

SECTION A — HUMAN NECESSITIES

A01 AGRICULTURE; FORESTRY; ANIMAL HUSBANDRY; HUNTING; TRAPPING; FISHING

A01K ANIMAL HUSBANDRY; CARE OF BIRDS, FISHES, INSECTS; FISHING; REARING OR BREEDING ANIMALS, NOT OTHERWISE PROVIDED FOR; NEW BREEDS OF ANIMALS

Note(s)

This subclass covers:

- equipment for the care, culture or rearing of all animals or for obtaining their products, unless provided for elsewhere, e.g. milking A01J, shoeing animals A01L, veterinary devices A61D, devices in connection with harnesses B68B;
- methods of breeding animals or new animal breeds.

Subclass index

ANIMAL HUSBANDRY IN GENERAL, ESPECIALLY CATTLE RAISING

Housing, feeding or watering devices.....	1/00-9/00
Taming; muzzles, leads.....	15/00, 25/00, 27/00
Marking; devices for grooming.....	11/00, 13/00
Removing the fleece.....	14/00
Other apparatus.....	17/00-23/00, 29/00

AVICULTURE; EGGS

Housing, feeding or drinking appliances.....	31/00, 39/00
Marking.....	35/00
Other apparatus.....	33/00, 37/00, 41/00, 43/00, 45/00

APICULTURE

Housing, feeding or drinking appliances.....	47/00, 53/00
Other devices.....	49/00, 51/00, 55/00, 57/00, 59/00

PISCICULTURE.....61/00, 63/00

OTHER REARING OR BREEDING, NEW BREEDS.....67/00

FISHING WITH NETS.....69/00-75/00

ANGLING

Rods; reels.....	87/00, 89/00
Lines; accessories therefor.....	91/00, 83/00, 85/00, 93/00, 95/00
Accessories.....	97/00

OTHER FISHING.....69/00, 77/00-81/00, 99/00

Animal husbandry in general, especially cattle-raising**1/00 Housing animals; Equipment therefor** (building construction, features of buildings E04; ventilating buildings F24F)

- 1/01 • Removal of dung or urine (A01K 1/015 takes precedence) [2]
- 1/015 • Floor coverings, e.g. bedding-down sheets [2]
- 1/02 • Pigsties; Dog-kennels; Rabbit-hutches or the like
- 1/03 • • Housing for domestic or laboratory animals [2]
- 1/035 • • Devices for use in keeping domestic animals, e.g. fittings in housings, dog beds [2]
- 1/04 • Tethering-poles or the like
- 1/06 • Devices for fastening animals, e.g. halters, toggles, neck-bars, chain fastenings
- 1/062 • • Neck-bars [2]
- 1/064 • • Chain fastenings [2]
- 1/08 • Arrangements for simultaneously releasing several animals

1/10 • Feed racks (devices for impeding movement of animals A01K 15/04)

1/12 • Milking stations [2]

3/00 Pasturing equipment, e.g. tethering devices; Grids for preventing cattle from straying; Electrified wire fencing (construction of fencing in general E04H 17/00; electric circuits for fences H05C)

5/00 Feeding devices for stock or game (A01K 1/10 takes precedence; for poultry A01K 39/00) [2]

5/01 • Feed troughs; Feed pails [2]

5/015 • Licking-stone holders (salt blocks A23K 1/16) [2]

5/02 • Automatic devices

7/00 Watering equipment for stock or game

7/02 • Automatic devices (construction of valves F16K)

7/04 • • actuated by float [2]

7/06 • • actuated by the animal [2]

