

SECTION A — HUMAN NECESSITIES

A43 FOOTWEAR

A43B CHARACTERISTIC FEATURES OF FOOTWEAR; PARTS OF FOOTWEAR

Subclass index

CHARACTERISTIC FEATURES OF FOOTWEAR.....	1/00-9/00, 11/00
PARTS OF FOOTWEAR.....	13/00-23/00

Characteristic features of footwear**1/00 Footwear characterised by the material [1, 2006.01]**

- 1/02 • made of fibres or fabrics made therefrom [1, 2006.01, 2022.01]
- 1/023 • • Animal fibres [2022.01]
- 1/025 • • Plant fibres [2022.01]
- 1/028 • • Synthetic or artificial fibres [2022.01]
- 1/04 • • braided, knotted, knitted or crocheted [1, 2006.01, 2022.01]
- 1/05 • • woven [2022.01]
- 1/06 • made of wood, cork, card-board, paper or like fibrous material [1, 2006.01]
- 1/08 • made of metal [1, 2006.01]
- 1/10 • made of rubber [1, 2006.01]
- 1/12 • • of rubber waste [1, 2006.01]
- 1/14 • made of plastics (A43B 1/028 takes precedence) [1, 2006.01]

3/00 Footwear characterised by the shape or the use [1, 2006.01, 2022.01]

- 3/02 • Boots covering the lower leg [1, 2006.01]
- 3/04 • • with rubber or elastic insertions or gussets [1, 2006.01]
- 3/06 • Shoes with flaps; Footwear with divided uppers [1, 2006.01]
- 3/08 • • with rubber or elastic insertions or gussets [1, 2006.01]
- 3/10 • Low shoes; Slippers [1, 2006.01]
- 3/12 • Sandals; Strap guides thereon [1, 2006.01]
- 3/14 • Moccasins, opanken or like shoes [1, 2006.01]
- 3/16 • Overshoes [1, 2006.01, 2022.01]
- 3/18 • • Devices for holding overshoes in position [1, 2006.01, 2022.01]
- 3/20 • • Heel-less overshoes [1, 2006.01, 2022.01]
- 3/24 • Collapsible or convertible [1, 2006.01]
- 3/26 • adjustable as to length or size [1, 2006.01]
- 3/30 • specially adapted for babies or small children [1, 2006.01]
- 3/34 • with electrical or electronic arrangements [2022.01]
- 3/35 • • with electric heating arrangements [2022.01]
- 3/36 • • with light sources [2022.01]
- 3/38 • • with power sources [2022.01]
- 3/40 • • • Batteries [2022.01]

- 3/42 • • • where power is generated by conversion of mechanical movement to electricity, e.g. by piezoelectric means [2022.01]
- 3/44 • • with sensors, e.g. for detecting contact or position [2022.01]
- 3/46 • • • Global positioning system [GPS] sensors [2022.01]
- 3/48 • • with transmitting devices, e.g. GSM or Wi-Fi® [2022.01]
- 3/50 • • with sound or music sources [2022.01]

5/00 Footwear for sporting purposes (non-skid devices, e.g. ice-spurs or studs for football shoes, A43C 15/00) [1, 2006.01, 2022.01]

- 5/02 • Football boots [1, 2006.01]
- 5/04 • Ski or like boots [1, 2006.01]
- 5/06 • Running shoes; Track shoes [1, 2006.01, 2022.01]
- 5/08 • Bathing shoes [1, 2006.01]
- 5/10 • Tennis shoes [1, 2006.01]
- 5/12 • Dancing shoes [1, 2006.01]
- 5/14 • Shoes for cyclists [1, 2006.01]
- 5/16 • Skating boots [1, 2006.01]
- 5/18 • Attachable overshoes for sporting purposes [1, 2006.01]

7/00 Footwear with health or hygienic arrangements [1, 2006.01]

- 7/02 • with heating arrangements (with electric heating arrangements A43B 3/35) [1, 2006.01, 2022.01]
- 7/06 • ventilated [1, 2006.01]
- 7/08 • • with air-holes, with or without closures [1, 2006.01, 2022.01]
- 7/083 • • • with pumping means or valves [2022.01]
- 7/10 • • • with closable air-slots [1, 2006.01, 2022.01]
- 7/12 • Special watertight footwear (overshoes A43B 3/16) [1, 2006.01]
- 7/14 • with foot-supporting parts [1, 2006.01, 2022.01]
- 7/1405 • • with pads or holes on one or more locations, or having an anatomical or curved form [2022.01]
- 7/1415 • • • characterised by the location under the foot [2022.01]
- 7/142 • • • • situated under the medial arch, i.e. under the navicular or cuneiform bones [2022.01]

