

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 27/146](#); 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