

**71 Footwear and manufacture thereof****71a Footwear****71a (IPC: A43B) Footwear****71b Fastenings, laces and attachments for footwear****71b (IPC: A43C) Fastenings; Laces; Attachments; Spurs****71c Machines and tools for manufacture of footwear; machines for attaching loops, hooks and fasteners****71c (IPC: A43D) Machines; Tools; Equipment; Methods****71a Footwear****Footwear characterised by the material**

- 71a-1/01 Footwear made of fabrics from animal or plant fibres
- 71a-1/02 Braided, knotted, knitted, or crocheted footwear
- 71a-2/01 Footwear made of wood, cork, card-board or paper (71a-19/01; 71a-19/11)
- 71a-2/02 Footwear made of metal (71a-19/05)
- 71a-3/01 Footwear made of rubber
- 71a-3/02 Footwear made of rubber waste

**Footwear characterised by the shape or the use (71b-9)**

- 71a-4/01 Top-boots; Leg-boots; Shoes with batwing tabs
- 71a-4/02 Footwear with leg-boot-like uppers
- 71a-4/03 Top-boots or leg-boots with rubber inserts
- 71a-5 Footwear with elastic bands
- 71a-6/01 Shoes with flaps; Footwear with divided uppers
- 71a-6/02 Shoes with flaps, with rubber inserts
- 71a-7/01 Low shoes; Slippers; Sandals
- 71a-7/02 Low shoes with devices for avoiding heel slipping and wear of stockings
- 71a-7/03 Strap guides for sandals
- 71a-7/04 Moccasins, opanken, or like shoes
- 71a-8/01 Overshoes
- 71a-8/02 Devices for holding overshoes in position
- 71a-8/03 Heel-less overshoes
- 71a-8/04 Heal protectors for car drivers
- 71a-8/05 Protecting sheaths worn between shoe and overshoe
- 71a-9 Footwear for malting

**Footwear with health or hygienic arrangements**

- 71a-10 Footwear with heating arrangements (30d-25/02; electric heating 21h-2/03)
- 71a-11/01 Ventilated footwear in general
- 71a-11/02 Footwear with air-holes, with or without closures
- 71a-11/03 Footwear with closable air-slots near the waist
- 71a-12/01 Footwear with health or hygienic arrangements not covered by 71a-10 – 71a-11/03 (30f-4)
- 71a-12/02 Joint supports, e.g. instep supports
- 71a-12/03 Footwear with fixed flat-foot insertions, metatarsal supports, ankle flaps, etc. (30d-5/01 – 30d-5/04)
- 71a-12/04 Waterproof footwear (71a-14/02; 71a-17/06)
- 71a-12/05 Footwear with electric batteries

- 71a-12/06 Insertions or cap supports preventing the foot from canting to one side
- 71a-12/07 Joint supports engaging the ground directly
- 71a-12/08 Footwear with toe-spacers or toe-spreaders
- 71a-12/09 Ankle-joint supports or holders
- 71a-12/10 Adapting the inner sole of the shoe to the sole of the foot
- 71a-12/11 Protection for the joint when standing on ladders, digging, etc.

### **Footwear characterised by the assembling of the individual parts**

- 71a-13/01 Footwear stitched or nailed through
- 71a-13/02 Footwear stitched or nailed through, with welts
- 71a-14/01 Welteled footwear (71a-21)
- 71a-14/02 Waterproof welteled footwear (71a-12/04)
- 71a-15 Turned footwear
- 71a-16/01 Footwear characterised by the assembling of the individual parts, not covered by 71a-13/01 – 71a-15
- 71a-16/02 Footwear with out-turned uppers
- 71a-16/03 Glued or cemented footwear
- 71a-17/01 Miscellaneous footwear, not covered by 71a-1/01 – 71a-16/03
- 71a-17/02 Footwear with elevated heel parts inside
- 71a-17/03 Collapsible or convertible footwear
- 71a-17/04 Footwear adjustable as to length or size
- 71a-17/05 Footwear characterised by dimensional proportions
- 71a-17/06 Waterproof footwear (71a-12/04; 71a-14/02)
- 71a-17/07 Footwear with shock-absorbing means
- 71a-17/08 Footwear with protection against heat or cold
- 71a-17/09 Attachable overshoes for sporting purposes
- 71a-17/10 Football boots, with studs or the like
- 71a-17/11 Ski boots
- 71a-17/12 Running boots, spikes for running boots
- 71a-17/13 Bathing shoes
- 71a-17/14 Tennis shoes
- 71a-17/15 Dancing shoes
- 71a-17/16 Shoes for cyclists
- 71a-17/17 Skating boots

### **Soles and heels for footwear**

#### Attachment of soles and heels to footwear

- 71a-18/01 in general
- 71a-18/02 by screws
- 71a-18/03 Soles attached to the inner side of the heels
- 71a-18/04 Angle supports for heels
- 71a-19/01 Miscellaneous wear-resisting surfaces for soles, impregnation of soles, soles of vulcanised fibre, soles with stones, glass or the like on the wearing surface
- 71a-19/02 Rubber soles, rubber soles with inserts in the wearing surface, soles of leather or other material with rubber inserts, ribbed rubber soles with means for avoiding slipping, combined leather and rubber soles, rubber soles attached by means of welts or leather strips, rubber inserts attached to the wearing surface; soles of both soft and hard rubber; soles of waste rubber
- 71a-19/03 Easily-exchangeable soles except metal soles (71b-12/01)
- 71a-19/04 Metal-reinforced leather soles, etc.
- 71a-19/05 Metal soles (71b-12/01)
- 71a-19/06 Pieced soles
- 71a-19/07 Pneumatic soles

