

**CPC****COOPERATIVE PATENT CLASSIFICATION****B25C****HAND-HELD NAILING OR STAPLING TOOLS; MANUALLY OPERATED PORTABLE STAPLING TOOLS** (for shoemaking [A43D](#))**NOTE**

For the purposes of this subclass, the term "nail" is to be understood as including pin, bolt, and plug

**B25C 1/00**

**Hand-held nailing tools** (hammers per se [B25D](#); nailing machines [B27F 7/02](#)); **Nail feeding devices**

- B25C 1/001 . { Nail feeding devices ([B25C 1/184](#) takes precedence)}
- B25C 1/003 .. { for belts of nails }
- B25C 1/005 .. { for rows of contiguous nails }
- B25C 1/006 .. { for corrugated nails and marking tags }
- B25C 1/008 . { Safety devices }
- B25C 1/02 . operated by manual power
- B25C 1/04 . operated by fluid pressure, { e.g. by air pressure }
- B25C 1/041 .. { with fixed main cylinder }
- B25C 1/042 ... { Main valve and main cylinder }
- B25C 1/043 ... { Trigger valve and trigger mechanism }
- B25C 1/044 .. { with movable main cylinder }
- B25C 1/045 ... { main valve and main cylinder }
- B25C 1/046 ... { Trigger valve and trigger mechanism }
- B25C 1/047 .. { Mechanical details }
- B25C 1/048 .. { Hydraulically operated }
- B25C 1/06 . operated by electric power
- B25C 1/08 . operated by combustion pressure
- B25C 1/082 .. { generated by detonation of a pellet }
- B25C 1/085 ... { trigger operated }
- B25C 1/087 ... { operated by a hammer blow }
- B25C 1/10 .. generated by detonation of a cartridge
- B25C 1/105 ... { Cartridge ejecting mechanisms and latch mechanisms }
- B25C 1/12 ... acting directly on the bolt
- B25C 1/123 .... { trigger operated }
- B25C 1/126 .... { operated by a hammer blow }

- B25C 1/14 . . . acting on an intermediate plunger or anvil ([pistols for slaughtering or stunning animals A22B 3/02](#))
- B25C 1/143 . . . . { trigger operated }
- B25C 1/146 . . . . { operated by a hammer blow }
- B25C 1/16 . . . Cartridges specially adapted for impact tools; Cartridge and bolts units ([bolts per se F16B 19/14](#))
- B25C 1/163 . . . . { Cartridges }
- B25C 1/166 . . . . { Pellets }
- B25C 1/18 . . . Details and accessories, e.g. splinter guards, spall minimisers
- B25C 1/182 . . . . { Feeding devices }
- B25C 1/184 . . . . . { for nails }
- B25C 1/186 . . . . . { for cartridges or pellets }
- B25C 1/188 . . . . { Arrangements at the forward end of the barrel, e.g. splinter guards, spall minimisers, safety arrangements, silencers, bolt retainers }

### **B25C 3/00      Portable devices for holding and guiding nails; Nail dispensers**

- B25C 3/002 . { nail dispensers with provision for holding and guiding nails }
- B25C 3/004 . . { the nail being hit by a hammer head }
- B25C 3/006 . { only for holding and guiding }
- B25C 3/008 . . { the nail being hit by a hammer head }

### **B25C 5/00      Manually operated portable stapling tools; Hand-held power-operated stapling tools** ([{ clip clamping hand tools B25B 27/14C; } details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed B25F 5/00; stapling machines B27F 7/17](#)); **Staple feeding devices therefor** ([staples F16B 15/00](#))

#### **NOTE**

In this group the following term is used with the meaning indicated: -"stapling tools" covers tools for driving U-shaped loops, e.g. of metallic material, into a surface to fix an object thereto, or through layers of relatively thin material to hold them together, e.g. by clinching

- B25C 5/02 . with provision for bending the ends of the staples on to the work
- B25C 5/0207 . . { Particular clinching mechanisms ([B25C 5/0271 takes precedence](#))}
- B25C 5/0214 . . { Combined stapling and punching tools }
- B25C 5/0221 . . { Stapling tools of the table model type, i.e. tools supported by a table or the work during operation }
- B25C 5/0228 . . . { power-operated }
- B25C 5/0235 . . . { manually operated having a plunger cooperating with an anvil ([B25C 5/025 takes precedence](#))}

