

# CPC COOPERATIVE PATENT CLASSIFICATION

## B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

### SHAPING

## B25 HAND TOOLS; PORTABLE POWER-DRIVEN TOOLS; MANIPULATORS

(NOTE omitted)

## 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

### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

<b>1/00</b>	<b>Hand-held nailing tools (hammers <a href="#">per se</a> <a href="#">B25D</a>; nailing machines <a href="#">B27F 7/02</a>); Nail feeding devices</b>	<b>1/18</b>	. . . Details and accessories, e.g. splinter guards, spall minimisers
<b>1/001</b>	. {Nail feeding devices ( <a href="#">B25C 1/184</a> takes precedence)}	<b>1/182</b>	. . . . {Feeding devices}
<b>1/003</b>	. . {for belts of nails}	<b>1/184</b>	. . . . . {for nails}
<b>1/005</b>	. . {for rows of contiguous nails}	<b>1/186</b>	. . . . . {for cartridges or pellets}
<b>1/006</b>	. . {for corrugated nails and marking tags}	<b>1/188</b>	. . . . {Arrangements at the forward end of the barrel, e.g. splinter guards, spall minimisers, safety arrangements, silencers, bolt retainers}
<b>1/008</b>	. {Safety devices}		
<b>1/02</b>	. operated by manual power	<b>3/00</b>	<b>Portable devices for holding and guiding nails; Nail dispensers</b>
<b>1/04</b>	. operated by fluid pressure {, e.g. by air pressure}	<b>3/002</b>	. {nail dispensers with provision for holding and guiding nails}
<b>1/041</b>	. . {with fixed main cylinder}	<b>3/004</b>	. . {the nail being hit by a hammer head}
<b>1/042</b>	. . . {Main valve and main cylinder}	<b>3/006</b>	. {only for holding and guiding}
<b>1/043</b>	. . . {Trigger valve and trigger mechanism}	<b>3/008</b>	. . {the nail being hit by a hammer head}
<b>1/044</b>	. . {with movable main cylinder}		
<b>1/045</b>	. . . {main valve and main cylinder}	<b>5/00</b>	<b>Manually operated portable stapling tools; Hand-held power-operated stapling tools ({clip clamping hand tools <a href="#">B25B 27/146</a>}; details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed <a href="#">B25F 5/00</a>; stapling machines <a href="#">B27F 7/17</a>); Staple feeding devices therefor (staples <a href="#">F16B 15/00</a>)</b>
<b>1/046</b>	. . . {Trigger valve and trigger mechanism}		
<b>1/047</b>	. . {Mechanical details}		
<b>1/048</b>	. . {Hydraulically operated}		
<b>1/06</b>	. operated by electric power		
<b>1/08</b>	. operated by combustion pressure		
<b>1/082</b>	. . {generated by detonation of a pellet}		
<b>1/085</b>	. . . {trigger operated}		
<b>1/087</b>	. . . {operated by a hammer blow}		
<b>1/10</b>	. . generated by detonation of a cartridge		
<b>1/105</b>	. . . {Cartridge ejecting mechanisms and latch mechanisms}		
<b>1/12</b>	. . . acting directly on the bolt		
<b>1/123</b>	. . . . {trigger operated}		
<b>1/126</b>	. . . . {operated by a hammer blow}		
<b>1/14</b>	. . . acting on an intermediate plunger or anvil (pistols for slaughtering or stunning animals <a href="#">A22B 3/02</a> )		
<b>1/143</b>	. . . . {trigger operated}	<b>5/02</b>	. with provision for bending the ends of the staples on to the work
<b>1/146</b>	. . . . {operated by a hammer blow}	<b>5/0207</b>	. . {Particular clinching mechanisms ( <a href="#">B25C 5/0271</a> takes precedence)}
<b>1/16</b>	. . . Cartridges specially adapted for impact tools; Cartridge and bolts units (bolts <a href="#">per se</a> <a href="#">F16B 19/14</a> )	<b>5/0214</b>	. . {Combined stapling and punching tools}
<b>1/163</b>	. . . . {Cartridges}	<b>5/0221</b>	. . {Stapling tools of the table model type, i.e. tools supported by a table or the work during operation}
<b>1/166</b>	. . . . {Pellets}		

