

A43 FOOTWEAR

A43B CHARACTERISTIC FEATURES OF FOOTWEAR; PARTS OF FOOTWEAR

Subclass Index

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

Characteristic features of footwear

1/00 Footwear characterised by the material (layered products B32B)

- 1/02 . Footwear made of animal or plant fibres or fabrics made therefrom
- 1/04 . . Braided, knotted, knitted, or crocheted footwear
- 1/06 . Footwear made of wood, cork, card-board, paper or like fibrous material (soles A43B 13/00; making of wooden shoes B27M 3/20)
- 1/08 . Footwear made of metal (soles A43B 13/10)
- 1/10 . Footwear made of rubber
- 1/12 . . of rubber waste
- 1/14 . Footwear made of gutta-percha, celluloid, or plastics

3/00 Footwear characterised by the shape or the use

- 3/02 . Top-boots; Leg-boots; Shoes with batswing tabs
- 3/04 . . with rubber or elastic insertions or gussets
- 3/06 . Shoes with flaps; Footwear with divided uppers
- 3/08 . . with rubber or elastic insertions or gussets
- 3/10 . Low shoes; Slippers (sandals A43B 3/12)
- 3/12 . Sandals; Strap guides thereon
- 3/14 . Moccasins, opanken, or like shoes
- 3/16 . Overshoes
- 3/18 . . Devices for holding overshoes in position
- 3/20 . . Heel-less overshoes
- 3/22 . . Protecting sheaths worn between shoe and overshoe
- 3/24 . Collapsible or convertible footwear
- 3/26 . Footwear adjustable as to length or size
- 3/28 . Footwear specially adapted for dolls
- 3/30 . Footwear specially adapted for babies or small children

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

- 5/02 . Football boots
- 5/04 . Ski boots; Similar boots
- 5/06 . Running boots
- 5/08 . Bathing shoes
- 5/10 . Tennis shoes
- 5/12 . Dancing shoes
- 5/14 . Shoes for cyclists
- 5/16 . Skating boots
- 5/18 . Attachable overshoes for sporting purposes

7/00 Footwear with health or hygienic arrangements

- 7/02 . Footwear with heating arrangements (footwarmers A61F 7/08; electric heating elements H05B)
- 7/04 . . Footwear with electric batteries, generators, or the like
- 7/06 . Ventilated footwear
- 7/08 . . Footwear with air-holes, with or without closures
- 7/10 . . . with closable air-slots near the waist

- 7/12 . Special watertight footwear (overshoes A43B 3/16)
- 7/14 . Footwear with foot-supporting parts
- 7/16 . . Footwear with elevated heel parts inside
- 7/18 . . Joint supports, e.g. instep supports
- 7/19 . . . engaging the ground directly
- 7/20 . . . Ankle-joint supports or holders
- 7/22 . . Footwear with fixed flat-foot insertions, metatarsal supports, ankle flaps, or the like (orthopaedic insertions A61F 5/14)
- 7/24 . . Insertions or cap supports preventing the foot canting to one side
- 7/26 . . Footwear with toe-spacers or toe-spreaders
- 7/28 . . Adapting the inner sole of the shoe to the sole of the foot
- 7/30 . . Protecting the ball-joint against pressure while standing
- 7/32 . Footwear with shock-absorbing means (resilient soles A43B 13/18)
- 7/34 . Footwear with protection against heat or cold
- 7/36 . with earthing or grounding means
- 7/38 . Elevating, i.e. height increasing, footwear (with elevated heel parts inside A43B 7/16; lengthening pieces for natural legs A61F 3/00; orthopaedic insertions for conventional shoes A61F 5/14) [2]

9/00 Footwear characterised by the assembling of the individual parts

- 9/02 . Footwear stitched or nailed through
- 9/04 . Welted footwear (welts A43B 15/00)
- 9/06 . . stitched or nailed through
- 9/08 . Turned footwear
- 9/10 . Footwear with out-turned uppers
- 9/12 . Stuck or cemented footwear
- 9/14 . Platform shoes
- 9/16 . Footwear with soles moulded on to uppers or welded on to uppers without adhesive
- 9/18 . . moulded [6]
- 9/20 . . welded

