

H. W. WELLS.  
ENGRAVING TOOL.  
APPLICATION FILED MAY 21, 1908.

914,621.

Patented Mar. 9, 1909.

Fig. 1.

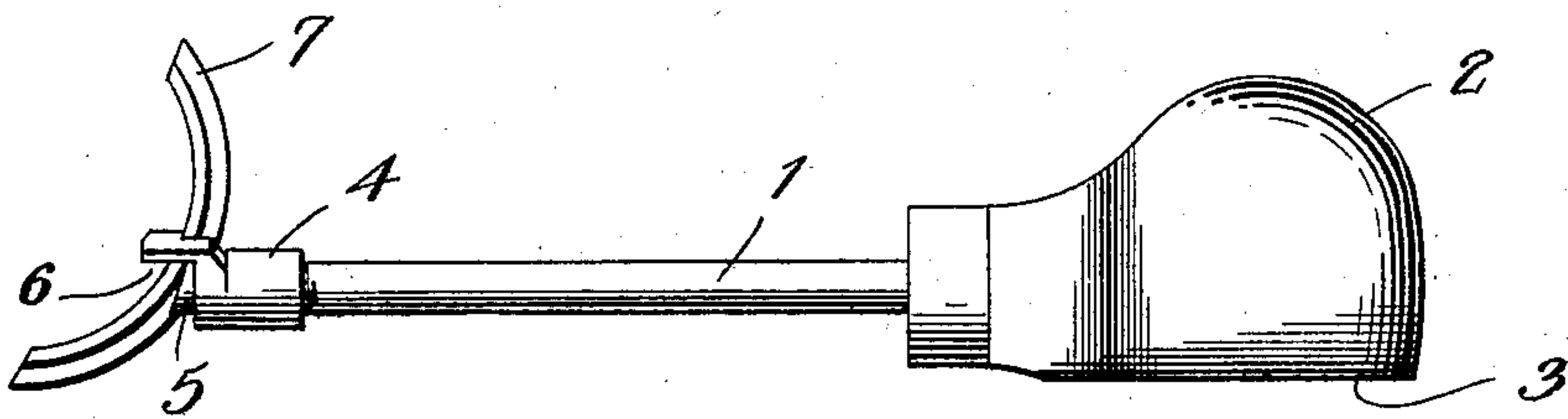


Fig. 2.

