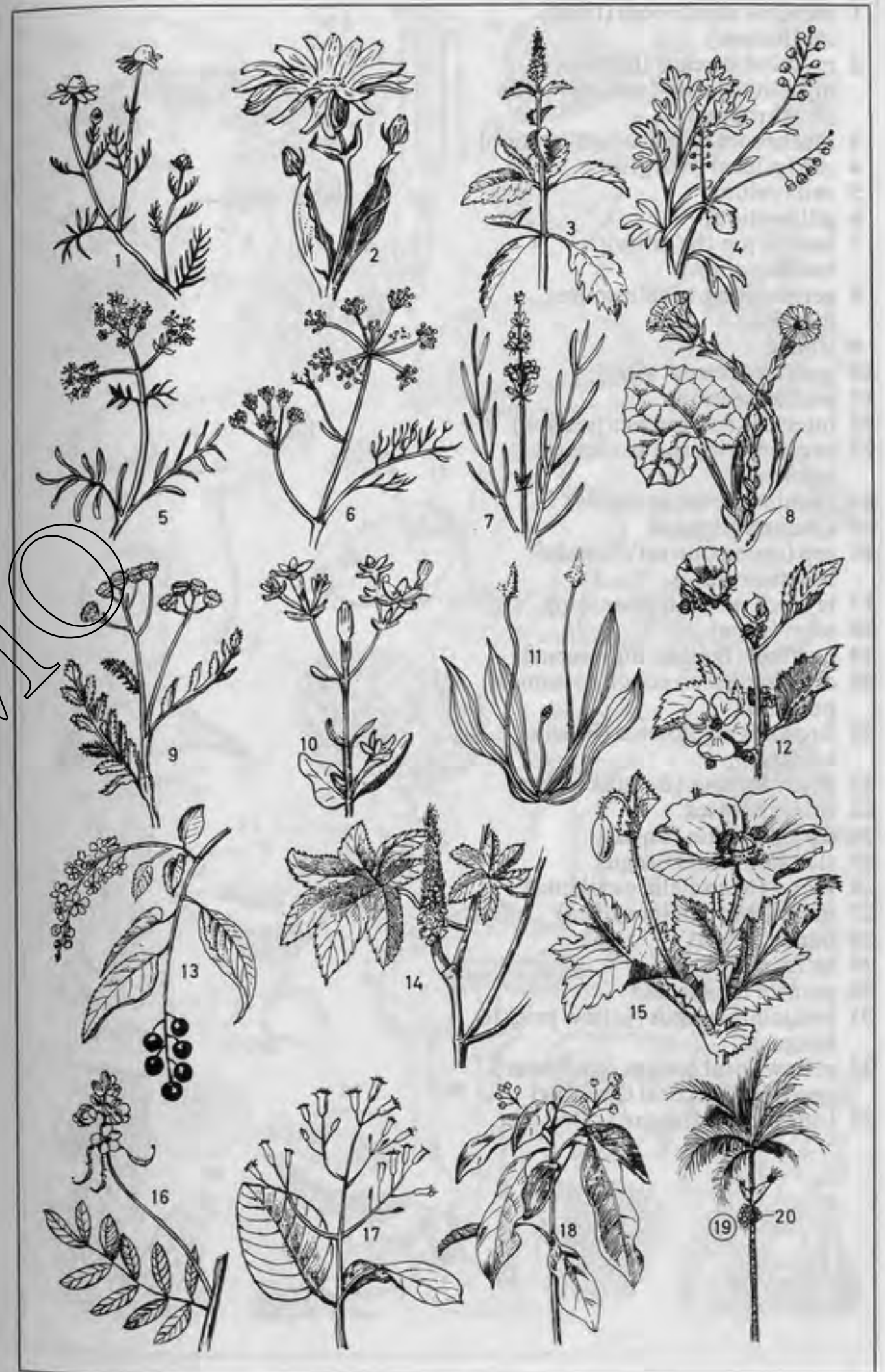
**Alpine Plants, Aquatic Plants (Water Plants), 378
and Marsh Plants**



