

**CPC****COOPERATIVE PATENT CLASSIFICATION****A43C****FASTENINGS OR ATTACHMENTS OF FOOTWEAR; LACES IN GENERAL****A43C 1/00****Shoe lacing fastenings** ([garment fastening devices A41F](#))

## A43C 1/003

- . { Zone lacing, i.e. whereby different zones of the footwear have different lacing tightening degrees, using one or a plurality of laces ([laces combined with another system A43C 11/008](#); [zone tightening using straps A43C 11/14](#)) }

## A43C 1/006

- . { Rear lacing, i.e. with a lace placed on the back of the foot in place of, or in addition to the traditional front lace }

## A43C 1/02

- . with elastic laces

## A43C 1/04

- . with rings or loops

## A43C 1/06

- . tightened by draw-strings

**A43C 3/00****Hooks for laces** ([making from sheet metal B21D 53/46](#)); **Guards for hooks**

## A43C 3/02

- . Lacing-hooks with guide rollers

## A43C 3/04

- . Spring safety-hooks

**A43C 5/00****Eyelets** ([machines for setting eyelets A43D 100/00](#))**A43C 7/00****Holding-devices for laces**

## A43C 7/005

- . { the devices having means to hold the traditional knots or part of it tightened }

## A43C 7/02

- . Flaps; Pockets

## A43C 7/04

- . Hinged devices

## A43C 7/06

- . Elastic bands

## A43C 7/08

- . Clamps drawn tight by laces

**A43C 9/00****Laces; Laces in general for garments made of textiles, leather, or plastics**

## A43C 9/02

- . provided with tags, buttons, or decorative tufts

## A43C 9/04

- . Forming ends of laces of plastics, celluloid, rubber, or the like

- A43C 9/06 . Releasable ends of laces
- A43C 9/08 . made of paper or wire
- A43C 11/00 Other fastenings specially adapted for shoes (dress fastenings in general [A44B](#))**
- A43C 11/002 . { Fastenings using stretchable material attached to cuts in the uppers }
- A43C 11/004 . { Fastenings fixed along the upper edges of the uppers }
- A43C 11/006 .. { Elastic fastenings }
- A43C 11/008 . { Combined fastenings, e.g. to accelerate undoing or fastening }
- A43C 11/02 . Button fastenings
- A43C 11/04 .. Studs; Fastening same
- A43C 11/06 . Snap-button fastenings
- A43C 11/08 . Hook fastenings; Rotary hooks
- A43C 11/10 .. Hooks with several tongues
- A43C 11/12 . Slide or glide fastenings
- A43C 11/14 . Clamp fastenings, { e.g. strap fastenings }; Clamp-buckle fastenings; Fastenings with toggle levers
- A43C 11/1406 .. { Fastenings with toggle levers; Equipment therefor }
- A43C 11/1413 ... { Equipment for fastening toggle lever fastenings }
- A43C 11/142 ... { Fastenings with toggle levers with adjustment means provided for on the shoe, e.g. rack }
- A43C 11/1426 .... { characterised by the attachment of the rack to the footwear }
- A43C 11/1433 .... { characterised by means to decrease required force for the closure movement of the toggle lever }
- A43C 11/144 .... { characterised by means to retain the preferred position on the rack when the fastening means are in the loosened position }
- A43C 11/1446 .... { characterised by special protection means to prevent damage or accidental loosening of the fastening means }
- A43C 11/1453 .... { characterised by the shape of the teeth on the rack }
- A43C 11/146 ... { Fastenings with toggle levers with adjustment means provided for on the strap, e.g. ratchet strap }
- A43C 11/1466 .... { characterised by means to decrease required force for the closure movement of the toggle lever }
- A43C 11/1473 .... { characterised by means to retain the preferred position on the strap when the fastening means are in the loosened position }
- A43C 11/148 .... { characterised by special protection means to prevent damage or accidental loosening of the fastening means }

- A43C 11/1486 . . . . { characterised by the shape of the teeth on the ratchet strap }
- A43C 11/1493 . . { Strap fastenings having hook and loop-type fastening elements }
- A43C 11/16 . Fastenings secured by wire, bolts, or the like
- A43C 11/165 . . { characterised by a spool, reel or pulley for winding up cables, laces or straps by rotation }
- A43C 11/18 . Fastenings of the lazy-tongs type
- A43C 11/20 . Fastenings with tightening devices mounted on the tongue
- A43C 11/22 . Fastening devices with elastic tightening parts between pairs of eyelets, e.g. clamps, springs, bands
- A43C 11/24 . Ornamental buckles or other ornaments for shoes, with fastening function (buckles in general [A44B 11/00](#))

#### **A43C 13/00**      **Wear-resisting attachments**

- A43C 13/02 . Metal plates for soles or heels
- A43C 13/04 . Cleats; Simple studs; Screws; Hob-nails
- A43C 13/06 . Attachments for edges of soles, especially for ski boots
- A43C 13/08 . . with rubber, plastics, leather, felt or like parts
- A43C 13/10 . . made from wire
- A43C 13/12 . Releasable protecting-soles of metal (soles of metal [A43B 3/10](#))
- A43C 13/14 . Special attachments for toe-caps; Protecting caps for toe-caps

#### **A43C 15/00**      **Non-skid devices or attachments** ([apparatus for climbing poles, trees, or the like A63B 27/00](#))

- A43C 15/005 . { Nails, pins }
- A43C 15/02 . attached to the sole
- A43C 15/04 . attached to the heel
- A43C 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](#))
- A43C 15/061 . . { Ice-gripping devices or attachments, e.g. ice-cleats, ice-creepers }
- A43C 15/063 . . . { with ice-gripping means projecting from the front foot region }
- A43C 15/065 . . . { with ice-gripping means projecting from the region directly in front of the heel }
- A43C 15/066 . . . { with ice-gripping means projecting from the heel area, e.g. ice spurs }

- A43C 15/068 . . { Climbing devices or attachments, e.g. glacier crampons, mountain climbing irons }
- A43C 15/08 . . Reversible ice-spikes
- A43C 15/09 . Equipment associated with footwear for walking on inclines to compensate for angle of inclination
- A43C 15/10 . Non-skid attachments made of wire, chain, or other meshed material
- A43C 15/12 . Small releasable non-slip straps
- A43C 15/14 . with outwardly-movable spikes
- A43C 15/16 . Studs { or cleats } for football or like boots
- A43C 15/161 . . { characterised by the attachment to the sole }
- A43C 15/162 . . { characterised by the shape }
- A43C 15/164 . . . { having a circular cross section }
- A43C 15/165 . . . . { pointed or conical, e.g. calks, spikes, pins }
- A43C 15/167 . . . . { frusto-conical or cylindrical }
- A43C 15/168 . . { with resilient means, e.g. shock absorbing means }
- A43C 15/18 . Serrated grips
- A43C 17/00                      Spurs**
- A43C 17/02 . Spurs; Means for fastening spurs
- A43C 17/04 . Releasable spur fastenings
- A43C 17/06 . Collapsible spurs
- A43C 19/00                      Attachments for footwear, not provided for in other groups of this subclass**