

## 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

- |                                                                                                                                     |                                                                                                                                                                                                            |                                              |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| <b>1/00 Footwear characterised by the material</b> (layered products B32B)                                                          | 5/18                                                                                                                                                                                                       | • Attachable overshoes for sporting purposes |
| 1/02 • Footwear made of animal or plant fibres or fabrics made therefrom                                                            | <b>7/00 Footwear with health or hygienic arrangements</b>                                                                                                                                                  |                                              |
| 1/04 • • Braided, knotted, knitted, or crocheted footwear                                                                           | 7/02 • Footwear with heating arrangements (footwarmers A61F 7/08; electric heating elements H05B)                                                                                                          |                                              |
| 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) | 7/04 • • Footwear with electric batteries, generators, or the like                                                                                                                                         |                                              |
| 1/08 • Footwear made of metal (soles A43B 13/10)                                                                                    | 7/06 • Ventilated footwear                                                                                                                                                                                 |                                              |
| 1/10 • Footwear made of rubber                                                                                                      | 7/08 • • Footwear with air-holes, with or without closures                                                                                                                                                 |                                              |
| 1/12 • • of rubber waste                                                                                                            | 7/10 • • • with closable air-slots near the waist                                                                                                                                                          |                                              |
| 1/14 • Footwear made of gutta-percha, celluloid, or plastics                                                                        | 7/12 • Special watertight footwear (overshoes A43B 3/16)                                                                                                                                                   |                                              |
| <b>3/00 Footwear characterised by the shape or the use</b>                                                                          | 7/14 • Footwear with foot-supporting parts                                                                                                                                                                 |                                              |
| 3/02 • Top-boots; Leg-boots; Shoes with batswing tabs                                                                               | 7/16 • • Footwear with elevated heel parts inside                                                                                                                                                          |                                              |
| 3/04 • • with rubber or elastic insertions or gussets                                                                               | 7/18 • • Joint supports, e.g. instep supports                                                                                                                                                              |                                              |
| 3/06 • Shoes with flaps; Footwear with divided uppers                                                                               | 7/19 • • • engaging the ground directly                                                                                                                                                                    |                                              |
| 3/08 • • with rubber or elastic insertions or gussets                                                                               | 7/20 • • • Ankle-joint supports or holders                                                                                                                                                                 |                                              |
| 3/10 • Low shoes; Slippers (sandals A43B 3/12)                                                                                      | 7/22 • • Footwear with fixed flat-foot insertions, metatarsal supports, ankle flaps, or the like (orthopaedic insertions A61F 5/14)                                                                        |                                              |
| 3/12 • Sandals; Strap guides thereon                                                                                                | 7/24 • • Insertions or cap supports preventing the foot canting to one side                                                                                                                                |                                              |
| 3/14 • Moccasins, opanken, or like shoes                                                                                            | 7/26 • • Footwear with toe-spacers or toe-spreaders                                                                                                                                                        |                                              |
| 3/16 • Overshoes                                                                                                                    | 7/28 • • Adapting the inner sole of the shoe to the sole of the foot                                                                                                                                       |                                              |
| 3/18 • • Devices for holding overshoes in position                                                                                  | 7/30 • • Protecting the ball-joint against pressure while standing                                                                                                                                         |                                              |
| 3/20 • • Heel-less overshoes                                                                                                        | 7/32 • Footwear with shock-absorbing means (resilient soles A43B 13/18)                                                                                                                                    |                                              |
| 3/22 • • Protecting sheaths worn between shoe and overshoe                                                                          | 7/34 • Footwear with protection against heat or cold                                                                                                                                                       |                                              |
| 3/24 • Collapsible or convertible footwear                                                                                          | 7/36 • with earthing or grounding means                                                                                                                                                                    |                                              |
| 3/26 • Footwear adjustable as to length or size                                                                                     | 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] |                                              |
| 3/28 • Footwear specially adapted for dolls                                                                                         |                                                                                                                                                                                                            |                                              |
| 3/30 • Footwear specially adapted for babies or small children                                                                      |                                                                                                                                                                                                            |                                              |
| <b>5/00 Footwear for sporting purposes</b> (non-skid devices, e.g. ice spurs, studs for football shoes, A43C 15/00)                 | <b>9/00 Footwear characterised by the assembling of the individual parts</b>                                                                                                                               |                                              |
| 5/02 • Football boots                                                                                                               | 9/02 • Footwear stitched or nailed through                                                                                                                                                                 |                                              |
| 5/04 • Ski boots; Similar boots                                                                                                     | 9/04 • Welted footwear (welts A43B 15/00)                                                                                                                                                                  |                                              |
| 5/06 • Running boots                                                                                                                | 9/06 • • stitched or nailed through                                                                                                                                                                        |                                              |
| 5/08 • Bathing shoes                                                                                                                | 9/08 • Turned footwear                                                                                                                                                                                     |                                              |
| 5/10 • Tennis shoes                                                                                                                 | 9/10 • Footwear with out-turned uppers                                                                                                                                                                     |                                              |
| 5/12 • Dancing shoes                                                                                                                | 9/12 • Stuck or cemented footwear                                                                                                                                                                          |                                              |
| 5/14 • Shoes for cyclists                                                                                                           | 9/14 • Platform shoes                                                                                                                                                                                      |                                              |
| 5/16 • Skating boots                                                                                                                |                                                                                                                                                                                                            |                                              |