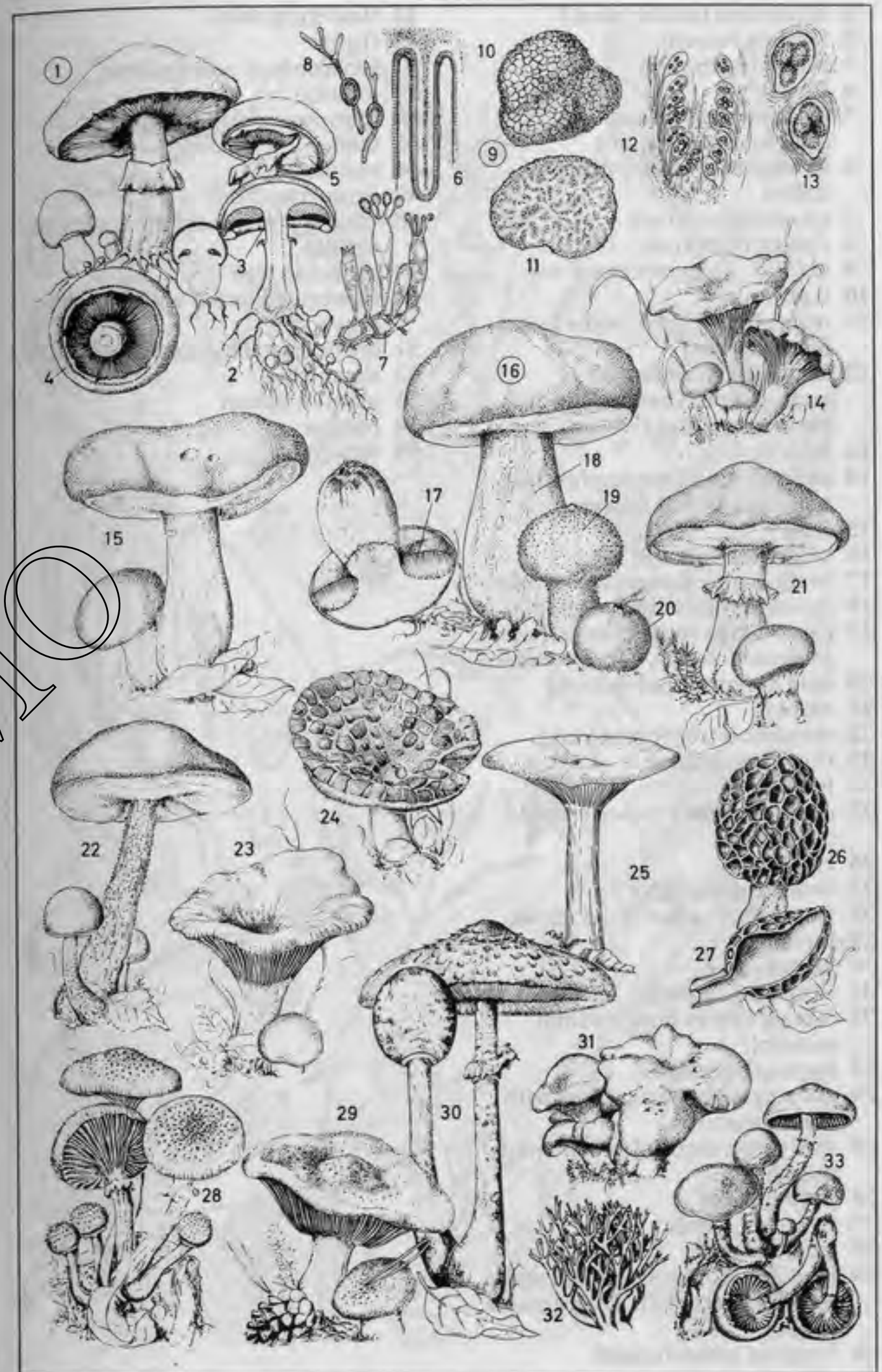
- 1 aconite (monkshood, wolfsbane, helmet flower)
- 2 foxglove (*Digitalis*)
- 3 meadow saffron (naked lady, naked boys)
- 4 hemlock (*Conium*)
- 5 black nightshade (common nightshade, petty morel)
- 6 henbane
- 7 deadly nightshade (belladonna, banewort, dwale), a solanaceous herb
- 8 thorn apple (stramonium, stramony, *Am.* jimson weed, jimpson weed, Jamestown weed, stinkweed)
- 9 cuckoo pint (lords-and-ladies, wild arum, wake-robin)
- 10-13 poisonous fungi (poisonous mushrooms, toadstools)
- 10 fly agaric (fly amanita, fly fungus), an agaric
- 11 amanita
- 12 Satan's mushroom
- 13 woolly milk cap