- 7/1425 • • • • situated under the ball of the foot, i.e. the joint between the first metatarsal and first phalange [2022.01]
- 7/143 • • • • situated under the lateral arch, i.e. the cuboid bone [2022.01]
- 7/1435 • • • • situated under the joint between the fifth phalange and the fifth metatarsal bone [2022.01]
- 7/144 • • • • situated under the heel, i.e. the calcaneus bone [2022.01]
- 7/1445 • • • • situated under the midfoot, i.e. the second, third or fourth metatarsal [2022.01]
- 7/145 • • • • situated under the toes, i.e. the phalanges [2022.01]
- 7/1455 • • • • with special properties [2022.01]
- 7/1463 • • • • with removable pads to allow custom fit [2022.01]
- 7/1464 • • • • with adjustable pads to allow custom fit [2022.01]
- 7/1466 • • • • • adjustable by screws or threads [2022.01]
- 7/1467 • • • • • adjustable by resilient members, e.g. springs [2022.01]
- 7/1468 • • • • • adjustable by shims [2022.01]
- 7/1469 • • • • • adjustable by selectively fastening or securing into multiple available positions [2022.01]
- 7/1475 • • • • characterised by the type of support [2022.01]
- 7/148 • • • • Recesses or holes filled with supports or pads [2022.01]
- 7/1485 • • • • Recesses or holes, traversing partially or completely the thickness of the pad [2022.01]
- 7/149 • • • • Pads, e.g. protruding on the foot-facing surface [2022.01]
- 7/16 • • with elevated heel parts inside [1, 2006.01]
- 7/18 • • Joint supports, e.g. instep supports [1, 2006.01]
- 7/19 • • • engaging the ground directly [1, 2006.01]
- 7/20 • • • Ankle-joint supports or holders [1, 2006.01]
- 7/22 • • with fixed flat-foot insertions, metatarsal supports, ankle flaps or the like [1, 2006.01]
- 7/24 • • Insertions or other supports preventing the foot canting to one side [1, 2006.01]
- 7/26 • • with toe-spacers or toe-spreaders [1, 2006.01]
- 7/28 • • Adapting the inner sole of the shoe to the sole of the foot [1, 2006.01]
- 7/30 • • Protecting the ball-joint against pressure while standing [1, 2006.01]
- 7/32 • with shock-absorbing means (resilient soles A43B 13/18) [1, 2006.01]
- 7/34 • with protection against heat or cold [1, 2006.01]
- 7/36 • with earthing or grounding means [1, 2006.01]
- 7/38 • Elevating, i.e. height increasing (with elevated heel parts inside A43B 7/16; lengthening pieces for natural legs A61F 3/00) [2, 2006.01]

9/00 Footwear characterised by the assembling of the individual parts [1, 2006.01]

- 9/02 • Footwear stitched or nailed through [1, 2006.01]
- 9/04 • Welted footwear (welts A43B 15/00) [1, 2006.01]
- 9/06 • • stitched or nailed through [1, 2006.01]
- 9/08 • Turned footwear [1, 2006.01]
- 9/10 • Footwear with out-turned uppers [1, 2006.01]
- 9/12 • Stuck or cemented footwear [1, 2006.01]
- 9/14 • Platform shoes [1, 2006.01]
- 9/16 • Footwear with soles moulded on to uppers or welded on to uppers without adhesive [1, 2006.01]

9/18 • • moulded [1, 6, 2006.01]

9/20 • • welded [1, 2006.01]

11/00 Footwear with arrangements to facilitate putting-on or removing, e.g. with straps [1, 2006.01]

- 11/02 • with built-in shoe-horns [1, 2006.01]

Parts of footwear

13/00 Soles; Sole-and-heel integral units [1, 2006.01]

- 13/02 • characterised by the material [1, 2006.01, 2022.01]
- 13/04 • • Plastics, rubber or vulcanised fibre [1, 2006.01]
- 13/06 • • Leather [2022.01]
- 13/08 • • Wood [1, 2006.01]
- 13/10 • • Metal [1, 2006.01]
- 13/12 • • Soles with several layers of different materials [1, 2006.01]
- 13/14 • characterised by the constructive form [1, 2006.01]
- 13/16 • • Pieced soles (with several layers of different material A43B 13/12) [1, 2006.01]
- 13/18 • • Resilient soles [1, 2006.01]
- 13/20 • • • Pneumatic soles [1, 2006.01]
- 13/22 • • Soles made slip-preventing or wear-resisting, e.g. by impregnation or spreading a wear-resisting layer [1, 2006.01]
- 13/24 • • • by use of insertions [1, 2006.01]
- 13/26 • • • • projecting beyond the sole surface [1, 2006.01]
- 13/28 • characterised by their attachment, also attachment of combined soles and heels [1, 2006.01]
- 13/30 • • by screws [1, 2006.01]
- 13/32 • • by adhesives [1, 2006.01]
- 13/34 • • Soles also attached to the inner side of the heels [1, 2006.01]
- 13/36 • • Easily-exchangeable soles (protecting-soles A43C 13/12) [1, 2006.01]
- 13/37 • Sole and heel units [1, 2006.01]
- 13/38 • Built-in insoles joined to uppers during the manufacturing process, e.g. structural insoles; Insoles glued to shoes during the manufacturing process [1, 2006.01]
- 13/39 • • with upset sewing ribs [1, 2006.01]
- 13/40 • • with cushions [1, 2006.01]
- 13/41 • • combined with heel stiffener, toe stiffener, or shank stiffener [1, 2006.01]
- 13/42 • Filling materials located between the insole and outer sole; Stiffening materials [1, 2006.01]