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

- 11/02 . with built-in shoe-horns

Parts of footwear

13/00 Soles (socks A43B 17/00); **Sole and heel units**

- 13/02 . characterised by the material
- 13/04 . . plastics, rubber or vulcanised fibre
- 13/08 . . wood
- 13/10 . . metal
- 13/12 . . Soles with several layers of different materials
- 13/14 . characterised by the constructive form
- 13/16 . . Pieced soles (with several layers of different material A43B 13/12)

A43B – A43C

- 13/18 . . . Resilient soles
- 13/20 Pneumatic soles
- 13/22 . . . Soles made slip-preventing or wear-resisting, e.g. by impregnation or spreading a wear-resisting layer
- 13/24 by use of insertions
- 13/26 projecting beyond the sole surface
- 13/28 . characterised by their attachment, also attachment of combined soles and heels (attachment of heels A43B 21/36; attachment of heel parts A43B 21/52)
- 13/30 . . . by screws
- 13/32 . . . by adhesives
- 13/34 . . . Soles also attached to the inner side of the heels
- 13/36 . . . Easily-exchangeable soles (of metal A43B 13/10; protecting-soles A43C 13/12)
- 13/37 . Sole and heel units
- 13/38 . Insoles
- 13/39 . . . with upset sewing ribs
- 13/40 . . . with cushions
- 13/41 . . . combined with heel stiffener, toe stiffener, or shank stiffener
- 13/42 . Filling materials located between the insole and outer sole; Stiffening materials
- 15/00 Welts for footwear**
- 17/00 Socks** (hosiery A41B 11/00; special medical insertions for shoes A61F 5/14)
- 17/02 . Wedge-like or resilient socks or sock parts
- 17/03 . . . pneumatic
- 17/04 . with metal insertions or coverings
- 17/06 . with metal springs
- 17/08 . Ventilated socks
- 17/10 . for sweaty feet; Waterproof socks
- 17/12 . Wooden socks
- 17/14 . made of sponge, rubber, or plastic materials
- 17/16 . with heel or toe caps
- 17/18 . Arrangements for attaching socks to the footwear
- 19/00 Shoe-shaped inserts; Inserts covering the instep**
- 21/00 Heels; Top-pieces**
- 21/02 . characterised by the material
- 21/03 . . . wood
- 21/04 . . . leather
- 21/06 . . . rubber
- 21/08 combined hard and soft rubber
- 21/10 Expansible top-pieces
- 21/12 Tread surfaces with suction cavities
- 21/14 Heels or top-pieces made of rubber waste
- 21/16 with non-rubber insertions in the tread surface
- 21/18 . . . combined rubber and leather
- 21/20 . . . plastics

- 21/22 . Heels or heel attachments specially designed to prevent splashing
- 21/24 . characterised by the constructive form
- 21/26 . . . Resilient heels
- 21/28 Pneumatic heels
- 21/30 . . . Heels with metal springs
- 21/32 . . . Resilient supports for the heel of the foot
- 21/34 . . . Hollow metal heels with interchangeable top-pieces
- 21/36 . characterised by their attachment; Securing devices for the attaching means (combined with soles A43B 13/28)
- 21/37 . . . by hook-shaped or bent attaching means
- 21/38 . . . by screws only
- 21/39 . . . by rib and groove
- 21/40 by dovetail
- 21/42 . . . Heels with replaceable or adjustable parts
- 21/433 rotatably mounted
- 21/437 with axially-adjustable rod-like top-pieces
- 21/44 . . . by claw-like means
- 21/45 with special tensioning means
- 21/46 . . . by bolts
- 21/47 . . . by resilient means
- 21/48 by press-buttons
- 21/50 . . . by bayonet catches or the like
- 21/51 . . . with keyhole-shaped opening and pin
- 21/52 . . . Interchangeable heel parts without special attachments
- 21/54 . . . by adhesion or the like
- 23/00 Uppers; Boot legs; Stiffeners; Other single parts of footwear**
- 23/02 . Uppers; Boot legs
- 23/04 . . . Uppers made of one piece; Uppers with inserted gussets
- 23/06 . . . Waterproof legs
- 23/07 . Linings therefor
- 23/08 . Heel stiffeners; Toe stiffeners (footwear with sock-absorbing means A43B 7/32)
- 23/10 . . . made of metal
- 23/14 . . . made of leather
- 23/16 . . . made of impregnated fabrics, plastics or the like
- 23/17 made of plastics
- 23/20 . Nails, pegs, pins, clamps, or tacks, for footwear
- 23/22 . Supports for the shank or arch of the uppers (for health or hygienic purposes A43B 7/14)
- 23/24 . Ornamental buckles; Other ornaments for shoes without fastening function
- 23/25 . . . Arrangement of ribbons on footwear
- 23/26 . Tongues for shoes
- 23/28 . Devices to put in shoes in order to prevent slipping at the heel or to prevent abrading the stockings
- 23/30 . Heel-protectors for car-drivers

