

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**