15/00 Welts for footwear [1, 2006.01]

17/00 Insoles for insertion, e.g. footbeds or inlays, for attachment to the shoe after the upper has been joined [1, 2006.01]

- 17/02 • wedge-like or resilient [1, 2006.01]
- 17/03 • • filled with a gas, e.g. air [1, 2006.01]
- 17/04 • with metal insertions or coverings [1, 2006.01]
- 17/06 • with metal springs [1, 2006.01]
- 17/08 • ventilated [1, 2006.01]
- 17/10 • specially adapted for sweaty feet; waterproof [1, 2006.01]
- 17/12 • made of wood [1, 2006.01]
- 17/14 • made of sponge, rubber, or plastic materials [1, 2006.01]
- 17/16 • with heel or toe caps [1, 2006.01]
- 17/18 • Arrangements for attaching removable insoles to footwear [1, 2006.01]

- 19/00 Shoe-shaped inserts; Inserts covering the instep [1, 2006.01]**
- 21/00 Heels; Top-pieces or top-lifts [1, 2006.01]**
- 21/02 • characterised by the material [1, 2006.01]
- 21/03 • • wood [1, 2006.01]
- 21/04 • • leather [1, 2006.01]
- 21/06 • • rubber [1, 2006.01]
- 21/08 • • • combined hard and soft rubber [1, 2006.01]
- 21/10 • • • Expansible top-pieces [1, 2006.01]
- 21/12 • • • Tread surfaces with suction cavities [1, 2006.01]
- 21/14 • • • Heels or top-pieces made of rubber waste [1, 2006.01]
- 21/16 • • • with non-rubber insertions in the tread surface [1, 2006.01]
- 21/18 • • combined rubber and leather [1, 2006.01]
- 21/20 • • plastics [1, 2006.01]
- 21/22 • Heels or heel attachments specially designed to prevent splashing [1, 2006.01]
- 21/24 • characterised by the constructive form [1, 2006.01]
- 21/26 • • Resilient heels [1, 2006.01]
- 21/28 • • • Pneumatic heels [1, 2006.01]
- 21/30 • • Heels with metal springs [1, 2006.01]
- 21/32 • • Resilient supports for the heel of the foot [1, 2006.01]
- 21/34 • • Hollow metal heels with interchangeable top-pieces [1, 2006.01]
- 21/36 • characterised by their attachment; Securing devices for the attaching means (combined with soles A43B 13/28) [1, 2006.01]
- 21/37 • • by hook-shaped or bent attaching means [1, 2006.01]
- 21/38 • • by screws only [1, 2006.01]
- 21/39 • • by rib and groove [1, 2006.01]
- 21/40 • • • by dovetail [1, 2006.01]
- 21/42 • • Heels with replaceable or adjustable parts [1, 2006.01]
- 21/433 • • • rotatably mounted [1, 2006.01]
- 21/437 • • • with axially-adjustable rod-like top-pieces [1, 2006.01]
- 21/44 • • by claw-like means [1, 2006.01]
- 21/45 • • • with special tensioning means [1, 2006.01]
- 21/46 • • by bolts [1, 2006.01]
- 21/47 • • by resilient means [1, 2006.01]
- 21/48 • • • by press-buttons [1, 2006.01]
- 21/50 • • by bayonet catches or the like [1, 2006.01]
- 21/51 • • with keyhole-shaped opening and pin [1, 2006.01]
- 21/52 • • Interchangeable heel parts without special attachments [1, 2006.01]
- 21/54 • • by adhesion or the like [1, 2006.01]
- 23/00 Uppers; Boot legs; Stiffeners; Other single parts of footwear [1, 2006.01]**
- 23/02 • Uppers; Boot legs [1, 2006.01]
- 23/04 • • Uppers made of one piece; Uppers with inserted gussets [1, 2006.01]
- 23/06 • • Waterproof legs [1, 2006.01]
- 23/07 • Linings therefor [1, 2006.01]
- 23/08 • Heel stiffeners; Toe stiffeners [1, 2006.01]
- 23/10 • • made of metal [1, 2006.01]
- 23/14 • • made of leather [1, 2006.01]
- 23/16 • • made of impregnated fabrics, plastics or the like [1, 2006.01]
- 23/17 • • • made of plastics [1, 2006.01]
- 23/20 • Nails, pegs, pins, clamps, or tacks, for footwear [1, 2006.01]
- 23/22 • Supports for the shank or arch of the uppers [1, 2006.01]
- 23/24 • Ornamental buckles; Other ornaments for shoes without fastening function [1, 2006.01]
- 23/25 • • Arrangement of ribbons on footwear [1, 2006.01]
- 23/26 • Tongues for shoes [1, 2006.01]
- 23/28 • Devices to put in shoes in order to prevent slipping at the heel or to prevent abrading the stockings [1, 2006.01]
- 23/30 • Heel-protectors for car-drivers [1, 2006.01]

