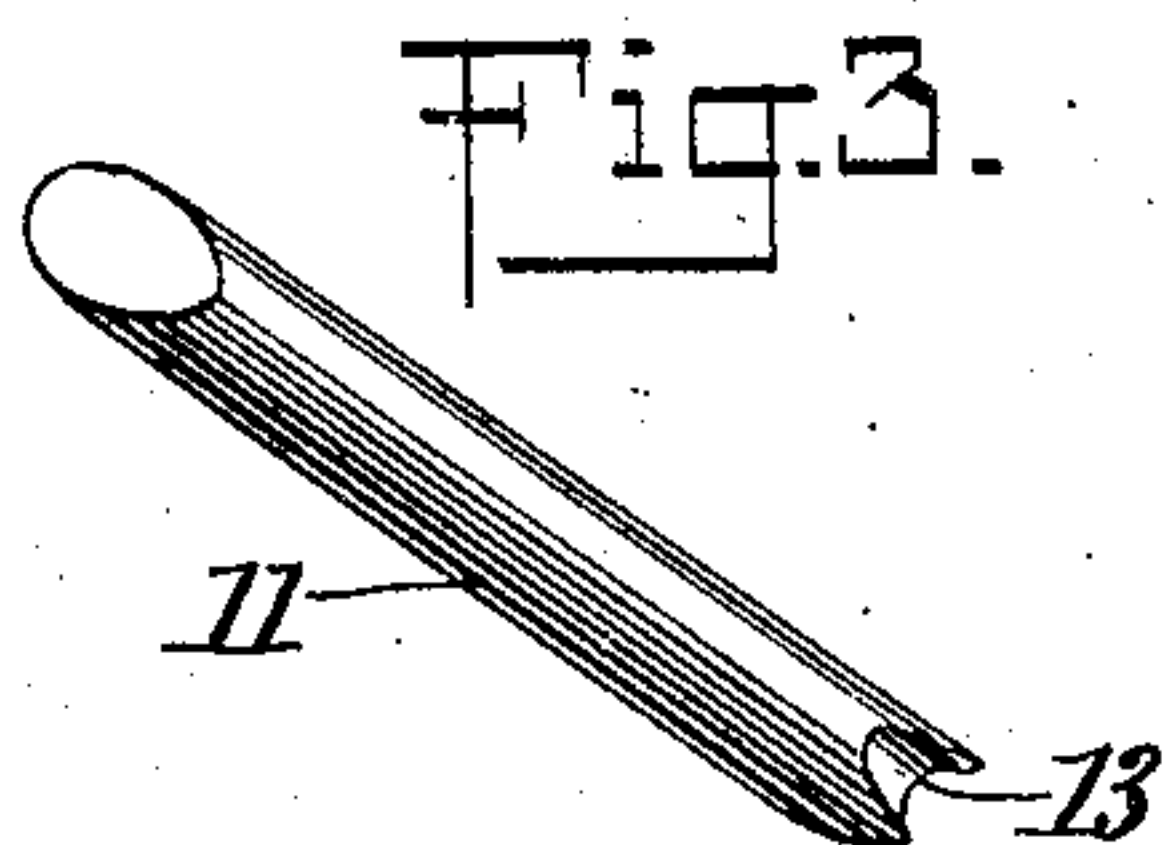
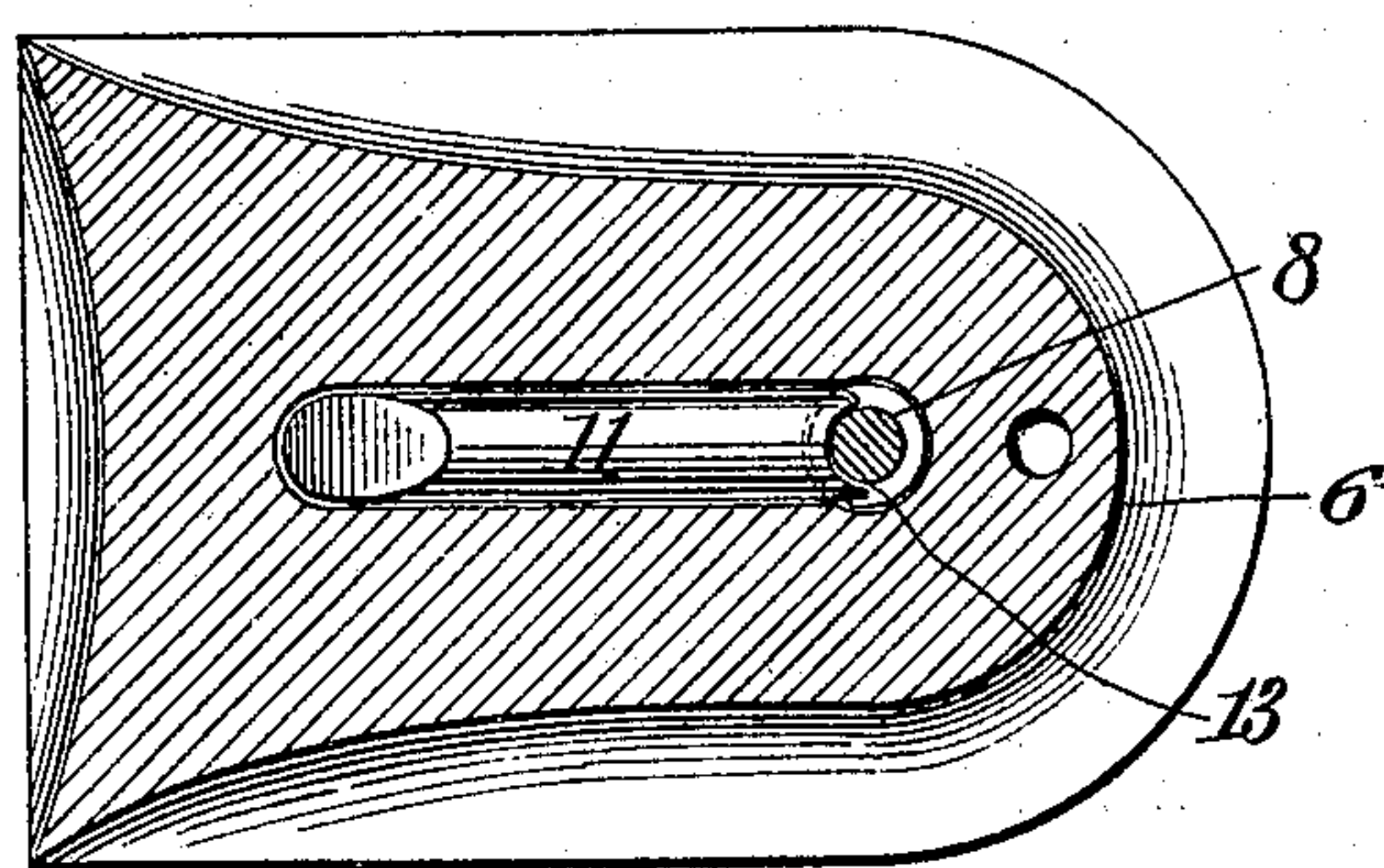
