

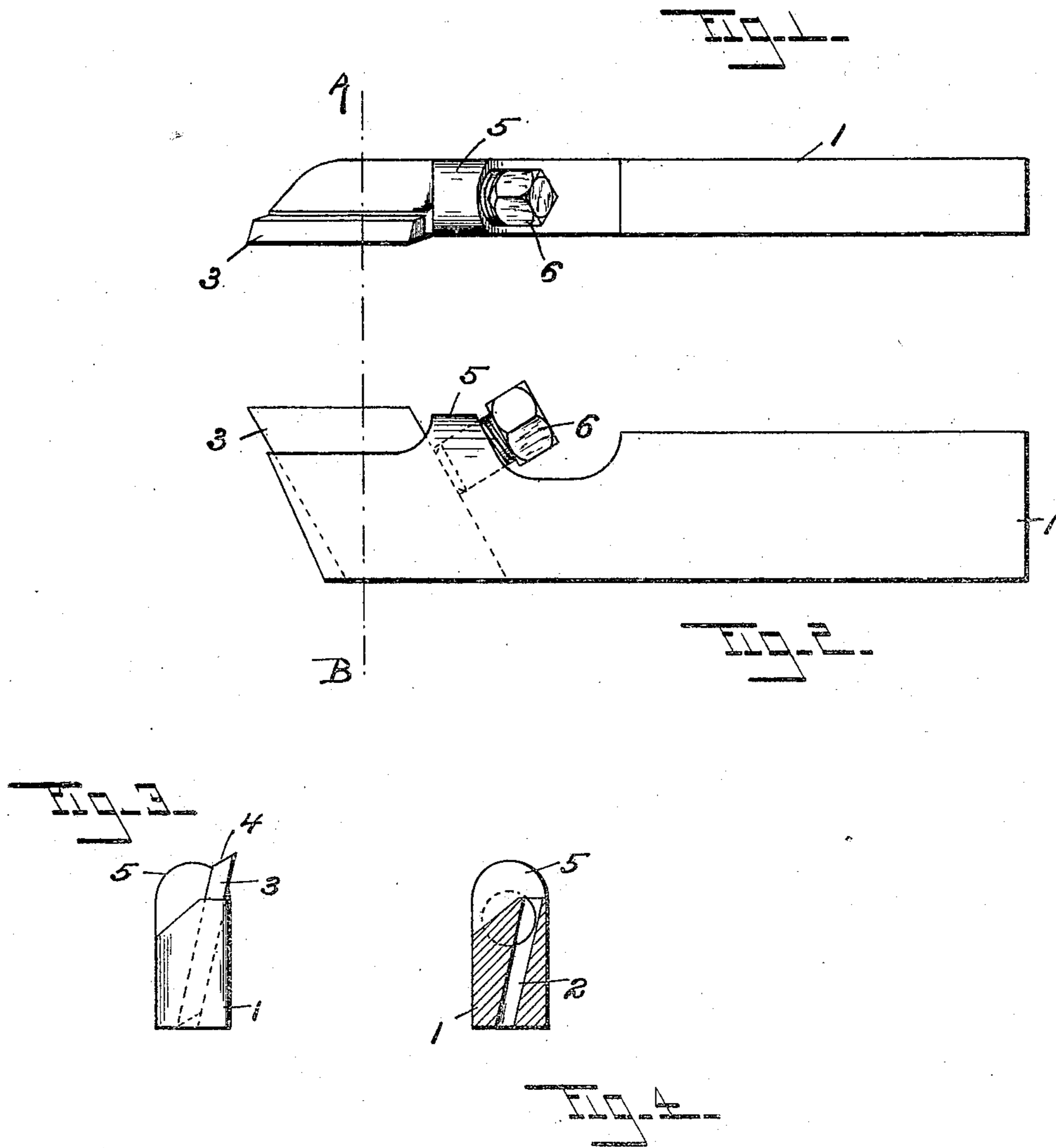
G. A. BARNES.

TOOL.

APPLICATION FILED APR. 25, 1908.

944,306.

Patented Dec. 28, 1909.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## TOOL.

944,306.

Specification of Letters Patent.

Patented Dec. 28, 1909.

Application filed April 25, 1908. Serial No. 429,148.

*To all whom it may concern:*

Be it known that I, GEORGE A. BARNES, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Tools, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to new and useful improvements in tools, referring more particularly to that class of lathe tools known as a side tool, and has for its object, among other things, to produce an economical tool of this character that will be rigid while in operation and having a cutter therein that is separably and adjustably secured to the body, with ample clearance for the cutting edge.

To these, and other ends, my invention consists in the tool having certain details of construction and combinations of parts, as will be hereinafter described and more particularly pointed out in the claim.

Referring to the drawings, in which like numerals of reference designate like parts in the several figures: Figure 1 is a plan of my improved tool; Fig. 2 is a side elevation thereof; Fig. 3 is an elevation of the front end; and Fig. 4 is a transverse section upon line A—B of Figs. 1 and 2.

In the practice of my invention I provide a body member 1 having in one end thereof a slot 2 which lies at an angle to the sides and bottom thereof (see Figs. 3 and 4) and also at an angle from the front to the rear (see Figs. 1 and 2). The side and front edges of this slot as it opens through

the top of the tool are adjacent to the side and front edges of the body member. Movably mounted within this slot is the cutter 3 which is preferably made from a piece of flat bar steel of standard size with the ends beveled at 4 to provide a cutting edge. Threadable through the lug 5 integral with the body is a screw 6, the end of which impinges against the edge of said cutter and rigidly holds the same within said body. The angle of the slot 2 within which the cutter is held is such that the side and end thereof overhang the body and engage the work with a clearance sufficient to make a good cutting edge.

Having described my invention, what I claim as new and desire to secure by Letters Patent, is:—

A lathe tool, comprising in combination, a body member having a cutter socket rectangular in cross section formed by an opening provided in one end of said body, at an angle to the sides and bottom and projecting downwardly and rearwardly from the top of the body, a cutter comprising a flat strip of metal conformably fitted in the socket, said strip of metal having an upper cutting edge, a lug integral with the body and projecting upwardly from the top thereof, and a screw projecting through said lug at an angle thereto to impinge against the cutter.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE A. BARNES.

Witnesses:

GEORGE E. HALL,

FLORENCE H. MONK.