71a-19/08	Elastic bendable soles
71a-19/09	Resilient soles
71a-19/10	Soles of plastic material which hardens over time
71a-19/11	Miscellaneous wooden soles, jointed wooden soles, stiff wooden soles, soles with rounded wearing surface, slit soles, wooden ribs connected by threads, jointed soles made of wood with tongue and groove joints, insertable soles, wooden ribs attachable to soles of steel, leather, veneer, cardboard, soles of end-wood or special types of veneer of different types
71a-20/01	Insoles
71a-20/02	Insoles with cushions
71a-20/03	Filling materials located between the insole and outer sole; Stiffening materials
71a-21	Welts for footwear
71a-22/01	Socks
71a-22/02	Wedge-like, pneumatic or resilient sock parts
71a-22/03	Socks with metal insertions or coverings (electric heating 21h-2/03)
71a-22/04	Socks with metal springs
71a-22/05	Pneumatic socks
71a-22/06	Ventilated socks
71a-22/07	Socks for sweaty feet; Socks for therapeutic purposes, waterproof socks
71a-22/08	Wooden socks
71a-22/09	Shoe-shaped inserts; Inserts covering the instep, etc.
71a-22/10	Socks of sponge rubber or similar material
71a-22/11	Socks with recesses, holes or the like adapted to the shape of the foot
71a-22/12	Socks with heel or toe caps
71a-22/13	Arrangements for attaching socks to the footwear
71a-23	Leather heels
71a-24/01	Heels and top-pieces made of rubber
71a-24/02	Top-pieces made of elastic rubber
71a-24/03	Rubber tread surfaces with suction cavities
71a-24/04	Heels and top-pieces made of waste rubber
71a-24/05	Heels and top-pieces made of combined rubber and leather
71a-24/06	Heels and top-pieces made of combined hard and soft rubber
71a-24/07	Rubber heels and top-pieces with non-rubber insertions in the tread surface
71a-24/08	Heels or heel attachments specially designed to prevent splashing
71a-25/01	Heels made of miscellaneous materials
71a-25/02	Heels made of plastic masses
71a-26/01	Resilient and pneumatic heels
71a-26/02	Heels with metal springs
71a-26/03	Resilient supports for the heel of the foot
71a-27/01	Heels attached with screws, attachment with one, two or more screws, screws with means for avoiding unintended loosening, covering of holes with plugs or the like, rubber tread surfaces attached with screws, screws and tread surfaces of the same material, rotatable or reversible tread surfaces, attachment screws
71a-27/02	Replacement corners with one or more layers
71a-27/03	Insertable heels or tread surfaces with tongue-and-groove attachment or the like, securing with screws, resilient tongues, snap attachment, resilient studs, studs on the plate, bent lap-joints, stud and latch, etc.
71a-27/04	Interchangeable tread surfaces parts without special attachments, releasing by bending the tread surfaces
	Attachment of heel parts
71a-27/05	by means of plates equipped with claws, secured with screws, rivets, flat springs, wire springs, bayonet catches, resilient hooks, studs snapping into holes

71a-27/06	by means of studs
71a-27/07	insertable from below, secured with latches, wedges or hooks
71a-27/08	by means of press-buttons etc.
71a-27/09	by means of keyhole-shaped opening and pin
71a-27/10	by means of bayonet catches
71a-27/11	by means of supporting frames or plates
71a-27/12	by means of clamps
71a-27/13	by means of straps encircling the heel
71a-27/14	Interchangeable heel parts with common attachment
71a-27/15	Hollow metal heels with interchangeable tread surfaces
71a-28	Rotatable, i.e. convertible, heels

### **Uppers, boot legs, stiffeners and like parts of footwear**

71a-29/01	Uppers; Boot legs
71a-29/02	Uppers made of one piece; Uppers with inserted gussets
71a-29/03	Waterproof legs
71a-30/01	Heel stiffeners
71a-30/02	Heel stiffeners made of metal
71a-31/01	Toe stiffeners
71a-31/02	Stiffeners made of impregnated fabrics, plastics or the like
71a-31/03	Toe stiffeners made of metal
71a-32/01	Miscellaneous details of footwear, particularly straps or loops for putting-on footwear
71a-32/02	Footwear with in-built devices for putting-on
71a-33	Rivets, tacks pins and clamps for footwear

## **71a (IPC: A43B) Footwear**

### **Characteristic features of footwear**

#### **71a-1/00 Footwear characterised by the material**

71a-1/02	. Footwear made of animal or plant fibres or fabrics made therefrom
71a-1/04	. . Braided, knotted, knitted, or crocheted footwear
71a-1/06	. Footwear made of wood, cork, card-board, paper or like fibrous material
71a-1/08	. Footwear made of metal (soles 71a-13/10)
71a-1/10	. Footwear made of rubber (soles 71a-13/06)
71a-1/12	. . of rubber waste
71a-1/14	. Footwear made of gutta-percha, celluloid, or plastics

#### **71a-3/00 Footwear characterised by the shape or the use**

71a-3/02	. Top-boots; Leg-boots; Shoes with batwing tabs
71a-3/04	. . with rubber or elastic insertions or gussets
71a-3/06	. Shoes with flaps; Footwear with divided uppers
71a-3/08	. . with rubber or elastic insertions or gussets
71a-3/10	. Low shoes; Slippers; Sandals
71a-3/12	. . Strap guides for sandals
71a-3/14	. Moccasins, opanken, or like shoes
71a-3/16	. Overshoes
71a-3/18	. . Devices for holding overshoes in position
71a-3/20	. . Heel-less overshoes
71a-3/22	. . Protecting sheaths worn between shoe and overshoe
71a-3/24	. Collapsible or convertible footwear
71a-3/26	. Footwear adjustable as to length or size
71a-3/28	. Footwear specially adapted for dolls
71a-3/30	. Footwear specially adapted for babies or small children

#### **71a-5/00 Footwear for sporting purposes**

71a-5/02	. Football boots
71a-5/04	. Ski boots
71a-5/06	. Running boots

- 71a-5/08 . Bathing shoes
- 71a-5/10 . Tennis shoes
- 71a-5/12 . Dancing shoes
- 71a-5/14 . Shoes for cyclists
- 71a-5/16 . Skating boots
- 71a-5/18 . Attachable overshoes for sporting purposes

### **71a-7/00 Footwear with health or hygienic arrangements**

- 71a-7/02 . Footwear with heating arrangements (foot warmers 30d-25/02, electric heating elements 21h-2/03)
- 71a-7/04 . . Footwear with electric batteries, generators, or the like
- 71a-7/06 . Ventilated footwear
- 71a-7/08 . . Footwear with air-holes, with or without closures
- 71a-7/10 . . . with closable air-slots near the waist
- 71a-7/12 . Special watertight footwear (overshoes 71a-3/16)
- 71a-7/14 . Footwear with foot-supporting parts
- 71a-7/16 . . Footwear with elevated heel parts inside
- 71a-7/18 . . Joint supports, e.g. instep supports
- 71a-7/19 . . . engaging the ground directly
- 71a-7/20 . . . Ankle-joint supports or holders
- 71a-7/22 . . Footwear with fixed flat-foot insertions, metatarsal supports, ankle flaps, etc. (orthopaedic insertions 30d-5/01 – 30d-5/04)
- 71a-7/24 . . Insertions or cap supports preventing the foot canting to one side
- 71a-7/26 . . Footwear with toe-spacers or toe-spreaders
- 71a-7/28 . . Adapting the inner sole of the shoe to the sole of the foot
- 71a-7/30 . . Protecting the ball-joint against pressure while standing
- 71a-7/32 . Footwear with shock-absorbing means (resilient soles 71a-13/18)
- 71a-7/34 . Footwear with protection against heat or cold
- 71a-7/36 . with earthing means

### **71a-9/00 Footwear characterised by the assembling of the individual parts**

- 71a-9/02 . Footwear stitched or nailed through
- 71a-9/04 . Welted footwear (welts 71a-15/00)
- 71a-9/06 . . stitched or nailed through
- 71a-9/08 . Turned footwear
- 71a-9/10 . Footwear with out-turned uppers
- 71a-9/12 . Stuck or cemented footwear
- 71a-9/14 . Platform shoes
- 71a-9/16 . Footwear with soles moulded on to uppers or welded on to uppers without adhesive
- 71a-9/18 . . moulded by vulcanising
- 71a-9/20 . . welded