A43C FASTENINGS OR ATTACHMENTS FOR FOOTWEAR; LACES IN GENERAL

Subclass index

LACING.....	1/00-9/00
OTHER FASTENINGS FOR SHOES.....	11/00
ACCESSORIES FOR SHOES.....	13/00, 15/00, 17/00
OTHER ATTACHMENTS FOR FOOTWEAR.....	19/00

- 1/00 Shoe lacing fastenings (garment fastening devices A41F) [1, 2006.01]**
- 1/02 • with elastic laces [1, 2006.01]
- 1/04 • with rings or loops [1, 2006.01]
- 1/06 • tightened by draw-strings [1, 2006.01]
- 3/00 Hooks for laces (making from sheet metal B21D 53/46); Guards for hooks [1, 2006.01]**
- 3/02 • Lacing-hooks with guide-rollers [1, 2006.01]
- 3/04 • Spring safety-hooks [1, 2006.01]
- 5/00 Eyelets (machines for setting eyelets A43D 100/00) [1, 2006.01]**
- 7/00 Holding-devices for laces [1, 2006.01]**
- 7/02 • Flaps; Pockets [1, 2006.01]
- 7/04 • Hinged devices [1, 2006.01]
- 7/06 • Elastic bands [1, 2006.01]
- 7/08 • Clamps drawn tight by laces [1, 2006.01]
- 9/00 Laces; Laces in general for garments made of textiles, leather, or plastics [1, 2006.01]**
- 9/02 • provided with tags, buttons, or decorative tufts [1, 2006.01]
- 9/04 • Forming ends of laces of plastics, celluloid, rubber, or the like [1, 2006.01]
- 9/06 • Releasable ends of laces [1, 2006.01]
- 9/08 • made of paper or wire [1, 2006.01]

A43C

- 11/00 Other fastenings specially adapted for shoes** (dress fastenings in general A44B) [1, 2006.01]
- 11/02 • Button fastenings [1, 2006.01]
- 11/04 • • Studs; Fastening same [1, 2006.01]
- 11/06 • Snap-button fastenings [1, 2006.01]
- 11/08 • Hook fastenings; Rotary hooks [1, 2006.01]
- 11/10 • • Hooks with several tongues [1, 2006.01]
- 11/12 • Slide or glide fastenings [1, 2006.01]
- 11/14 • Clamp fastenings; Clamp-buckle fastenings; Fastenings with toggle levers [1, 2006.01]
- 11/16 • Fastenings secured by wire, bolts, or the like [1, 2006.01]
- 11/18 • Fastenings of the lazy-tongs type [1, 2006.01]
- 11/20 • Fastenings with tightening devices mounted on the tongue [1, 2006.01]
- 11/22 • Fastening devices with elastic tightening parts between pairs of eyelets, e.g. clamps, springs, bands [1, 2006.01]
- 11/24 • Ornamental buckles or other ornaments for shoes, with fastening function (buckles in general A44B 11/00) [1, 2006.01]
- 13/00 Wear-resisting attachments** [1, 2006.01]
- 13/02 • Metal plates for soles or heels [1, 2006.01]
- 13/04 • Cleats; Simple studs; Screws; Hob-nails [1, 2006.01]
- 13/06 • Attachments for edges of soles, especially for ski boots [1, 2006.01]
- 13/08 • • with rubber, plastics, leather, felt, or like parts [1, 2006.01]
- 13/10 • • made from wire [1, 2006.01]
- 13/12 • Releasable protecting-soles of metal (soles of metal A43B 13/10) [1, 2006.01]
- 13/14 • Special attachments for toe-caps; Protecting caps for toe-caps [1, 2006.01]
- 15/00 Non-skid devices or attachments** (apparatus for climbing poles, trees, or the like A63B 27/00) [1, 2006.01]
- 15/02 • attached to the sole [1, 2006.01]
- 15/04 • attached to the heel [1, 2006.01]
- 15/06 • Ice-gripping devices or attachments, e.g. ice-spurs, ice-cleats, ice-creepers, crampons; Climbing devices or attachments (A43C 15/09 takes precedence; ice-spurs for horseshoes A01L 7/08) [1, 3, 2006.01]
- 15/08 • • Reversible ice-spikes [1, 2006.01]
- 15/09 • Equipment associated with footwear for walking on inclines to compensate for angle of inclination [3, 2006.01]
- 15/10 • Non-ski attachments made of wire, chain, or other meshed material [1, 2006.01]
- 15/12 • Small releasable non-slip straps [1, 2006.01]
- 15/14 • with outwardly-movable spikes [1, 2006.01]
- 15/16 • Studs for football or like boots [1, 2006.01]
- 15/18 • Serrated grips [1, 2006.01]
- 17/00 Spurs** [1, 2006.01]
- 17/02 • Spurs; Means for fastening spurs [1, 2006.01]
- 17/04 • Releasable spur fastenings [1, 2006.01]
- 17/06 • Collapsible spurs [1, 2006.01]
- 19/00 Attachments for footwear, not provided for in other groups of this subclass** [2006.01]

A43D MACHINES, TOOLS, EQUIPMENT OR METHODS FOR MANUFACTURING OR REPAIRING FOOTWEAR (sewing D05B) [6]

Note(s)

In this subclass, a method of manufacturing footwear which is dependent on a distinct machine or tool, is classified in the group covering the machine or tool for the manufacture.