- 1 camomile (chamomile, wild camomile)
- 2 arnica
- 3 peppermint
- 4 wormwood (absinth)
- 5 valerian (allheal)
- 6 fennel
- 7 lavender
- 8 coltsfoot
- 9 tansy
- 10 centaury
- 11 ribwort (ribwort plantain, ribgrass)
- 12 marshmallow
- 13 alder buckthorn (alder dogwood)
- 14 castor-oil plant (Palma Christi)
- 15 opium poppy
- 16 senna (cassia); *the dried leaflets:*
senna leaves
- 17 cinchona (chinchona)
- 18 camphor tree (camphor laurel)
- 19 betel palm (areca, areca palm)
- 20 betel nut (areca nut)



- 1 meadow mushroom (field mushroom)
- 2 mycelial threads (hyphae, mycelium) with fruiting bodies (mushrooms)
- 3 mushroom [longitudinal section]
- 4 cap (pileus) with gills
- 5 veil (velum)
- 6 gill [section]
- 7 basidia [on the gill with basidiospores]
- 8 germinating basidiospores (spores)
- 9 truffle
- 10 truffle [external view]
- 11 truffle [section]
- 12 interior showing asci [section]
- 13 two asci with the ascospores (spores)
- 14 chanterelle (chantarelle)
- 15 Chestnut Boletus
- 16 cep (cepe, squirrel's bread, *Boletus edulis*)
- 17 layer of tubes (hymenium)
- 18 stem (stipe)
- 19 puffball (*Bovista nigrescens*)
- 20 devil's tobacco pouch (common puffball)
- 21 Brown Ring Boletus (*Boletus luteus*)
- 22 Birch Boletus (*Boletus scaber*)
- 23 *Russula vesca*
- 24 scaled prickle fungus
- 25 slender funnel fungus
- 26 morel (*Morchella esculenta*)
- 27 morel (*Morchella conica*)
- 28 honey fungus
- 29 saffron milk cap
- 30 parasol mushroom
- 31 hedgehog fungus (yellow prickle fungus)
- 32 yellow coral fungus (goatsbeard, goat's beard, coral *Clavaria*)
- 33 little cluster fungus