### **71a-10/00 Methods of manufacturing footwear** (characterised by use of distinct kind of machine or tool 71c; characterised by application to a type of footwear covered by one of the preceding groups, see the relevant group)

### **71a-11/00 Footwear with miscellaneous arrangements to facilitate putting-on or removing, e.g. with straps**

- 71a-11/02 . with built-in shoe-horns

### **Parts of footwear**

- 71a-13/00 Soles** (socks 71a-17/00)
- 71a-13/02 . characterised by the material
- 71a-13/04 . . plastics, rubber or vulcanised fibre
- 71a-13/06 . . rubber
- 71a-13/08 . . wood
- 71a-13/10 . . metal
- 71a-13/12 . . Soles with several layers of different materials
- 71a-13/14 . characterised by the constructive form
- 71a-13/16 . . Pieced soles
- 71a-13/18 . . Resilient soles

- 71a-13/20 . . . Pneumatic soles
- 71a-13/22 . . Soles made slip-preventing or wear-resisting, e.g. by impregnation or spreading a wear-resisting layer
- 71a-13/24 . . . by use of slip-preventing or wear-resisting insertions
- 71a-13/26 . . . equipped with metal parts, etc.
- 71a-13/28 . characterised by their attachment, also attachment of combined soles and heels (attachment of heels 71a-21/36, attachment of heel parts 71a-21/52)
- 71a-13/30 . . by screws
- 71a-13/32 . . by adhesives
- 71a-13/34 . . Soles also attached to the inner side of the heels
- 71a-13/36 . . Easily-exchangeable soles (of metal 71a-13/10, protecting-soles 71b-13/12)
- 71a-13/37 . Sole and heel units
- 71a-13/38 . Insoles
- 71a-13/39 . . with upset sewing ribs
- 71a-13/40 . . with cushions (adaption of the insole to the foot 71a-7/28)
- 71a-13/41 . . combined with heel stiffener, toe stiffener, or shank stiffener
- 71a-13/42 . Filling materials located between the insole and outer sole; Stiffening materials

## **71a-15/00 Welts for footwear**

### **71a-17/00 Socks**

- 71a-17/02 . Wedge-like or resilient socks or sock parts
- 71a-17/03 . . pneumatic
- 71a-17/04 . with metal insertions or coverings
- 71a-17/06 . with metal springs
- 71a-17/08 . Ventilated socks
- 71a-17/10 . for sweaty feet; Waterproof socks
- 71a-17/12 . Wooden socks
- 71a-17/14 . made of sponge, rubber, or plastic materials
- 71a-17/16 . with heel or toe caps
- 71a-17/18 . Arrangements for attaching socks to the footwear

### **71a-19/00 Shoe-shaped inserts; Inserts covering the instep**

#### **71a-21/00 Heels; Top-pieces**

- 71a-21/02 . characterised by the material
- 71a-21/03 . . wood
- 71a-21/04 . . leather
- 71a-21/06 . . rubber
- 71a-21/08 . . . combined hard and soft rubber
- 71a-21/10 . . . Expansible top-pieces
- 71a-21/12 . . . Tread surfaces with suction cavities
- 71a-21/14 . . . Heels or top-pieces made of rubber waste
- 71a-21/16 . . . with non-rubber insertions in the tread surface
- 71a-21/18 . . combined rubber and leather
- 71a-21/20 . . plastics
- 71a-21/22 . Heels or heel attachments specially designed to prevent splashing
- 71a-21/24 . characterised by the constructive form
- 71a-21/26 . . Resilient heels
- 71a-21/28 . . . Pneumatic heels
- 71a-21/30 . . Heels with metal springs
- 71a-21/32 . . Resilient supports for the heel of the foot
- 71a-21/34 . . Hollow metal heels with interchangeable top-pieces
- 71a-21/36 . characterised by their attachment; Securing devices for the attaching means (combined with soles 71a-13/28)
- 71a-21/37 . . by hook-shaped or bent attaching means
- 71a-21/38 . . by screws only
- 71a-21/39 . . by rib and groove
- 71a-21/40 . . by dovetail
- 71a-21/42 . . Heels with replaceable or adjustable parts
- 71a-21/433 . . . rotatably mounted
- 71a-21/437 . . . with axially-adjustable rod-like top-pieces

71a-21/44	. . by claw-like means
71a-21/45	. . . with special tensioning means
71a-21/46	. . by bolts
71a-21/47	. . by resilient means
71a-21/48	. . by press-buttons
71a-21/50	. . by bayonet catches or the like
71a-21/51	. . with keyhole-shaped opening and pin
71a-21/52	. . Interchangeable heel parts without special attachments
71a-21/54	. . by adhesion or the like
<b>71a-23/00</b>	<b>Uppers; Boot legs; Stiffeners; Other single parts of footwear</b>
71a-23/02	. Uppers; Boot legs
71a-23/04	. . Uppers made of one piece; Uppers with inserted gussets
71a-23/06	. . Waterproof legs
71a-23/07	. Linings therefor
71a-23/08	. Heel stiffeners
71a-23/08	. Heel stiffeners; Toe stiffeners
71a-23/10	. . made of metal
71a-23/12	. Toe stiffeners
71a-23/14	. . made of leather
71a-23/16	. . made of impregnated fabrics, plastics or the like
71a-23/17	. . . made of plastics
71a-23/18	. . made of metal (with shock-absorbing means 71a-7/32)
71a-23/20	. Nails, pegs, pins, clamps, or tacks, for footwear
71a-23/22	. Supports for the shank or arch of the uppers (for health or hygienic purposes 71a-7/14)
71a-23/24	. Ornamental buckles; Other ornaments for shoes without fastening function
71a-23/25	. . Arrangement of ribbons on footwear
71a-23/26	. Tongues for shoes
71a-23/28	. Devices to put in shoes in order to prevent slipping at the heel or to prevent abrading the stockings
71a-23/30	. Heel-protectors for car-drivers

## **71b Fastenings, laces and attachments for footwear**

### **Fastenings and laces (3c-1 – 3c-10)**

Laces for garments, e.g. corsets, gloves and footwear

71b-1/01	in general
71b-1/02	with elastic laces
71b-1/03	with rings or loops
71b-1/04	tightened by draw-strings
71b-2/01	Hooks for laces (making from sheet metal 7c-45/01; machines for fastening hooks 71c-60), Guards for hooks
71b-2/02	Lacing-hooks with guide-rollers
71b-2/03	Spring safety-hooks
71b-2/04	String loops
71b-3/01	Holding-devices for laces
71b-3/02	Flaps and pockets for laces
71b-3/03	Lace holders with clamps
71b-3/04	Lace holders with elastic bands
71b-3/05	Clamps secured by pulling the laces
71b-4/01	Laces for garments and shoes
71b-4/02	Laces provided with tags, buttons, or decorative tufts
71b-4/03	Forming ends of laces of plastics, celluloid, rubber, or the like
71b-4/04	Releasable ends of laces
71b-4/05	Laces made of paper or wire
71b-5/01	Button fastenings for footwear