Subclass index

MEASUREMENT OF FOOT OR LAST.....	1/00
LASTS.....	3/00
WORKING-UP UPPERS OR STIFFENERS.....	8/00-8/34, 8/38-8/54
PULLING-OVER OR LASTING.....	9/00-23/00
MAKING OR PREPARING PARTS OF SHOES BEFORE ASSEMBLING	
Soles.....	8/36, 8/50, 8/52, 29/00, 35/00, 37/00, 43/00
Heels, heel lifts.....	33/00, 83/00
Shank stiffeners.....	31/00
ASSEMBLING PARTS OF SHOES	
Securing by metallic elements.....	69/00, 71/00, 75/00
Securing by gluing.....	25/00
Securing by other techniques, e.g. welding.....	86/00
Securing soles.....	25/00, 44/00, 67/00, 86/00
Securing heels.....	67/00, 79/00, 81/00, 86/00
Securing welts.....	44/00
OTHER OPERATIONS SUBSEQUENT TO LASTING	
On soles or heels.....	27/00
On welts.....	47/00, 57/00
On in-seams.....	51/00, 53/00, 55/00
Other work.....	49/00, 59/00, 85/00
PERFORMING FINISHING OPERATIONS.....	63/00, 87/00-95/00
MAKING, SETTING, OR REMOVING ACCESSORIES.....	39/00, 97/00, 98/00, 100/00
OTHER EQUIPMENT OR MECHANISMS FOR SHOEMAKING OR REPAIRING.....	5/00, 61/00, 111/00-119/00
SUBJECT MATTER NOT PROVIDED FOR IN OTHER GROUPS OF THIS SUBCLASS.....	999/00

Measuring devices; Lasts; Tools**1/00 Foot or last measuring devices; Measuring devices for shoe parts [1, 2006.01]**

- 1/02 • Foot-measuring devices (measuring the shape, pattern or size of the body for diagnostic purposes A61B 5/103, e.g. measuring physical dimensions A61B 5/107) [1, 2006.01]
- 1/04 • Last-measuring devices [1, 2006.01]
- 1/06 • Measuring devices for the inside measure of shoes, for the height of heels, or for the arrangement of heels [1, 2006.01]
- 1/08 • Measuring devices for shoe parts [1, 2006.01]

3/00 Lasts [1, 2006.01]

- 3/02 • Lasts for making or repairing shoes (making of wooden lasts B27M 3/20) [1, 2006.01]
- 3/04 • Pneumatic lasts; Elastic lasts [1, 2006.01]
- 3/06 • Wedge locks for lasts [1, 2006.01]
- 3/08 • Devices for stretching special parts of shoes [1, 2006.01]
- 3/10 • Devices for removing lasts [1, 2006.01]
- 3/12 • Devices for inserting or reinserting lasts [1, 2006.01]
- 3/14 • Stretching or spreading lasts; Boot-trees; Fillers; Devices for maintaining the shape of the shoe (drying of footwear A47L 23/20) [1, 2006.01]

5/00 Hand appliances or hand tools for making or repairing shoes, other than those covered by groups A43D 15/00, A43D 19/00, A43D 95/00, A43D 100/00, A43D 117/00 [1, 2006.01]

- 5/02 • Stands for making footwear (stands for cleaning shoes A47L 23/16) [1, 2006.01]
- 5/04 • Knives (knives in general B26B) [1, 2006.01]
- 5/06 • Tools for cutting-off the ends of nails or pegs in shoes [1, 2006.01]
- 5/08 • Awls (making B21G) [1, 2006.01]
- 5/10 • Shoe-peg rasps (wood rasps B27G 17/06) [1, 2006.01]
- 5/12 • Hand nailing apparatus for shoemaking (A43D 19/02 takes precedence; nailing apparatus in general B25C, B27F) [1, 2006.01]
- 5/14 • • Hand pincers for stapling [1, 2006.01]