A43C FASTENINGS OR ATTACHMENTS FOR FOOTWEAR; LACES IN GENERAL

Subclass Index

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

| | | | |
|-------|--|-------|--|
| 1/00 | Shoe lacing fastenings (garment fastening devices A41F) | 11/22 | . Fastening devices with elastic tightening parts between pairs of eyelets, e.g. clamps, springs, bands |
| 1/02 | . with elastic laces | 11/24 | . Ornamental buckles or other ornaments for shoes, with fastening function (buckles in general A44B 11/00) |
| 1/04 | . with rings or loops | | |
| 1/06 | . tightened by draw-strings | | |
| 3/00 | Hooks for laces (making from sheet metal B21D 53/46); Guards for hooks | 13/00 | Wear-resisting attachments |
| 3/02 | . Lacing-hooks with guide-rollers | 13/02 | . Metal plates for soles or heels |
| 3/04 | . Spring safety-hooks | 13/04 | . Cleats; Simple studs; Screws; Hob-nails |
| | | 13/06 | . Attachments for edges of soles, especially for ski boots |
| 5/00 | Eyelets (machines for setting eyelets A43D 100/00) | 13/08 | . . with rubber, plastics, leather, felt, or like parts |
| 7/00 | Holding-devices for laces | 13/10 | . . made from wire |
| 7/02 | . Flaps; Pockets | 13/12 | . Releasable protecting-soles of metal (soles of metal A43B 13/10) |
| 7/04 | . Hinged devices | 13/14 | . Special attachments for toe-caps; Protecting caps for toe-caps |
| 7/06 | . Elastic bands | | |
| 7/08 | . Clamps drawn tight by laces | 15/00 | Non-skid devices or attachments (apparatus for climbing poles, trees, or the like A63B 27/00) |
| 9/00 | Laces; Laces in general for garments made of textiles, leather, or plastics | 15/02 | . attached to the sole |
| 9/02 | . provided with tags, buttons, or decorative tufts | 15/04 | . attached to the heel |
| 9/04 | . Forming ends of laces of plastics, celluloid, rubber, or the like | 15/06 | . Ice-gripping devices or attachments, e.g. ice-spurs, ice-cleats, ice-creepers, crampons; Climbing devices or attachments, e.g. mountain climbing irons (A43C 15/09 takes precedence; ice-spurs for horseshoes A01L 7/08) [3] |
| 9/06 | . Releasable ends of laces | 15/08 | . . Reversible ice-spikes |
| 9/08 | . made of paper or wire | 15/09 | . Equipment associated with footwear for walking on inclines to compensate for angle of inclination [3] |
| 11/00 | Other fastenings specially adapted for shoes (dress fastenings in general A44B) | 15/10 | . Non-ski attachments made of wire, chain, or other meshed material |
| 11/02 | . Button fastenings | 15/12 | . Small releasable non-slip straps |
| 11/04 | . . Studs; Fastening same | 15/14 | . with outwardly-movable spikes |
| 11/06 | . Snap-button fastenings | 15/16 | . Studs for football or like boots |
| 11/08 | . Hook fastenings; Rotary hooks | 15/18 | . Serrated grips |
| 11/10 | . . Hooks with several tongues | 17/00 | Spurs |
| 11/12 | . Slide or glide fastenings | 17/02 | . Spurs; Means for fastening spurs |
| 11/14 | . Clamp fastenings; Clamp-buckle fastenings; Fastenings with toggle levers | 17/04 | . Releasable spur fastenings |
| 11/16 | . Fastenings secured by wire, bolts, or the like | 17/06 | . Collapsible spurs |
| 11/18 | . Fastenings of the lazy-tongs type | | |
| 11/20 | . Fastenings with tightening devices mounted on the tongue | 19/00 | Attachments for footwear, not provided for in other groups of this subclass [8] |