71b-5/02	Snap-button fastenings for footwear (3c-2)
71b-5/03	Loop buttons and their attachment
71b-6/01	Hook fastenings
71b-6/02	Hooks with several tongues
71b-6/03	Ladder-type fasteners
71b-6/04	Rotary hooks
71b-6/05	Fastenings with toggle levers
71b-6/06	Articulated loop fastenings
71b-6/07	Slide fastenings (3c-3/20)
71b-6/08	Fastening devices with elastic tightening parts between pairs of eyelets, e.g. clamps, springs, bands
71b-6/09	Glide fastenings (3c-3/10)
71b-6/10	Zippers (construction of slide fasteners 3c-3/01)
71b-6/11	Insertable loose string
71b-7/01	Clamp fastenings; Clamp-buckle fastenings (44a-21 – 44a-33)
71b-7/02	Lengthwise rails at the opening and transverse upper fastener
71b-8/01	Miscellaneous fastenings not covered by 71b-1/01 – 71b-7/02 (71c-17/04 – 71c-17/05)
71b-8/02	Metal hooks connected to holes or loops
71b-8/03	Fastenings of the lazy-tong type
71b-8/04	Fastenings with rotatable levers
71b-8/05	Ornamental buckles or other ornaments for footwear
71b-8/06	Flaps for footwear, attachment devices therefor
71b-8/07	Straps
71b-9	Footwear specially adapted for particular fastenings (71a-4/01 – 71a-7/04; 71a-29/01 – 71a-29/03)

### **Attachments for footwear**

71b-10	Metal heel plates, also with protection for the joint
	<b>Attachments for heels and soles</b>
71b-11/01	Screws; Hob-nails
71b-11/02	Protective plates, e.g. for soles
71b-11/01	Attachments made of rubber, leather, felt, etc.
71b-11/05	Attachments made from wire
71b-12/01	Releasable protecting-soles of metal (71a-19/05)
71b-12/02	Special attachments for toe-caps; Protecting caps for toe-caps
71b-13/01	Non-skid devices attached to the sole (studs etc. for sporting footwear 71a-17/10, 71a-17/12, 71a-19/01)
71b-13/02	Non-skid devices attached to the heel, ice spurs, Mountain-climbing spikes or iron plates for boots (45i-1/06; 77a-13/08)
71b-13/03	Non-skid attachments made of wire, chain, or other meshed material
71b-13/01	Small releasable non-slip straps
71b-13/05	Adjustable non-skid devices attached to the heel
71b-13/06	Spikes of metal wire
71b-13/07	Non-skid devices with outwardly-movable spikes
	<b>Spurs</b>
71b-14/01	Spurs; Means for fastening spurs
71b-14/03	Releasable spur fastenings
71b-14/04	Collapsible spurs



**71b (IPC: A43C) Fastenings; Laces; Attachments; Spurs****Laces; Fastenings; Attachments therefor****71b-1/00 Shoe lacing fastenings (garment fastening devices 3c-1 – 3c-10, 3c-1/00)**

- 71b-1/02 . with elastic laces
- 71b-1/04 . with rings or loops
- 71b-1/06 . tightened by draw-strings

**71b-3/00 Hooks for laces (making from sheet metal 7c-45/01); Guards for hooks**

- 71b-3/02 . Lacing-hooks with guide-rollers
- 71b-3/04 . Spring safety-hooks (in general 44a-34, 44a1-13/00)

**71b-5/00 Eyelets (machines for setting eyelets 71c-101/00)****71b-7/00 Holding-devices for laces**

- 71b-7/02 . Flaps; Pockets
- 71b-7/04 . Hinged devices
- 71b-7/06 . Elastic bands
- 71b-7/08 . Clamps drawn tight by laces

**71b-9/00 Laces; Laces in general for garments made of textiles, leather, or plastics**

- 71b-9/02 . provided with tags, buttons, or decorative tufts
- 71b-9/04 . Forming ends of laces of plastics, celluloid, rubber, or the like
- 71b-9/06 . Releasable ends of laces
- 71b-9/08 . made of paper or wire

**71b-11/00 Other fastenings specially adapted for shoes (dress fastenings in general 3e, 44a)**

- 71b-11/02 . Button fastenings
- 71b-11/04 . . Studs; Fastening same
- 71b-11/06 . Snap-button fastenings (in general 3c-2, 44a-52, 44a1-17/00)
- 71b-11/08 . Hook fastenings; Rotary hooks
- 71b-11/10 . . Hooks with several tongues
- 71b-11/12 . Slide or glide fastenings (for garments 3c-3/10, 3c-3/20; in general 44a-53/10, 44a1-19/00)
- 71b-11/14 . Clamp fastenings; Clamp-buckle fastenings; Fastenings with toggle levers
- 71b-11/16 . Fastenings secured by wire, bolts, or the like
- 71b-11/18 . Fastenings of the lazy-tong type
- 71b-11/20 . Fastenings with tightening devices mounted on the tongue
- 71b-11/22 . Fastening devices with elastic tightening parts between pairs of eyelets, e.g. clamps, springs, bands
- 71b-11/24 . Ornamental buckles or other ornaments for shoes, with fastening function (buckles in general 44a-29 – 44a-32, 44a1-11/00)

**71b-13/00 Wear-resisting attachments**

- 71b-13/02 . Metal plates for soles or heels
- 71b-13/04 . Cleats; Simple studs; Screws; Hob-nails (nails in general 47a-4, 47a1)
- 71b-13/06 . Attachments for edges of soles, especially for ski boots
- 71b-13/08 . . with rubber, plastics, leather, felt, or like parts
- 71b-13/10 . . made from wire
- 71b-13/12 . Releasable protecting-soles of metal (soles of metal 71a-13/10)
- 71b-13/14 . Special attachments for toe-caps; Protecting caps for toe-caps

**71b-15/00 Non-skid devices**

- 71b-15/02 . attached to the sole
- 71b-15/04 . attached to the heel
- 71b-15/06 . Ice-spurs; Mountain-climbing spikes or iron plates for boots (ice-spurs for horseshoes 45i-7/08; climbing-irons 77a-29/06)
- 71b-15/08 . . Reversible ice-spikes
- 71b-15/10 . Non-skid attachments made of wire, chain, or other meshed material
- 71b-15/12 . Small releasable non-slip straps

- 71b-15/14 . with outwardly-movable spikes
- 71b-15/16 . Studs for football or like boots
- 71b-15/18 . Serrated grips

**71b-17/00 Spurs**

- 71b-17/02 . Spurs; Means for fastening spurs
- 71b-17/04 . Releasable spur fastenings
- 71b-17/06 . Collapsible spurs

**71c Machines and tools for manufacture of footwear; machines for attaching loops, hooks and fasteners****Measuring devices; Lasts; Tools**

- 71c-1/01 Foot-measuring devices
- 71c-1/02 Last-measuring devices
- 71c-1/03 Measuring devices for the inside measure of shoes, for the height of heels, or for the arrangement of heels
- 71c-2/01 Lasts for making or repairing shoes (making of wooden lasts 75a-14)
- 71c-2/10 Devices for removing lasts
- 71c-2/11 Devices for inserting lasts (71c-5 – 71c-1/01)
- 71c-3 Wedge locks for lasts
- 71c-4 Stretching or spreading lasts; Boot-trees; Fillers; Devices for maintaining the shape of the shoe (drying of footwear 34c-22)
- 71c-5 Devices for widening footwear in particular places
- 71c-6 Inflatable shoe blocks
- 71c-7 Stands for making footwear (for cleaning or polishing 34c-21)
- 71c-8/01 Knives for shoemakers (knives in general 69)
- 71c-8/05 Tools for cutting off the ends of nails or pegs in shoes
- 71c-9 Awls for shoemakers (manufacture 7e-2)
- 71c-10 Shoe-peg rasps
- 71c-11 Miscellaneous tools and appliances for manufacture of footwear, not covered by 71c-7 – 71c-9, 71c-19 – 71c-20/02, 71c-46, 71c-56/01 – 71c-56/02, 71c-62, e.g. for removal of threads, devices for storing materials or tools for shoemakers, etc.