- 8/12 • • • Patterns or templates therefor [3, 2006.01]
- 8/14 • • • • Applying bindings to pattern edges [3, 2006.01]
- 8/16 • Ornamentation (by creasing A43D 8/44; of leather in general C14B 1/56) [3, 2006.01]
- 8/18 • • by punching or perforating (punching for eyelet-setting A43D 100/02) [3, 2006.01]
- 8/20 • • • Dies therefor [3, 2006.01]
- 8/22 • • by embossing or printing (printing in general, stamping B41) [3, 2006.01]
- 8/24 • • • Embossing using heat, e.g. high frequency electric current [3, 2006.01]
- 8/26 • Marking for future work (A43D 8/16 takes precedence; printing, stamping B41) [3, 2006.01]
- 8/28 • • Patterns for drawing cut-outs (in making clothes A41H 3/00) [3, 2006.01]
- 8/30 • • Charting sheet material for subsequent cutting [3, 2006.01]
- 8/32 • Working on edges or margins (of leather in general C14B 1/02, C14B 11/00) [3, 2006.01]
- 8/34 • • by skiving (A43D 8/48 takes precedence) [3, 2006.01]
- 8/36 • • by trimming the margins of sole blanks (trimming as an intermediate operation in shoemaking A43D 27/00, as a finishing operation in shoemaking A43D 87/00) [3, 2006.01]
- 8/38 • • • by cutting-out, e.g. using templates [3, 2006.01]
- 8/40 • • by folding, turning in or over, hammering [3, 2006.01]
- 8/42 • • by singeing, contracting, dyeing [3, 2006.01]
- 8/44 • Creasing presses (folding on margins A43D 8/40) [3, 2006.01]
- 8/46 • Splitting (of leather in general C14B 1/02) [3, 2006.01]
- 8/48 • • combined with skiving [3, 2006.01]
- 8/50 • • Combined splitting and trimming of the heel-seat portions of sole blanks (of soles fixed to shoe bottoms A43D 27/04) [3, 2006.01]
- 8/52 • Flexing (of leather in general C14B) [3, 2006.01]
- 8/54 • • by milling [3, 2006.01]
- 8/56 • • of sole blanks by slitting [3, 2006.01]

Pulling-over or lasting**8/00 Machines for cutting, ornamenting, marking or otherwise working up shoe part blanks (pulling-over or lasting A43D 9/00-A43D 23/00; making or fastening soles, heels or welts A43D 25/00-A43D 83/00) [3, 2006.01]**

- 8/02 • Cutting-out (cutting in general B26D, B26F; of leather articles in general C14B 5/00) [3, 2006.01]
- 8/04 • • Stamping-out (A43D 8/10 takes precedence) [3, 2006.01]
- 8/06 • • • Dies therefor [3, 2006.01]
- 8/08 • • • Combined stamping-out and bonding, e.g. high frequency electric current being applied between cutting edge and work support [3, 2006.01]
- 8/10 • • Cutting-out using pattern grading (for trimming A43D 8/38; pattern grading in making clothes A41H 3/00; pattern copying in general B23Q 33/00, B23Q 35/00) [3, 2006.01]

9/00 Devices for binding the uppers upon the lasts (for the toe ends A43D 15/00) [1, 2006.01]**11/00 Machines for preliminary treatment or assembling of upper-parts, counters, or insoles on their lasts preparatory to the pulling-over or lasting operations; Applying or removing protective coverings [1, 2006.01]**

- 11/01 • Machines for applying or securing reinforcements or ornamental straps to uppers (to soles or insoles A43D 43/06) [3, 2006.01]
- 11/02 • • to the margins thereof [1, 3, 2006.01]
- 11/03 • • Coating with thermoplastic materials to stiffen the toe or heel portion [3, 2006.01]
- 11/04 • Machines for seam-pressing or flattening shoe parts, quarters, or the like (on lasted shoes A43D 55/00) [1, 2006.01]

