

SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B25 HAND TOOLS; PORTABLE POWER-DRIVEN TOOLS; HANDLES FOR HAND IMPLEMENTS; WORKSHOP EQUIPMENT; MANIPULATORS

B25D PERCUSSIVE TOOLS (percussive machines for forging B21J; hand-held drilling machines, in general B23B 45/00, for wood B27C 3/08; percussion drilling of earth or rock E21B) [2]

Subclass index

TOOLS DISTINGUISHED BY OPERATIVE METHOD.....9/00-16/00
 HAMMERS, CHISELS, PUNCHES, OR PICKS.....1/00-7/00
 DETAILS OR ACCESSORIES.....17/00

1/00 Hand hammers; Hammer heads of special shape or materials	9/20	• • • involving a tubular-type slide valve
1/02 • Inserts or attachments forming the striking part of hammer heads (B25D 1/08-B25D 1/14 take precedence) [5]	9/22	• • • involving a rotary-type slide valve
1/04 • with provision for withdrawing or holding nails or spikes	9/24	• • • involving a rocking-plate type valve
1/06 • • Magnetic holders [5]	9/26	• • Control devices for adjusting the stroke of the piston or the force or frequency of impact thereof
1/08 • having deformable heads (B25D 1/12 takes precedence) [5]	11/00 Portable percussive tools with electromotor drive (centrifugal or rotary impact type B25D 15/00)	
1/10 • having work protector surrounding faces (B25D 1/12 takes precedence) [5]	11/02	• in which the tool is connected to an impulse member
1/12 • having shock-absorbing means [5]	11/04	• in which the tool bit or anvil is hit by an impulse member
1/14 • having plural striking faces [5]	11/06	• Means for driving the impulse member
1/16 • having the impacting head in the form of a sleeve slidable on a shaft, e.g. hammers for driving a valve or draw-off tube into a barrel [5]	11/08	• • comprising a worm mechanism
	11/10	• • comprising a cam mechanism
	11/12	• • comprising a crank mechanism
3/00 Hand chisels (mortise chisels B27G 17/08)	13/00 Portable percussive tools with electromagnetic drive (B25D 15/00 takes precedence)	
5/00 Centre punches	15/00 Portable percussive tools using centrifugal or rotary impact elements	
5/02 • Automatic centre punches	15/02	• in which the tool bit or anvil is hit by a rotary impulse member
7/00 Picks (combined with other tools B25F)	16/00 Portable percussive machines with superimposed rotation (portable drilling machines with superimposed percussive action B23B 45/16) [3]	
9/00 Portable percussive tools with fluid-pressure drive, e.g. having several percussive tool bits operated simultaneously (centrifugal or rotary impact type B25D 15/00; portable non-percussive drilling tools driven by fluid pressure or pneumatic power B23B 45/04)	17/00 Details of, or accessories for, portable power-driven percussive tools (details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed B25F 5/00) [4]	
9/02 • of the tool-carrier piston type, i.e. in which the tool is connected to an impulse member	17/02	• Percussive tool bits (drill bits for earth drilling E21B 10/00)
9/04 • of the hammer piston type, i.e. in which the tool bit or anvil is hit by an impulse member	17/04	• Handles; Handle mountings
9/06 • Means for driving the impulse member	17/06	• Hammer pistons; Anvils
9/08 • • comprising a built-in air compressor	17/08	• Means for retaining and guiding the tool bit, e.g. chucks
9/10 • • comprising a built-in internal-combustion engine	17/10	• Safety devices (in general F16P)
9/11 • • operated by combustion pressure generated by detonation of a cartridge	17/11	• Arrangements of noise damping means (noise damping in general G10K 11/16) [3]
9/12 • • comprising a built-in liquid motor	17/12	• • of exhaust silencers [3]
9/14 • Control devices for the reciprocating piston	17/14	• Removing or laying dust (flushing boreholes while drilling earth or rock E21B 21/00)
9/16 • • Valve arrangements therefor		
9/18 • • • involving a piston-type slide valve		

B25D

- 17/16 • • by liquid
- 17/18 • • by exhausting dust-loaded air
- 17/20 • Devices for cleaning or cooling tool or work
- 17/22 • • using pressure fluid
- 17/24 • Damping the reaction force
- 17/26 • Lubricating (in general F16N)
- 17/28 • Supports; Devices for holding power-driven percussive tools in working position
- 17/30 • • Pillars and struts
- 17/32 • • Trolleys