**Machines for working uppers or stiffeners, skiving machines, stretching machines, creasing-presses** (manufacture of other details 71c-15/01 – 71c-15/15, 71c-31/01 – 71c-32/03, 71c-34/01 – 71c-34/05, 71c-49, 71c-59)

- 71c-12 Cutting-out or stamping machines for uppers
- 71c-13 Skiving machines for shoemaking (for leather in general 28b-23, 28b-24), splitting the heel end of the sole (splitting of soles at the thinnest place 28b-10); machines for trimming the heel end of soles (when fixed on the shoe bottom 71c-31)
- 71c-14/01 Stretching machines for forming upper blanks or leggings (pressing of leather 28b-4)
- 71c-14/02 Creasing-presses

**Working of uppers except 71c-60/01 – 71c-63** (machines for cutting-out 28b-11, sewing machines 52a, copying machines 75a-15)

- 71c-15/01 Machines for cutting-out the uppers
- 71c-15/02 Machines for ornamenting shoe parts by cutting out or embossing designs
- 71c-15/03 Patterns for cutting-out uppers
- 71c-15/04 Patterns for drawing or marking the cut-outs for uppers
- 71c-15/05 Cutting dies for upper parts
- 71c-15/06 Machines for marking shoe-parts, also the sewing lines or buttonholes on uppers
- 71c-15/10 Machines for folding, turning, or hammering the edges or margins of uppers (28b-28)
- 71c-15/15 Machines for singeing or polishing the margins or edges of uppers

**Machines for pulling-over or lasting**

- 71c-16 Devices for binding the uppers upon the lasts (for the toe ends 71c-19)

- 71c-17/01 Machines for assembling of upper-parts, counters, or insoles on the last
- 71c-17/02 Machines for turning an hammering the uppers
- 71c-17/03 Machines for burnishing the rear seam
- 71c-17/04 Machines for buttoning
- 71c-17/05 Machines for lacing
- 71c-17/06 Devices for holding the lacing portions in position during lasting
- 71c-17/07 Machines for forming the toe part or heel part of shoes with use of heat
- 71c-17/08 Devices for treating the toe parts with steam
- 71c-18/01 Machines for pulling-over the uppers when loosely laid upon the last and tacking the toe end
- 71c-18/02 Devices for measuring caps on pulling-over machines
- 71c-19 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 (special sewing machines for leather or shoes 52a-13, 52a-14)
- 71c-20/01 Hand lasting; Lasting pincers
- 71c-20/02 Tacking or nailing devices for use with lasting pincers
- 71c-21 Lasting devices using tacks with one single lasting gripper
- 71c-22/01 Pulling-over or lasting machines with tiltable last support
- 71c-22/02 Lasting machines for lasting the opposite sides of the shoe one after another
- 71c-22/03 Lasting machines for footwear with wooden soles, not covered by 71c-25 or 71c-26
- 71c-23 Lasting machines with last supports and toe- or heel-embracing wipers movable both horizontally and vertically, not covered by 71c-25
- 71c-24/01 Lasting machines with lasting clamps, shoe-shaped clamps, wipers, stretching straps, or the like for forming the toe or heel parts on the last, not covered by 71c-26
- 71c-24/10 Lasting machines for toe or heel parts, with nailing devices
- 71c-25 Lasting machines with lasting pincers or toe- or heel-embracing wipers
- 71c-26 Lasting machines with lasting pincers and straight-acting wipers
- 71c-27 Wipers, sole-pressers, last-supports and pincers for pulling-over or lasting machines
- 71c-28 Last-carriers and shoe-guides for pulling-over or lasting machines
- 71c-29 Miscellaneous details for lasting machines, not covered by 71c-27, 71c-28 or 71c-44, e.g. devices for cutting-off superfluous material on the uppers or linings
- Making or fastening soles, heels, or welts, or preparing these parts for fastening to the shoe, carrying out other operations subsequent to lasting, turning (sewing machines 52a)**
- 71c-30/01 Devices for applying adhesives to shoe parts (54d-6)
- 71c-30/02 Devices for gluing together insole and uppers and for gluing the sole
- 71c-30/03 Devices for gluing heel-breasts to heels or for gluing coverings on heels
- 71c-30/04 Devices for filling the shoe bottom (filling material 71a-20/01 – 71a-20/03)
- 71c-31/01 Machines for trimming soles or heels fixed on shoe bottoms (stamps or dies for soles or heel-lifts)
- 71c-31/02 Machines for trimming heel-end portions of soles fixed on shoe bottoms (71c-13)
- 71c-31/03 Machines for trimming heel breast flaps
- 71c-31/10 Machines for making soles from strips of material
- 71c-31/11 Machines for making foot-supporting pads or instep-raisers
- 71c-32/01 Machines for stamping-out and assembling lifts for heels (28b-11)
- 71c-32/02 Gauges for heel lifts; Magazines for piling up heel lifts
- 71c-32/03 Devices for removing heel lifts from a pile
- 71c-33/01 Presses provided with moulds for shaping loose soles, shoe bottoms, or soles fixed on the shoe bottom (71c-39)
- 71c-33/06 Machines for roughening soles or other shoe parts preparatory to gluing
- 71c-33/07 Machines for making foot-supporting pads or instep-raisers for flat feet
- 71c-33/08 Machines for placing springs in the instep

- 71c-34/01 Machines for making stitch lips, or other preparatory treatment of soles before fixing same
- 71c-34/05 Machines for making soles flexible (for leather in general 28b-13), for applying reinforcing material to insoles, for weakening by slitting, for making holes for stitching (rolling of leather 28b-12)
- 71c-35/01 Machines for setting up welts
- 71c-35/02 Machines for trimming or butting welts fixed on uppers
- 71c-35/04 Machines for pounding the uppers
- 71c-35/05 Machines for lip-setting
- 71c-35/10 Machines for trimming surplus material along the inseam
- 71c-35/11 Machines for flattening, pressing, or rubbing the inseams
- 71c-35/15 Machines for carrying out other finishing operations
- 71c-35/16 Machines for attaching the welt ends
- 71c-35/17 Machines for rasping the lasting margins during Mac Kay work
- 71c-35/20 Machines for pulling out nails