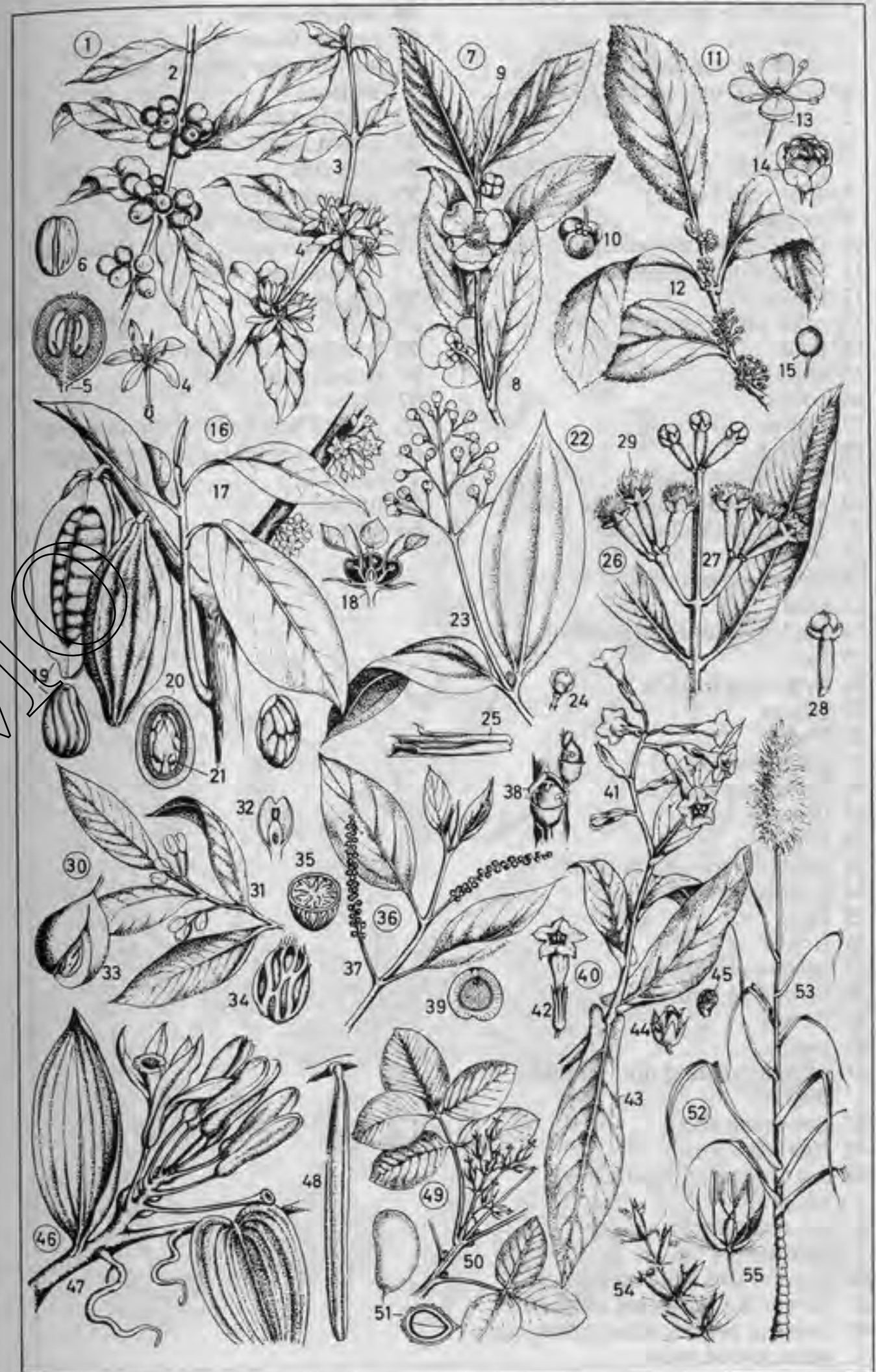


**382 Tropical Plants used as Stimulants, Spices,
and Flavourings (Am. Flavorings)**

- 1 coffee tree (coffee plant)
- 2 fruiting branch
- 3 flowering branch
- 4 flower
- 5 fruit with two beans
[longitudinal section]
- 6 coffee bean; *when processed:*
coffee
- 7 tea plant (tea tree)
- 8 flowering branch
- 9 tea leaf; *when processed:* tea
- 10 fruit
- 11 maté shrub (maté, yerba maté,
Paraguay tea)
- 12 flowering branch with
androgynous (hermaphroditic,
hermaphrodite) flowers
- 13 male flower
- 14 androgynous (hermaphroditic,
hermaphrodite) flower
- 15 fruit
- 16 cacao tree (cacao)
- 17 branch with flowers and fruits
- 18 flower [longitudinal section]
- 19 cacao beans (cocoa beans); *when
processed:* cocoa, cocoa powder
- 20 seed [longitudinal section]
- 21 embryo
- 22 cinnamon tree (cinnamon)
- 23 flowering branch
- 24 fruit