A01K

- 9/00 Sucking apparatus for young stock**
- 11/00 Marking of animals** (of poultry A01K 35/00; lead-sealing pliers B25B)
- 13/00 Devices for grooming or caring of animals, e.g. curry-combs** (scissors B26B); **Fetlock rings** (bandages, poultices A61D); **Tail-holders** (as part of the harness B68B 5/04); **Devices for preventing crib-biting; Washing devices** (milking machine accessories for treatment of udders or teats A01J 7/04; for medical purposes A61D 11/00); **Protection against weather conditions or insects**
- 14/00 Removing the fleece from live sheep or similar animals** (hand-held cutting tools B26B) [5]
- 15/00 Devices for taming animals, e.g. nose-rings or hobbles; Devices for overturning animals in general; Training or exercising equipment; Covering boxes** (devices for veterinary purposes A61D 3/00)
- 15/02 • Training or exercising equipment, e.g. mazes or labyrinths for animals (A01K 15/04 takes precedence) [2]
- 15/04 • Devices for impeding movement; Devices for impeding passage through fencing [2]
- 17/00 Dehorners; Horn trainers**
- 19/00 Weaning apparatus**
- 21/00 Devices for assisting or preventing mating** (covering boxes A01K 15/00)
- 23/00 Manure or urine pouches**
- 25/00 Muzzles**
- 27/00 Leads or collars, e.g. for dogs** (devices specially adapted or mounted for storing and repeatedly paying-out and re-storing lengths of material B65H 75/34)
- 29/00 Other apparatus for animal husbandry**

Aviculture; Testing, cleaning, stamping, or grading eggs

- 31/00 Housing birds**
- 31/02 • Door appliances; Automatic door-openers (counters for specific applications G07C 9/00)
- 31/04 • Dropping-boards; Devices for removing excrement
- 31/06 • Cages
- 31/07 • • Transportable cages (A01K 31/08 takes precedence) [2]
- 31/08 • • Collapsible cages
- 31/10 • Doors; Trap-doors
- 31/12 • Perches
- 31/14 • Nest-boxes
- 31/16 • • Laying nests for poultry; Egg collecting [2]
- 31/17 • • • Laying batteries [2]
- 31/18 • Chicken coops or houses; Brooders
- 31/19 • • Brooders [2]
- 31/20 • • Heating arrangements
- 31/22 • Poultry runs
- 31/24 • Dovecots; Pigeonlofts [2]
- 33/00 Nest-eggs**
- 35/00 Marking poultry or other birds**

- 37/00 Constraining birds, e.g. wing clamps**
- 39/00 Feeding or drinking appliances for poultry or other birds [2]**
- 39/01 • Feeding devices (A01K 39/04 takes precedence) [2]
- 39/012 • • filling automatically [2]
- 39/014 • • Feed troughs; Feed throwers [2]
- 39/02 • Drinking appliances (A01K 39/04 takes precedence; construction of valves F16K) [2]
- 39/022 • • with weight-controlled supply [2]
- 39/024 • • with float-controlled supply [2]
- 39/026 • • kept filled to constant level from incorporated storage [2]
- 39/04 • Combined feeding and drinking appliances
- 39/06 • Cramming appliances
- 41/00 Incubators for poultry**
- 41/02 • Heating arrangements
- 41/04 • Controlling humidity in incubators
- 41/06 • Egg-turning appliances for incubators
- 43/00 Testing, sorting, or cleaning eggs** (investigating or analysing eggs, e.g. by candling, G01N 33/08)
- 43/04 • Grading eggs
- 43/06 • • according to size
- 43/08 • • according to weight (sorting according to weight in general B07C 5/16)
- 43/10 • • Grading and stamping
- 45/00 Other aviculture appliances, e.g. devices for determining whether a bird is about to lay**

Apiculture

- 47/00 Beehives**
- 47/02 • Construction or arrangement of frames for honeycombs
- 47/04 • Artificial honeycombs
- 47/06 • Other details of beehives, e.g. ventilating devices, entrances to hives, guards, partitions, bee escapes
- 49/00 Rearing-boxes; Queen transporting or introducing cages**
- 51/00 Appliances for treating beehives or parts thereof, e.g. for cleaning or disinfecting**
- 53/00 Feeding or drinking appliances for bees**
- 55/00 Bee-smokers; Bee-keepers' accessories, e.g. veils** (smoking pipes A24F)
- 57/00 Appliances for providing, preventing, or catching swarms; Drone-catching devices**
- 59/00 Honey collection**
- 59/02 • Devices for uncapping honeycombs
- 59/04 • Honey strainers
- 59/06 • Devices for extracting wax