**Machines for fastening welts and soles on footwear** (sewing machines 52a-13 – 52a-15)

- 71c-36/01 Machines for fastening welts and soles using means not covered by 71c-37 – 71c-42 (71a-18/01 – 71a-18/04; by sewing 52a-13, 52a-14)
- 71c-36/02 Devices for vulcanising soles or heels on to uppers of footwear of leather or other material (making of rubber footwear 39a-10/17)
- 71c-37 Machines for fastening soles or heels by means of screws or screwed wire
- 71c-38/01 Shoe-nailing machines using ready-made nails
- 71c-38/02 Shoe-nailing machines using ready-made staples
- 71c-38/04 Tongs for stapling
- 71c-38/05 Nailing or stapling the lasted margin on to shoes with wooden soles (71c-22/03)
- 71c-39/01 Shoe-nailing machines with apparatus for separating the nails from a wire or from a strip of metal or other material
- 71c-39/05 Shoe-nailing machines with apparatus for making staples
- 71c-40 Shoe-nailing machines using ready-made wooden pegs (71c-46)
- 71c-41 Shoe-nailing machines with apparatus for separating the pegs from a strip of wood (71c-45; 71c-46)
- 71c-42 Shoe-nailing machines using pegs or nails of miscellaneous materials
- 71c-43 Details of shoe-nailing machines, e.g. nail-feeding devices
- 71c-44 Shoe-nailing machines on pulling-over or lasting machines
- 71c-45 Miscellaneous details of shoe-nailing machines, e.g. driving mechanisms for moving the horn, nail-cutting apparatus connected with the horn
- 71c-46 Hand nailing not covered by 71c-20/01 – 71c-20/02 (nailing in general 87a-18)

**Turning machines for footwear and machines for fastening soles to footwear**

- 71c-47 Machines or apparatus for making turn-shoes, not covered by 71c-17/01 – 71c-17/08, e.g. turning machines
- 71c-48/01 Heel-pressing and nailing machines
- 71c-48/05 Nailing machines for building heels from lifts (stamping-out or assembling 71c-32/01 – 71c-32/03)
- 71c-48/10 Machines for nailing top-lifts
- 71c-49 Heel-presses without nailing apparatus; Machines for pressing single lifts or punching holes for nailing

**Performing finishing operations upon uppers, soles, or heels on soled shoes**

- 71c-50 Edge or heel cutters; Machines for trimming the heel breast (trimming machines for wooden heels 38k-5, copying machines for wooden soles 75a-15)

- 71c-51 Sole-levelling machines with burnishing rolls
- 71c-52 Stitch-separating or seam-indenting machines
- 71c-53 Edge-indenting machines
- 71c-54/01 Machines for putting in shoe blocks (71c-2/11)
- 71c-54/02 Machines for laying channel-flaps, for ornamenting sole bottoms, for colouring or chemical treatment of sole bottoms (71c-57/01 – 71c-57/07)
- 71c-54/03 Machines or tools for scouring, abrading, or finishing (cleaning of worn footwear 34c-19, 34c-20, 34c-24), suction cleaners for shoe finishing machines (34c-5/05)
- 71c-54/04 Devices for drying (34c-22) or humidifying shoes, devices for printing or embossing (marking by burning 75a-1)
- 71c-55 Machines for attaching protectors to soles or heels (details 71c-13, 71c-45); nailing of heel irons
- 71c-56/01 Burnishing tools for shoemaking (in general 67c-2)
- 71c-56/02 Devices for heating burnishing tools and burning tools for shoemaking
- 71c-57/01 Machines for burnishing soles or heels
- 71c-57/05 Machines for burnishing the edges of soles, also with devices for edge-indenting
- 71c-57/06 Machines for buffing soles
- 71c-57/07 Devices for applying wax (cleaning of footwear 34c-24)

#### **Machines for making accessories for shoes**

- 71c-58 Machines for making pulling-on pieces
- 71c-59 Machines for making laces (of leather 28b-20; braiding in general 25b-21), e.g. for stiffening the lace ends with celluloid etc. (with sheet metal 7c-46, with metal wire 7d-13)

#### **Machines for setting eyelets, buttons, lacing-hooks, or elastic gussets in shoes**

- 71c-60/01 Punching and eyelet-setting machines or tools, also for general use (3c-11/01)
- 71c-60/02 Inserting invisible eyelets
- 71c-60/03 Machines for inserting two eyelets simultaneously, in each of two superimposed material layers
- 71c-61/01 Setting buttons in general (3c-11/01)
- 71c-61/10 Devices for removing buttons from shoes
- 71c-62 Machines or tools for setting lacing-hooks in shoes (3c-11/01)
- 71c-63 Machines for inserting elastic gussets in shoes

#### **Miscellaneous devices for shoe-making, not covered by 71c-1 – 71c-63**

- 71c-64/01 Devices for automatic conveying of shoes in lasting machines, pinning machines, shoe sewing machines etc.
- 71c-64/02 Machines for making shoes with out-turned flanges of the uppers
- 71c-64/03 Machines for sorting heel lifts according to their thickness, machines for removing asymmetrically worn heels

### **71c (IPC: A43D) Machines; Tools; Equipment; Methods**

#### **71c-1/00 Foot or last measuring devices; Measuring devices for shoe parts**

- 71c-1/02 . Foot-measuring devices (measuring specific parts of the human body in general 30a-4/06)
- 71c-1/04 . Last-measuring devices
- 71c-1/06 . Measuring devices for the inside measure of shoes, for the height of heels, or for the arrangement of heels
- 71c-1/08 . Measuring devices for shoe parts

#### **71c-3/00 Lasts**

- 71c-3/02 . Lasts for making or repairing shoes (making of wooden lasts 75a-14, 38k-5)
- 71c-3/04 . Pneumatic lasts; Elastic lasts
- 71c-3/06 . Wedge locks for lasts
- 71c-3/08 . Devices for stretching special parts of shoes

71c-3/10	. Devices for removing lasts
71c-3/12	. Devices for inserting or reinserting lasts
71c-3/14	. Stretching or spreading lasts; Boot-trees; Fillers; Devices for maintaining the shape of the shoe (drying of footwear 34c-22/01, 34c-23/20)
<b>71c-5/00</b>	<b>Appliances or tools for making or repairing shoes, other than those covered by 71c-15/00, 71c-19/00, 71c-73/00, 71c-95/16, 71c-95/18, 71c-105/00, 71c-117/00</b>
71c-5/02	. Stands for making footwear (stands for cleaning shoes 34c-21/01, 34c-21/02, 34c-23/16)
71c-5/04	. Knives (knives in general 69)
71c-5/06	. Tools for cutting off the ends of nails or pegs in shoes
71c-5/08	. Awls (making 7e-2)
71c-5/10	. Shoe-peg rasps
71c-5/12	. Hand nailing apparatus for shoemaking (71c-19/02 takes precedence; nailing apparatus in general 87a-18)
71c-5/14	. Hand pincers for stapling

