

Title (en)
SUPPORT FOR DRILLS FOR SHARPENING CUTTING EDGES

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Application
EP 82110241 A 19821106

Priority
DE 3146664 A 19811125

Abstract (en)
[origin: US4547999A] This invention relates to a fixing device for fixing drills which are to be ground at their cutting edges. The fixing device comprises a baseplate, a stand carried by said baseplate, a pivot pin mounted on said stand near its top end, and a gripping device, which is slidably fitted on said pivot pin and adapted to grip the drill which is to be ground. The invention provides a simple and inexpensive fixing device of this type, which can be used for grinding twist drills or other drills, particularly by hobbyists, with adequate accuracy. In a device for fixing a drill which is to be ground at its cutting edges, comprising a baseplate, a stand carried by said baseplate, a pivot pin mounted on said stand near its top end, and a gripping device, which is fitted on said pivot pin and adapted to grip the drill which is to be ground, wherein said gripping device comprises a retaining member and prismatic members which extend transversely to said retaining member and are adapted to be adjusted relative to each other and to be fixed in position, a web of said retaining member carries a thrust screw for gripping a drill disposed between the prismatic members, and the prismatic members have end faces formed with blind bores for a fitting of the prismatic members on said pivot pin in different positions, that object is accomplished according in that the retaining member consists of a U-shaped guiding member, which embraces the prismatic members and extends into grooves formed on opposite sides of said prismatic members, one of said prismatic members constitutes an outer prismatic member, which is crew-connected to the end portions of the legs of the retaining member, the other of said prismatic members constitutes an inner prismatic member and is adapted to be displaced by said thrust screw so as to grip the drill between the prismatic members, and the prismatic members are formed in confronting surfaces with respective U-shaped longitudinal grooves, which are adapted to receive the drill.

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