A43D MACHINES, TOOLS, EQUIPMENT OR METHODS FOR MANUFACTURING OR REPAIRING FOOTWEAR [6]

Note

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 STIFFENERS8/00 to 8/34, 8/38 to 8/54 | |
| PULLING-OVER OR LASTING..... | 9/00 to 23/00 |
| MAKING OR PREPARING PARTS OF SHOES BEFORE ASSEMBLING | |
| Soles | 8/36, 8/50, 8/52, 29/00, 35/00, 37/0043/00 |
| 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 |

A43D

OTHER OPERATIONS SUBSEQUENT TO LASTING

- On soles or heels.....27/00
- On welts..... 47/00, 57/00
- On inseams 51/00, 53/00, 55/00
- Other work..... 49/00, 59/00, 85/00

PERFORMING FINISHING OPERATIONS 63/00, 87/00 to 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 to 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

- 1/02 . 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)
- 1/04 . Last-measuring devices
- 1/06 . Measuring devices for the inside measure of shoes, for the height of heels, or for the arrangement of heels
- 1/08 . Measuring devices for shoe parts

3/00 Lasts

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

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

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

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

- 8/02 . Cutting-out (cutting in general B26D, B26F; of leather articles in general C14B 5/00) [3]
- 8/04 . . Stamping-out (A43D 8/10 takes precedence) [3]
- 8/06 . . . Dies therefor [3]
- 8/08 . . . Combined stamping-out and bonding, e.g. high frequency electric current being applied between cutting edge and work support [3]

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]

8/12 . . . Patterns or templates therefor [3]

8/14 Applying bindings to pattern edges [3]

8/16 . Ornamentation (by creasing A43D 8/44; of leather in general C14B 1/56) [3]

8/18 . . by punching or perforating (punching for eyelet-setting A43D 100/02) [3]

8/20 . . . Dies therefor [3]

8/22 . . by embossing or printing (printing in general, stamping B41) [3]

8/24 . . . Embossing using heat, e.g. high frequency electric current [3]

8/26 . Marking for future work (A43D 8/16 takes precedence; printing, stamping B41) [3]

8/28 . . Patterns for drawing cut-outs (in making clothes A41H 3/00) [3]

8/30 . . Charting sheet material for subsequent cutting [3]

8/32 . Working on edges or margins (of leather in general C14B 1/02, C14B 11/00) [3]

8/34 . . by skiving (A43D 8/48 takes precedence) [3]

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]

8/38 . . . by cutting-out, e.g. using templates [3]

8/40 . . by folding, turning in or over, hammering [3]

8/42 . . by singeing, contracting, dyeing [3]

8/44 . Creasing presses (folding on margins A43D 8/40) [3]

8/46 . Splitting (of leather in general C14B 1/02) [3]

8/48 . . combined with skiving [3]

8/50 . . Combined splitting and trimming of the heel-seat portions of sole blanks (of soles fixed to shoe bottoms A43D 27/04) [3]

8/52 . Flexing (of leather in general C14B) [3]

8/54 . . by milling [3]

8/56 . . of sole blanks by slitting [3]

Pulling-over or lasting

9/00 Devices for binding the uppers upon the lasts (for the toe ends A43D 15/00)

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

11/01 . Machines for applying or securing reinforcements or ornamental straps to uppers (to soles or insoles A43D 43/06) [3]

11/02 . . to the margins thereof [3]