Pisciculture; Aquaria; Terraria

- 61/00 Culture of fish, mussels, crayfish, lobsters, sponges, pearls, or the like** (harvesting oysters, mussels, sponges or the like A01K 80/00)
- 61/02 • Feeding devices for fish

- 63/00 Receptacles for live fish, e.g. aquaria** (keepnets or other containers for keeping captured fish A01K 97/20); **Terraria** [5]
- 63/02 • Receptacles specially adapted for transporting live fish
- 63/04 • Arrangements for treating water specially adapted to receptacles for live fish (filters in general B01D; water treatment in general C02F) [3]
- 63/06 • Arrangements for heating or lighting in, or attached to, receptacles for live fish (heating or lighting apparatus *per se* F21, H01, H05B) [3]

65/00 Fish stringers

- 67/00 Rearing or breeding animals, not otherwise provided for; New breeds of animals** (methods for reproduction or fertilisation A61D 19/00; medicinal preparations containing sperm A61K 35/52; tissue- or animal-cell cultivation apparatus C12M 3/00; cultivation or maintenance of tissue or animal cells C12N 5/00; mutation or genetic engineering C12N 15/00)

Note(s)

In this group the following term is used with the meaning indicated:

- "breeding" means obtaining animals up to and including their birth or hatching.
- 67/02 • Breeding vertebrates (covering boxes A01K 15/00; devices for assisting or preventing mating A01K 21/00)
- 67/027 • New breeds of vertebrates [5]
- 67/033 • Rearing or breeding invertebrates; New breeds of invertebrates (non-chemical sterilisation of invertebrates A01M) [5]
- 67/04 • • Silkworms [5]

Fishing

69/00 Stationary catching devices for fishing

- 69/02 • Fixed nets without traps
- 69/04 • Fixed nets with traps
- 69/06 • Traps
- 69/08 • • Rigid traps, e.g. lobster pots
- 69/10 • • Collapsible traps

71/00 Floating fishing nets

73/00 Drawn fishing nets

- 73/02 • Trawling nets
- 73/04 • • Devices for spreading or positioning, e.g. control thereof [2]
- 73/045 • • • for lateral sheering, e.g. trawl boards [2]
- 73/05 • • • for vertical sheering [2]
- 73/053 • • • Ground-line rollers [4]
- 73/06 • • Hauling devices for the headlines
- 73/10 • • Determining the quantity of the catch, e.g. by the pull or drag on the lines
- 73/12 • Nets held vertically in the water, e.g. seines

74/00 Other catching nets or the like for fishing [2]

75/00 Accessories for fishing nets; Details of fishing nets, e.g. structure [4]

- 75/02 • Illuminating devices for nets
- 75/04 • Floats (for angling A01K 93/00) [4]

- 75/06 • Sinkers (for angling A01K 95/00) [4]

77/00 Landing-nets for fishing; Landing-spoons for fishing

79/00 Methods or means of catching fish in bulk not provided for in groups A01K 69/00-A01K 77/00

- 79/02 • by electrocution (electric circuits therefor H05C)

80/00 Harvesting oysters, mussels, sponges or the like (fishing nets A01K 73/00, A01K 74/00; dredgers E02F) [3]

81/00 Fishing with projectiles (weapons, projectiles other than fish-spears F41, F42)

- 81/04 • Fish-spears
- 81/06 • Equipment for hunting fish under water (swimming equipment A63B 31/00-A63B 35/00)

Angling

83/00 Fish-hooks

- 83/02 • Expanding fish-hook assembly
- 83/04 • with special gripping arms
- 83/06 • Devices for holding bait on hooks

85/00 Artificial bait for fishing

- 85/01 • with light emission, sound emission, scent dispersal or the like [2, 5]
- 85/02 • with means for concealing or protecting hooks, e.g. to prevent entanglement with weeds [5]
- 85/08 • Artificial flies (fly tying devices A01K 97/26) [5]
- 85/10 • with at least one flat rotating body having its axis of rotation substantially non-coincident with the longitudinal axis of the body [5]
- 85/12 • comprising a body rotating around its longitudinal axis, e.g. devons [5]
- 85/14 • with flat, or substantially flat, undulating bodies, e.g. spoons [5]
- 85/16 • with other than flat, or substantially flat, undulating bodies, e.g. plugs [5]
- 85/18 • • in two or more pieces [5]