A43D

- 11/06 • Machines for temporary buttoning of shoe parts [1, 2006.01]
- 11/08 • Machines for temporary lacing of shoe parts or for cutting-away the lacing strips after lasting [1, 2006.01]
- 11/10 • Devices for holding the lacing portions in position during lasting [1, 2006.01]
- 11/12 • Machines for forming the toe part or heel part of shoes, with or without use of heat [1, 2006.01]
- 11/14 • Devices for treating shoe parts, e.g. stiffeners, with steam or liquid (for soled shoes A43D 95/12) [1, 2006.01]
- 13/00 Machines for pulling-over the uppers when loosely laid upon the last and tacking the toe end [1, 2006.01]**
- 13/02 • Devices for locating caps or stiffeners on pulling-over machines [1, 2006.01]
- 15/00 Pulling-over or lasting machines for binding the toe end with cord, string, or wire; Machines for lasting with clamps; Lasting machines with sewing devices, also for platform shoes (special sewing machines for leather or shoes D05B) [1, 2006.01]**
- 17/00 Pulling-over or lasting machines with oscillating shoe supports [1, 2006.01]**
- 19/00 Hand lasting; Lasting pincers [1, 2006.01]**
- 19/02 • Tacking or nailing devices for use with lasting pincers [1, 2006.01]
- 21/00 Lasting machines [1, 2006.01]**
- 21/02 • with one single lasting gripper [1, 2006.01]
- 21/04 • for lasting the opposite sides of the shoe one after another [1, 2006.01]
- 21/06 • for wooden soles (A43D 21/16, A43D 21/18 take precedence) [1, 2006.01]
- 21/08 • with last supports and toe- or heel-embracing wipers movable both horizontally and vertically (A43D 21/16 takes precedence) [1, 2006.01]
- 21/10 • Bed-lasting machines [1, 2006.01]
- 21/12 • with lasting clamps, shoe-shaped clamps, wipers, stretching straps, or the like for forming the toe or heel parts on the last [1, 2006.01]
- 21/14 • for toe or heel parts, with nailing devices [1, 2006.01]
- 21/16 • with lasting pincers or toe- or heel-embracing wipers [1, 2006.01]
- 21/18 • with lasting pincers and straight-acting wipers, also for forming the shank portions of shoes [1, 2006.01]
- 23/00 Single parts for pulling-over or lasting machines (nailing devices A43D 75/00) [1, 2006.01]**
- 23/02 • Wipers; Sole-pressers; Last-supports; Pincers [1, 2006.01]
- 23/04 • Last-carriers; Shoe-guides [1, 2006.01]
- 23/06 • Devices for cutting-off superfluous material on the uppers or linings [1, 2006.01]
- Making or fastening soles, heels, or welts, or preparing same for fastening to the shoe; Carrying out other operations subsequent to lasting; Turning**
- 25/00 Devices for gluing shoe parts [1, 2006.01]**
- 25/047 • Devices for lasting with adhesives or for gluing together insoles and uppers (A43D 25/18, A43D 25/20 take precedence) [3, 2006.01]
- 25/053 • • with rotating gripping means [3, 2006.01]
- 25/06 • Devices for gluing soles on shoe bottoms (A43D 25/18, A43D 25/20 take precedence) [1, 3, 2006.01]
- 25/07 • • using flexible diaphragm pressing devices [3, 2006.01]
- 25/08 • • Welt hold-down devices [1, 2006.01]
- 25/10 • • Press-pads or other supports of shoe-gluing presses [1, 2006.01]
- 25/12 • Devices for gluing heel-breasts to heels or for gluing coverings on heels (A43D 25/18, A43D 25/20 take precedence) [1, 3, 2006.01]
- 25/14 • Devices for filling the shoe bottom [1, 2006.01]
- 25/16 • Devices for making glued platform shoes [1, 2006.01]
- 25/18 • Devices for applying adhesives to shoe parts (A43D 25/20 takes precedence; applying liquids or other fluent materials to surfaces in general B05) [3, 2006.01]
- 25/20 • Arrangements for activating or for accelerating setting of adhesives, e.g. by using heat [3, 2006.01]
- 27/00 Machines for trimming as an intermediate operation (working on edges or margins, e.g. by trimming, of shoe part blanks A43D 8/32; trimming as a finishing operation in shoemaking A43D 87/00) [1, 2006.01]**
- 27/02 • Soles or heels fixed on shoe bottoms [1, 2006.01]
- 27/04 • • Heel-end portions of soles [1, 3, 2006.01]
- 27/06 • • Heel breast flaps [1, 3, 2006.01]
- 29/00 Machines for making soles from strips of material [1, 2006.01]**
- 31/00 Machines for making or inserting shank stiffeners [1, 2006.01]**
- 31/02 • Machines for making shank stiffeners [1, 2006.01]
- 31/04 • Machines for inserting shank stiffeners [1, 2006.01]
- 33/00 Machines for assembling lifts for heels (cutting-out heel lifts A43D 8/02) [1, 2006.01]**
- 33/02 • Gauges for heel lifts; Magazines for piling up heel lifts [1, 2006.01]
- 33/04 • Nailing machines for building the heels from lifts [1, 2006.01]
- 33/06 • Machines for sorting heel lifts [1, 2006.01]
- 35/00 Presses for shaping pre-existing loose soles, shoe bottoms, or soles fixed to shoe bottoms (gluing soles on shoe bottoms A43D 25/06) [1, 2006.01]**
- 37/00 Machines for roughening soles or other shoe parts preparatory to gluing [1, 2006.01]**
- 39/00 Machines for making foot-supporting pads or instep-raisers for flat feet [1, 2006.01]**
- 43/00 Machines for making stitch lips, or other preparatory treatment of soles or insoles before fixing same (flexing of soles or insoles A43D 8/52) [1, 2006.01]**
- 43/02 • for making stitch lips by cutting [1, 2006.01]
- 43/06 • for applying reinforcing materials to insoles; Attachment of ornamental tapes or ribs, e.g. sewing ribs, on soles, or the like [1, 2006.01]
- 44/00 Machines for attaching welts or rands [1, 2006.01]**
- 47/00 Machines for trimming or butting welts fixed on uppers [1, 2006.01]**
- 49/00 Machines for pounding [1, 2006.01]**