- 11/03 . . Coating with thermoplastic materials to stiffen the toe or heel portion [3]
- 11/04 . Machines for seam-pressing or flattening shoe parts, quarters, or the like (on lasted shoes A43D 55/00)
- 11/06 . Machines for temporary buttoning of shoe parts
- 11/08 . Machines for temporary lacing of shoe parts or for cutting-away the lacing strips after lasting
- 11/10 . Devices for holding the lacing portions in position during lasting
- 11/12 . Machines for forming the toe part or heel part of shoes, with or without use of heat
- 11/14 . Devices for treating shoe parts, e.g. stiffeners, with steam or liquid (for soled shoes A43D 95/12)
- 13/00 Machines for pulling-over the uppers when loosely laid upon the last and tacking the toe end**
- 13/02 . Devices for locating caps or stiffeners on pulling-over machines
- 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)
- 17/00 Pulling-over or lasting machines with oscillating shoe supports**
- 19/00 Hand lasting; Lasting pincers**
- 19/02 . Tacking or nailing devices for use with lasting pincers
- 21/00 Lasting machines**
- 21/02 . with one single lasting gripper
- 21/04 . for lasting the opposite sides of the shoe one after another
- 21/06 . for wooden soles (A43D 21/16, A43D 21/18 take precedence)
- 21/08 . with last supports and toe- or heel-embracing wipers movable both horizontally and vertically (A43D 21/16 takes precedence)
- 21/10 . Bed-lasting machines
- 21/12 . with lasting clamps, shoe-shaped clamps, wipers, stretching straps, or the like for forming the toe or heel parts on the last
- 21/14 . for toe or heel parts, with nailing devices
- 21/16 . with lasting pincers or toe- or heel-embracing wipers
- 21/18 . with lasting pincers and straight-acting wipers, also for forming the shank portions of shoes
- 23/00 Single parts for pulling-over or lasting machines** (nailing devices A43D 75/00)
- 23/02 . Wipers; Sole-pressers; Last-supports; Pincers
- 23/04 . Last-carriers; Shoe-guides
- 23/06 . Devices for cutting-off superfluous material on the uppers or linings
- Making or fastening soles, heels, or welts, or preparing same for fastening to the shoe; Carrying out other operations subsequent to lasting; Turning** (sewing D05B)
- 25/00 Devices for gluing shoe parts**
- 25/047 . Devices for lasting with adhesives or for gluing together insoles and uppers (A43D 25/18, A43D 25/20 take precedence) [3]
- 25/053 . . with rotating gripping means [3]
- 25/06 . Devices for gluing soles on shoe bottoms (A43D 25/18, A43D 25/20 take precedence) [3]
- 25/07 . . using flexible diaphragm pressing devices [3]
- 25/08 . . Welt hold-down devices
- 25/10 . . Press-pads or other supports of shoe-gluing presses
- 25/12 . Devices for gluing heel-breasts to heels or for gluing coverings on heels (A43D 25/18, A43D 25/20 take precedence) [3]
- 25/14 . Devices for filling the shoe bottom
- 25/16 . Devices for making glued platform shoes
- 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]
- 25/20 . Arrangements for activating or for accelerating setting of adhesives, e.g. by using heat [3]
- 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)
- 27/02 . Soles or heels fixed on shoe bottoms
- 27/04 . . Heel-end portions of soles [3]
- 27/06 . . Heel breast flaps [3]
- 29/00 Machines for making soles from strips of material**
- 31/00 Machines for making or inserting shank stiffeners**
- 31/02 . Machines for making shank stiffeners
- 31/04 . Machines for inserting shank stiffeners
- 33/00 Machines for assembling lifts for heels** (cutting-out heel lifts A43D 8/02)
- 33/02 . Gauges for heel lifts; Magazines for piling up heel lifts
- 33/04 . Nailing machines for building the heels from lifts
- 33/06 . Machines for sorting heel lifts
- 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)
- 37/00 Machines for roughening soles or other shoe parts preparatory to gluing**
- 39/00 Machines for making foot-supporting pads or instep-raisers for flat feet**
- 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)
- 43/02 . for making stitch lips by cutting
- 43/06 . for applying reinforcing materials to insoles; Attachment of ornamental tapes or ribs, e.g. sewing ribs, on soles, or the like
- 44/00 Machines for attaching welts or rands**
- 47/00 Machines for trimming or butting welts fixed on uppers**
- 49/00 Machines for pounding**
- 51/00 Machines for lip-setting**
- 53/00 Machines for trimming-off surplus material along the inseam**
- 55/00 Machines for flattening, pressing, or rubbing the inseams of lasted shoes**
- 57/00 Machines for attaching the welt ends**
- 59/00 Machines for rasping the lasting-margins of shoes which are sewn through**