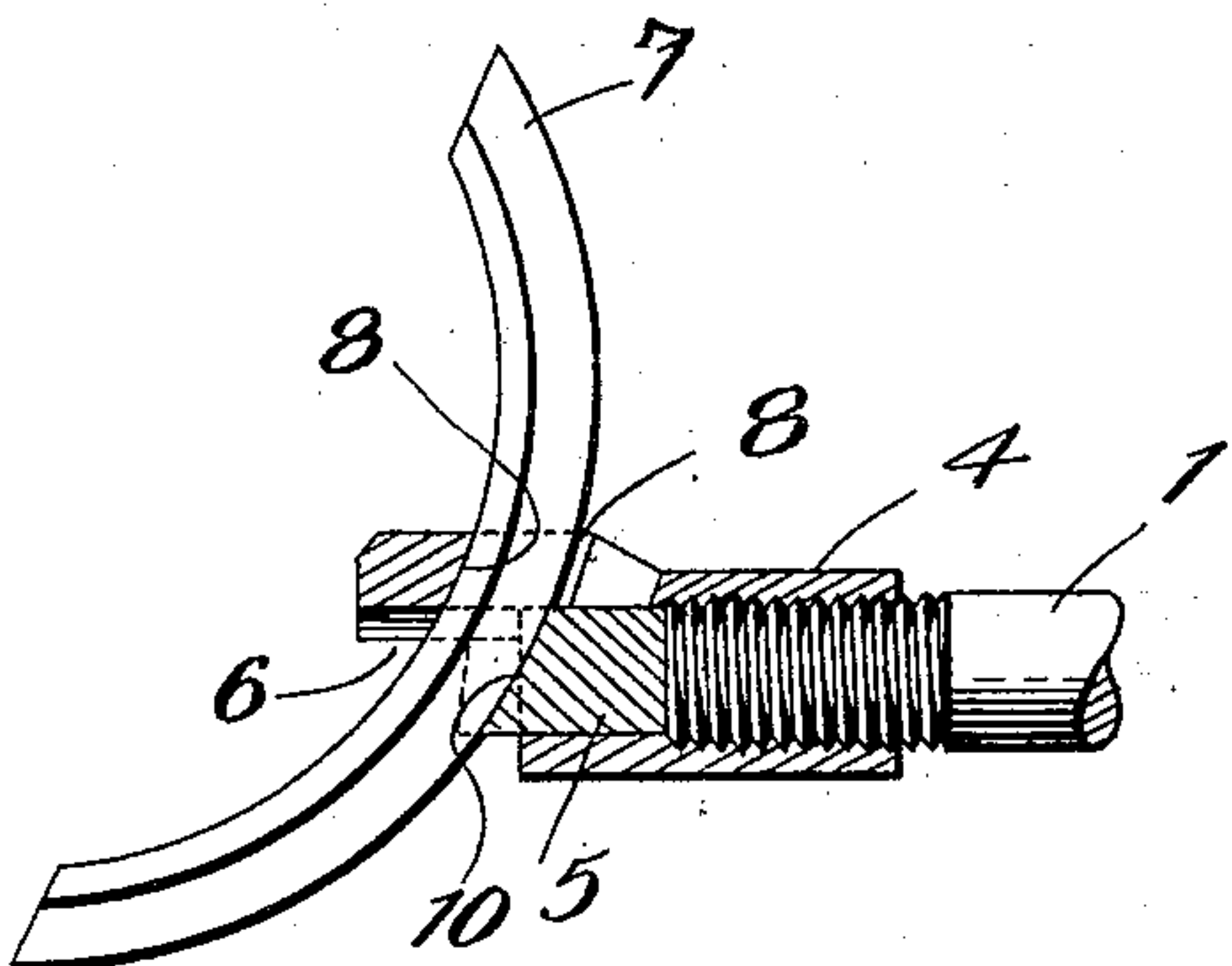


Fig. 3.

