

**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 (pistols for slaughtering or stunning animals <a href="#">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 (bolts per se <a href="#">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 ( <a href="#">B25C 5/161</a> , <a href="#">B25C 5/1617</a> 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**