

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**