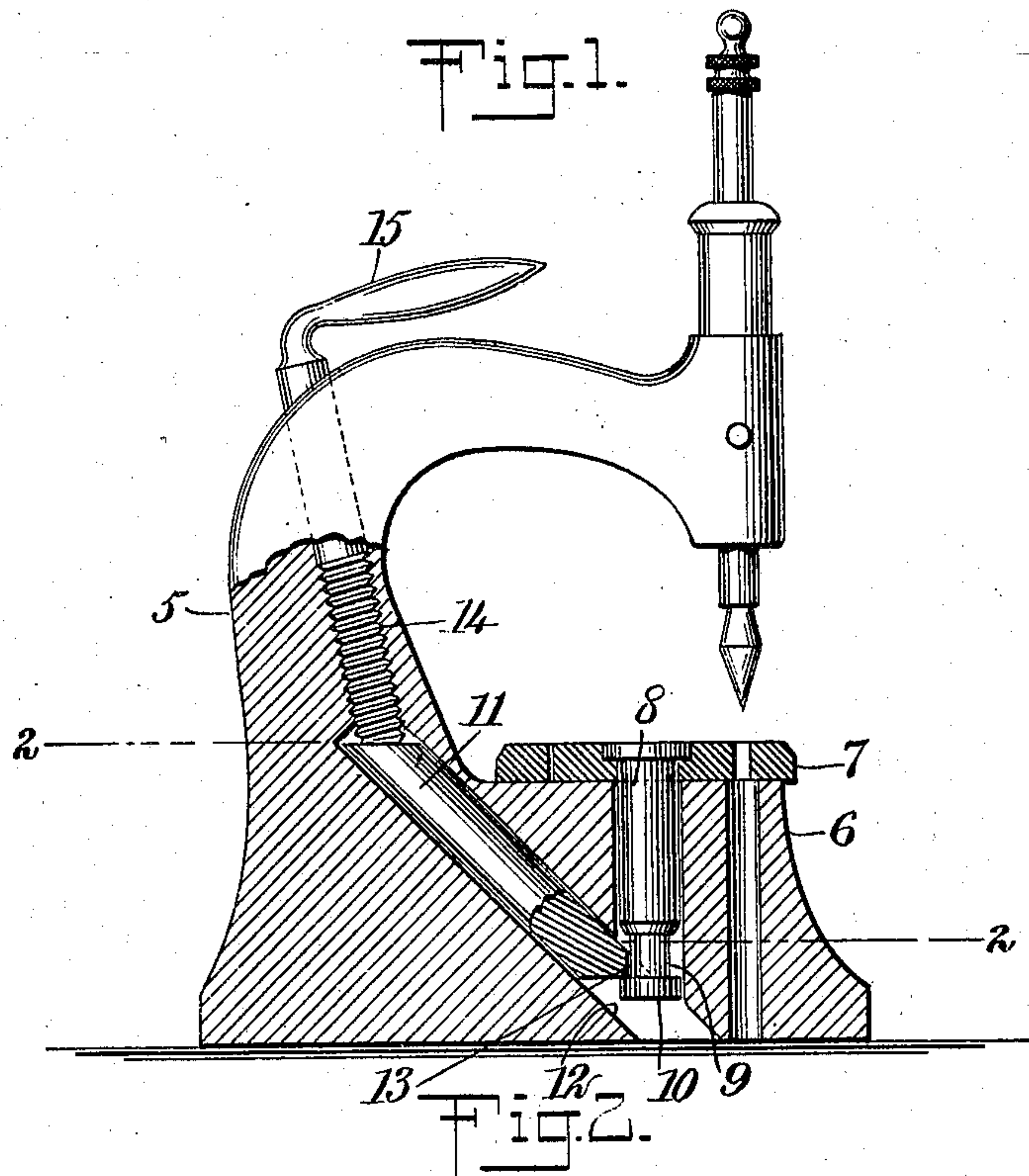