- 25 cinnamon bark; *when crushed:*
cinnamon
- 26 clove tree
- 27 flowering branch
- 28 flower bud; *when dried:* clove
- 29 flower
- 30 nutmeg tree
- 31 flowering branch
- 32 female flower [longitudinal
section]
- 33 mature (ripe) fruit
- 34 nutmeg with mace, a seed with
lacinate aril
- 35 seed [cross section]; *when dried:*
nutmeg
- 36 pepper plant
- 37 fruiting branch
- 38 inflorescence
- 39 fruit [longitudinal section] with
seed (peppercorn); *when ground:*
pepper
- 40 Virginia tobacco plant

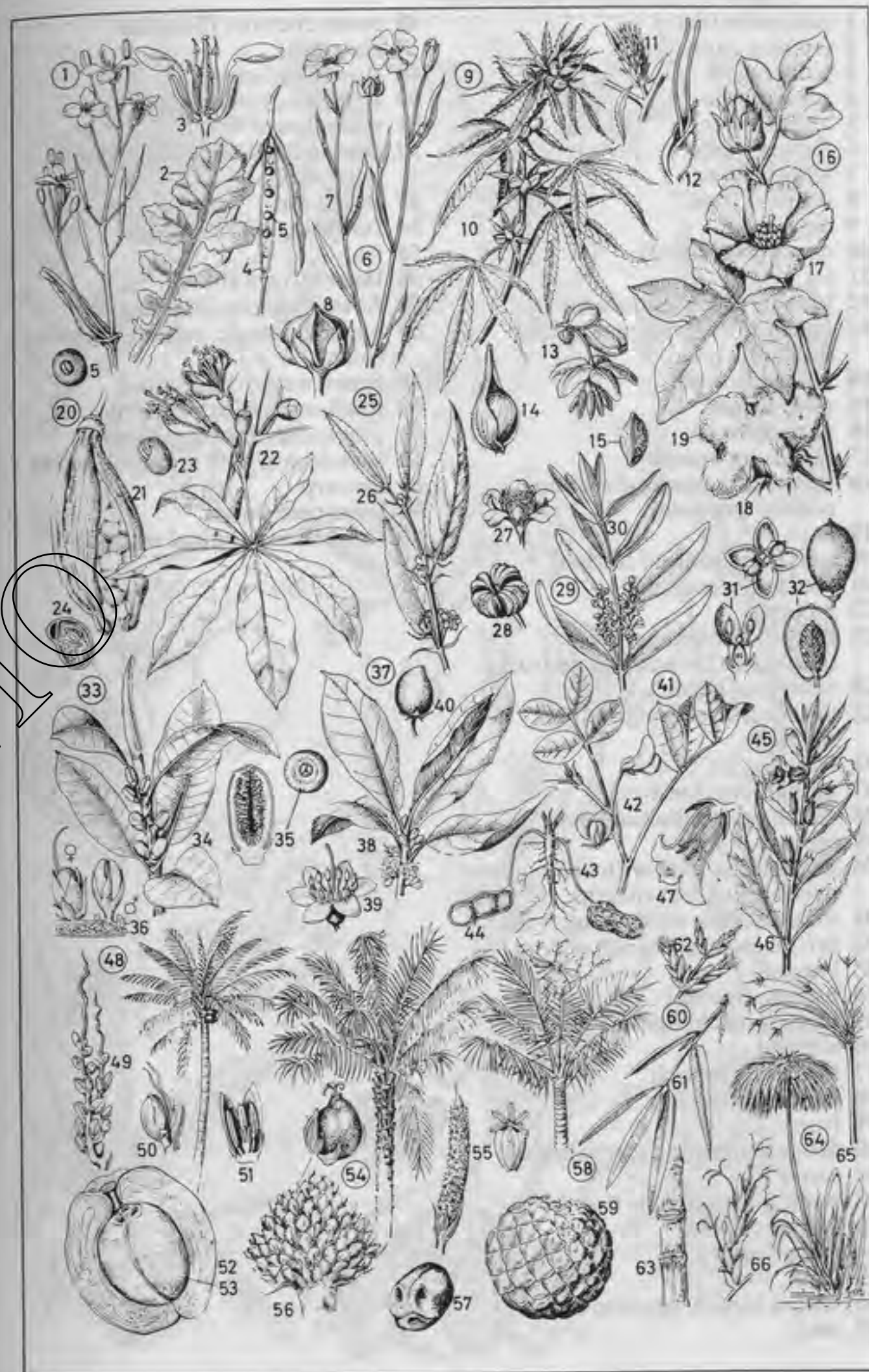
- 41 flowering shoot
- 42 flower
- 43 tobacco leaf; *when cured:*
tobacco
- 44 mature (ripe) fruit capsule
- 45 seed
- 46 vanilla plant
- 47 flowering shoot
- 48 vanilla pod; *when cured:* stick of
vanilla
- 49 pistachio tree
- 50 flowering branch with female
flowers
- 51 drupe (pistachio, pistachio nut)
- 52 sugar cane
- 53 plant in bloom
- 54 panicle
- 55 flower