### **Machines for working uppers or stiffeners**

<b>71c-7/00</b>	<b>Cutting-out or stamping machines for shoe parts (for leather in general 28b-11)</b>
71c-7/02	. of shoe stiffeners
71c-7/04	. Machines for cutting-out the uppers or blanks
71c-7/06	. Machines for ornamenting shoe parts by cutting out or embossing designs
71c-7/08	. Patterns for cutting-out uppers
71c-7/10	. Patterns for drawing or marking the cut-outs for uppers (for textiles 3d)
71c-7/12	. Cutting dies for upper parts (for textiles 3d-5, 3d-7/08)
71c-7/14	. Skiving machines for shoemaking; Machines for splitting or trimming the heel end of soles (when fixed on the shoe bottom 71c-27/02)
71c-7/16	. Stretching machines for forming upper blanks or leggings (stretching of leather generally 28b-4)
71c-7/18	. Creasing-presses (folding of uppers 71c-7/22)
71c-7/20	. Machines for marking shoe-parts, also the sewing lines or buttonholes on uppers (marking finished shoes 71c-95/14)
71c-7/22	. Machines for folding, turning, or hammering the edges or margins of uppers
71c-7/24	. Machines for singeing, contracting, dyeing, or otherwise treating the margins or edges of uppers

### **Pulling-over or lasting**

<b>71c-9/00</b>	<b>Devices for binding the uppers upon the lasts (for the toe ends 71c-15/00)</b>
<b>71c-11/00</b>	<b>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</b>
71c-11/02	. Machines for applying reinforcements or ornamental straps to the margins of uppers
71c-11/04	. Machines for seam-pressing or flattening shoe parts, quarters, etc. (on lasted shoes 71c-55/00)
71c-11/06	. Machines for temporary buttoning of shoe parts
71c-11/08	. Machines for temporary lacing of shoe parts or for cutting-away the lacing strips after lasting
71c-11/10	. Devices for holding the lacing portions in position during lasting
71c-11/12	. Machines for forming the toe part or heel part of shoes, with or without use of heat
71c-11/14	. Devices for treating shoe parts, e.g. stiffeners, with steam or liquid (for soled shoes 71c-95/12)
<b>71c-13/00</b>	<b>Machines for pulling-over the uppers when loosely laid upon the last and tacking the toe end</b>
71c-13/02	. Devices for locating caps or stiffeners on pulling-over machines
<b>71c-15/00</b>	<b>Pulling-over or lasting machines for binding the toe end with cord, string, or wire; Machines for lasting with clamps; Lasting machines with</b>

**sewing devices, also for platform shoes** (special sewing machines for leather or shoes 52a-13 – 52a-15)

**71c-17/00 Pulling-over or lasting machines with oscillating shoe supports**

**71c-19/00 Hand lasting; Lasting pincers** (hand pincers for clamping 71c-73/02)

71c-19/02 . Tacking or nailing devices for use with lasting pincers

**71c-21/00 Lasting machines**

71c-21/02 . with one single lasting gripper

71c-21/04 . for lasting the opposite sides of the shoe one after another

71c-21/06 . for wooden soles (71c-21/16, 71c-21/18 take precedence)

71c-21/08 . with last supports and toe- or heel-embracing wipers movable both horizontally and vertically (71c-21/16 takes precedence)

71c-21/10 . Bed-lasting machines

71c-21/12 . with lasting clamps, shoe-shaped clamps, wipers, stretching straps, or the like for forming the toe or heel parts on the last

71c-21/14 . for toe or heel parts, with nailing devices

71c-21/16 . with lasting pincers or toe- or heel-embracing wipers

71c-21/18 . with lasting pincers and straight-acting wipers, also for forming the shank portions of shoes

**71c-23/00 Single parts for pulling-over or lasting machines**

71c-23/02 . Wipers; Sole-pressers; Last-supports; Pincers

71c-23/04 . Last-carriers; Shoe-guides

71c-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 machines 52a)

**71c-25/00 Devices for gluing shoe parts**

71c-25/02 . Devices for applying adhesives to shoe parts (applying adhesives to paper 54d-6);  
Devices for lasting with adhesives or for gluing together insoles and uppers

71c-25/04 . . Arrangements for activating or for accelerating setting of adhesives, e.g. by using heat

71c-25/06 . Devices for gluing soles on shoe bottoms

71c-25/08 . . Welt hold-down devices

71c-25/10 . . Press-pads or other supports of shoe-gluing presses

71c-25/12 . Devices for gluing heel-breasts to heels or for gluing coverings on heels

71c-25/14 . Devices for filling the shoe bottom

71c-25/16 . Devices for making glued platform shoes

**71c-27/00 Machines for trimming**

71c-27/02 . soles or heels fixed on shoe bottoms (stamps or dies for soles or heel-lifts 28b-11)

71c-27/04 . heel-end portions of soles fixed on shoe bottoms (on loose soles 71c-7/14)

71c-27/06 . heel breast flaps

**71c-29/00 Machines for making soles from strips of material**

**71c-31/00 Machines for making shank stiffeners**

**71c-31/00 Machines for making or inserting shank stiffeners**

71c-31/02 . Machines for making shank stiffeners

71c-31/04 . Machines for inserting shank stiffeners

**71c-33/00 Machines for stamping-out or assembling lifts for heels**

71c-33/02 . Gauges for heel lifts; Magazines for piling up heel lifts

71c-33/04 . Nailing machines for building the heels from lifts (stamping-out or assembling 71c-33/00)

71c-33/06 . Machines for sorting heel lifts

**71c-35/00 Presses provided with moulds for shaping loose soles, shoe bottoms, or soles fixed on the shoe bottom** (gluing soles on the shoe bottom 71c-25/06)