A43D

- 61/00** **Machines for nail-pulling, nail-cutting, or nail-detecting**
- 63/00** **Machines for carrying out other finishing operations**
- 67/00** **Machines for fastening soles or heels by means of screws or screwed wire**
- 69/00** **Shoe-nailing machines** (nailing machines in general B27F)
- 69/02 . using ready-made nails
- 69/04 . with apparatus for separating the nails from a wire or from a strip of metal or other material
- 69/06 . using ready-made staples
- 69/08 . with apparatus for making staples
- 69/10 . using ready-made wooden pegs
- 69/12 . with apparatus for separating the pegs from a strip of wood
- 69/14 . for nailing or stapling the lasted margin on to shoes with wooden soles
- 71/00** **Elements of nailing machines; Nail-feeding devices**
- 71/02 . Driving mechanisms for moving the horn; Nail-cutting apparatus connected with the horn
- 75/00** **Nailing devices on pulling-over or lasting machines**
- 79/00** **Combined heel-pressing and nailing machines**
- 81/00** **Machines for attaching top-lifts**
- 83/00** **Heel-presses without nailing apparatus; Machines for pressing single lifts or punching holes for nailing**
- 85/00** **Machines or apparatus for turning, e.g. for making turn-shoes**
- 86/00** **Machines for assembling soles or heels onto uppers, not provided for in groups A43D 25/00 to A43D 83/00, e.g. by welding [6]**
- 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)
- 95/10 . Drying or heating devices for shoes
- 95/12 . Devices for conditioning, tempering, or moistening (preparatory to pulling-over or lasting A43D 11/14)
- 95/14 . incorporating marking, printing, or embossing apparatus (ornamentation of shoe part blanks A43D 8/16; printing *per se*, stamping *per se* B41)
- 95/16 . Burnishing tools for shoemaking (in general B24D)
- 95/18 . . Devices for heating the burnishing tools for shoemaking
- 95/20 . Machines for burnishing soles or heels
- 95/22 . Machines for burnishing the edges of soles, with or without devices for edge-indenting
- 95/24 . Machines for buffing soles
- 95/26 . Devices for applying wax
- 95/28 . Machines for attaching protectors to soles or heels
- 97/00** **Machines for making pulling-on pieces**
- 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) [8]
- 100/00** **Setting or removing eyelets, buttons, lacing-hooks, or elastic gussets in shoes**
- 100/02 . Punching and eyelet-setting machines or tools (for garments in general A41H 37/02)
- 100/04 . . inserting invisible eyelets
- 100/06 . . inserting two eyelets simultaneously
- 100/08 . Setting buttons on footwear (for garments A41H 37/00)
- 100/10 . Machines or tools for setting lacing-hooks in shoes
- 100/12 . Machines for inserting elastic gussets in shoes
- 100/14 . Devices for removing buttons, lacing-hooks, or the like from shoes
- 111/00** **Shoe machines with conveyers for jacked shoes**
- 113/00** **Machines for making shoes with out-turned flanges of the uppers or for making moccasins**
- 115/00** **Machines for skiving or removing heel lifts, heels, or soles, or for removing stitches, preparatory to repair**
- 117/00** **Racks for receiving or transporting shoes or shoe parts; Other conveying means**
- 119/00** **Driving or controlling mechanisms of shoe machines; Frames for shoe machines**
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- 999/00** **Subject matter not provided for in other groups of this subclass [8]**
- 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)
- 89/00** **Sole-levelling machines with rolls**
- 91/00** **Stitch-separating or seam-indenting machines**
- 93/00** **Edge-indenting machines**
- 95/00** **Shoe-finishing machines**
- 95/02 . Machines for treating or smoothing shoe uppers to remove wrinkles, folds, or the like
- 95/04 . Machines for laying channel-flaps
- 95/06 . Machines for colouring or chemical treatment; Ornamenting the sole bottoms (burnishing A43D 95/20)