- B25C 5/0242 . . . { having a pivoting upper leg and a leg provided with an anvil supported by the table or work }
- B25C 5/025 . . . . { the plunger being manually operated }
- B25C 5/0257 . . . { without an anvil, e.g. using staples of particular shape bent during the stapling operation without the use of external clinching means }
- B25C 5/0264 . . . . { having pivoting clinching means for bending the staple ends }
- B25C 5/0271 . . . . . { Clinching means therefor }
- B25C 5/0278 . . . { having staple forming means }
- B25C 5/0285 . . { Hand-held stapling tools, e.g. manually operated, i.e. not resting on a working surface during operation }
- B25C 5/0292 . . . { with the objects to be stapled together introduced perpendicularly to the longitudinal axis of the tool in an opening formed by an anvil and a plunger }
- B25C 5/04 . . with means for forming the staples in the tool
- B25C 5/045 . . . { starting from performed staples }
- B25C 5/06 . without provision for bending the ends of the staples on to the work
- B25C 5/08 . . with means for forming the staples in the tool
- B25C 5/085 . . . { starting from performed staples }
- B25C 5/10 . Driving means
- B25C 5/11 . . operated by manual { or foot } power
- B25C 5/13 . . operated by fluid pressure
- B25C 5/15 . . operated by electric power
- B25C 5/16 . Staple-feeding devices { e.g. with feeding means, supports for staples or accessories concerning feeding devices }
- B25C 5/1603 . . { for tools with provision for bending the ends of the staples or to the work }
- B25C 5/1606 . . { Feeding means }
- B25C 5/161 . . . { employing a spring-loaded puller }
- B25C 5/1613 . . . . { with means for holding puller out of position during re-loading }
- B25C 5/1617 . . . { employing a spring-loaded pusher }
- B25C 5/162 . . . . { with means for holding pusher out of position during re-loading }
- B25C 5/1624 . . { employing mechanical feeding means ([B25C 5/161](#) , [B25C 5/1617](#) take precedence)}
- B25C 5/1627 . . . . { of incremental type }
- B25C 5/1631 . . . . { for feeding a chosen number of staples to the drive channel }
- B25C 5/1634 . . . { employing gravity feed }
- B25C 5/1637 . . { Supports for the staples being fed }
- B25C 5/1641 . . . { allowing the feeding of a variety of elements }
- B25C 5/1644 . . . . { of different shapes }
- B25C 5/1648 . . . . . { by use or interchangeable supports }
- B25C 5/1651 . . . . . { of T-shaped staples or nails }
- B25C 5/1655 . . . . . { by use of interchangeable supports }

- B25C 5/1658 . . . . { of different sizes of staples }
- B25C 5/1662 . . . . . { by use of interchangeable supports }
- B25C 5/1665 . . { with means for preventing jamming or aiding unjamming within the drive channel }
- B25C 5/1668 . . . { preventing jamming by retaining the next staple }
- B25C 5/1672 . . . . { for multiple-stroke driving }
- B25C 5/1675 . . . { unjamming by movement of the feeding device }
- B25C 5/1679 . . { comprising storing arrangements for a plurality of staple strips }
- B25C 5/1682 . . . { on a rotating carousel }
- B25C 5/1686 . . { using pre-loaded cassettes }
- B25C 5/1689 . . { with means for indicating the number of staples remaining }
- B25C 5/1693 . . { co-ordinating with the feed of a second item }
- B25C 5/1696 . . { Staple support displaceable relative to the tool to allow re-loading }

**B25C 7/00**      **Accessories for nailing or stapling tools, e.g. supports** (for tools operated by detonation of a cartridge [B25C 1/18](#))

**B25C 9/00**      **Nail punches**

**B25C 11/00**      **Nail, spike, and staple extractors** (incorporated in hammers [B25D 1/00](#))

B25C 11/02      .    Pincers ([joints therefor B25B 7/06](#))

**B25C 13/00**      **Nail straightening devices**