87/00 Fishing rods

- 87/02 • Connecting devices for parts of the rods
- 87/04 • Fishing-line guides on rods
- 87/06 • Devices for fixing reels on rods
- 87/08 • Handgrips [5]

89/00 Fishing reels

- 89/01 • with pick-up, i.e. with the guiding member rotating and the spool being stationary during normal retrieval of the line (A01K 89/027 takes precedence) [2, 5]
- 89/012 • • motor-driven [2]
- 89/015 • with rotary drum (A01K 89/033 takes precedence) [2, 5]
- 89/0155 • • Antibacklash devices [5]
- 89/016 • • Fly reels [5]
- 89/0165 • • for trolling [5]
- 89/017 • • motor-driven [2]
- 89/02 • Brake devices for reels
- 89/027 • • with pick-up [5]
- 89/033 • • with rotary drum [5]
- 89/06 • Reversible reels [5]
- 89/08 • Pole-less fishing apparatus, i.e. hand-held reels [5]

91/00 Fishing lines

- 91/02 • Devices for casting lines

A01K

- 91/03 • Connecting devices (devices for fixing on or removing sinkers from lines A01K 95/02) [5]
 - 91/04 • • for connecting lines to hooks or lures [5]
 - 91/047 • • for connecting lines to lines [5]
 - 91/053 • • Fishing booms, i.e. connecting devices spreading out the leaders, e.g. to avoid tangling thereof [5]
 - 91/06 • Apparatus on lines not otherwise provided for, e.g. automatic hookers (floats A01K 93/00) [2, 5]
 - 91/08 • • Trolling devices [5]
 - 91/10 • • for automatic hook setting [5]
 - 91/12 • Fly lines [5]
 - 91/14 • Leaders [5]
 - 91/16 • • for fly fishing [5]
 - 91/18 • Trotlines, longlines; Accessories therefor, e.g. baiting devices, lifters, setting reelers [5]
 - 91/20 • Line length or depth measuring devices [5]
 - 93/00 Floats for angling, with or without signalling devices [4, 5]**
 - 93/02 • with signalling devices [5]
 - 95/00 Sinkers for angling [4]**
 - 95/02 • Devices for fixing on or removing sinkers from lines [5]
 - 97/00 Accessories for angling** (fish stringers A01K 65/00; landing-nets or landing-spoons for fishing A01K 77/00)
 - 97/01 • for ice-fishing [2]
 - 97/02 • Devices for laying ground-bait, e.g. chum dispensers
 - 97/04 • Containers for bait; Preparation of bait (feeding-stuffs for particular animals A23K 1/18) [2]
 - 97/05 • • Containers for live bait kept in water, e.g. for minnows, shrimps [5]
 - 97/06 • Containers or holders for hooks, lines, sinkers, flies or the like [5]
 - 97/08 • Containers for rods
 - 97/10 • Supports for rods
 - 97/11 • • with automatic hooking devices [5]
 - 97/12 • Signalling devices, e.g. tip-up devices (A01K 91/06 takes precedence) [2]
 - 97/14 • Gaffs
 - 97/16 • Devices for drying fishing lines
 - 97/18 • for removing fish-hooks from the fish [5]
 - 97/20 • Keepnets or other containers for keeping captured fish (A01K 97/05 takes precedence) [5]
 - 97/22 • Platforms or seat-boxes specially adapted for angling, e.g. tackle boxes for use as seats [5]
 - 97/24 • Arrangements for disengaging fish-hooks from obstacles [5]
 - 97/26 • Fly tying devices [5]
 - 97/28 • • Vices specially adapted therefor [5]
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- 99/00 Methods or apparatus for fishing not provided for in groups A01K 69/00-A01K 97/00 [2006.01]**