## A43B

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

<b>1/00</b>	<b>Shoe lacing fastenings</b> (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		
<b>3/00</b>	<b>Hooks for laces</b> (making from sheet metal B21D 53/46); <b>Guards for hooks</b>	<b>13/00</b>	<b>Wear-resisting attachments</b>
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
<b>5/00</b>	<b>Eyelets</b> (machines for setting eyelets A43D 100/00)	13/08	• • with rubber, plastics, leather, felt, or like parts
		13/10	• • made from wire
<b>7/00</b>	<b>Holding-devices for laces</b>	13/12	• Releasable protecting-soles of metal (soles of metal A43B 13/10)
7/02	• Flaps; Pockets	13/14	• Special attachments for toe-caps; Protecting caps for toe-caps
7/04	• Hinged devices		
7/06	• Elastic bands		
7/08	• Clamps drawn tight by laces		
<b>9/00</b>	<b>Laces; Laces in general for garments made of textiles, leather, or plastics</b>	<b>15/00</b>	<b>Non-skid devices or attachments</b> (apparatus for climbing poles, trees, or the like A63B 27/00)
9/02	• provided with tags, buttons, or decorative tufts	15/02	• attached to the sole
9/04	• Forming ends of laces of plastics, celluloid, rubber, or the like	15/04	• attached to the heel
9/06	• Releasable ends of laces	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) [3]
9/08	• made of paper or wire	15/08	• • Reversible ice-spikes
<b>11/00</b>	<b>Other fastenings specially adapted for shoes</b> (dress fastenings in general A44B)	15/09	• Equipment associated with footwear for walking on inclines to compensate for angle of inclination [3]
11/02	• Button fastenings	15/10	• Non-ski attachments made of wire, chain, or other meshed material
11/04	• • Studs; Fastening same	15/12	• Small releasable non-slip straps
11/06	• Snap-button fastenings	15/14	• with outwardly-movable spikes
11/08	• Hook fastenings; Rotary hooks	15/16	• Studs for football or like boots
11/10	• • Hooks with several tongues	15/18	• Serrated grips
11/12	• Slide or glide fastenings		
11/14	• Clamp fastenings; Clamp-buckle fastenings; Fastenings with toggle levers	<b>17/00</b>	<b>Spurs</b>
11/16	• Fastenings secured by wire, bolts, or the like	17/02	• Spurs; Means for fastening spurs
11/18	• Fastenings of the lazy-tongs type	17/04	• Releasable spur fastenings
11/20	• Fastenings with tightening devices mounted on the tongue	17/06	• Collapsible spurs
		<b>19/00</b>	<b>Attachments for footwear, not provided for in other groups of this subclass [2006.01]</b>
<b>A43D</b>	<b>MACHINES, TOOLS, EQUIPMENT OR METHODS FOR MANUFACTURING OR REPAIRING FOOTWEAR</b> (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.

**A43D**

**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  
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   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, 87/00-95/00  
 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**

- 1/02 • 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-A43D 23/00; making or fastening soles, heels or welts A43D 25/00-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]
- 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

### **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

### **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**
- 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

## A43D

- 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**
  - 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-A43D 83/00, e.g. by welding [6]**
- 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)
    - 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) [2006.01]
  - 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

**Other mechanisms for shoemaking or repairing**

111/00 Shoe machines with conveyors 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 [2006.01]