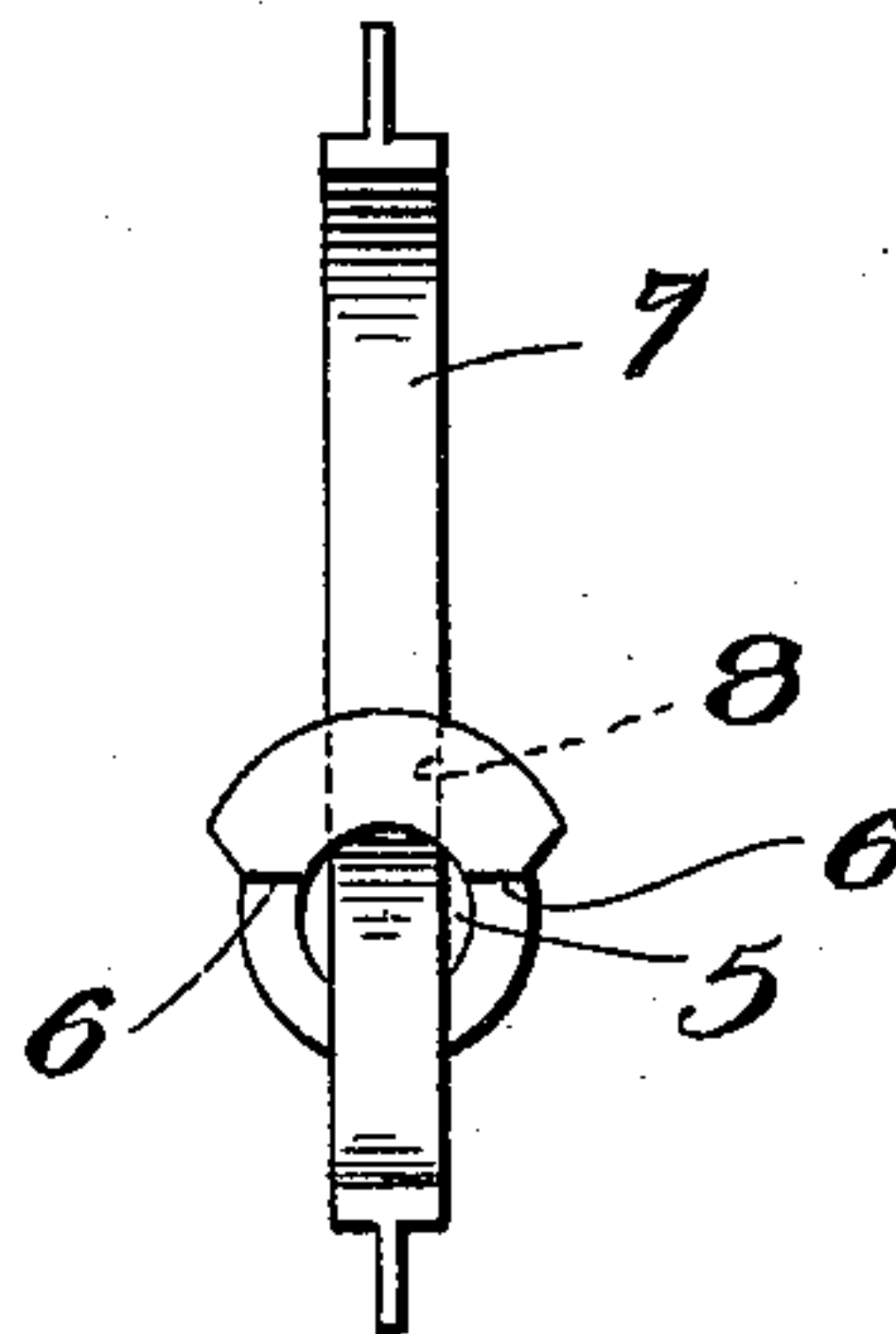
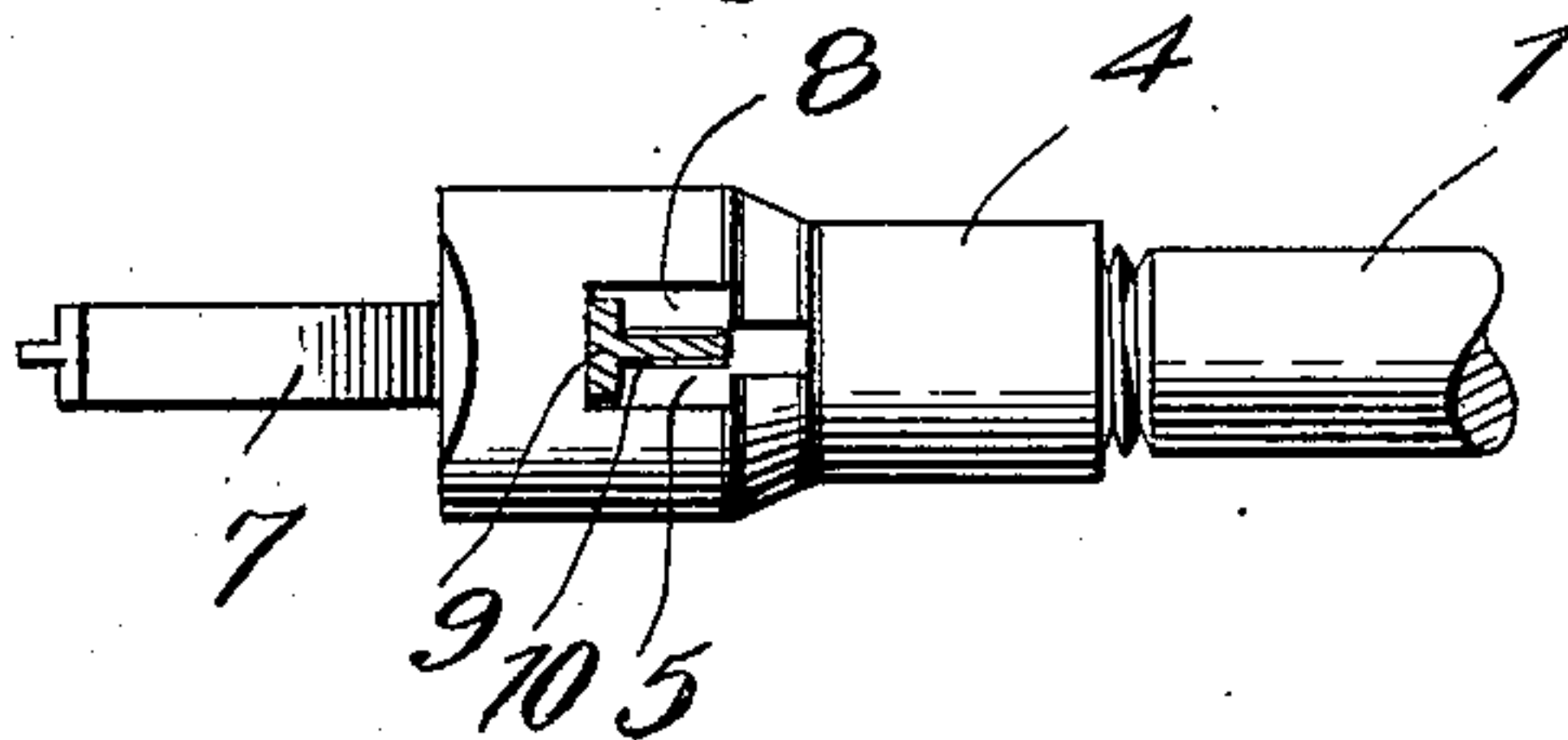