### 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

- 5/0228 . . . {power-operated}
- 5/0235 . . . {manually operated having a plunger cooperating with an anvil ([B25C 5/025 takes precedence](#))}
- 5/0242 . . . {having a pivoting upper leg and a leg provided with an anvil supported by the table or work}
- 5/025 . . . . {the plunger being manually operated}
- 5/0257 . . . {without an anvil, e.g. using staples of particular shape bent during the stapling operation without the use of external clinching means}
- 5/0264 . . . . {having pivoting clinching means for bending the staple ends}
- 5/0271 . . . . . {Clinching means therefor}
- 5/0278 . . . {having staple forming means}
- 5/0285 . . {Hand-held stapling tools, e.g. manually operated, i.e. not resting on a working surface during operation}
- 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}
- 5/04 . . with means for forming the staples in the tool
- 5/045 . . . {starting from performed staples}
- 5/06 . without provision for bending the ends of the staples on to the work
- 5/08 . . with means for forming the staples in the tool
- 5/085 . . . {starting from performed staples}
- 5/10 . Driving means
- 5/11 . . operated by manual {or foot} power
- 5/13 . . operated by fluid pressure
- 5/15 . . operated by electric power
- 5/16 . Staple-feeding devices {, e.g. with feeding means, supports for staples or accessories concerning feeding devices}
- 5/1603 . . {for tools with provision for bending the ends of the staples or to the work}
- 5/1606 . . {Feeding means}
- 5/161 . . . {employing a spring-loaded puller}
- 5/1613 . . . . {with means for holding puller out of position during re-loading}
- 5/1617 . . . {employing a spring-loaded pusher}
- 5/162 . . . . {with means for holding pusher out of position during re-loading}
- 5/1624 . . . {employing mechanical feeding means ([B25C 5/161](#), [B25C 5/1617 take precedence](#))}
- 5/1627 . . . . {of incremental type}
- 5/1631 . . . . {for feeding a chosen number of staples to the drive channel}
- 5/1634 . . . {employing gravity feed}
- 5/1637 . . {Supports for the staples being fed}
- 5/1641 . . . {allowing the feeding of a variety of elements}
- 5/1644 . . . . {of different shapes}
- 5/1648 . . . . . {by use or interchangeable supports}
- 5/1651 . . . . . {of T-shaped staples or nails}
- 5/1655 . . . . . {by use of interchangeable supports}
- 5/1658 . . . . {of different sizes of staples}
- 5/1662 . . . . . {by use of interchangeable supports}
- 5/1665 . . {with means for preventing jamming or aiding unjamming within the drive channel}
- 5/1668 . . . {preventing jamming by retaining the next staple}
- 5/1672 . . . . {for multiple-stroke driving}
- 5/1675 . . . . {unjamming by movement of the feeding device}
- 5/1679 . . {comprising storing arrangements for a plurality of staple strips}
- 5/1682 . . . . {on a rotating carousel}
- 5/1686 . . {using pre-loaded cassettes}
- 5/1689 . . {with means for indicating the number of staples remaining}
- 5/1693 . . {co-ordinating with the feed of a second item}
- 5/1696 . . {Staple support displaceable relative to the tool to allow re-loading}
- 7/00** **Accessories for nailing or stapling tools, e.g. supports** (for tools operated by detonation of a cartridge [B25C 1/18](#))
- 9/00** **Nail punches**
- 11/00** **Nail, spike, and staple extractors** (incorporated in hammers [B25D 1/00](#))
- 11/02 . Pincers (joints therefor [B25B 7/06](#))
- 13/00** **Nail straightening devices**