

**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

**Guidance heading:****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 ( <a href="#">pistols for slaughtering or stunning animals A22B 3/02</a> )
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 ( <a href="#">bolts per se F16B 19/14</a> )
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 ( <a href="#">B25C 5/0271</a> 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 ( <a href="#">B25C 5/025</a> 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**