

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 to 16/00

HAMMERS, CHISELS, PUNCHES, OR

PICKS 1/00 to 7/00

DETAILS OR ACCESSORIES 17/00

1/00	Hand hammers; Hammer heads of special shape or materials	11/00	Portable percussive tools with electromotor drive (centrifugal or rotary impact type B25D 15/00)
1/02	. Inserts or attachments forming the striking part of hammer heads (B25D 1/08 to B25D 1/14 take precedence) [5]	11/02	. in which the tool is connected to an impulse member
1/04	. with provision for withdrawing or holding nails or spikes	11/04	. in which the tool bit or anvil is hit by an impulse member
1/06	. . Magnetic holders [5]	11/06	. Means for driving the impulse member
1/08	. having deformable heads (B25D 1/12 takes precedence) [5]	11/08	. . comprising a worm mechanism
1/10	. having work protector surrounding faces (B25D 1/12 takes precedence) [5]	11/10	. . comprising a cam mechanism
1/12	. having shock-absorbing means [5]	11/12	. . comprising a crank mechanism
1/14	. having plural striking faces [5]	13/00	Portable percussive tools with electromagnetic drive (B25D 15/00 takes precedence)
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]	15/00	Portable percussive tools using centrifugal or rotary impact elements
3/00	Hand chisels (mortise chisels B27G 17/08)	15/02	. in which the tool bit or anvil is hit by a rotary impulse member
5/00	Centre punches	16/00	Portable percussive machines with superimposed rotation (portable drilling machines with superimposed percussive action B23B 45/16) [3]
5/02	. Automatic centre punches	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]
7/00	Picks (combined with other tools B25F)	17/02	. Percussive tool bits (drill bits for earth drilling E21B 10/00)
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)	17/04	. Handles; Handle mountings
9/02	. of the tool-carrier piston type, i.e. in which the tool is connected to an impulse member	17/06	. Hammer pistons; Anvils
9/04	. of the hammer piston type, i.e. in which the tool bit or anvil is hit by an impulse member	17/08	. Means for retaining and guiding the tool bit, e.g. chucks
9/06	. Means for driving the impulse member	17/10	. Safety devices (in general F16P)
9/08	. . comprising a built-in air compressor	17/11	. Arrangements of noise damping means (noise damping in general G10K 11/16) [3]
9/10	. . comprising a built-in internal-combustion engine	17/12	. . of exhaust silencers [3]
9/11	. . operated by combustion pressure generated by detonation of a cartridge	17/14	. Removing or laying dust (flushing boreholes while drilling earth or rock E21B 21/00)
9/12	. . comprising a built-in liquid motor	17/16	. . by liquid
9/14	. Control devices for the reciprocating piston	17/18	. . by exhausting dust-loaded air
9/16	. . Valve arrangements therefor	17/20	. Devices for cleaning or cooling tool or work
9/18	. . . involving a piston-type slide valve	17/22	. . using pressure fluid
9/20	. . . involving a tubular-type slide valve	17/24	. Damping the reaction force
9/22	. . . involving a rotary-type slide valve	17/26	. Lubricating (in general F16N)
9/24	. . . involving a rocking-plate type valve	17/28	. Supports; Devices for holding power-driven percussive tools in working position
9/26	. . Control devices for adjusting the stroke of the piston or the force or frequency of impact thereof	17/30	. . Pillars and struts
		17/32	. . Trolleys