**Tropical Plants used as Stimulants, Spices, 382
and Flavourings (Am. Flavorings)**



- 1 rape (cole, coleseed)
- 2 basal leaf
- 3 flower [longitudinal section]
- 4 mature (ripe) siliqua (pod)
- 5 oleiferous seed
- 6 flax
- 7 peduncle (pedicel, flower stalk)
- 8 seed vessel (boll)
- 9 hemp
- 10 fruiting female (pistillate) plant
- 11 female inflorescence
- 12 flower
- 13 male inflorescence
- 14 fruit
- 15 seed
- 16 cotton
- 17 flower
- 18 fruit
- 19 lint [cotton wool]
- 20 silk-cotton tree (kapok tree, capoc tree, ceiba tree)
- 21 fruit
- 22 flowering branch
- 23 seed
- 24 seed [longitudinal section]
- 25 jute
- 26 flowering branch
- 27 flower
- 28 fruit
- 29 olive tree (olive)
- 30 flowering branch
- 31 flower
- 32 fruit
- 33 rubber tree (rubber plant)
- 34 fruiting branch
- 35 fig
- 36 flower
- 37 gutta-percha tree
- 38 flowering branch
- 39 flower
- 40 fruit
- 41 peanut (ground nut, monkey nut)
- 42 flowering shoot
- 43 root with fruits
- 44 nut (kernel) [longitudinal section]
- 45 sesame plant (simsim, benniseed)
- 46 flowers and fruiting branch
- 47 flower [longitudinal section]
- 48 coconut palm (coconut tree, coco palm, cocoa palm)

- 49 inflorescence
- 50 female flower
- 51 male flower [longitudinal section]
- 52 fruit [longitudinal section]
- 53 coconut (cokernut)
- 54 oil palm
- 55 male spadix
- 56 infructescence with fruit
- 57 seed with micropyles (foramina) (foraminate seed)
- 58 sago palm
- 59 fruit
- 60 bamboo stem (bamboo culm)
- 61 branch with leaves
- 62 spike
- 63 part of bamboo stem with joints
- 64 papyrus plant (paper reed, paper rush)
- 65 umbel
- 66 spike