- 51/00 **Machines for lip-setting [1, 2006.01]**
- 53/00 **Machines for trimming-off surplus material along the inseam [1, 2006.01]**
- 55/00 **Machines for flattening, pressing, or rubbing the inseams of lasted shoes [1, 2006.01]**
- 57/00 **Machines for attaching the welt ends [1, 2006.01]**
- 59/00 **Machines for rasping the lasting-margins of shoes which are sewn through [1, 2006.01]**
- 61/00 **Machines for nail-pulling, nail-cutting, or nail-detecting [1, 2006.01]**
- 63/00 **Machines for carrying out other finishing operations [1, 2006.01]**
- 67/00 **Machines for fastening soles or heels by means of screws or screwed wire [1, 2006.01]**
- 69/00 **Shoe-nailing machines** (nailing machines in general B27F) [1, 2006.01]
- 69/02 • using ready-made nails [1, 2006.01]
- 69/04 • with apparatus for separating the nails from a wire or from a strip of metal or other material [1, 2006.01]
- 69/06 • using ready-made staples [1, 2006.01]
- 69/08 • with apparatus for making staples [1, 2006.01]
- 69/10 • using ready-made wooden pegs [1, 2006.01]
- 69/12 • with apparatus for separating the pegs from a strip of wood [1, 2006.01]
- 69/14 • for nailing or stapling the lasted margin on to shoes with wooden soles [1, 2006.01]
- 71/00 **Elements of nailing machines; Nail-feeding devices [1, 2006.01]**
- 71/02 • Driving mechanisms for moving the horn; Nail-cutting apparatus connected with the horn [1, 2006.01]
- 75/00 **Nailing devices on pulling-over or lasting machines [1, 2006.01]**
- 79/00 **Combined heel-pressing and nailing machines [1, 2006.01]**
- 81/00 **Machines for attaching top-lifts [1, 2006.01]**
- 83/00 **Heel-presses without nailing apparatus; Machines for pressing single lifts or punching holes for nailing [1, 2006.01]**
- 85/00 **Machines or apparatus for turning, e.g. for making turn-shoes [1, 2006.01]**
- 86/00 **Machines for assembling soles or heels onto uppers, not provided for in groups A43D 25/00-A43D 83/00, e.g. by welding [6, 2006.01]**
- Performing finishing operations upon uppers, soles, or heels on soled shoes; Making shoe appurtenances**
- 87/00 **Edge or heel cutters; Machines for trimming the heel breast** (trimming machines for wooden heels B27M; copying machines B44B) [1, 2006.01]
- 89/00 **Sole-levelling machines with rolls [1, 2006.01]**
- 91/00 **Stitch-separating or seam-indenting machines [1, 2006.01]**
- 93/00 **Edge-indenting machines [1, 2006.01]**
- 95/00 **Shoe-finishing machines [1, 2006.01]**
- 95/02 • Machines for treating or smoothing shoe uppers to remove wrinkles, folds, or the like [1, 2006.01]
- 95/04 • Machines for laying channel-flaps [1, 2006.01]
- 95/06 • Machines for colouring or chemical treatment; Ornamenting the sole bottoms (burnishing A43D 95/20) [1, 2006.01]
- 95/08 • Machines or tools for scouring, abrading, or finishing, with or without dust-separating (suction cleaners for removing dust A47L 5/00; domestic cleaning of footwear A47L 23/00) [1, 2006.01]
- 95/10 • Drying or heating devices for shoes [1, 2006.01]
- 95/12 • Devices for conditioning, tempering, or moistening (preparatory to pulling-over or lasting A43D 11/14) [1, 2006.01]
- 95/14 • incorporating marking, printing, or embossing apparatus (ornamentation of shoe part blanks A43D 8/16; printing *per se*, stamping *per se* B41) [1, 2006.01]
- 95/16 • Burnishing tools for shoemaking (in general B24D) [1, 2006.01]
- 95/18 • • Devices for heating the burnishing tools for shoemaking [1, 2006.01]
- 95/20 • Machines for burnishing soles or heels [1, 2006.01]
- 95/22 • Machines for burnishing the edges of soles, with or without devices for edge-indenting [1, 2006.01]
- 95/24 • Machines for buffing soles [1, 2006.01]
- 95/26 • Devices for applying wax [1, 2006.01]
- 95/28 • Machines for attaching protectors to soles or heels [1, 2006.01]
- 97/00 **Machines for making pulling-on pieces [1, 2006.01]**
- 98/00 **Machines for making laces** (of leather C14B; braidings in general D04C); **Applying fibre or celluloid to ends of laces** (making tags from metal sheet B21D; from wire B21F) [2006.01]
- 100/00 **Setting or removing eyelets, buttons, lacing-hooks, or elastic gussets in shoes [1, 2006.01]**
- 100/02 • Punching and eyelet-setting machines or tools (for garments in general A41H 37/02) [1, 2006.01]
- 100/04 • • inserting invisible eyelets [1, 2006.01]
- 100/06 • • inserting two eyelets simultaneously [1, 2006.01]
- 100/08 • Setting buttons on footwear (for garments A41H 37/00) [1, 2006.01]
- 100/10 • Machines or tools for setting lacing-hooks in shoes [1, 2006.01]
- 100/12 • Machines for inserting elastic gussets in shoes [1, 2006.01]
- 100/14 • Devices for removing buttons, lacing-hooks, or the like from shoes [1, 2006.01]
- Other mechanisms for shoemaking or repairing**
- 111/00 **Shoe machines with conveyors for jacked shoes [1, 2006.01]**
- 113/00 **Machines for making shoes with out-turned flanges of the uppers or for making moccasins [1, 2006.01]**
- 115/00 **Machines for skiving or removing heel lifts, heels, or soles, or for removing stitches, preparatory to repair [1, 2006.01]**

A43D

117/00 Racks for receiving or transporting shoes or shoe parts; Other conveying means [1, 2006.01]

119/00 Driving or controlling mechanisms of shoe machines; Frames for shoe machines [1, 2006.01]

999/00 Subject matter not provided for in other groups of this subclass [2006.01]