Fig. 4.



Witnesses

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# UNITED STATES PATENT OFFICE.

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## ENGRAVING-TOOL.

No. 914,621.

Specification of Letters Patent.

Patented March 9, 1909.

Application filed May 21, 1908. Serial No. 434,178.

*To all whom it may concern:*

Be it known that I, HOWARD W. WELLS, a citizen of the United States, residing at Poughkeepsie, in the county of Dutchess and State of New York, have invented new and useful Improvements in Engraving-Tools, of which the following is a specification.

My invention relates to engraving tools.

The object of the invention is to provide a device of this character which will be adjustable so that it may be utilized in place of a plurality of different tools having different bits rigidly secured thereto, and further to provide a tool of this character which will have its bits adjustably arranged so that the operator may set the tool to suit himself and also suit the work being operated upon.

With these and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a side elevation of the tool, Fig. 2 is a detail longitudinal section thereof, and Fig. 3 is an end view. Fig. 4 is a detail plan view.

Referring more especially to the drawings, 1 represents the shank of the device which is secured at one end of the usual handle 2 with a flat side 3. The opposite end of the shank 1 is threaded to receive the socket piece 4, in which is seated the pressure stud 5. One side socket piece is cut away as at 6, to allow the passage of the bit 7, and the side is apertured at 8 so as to permit the bit to pass therethrough. The aperture 8 forms a square shoulder 9, which acts as an anvil against which the bit 7 may be seated. When the shank is unscrewed in the socket piece it will be seen that the bit may be moved to any position desired, but when screwed up therein the pressure stud is forced against the under side of the bit, and the latter is shoved into engagement with the shoulder and held in

clamped position. In order to secure bits of certain characters within the socket piece I groove the pressure stud as at 10, and make it beveled on its engaging face. This with the curved bit shown gives any desired angle of adjustment, which is suitable to the operator, or which is necessary for the class of work being operated upon.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined in the appended claims.

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

1. An engraver's tool comprising a shank, a socket-piece threaded on to the end thereof, and a curved bit secured in the end of the socket-piece.

2. In an engraver's tool comprising a shank, a socket-piece threaded on to the end thereof, a pressure stud seated in the socket-piece and adapted to be engaged by the end of the shank, and a curved bit held in the socket piece by the pressure stud.

3. In an engraver's tool comprising a shank, a socket-piece threaded on to the end thereof, a pressure stud seated in the socket-piece and adapted to be engaged by the end of the shank, and a curved bit adjustably held in the socket-piece by the pressure stud.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HOWARD W. WELLS.

Witnesses:

EDWARD QUINTARD,

WILLIAM M. QUINTARD.