

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**