- 1 date palm (date)
- 2 fruiting palm
- 3 palm frond
- 4 male spadix
- 5 male flower
- 6 female spadix
- 7 female flower
- 8 stand of fruit
- 9 date
- 10 date kernel (seed)
- 11 fig
- 12 branch with pseudocarps
- 13 fig with flowers [longitudinal section]
- 14 female flower
- 15 male flower
- 16 pomegranate
- 17 flowering branch
- 18 flower [longitudinal section, corolla removed]
- 19 fruit
- 20 seed [longitudinal section]
- 21 seed [cross section]
- 22 embryo
- 23 lemon; *sim.*: tangerine (mandarin), orange, grapefruit
- 24 flowering branch
- 25 orange flower [longitudinal section]
- 26 fruit
- 27 orange [cross section]
- 28 banana plant (banana tree)
- 29 crown
- 30 herbaceous stalk with overlapping leaf sheaths
- 31 inflorescence with young fruits
- 32 infructescence (bunch of fruit)
- 33 banana
- 34 banana flower
- 35 banana leaf [diagram]
- 36 almond
- 37 flowering branch
- 38 fruiting branch
- 39 fruit
- 40 drupe containing seed [almond]
- 41 carob
- 42 branch with female flowers
- 43 female flower
- 44 male flower
- 45 fruit
- 46 siliqua (pod) [cross section]
- 47 seed

- 48 sweet chestnut (Spanish chestnut)
- 49 flowering branch
- 50 female inflorescence
- 51 male flower
- 52 cupule containing seeds (nuts, chestnuts)
- 53 Brazil nut
- 54 flowering branch
- 55 leaf
- 56 flower [from above]
- 57 flower [longitudinal section]
- 58 opened capsule, containing seeds (nuts)
- 59 Brazil nut [cross section]
- 60 nut [longitudinal section]
- 61 pineapple plant (pineapple)
- 62 pseudocarp with crown of leaves
- 63 syncarp
- 64 pineapple flower
- 65 flower [longitudinal section]



In the index the entries are ordered as follows:

1. Entries consisting of single words, e.g.: 'hair'.
2. Entries consisting of noun + adjective. Within this category the adjectives are entered alphabetically, e.g. 'hair, bobbed' is followed by 'hair, closely-cropped'.

Where adjective and noun are regarded as elements of a single lexical item, they are not inverted, e.g.: 'blue spruce', not 'spruce, blue'.

3. Entries consisting of other phrases, e.g. 'hair curler', 'ham on the bone', are alphabetized as headwords.

Where a whole phrase makes the meaning or use of a headword highly specific, the whole phrase is entered alphabetically. For example 'ham on the bone' follows 'hammock'.

References

The numbers in bold type refer to the sections in which the word may be found, and those in normal type refer to the items named in the pictures. Homonyms, and in some cases uses of the same word in different fields, are distinguished by section headings (in italics), some of which are abbreviated, to help to identify at a glance the field required. In most cases the full form referred to by the abbreviations will be obvious. Those which are not are explained in the following list:

<i>Agr.</i>	Agriculture/Agricultural	<i>Hydr. Eng.</i>	Hydraulic Engineering
<i>Alp. Plants</i>	Alpine Plants	<i>Impl.</i>	Implements
<i>Art. Studio</i>	Artist's Studio	<i>Inf. Tech.</i>	Information Technology
<i>Bldg.</i>	Building	<i>Intern. Combust. Eng.</i>	Internal Combustion Engine
<i>Carp.</i>	Carpenter	<i>Moon L.</i>	Moon Landing
<i>Cement Wks.</i>	Cement Works	<i>Music Not.</i>	Musical Notation
<i>Cost.</i>	Costumes	<i>Overh. Irrign.</i>	Overhead Irrigation
<i>Cyc.</i>	Cycle	<i>Platem.</i>	Platemaking
<i>Decid.</i>	Deciduous	<i>Plant. Propagn.</i>	Propagation of Plants
<i>D.I.Y.</i>	Do-it-yourself	<i>Rm.</i>	Room
<i>Dom. Anim.</i>	Domestic Animals	<i>Sp.</i>	Sports
<i>Equest.</i>	Equestrian Sport	<i>Text.</i>	Textile[s]
<i>Gdn.</i>	Garden	<i>Veg.</i>	Vegetable[s]

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