<b>71c-37/00</b>	<b>Machines for roughening soles or other shoe parts preparatory to gluing</b>
<b>71c-39/00</b>	<b>Machines for making foot-supporting pads or instep-raisers for flat feet</b>
<b>71c-41/00</b>	<b>Machines for inserting shank stiffeners</b>
<b>71c-43/00</b>	<b>Machines for making stitch lips, or other preparatory treatment of soles or insoles before fixing same</b>
71c-43/02	. for making stitch lips by cutting
71c-43/04	. for sole flexing, e.g. by slitting, by stretching (flexing or treatment of leather in general 28b-12, 28b-13)
71c-43/06	. for applying reinforcing materials to insoles; Attachment of ornamental tapes or ribs, e.g. sewing ribs, on soles, etc.
<b>71c-44/00</b>	<b>Machines for attaching welts or soles</b>
<b>71c-45/00</b>	<b>Machines for attaching welts</b>
<b>71c-47/00</b>	<b>Machines for trimming or butting welts fixed on uppers</b>
<b>71c-49/00</b>	<b>Machines for pounding</b>
<b>71c-51/00</b>	<b>Machines for lip-setting</b>
<b>71c-53/00</b>	<b>Machines for trimming-off surplus material along the inseam</b>
<b>71c-55/00</b>	<b>Machines for flattening, pressing, or rubbing the inseams of lasted shoes</b>
<b>71c-57/00</b>	<b>Machines for attaching the welt ends</b>
<b>71c-59/00</b>	<b>Machines for rasping the lasting-margins of shoes which are sewn through</b>
<b>71c-61/00</b>	<b>Machines for nail-pulling, nail-cutting, or nail-detecting</b> (detecting nails in textiles 8f-3/50)
<b>71c-63/00</b>	<b>Machines for carrying out other finishing operations</b>
<b>71c-65/00</b>	<b>Machines for moulding soles or heels on to uppers of leather or textile, or welding same without adhesive</b> (making of rubber footwear 39a-10/17, 39a6-5/12, 39a6-7/08); <b>Moulds or forms therefor</b>
71c-65/02	. Moulds or forms
<b>71c-67/00</b>	<b>Machines for fastening soles or heels by means of screws or screwed wire</b> (screwdrivers in general 87a-19)
<b>71c-69/00</b>	<b>Shoe-nailing machines</b> (nailing machines in general 87a-18)
71c-69/02	. using ready-made nails
71c-69/04	. with apparatus for separating the nails from a wire or from a strip of metal or other material
71c-69/06	. using ready-made staples
71c-69/08	. with apparatus for making staples
71c-69/10	. using ready-made wooden pegs (devices for hand nailing 71c-73/00)
71c-69/10	. using ready-made wooden pegs
71c-69/12	. with apparatus for separating the pegs from a strip of wood
71c-69/14	. for nailing or stapling the lasted margin on to shoes with wooden soles
<b>71c-71/00</b>	<b>Elements of nailing machines; Nail-feeding devices</b>
71c-71/02	. Driving mechanisms for moving the horn; Nail-cutting apparatus connected with the horn
<b>71c-73/00</b>	<b>Devices for hand nailing of footwear</b> (in connection with lasting pincers 71c-19/02, nailing in general 87a-18)
71c-73/02	. Pincers for clamping
<b>71c-75/00</b>	<b>Nailing devices on pulling-over or lasting machines</b>



<b>71c-77/00</b>	<b>Miscellaneous machines for fastening soles or welts</b>
<b>71c-79/00</b>	<b>Combined heel-pressing and nailing machines</b>
<b>71c-81/00</b>	<b>Machines for attaching top-lifts</b>
<b>71c-83/00</b>	<b>Heel-presses without nailing apparatus; Machines for pressing single lifts or punching holes for nailing</b> (fastening soles or heels by means of screws 71c-67/00)
<b>71c-85/00</b>	<b>Machines or apparatus for turning, e.g. for making turn-shoes</b>
<b><u>Performing finishing operations upon uppers, soles, or heels on soled shoes; Making shoe appurtenances</u></b>	
<b>71c-87/00</b>	<b>Edge or heel cutters; Machines for trimming the heel breast</b> (trimming machines for wooden heels 38k-5; copying machines 75a-15)
<b>71c-89/00</b>	<b>Sole-levelling machines with rolls</b>
<b>71c-91/00</b>	<b>Stitch-separating or seam-indenting machines</b>
<b>71c-93/00</b>	<b>Edge-indenting machines</b>
<b>71c-95/00</b>	<b>Shoe-finishing machines</b>
71c-95/02	. Machines for treating or smoothing shoe uppers to remove wrinkles, folds, or the like, insertion of shoe blocks
71c-95/04	. Machines for laying channel-flaps
71c-95/06	. Machines for colouring or chemical treatment; Ornamenting the sole bottoms (burnishing 71c-95/20)
71c-95/08	. Machines or tools for scouring, abrading, or finishing, with or without dust-separating (cleaning of worn footwear 34c-19, 34c-20, 34c-24, 34c-23/00; suction cleaners for removing dust 34c-5/20 – 34c-5/80, 34c-5/00)
71c-95/10	. Drying or heating devices for shoes
71c-95/12	. Devices for conditioning, tempering, or moistening (for shoe parts 71c-11/14)
71c-95/14	. Devices for marking, printing, or embossing (for shoe parts 71c-7/20)
71c-95/16	. Burnishing tools for shoemaking (in general 67c-2)
71c-95/18	. . Devices for heating burnishing tools for shoemaking
71c-95/20	. Machines for burnishing soles or heels
71c-95/22	. Machines for burnishing the edges of soles, with or without devices for edge-indenting
71c-95/24	. Machines for buffing soles
71c-95/26	. Devices for applying wax
71c-95/28	. Machines for attaching protectors to soles or heels
<b>71c-97/00</b>	<b>Machines for making pulling-on pieces</b>
<b>71c-99/00</b>	<b>Machines for making laces</b> (of leather 28b-20, braidings in general 25b-21); <b>Applying fibre or celluloid to ends of laces</b> (reinforcements from sheet metal 7e-46, from metal wire 7d-13)
<b><u>Setting or removing eyelets, buttons, lacing-hooks, or elastic gussets in shoes</u></b>	
<b>71c-100/00</b>	<b>Setting or removing eyelets, buttons, lacing-hooks, or elastic gussets in shoes</b>
71c-100/02	. Punching and eyelet-setting machines or tools (for garments in general 3c-11/01, 3d-37/02)
71c-100/04	. . inserting invisible eyelets
71c-100/06	. . inserting two eyelets simultaneously
71c-100/08	. Setting buttons on footwear (on garments 3c-11/01, 3d-37/00)
71c-100/10	. Machines or tools for setting lacing-hooks in shoes
71c-100/12	. Machines for inserting elastic gussets in shoes
71c-100/14	. Devices for removing buttons, lacing-hooks, or the like from shoes

<b>71c-101/00</b>	<b>Machines for punching of holes and setting eyelets, buttons, lacing-hooks, or elastic gussets in shoes</b> (for garments in general 3c-11/01)
71c-101/02	. inserting invisible eyelets
71c-101/04	. inserting two eyelets simultaneously
<b>71c-103/00</b>	<b>Setting buttons on footwear</b> (on garments 3c-11/01, 3d-37/00)
<b>71c-105/00</b>	<b>Machines or tools for setting lacing-hooks in shoes</b>
<b>71c-107/00</b>	<b>Machines for inserting elastic gussets in shoes</b>
<b>71c-109/00</b>	<b>Devices for removing buttons, lacing-hooks, or the like from shoes</b>

**Miscellaneous devices for shoe-making**

<b>71c-111/00</b>	<b>Shoe machines with conveyors for shoes</b>
<b>71c-113/00</b>	<b>Machines for making shoes with out-turned flanges of the uppers or for making moccasins</b>
<b>71c-115/00</b>	<b>Machines for skiving heel-lifts or soles or for removing stitches preparatory to repair</b>
<b>71c-117/00</b>	<b>Racks for receiving or transporting shoes or shoe parts; Other conveying means (transporting in general 81e)</b>
<b>71c-119/00</b>	<b>Driving or controlling mechanisms of shoe machines; Frames for shoe machines</b> (frames or beds of machines in general 47a-16/01)