No. 858,876.

PATENTED JULY 2, 1907.

A. S. KOCH.
STAKING TOOL.
APPLICATION FILED JAN. 22, 1907.



WITNESSES

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UNITED STATES PATENT OFFICE.

ALFRED S. KOCH, OF LANCASTER, PENNSYLVANIA.

STAKING-TOOL.

No. 858,876.

Specification of Letters Patent.

Patented July 2, 1907.

Application filed January 22, 1907. Serial No. 353,435.

To all whom it may concern:

Be it known that I, ALFRED S. KOCH, a citizen of the United States, and a resident of Lancaster, in the county of Lancaster and State of Pennsylvania, have invented a new and improved Staking-Tool, of which the following is a full, clear, and exact description.

This invention relates to improvements in staking tools used by watch makers. In the usual construction of staking tools the die is held as adjusted by means of an eccentric or cam mechanism, but such construction is objectionable inasmuch as by hammer impulses the cam becomes loose and consequently the die is permitted to tilt and move out of adjustment.

It is the object of my invention to provide a simple and novel means for rigidly holding the die as adjusted and from any possible tilting motion.

I will describe a staking tool embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional elevation of a staking tool embodying my invention; Fig. 2 is a section on the line 2—2 of Fig. 1; and Fig. 3 shows the locking rod employed.

In the drawings, 5 designates the frame of the tool on the base 6 of which is the usual rotary die 7. The die is mounted on a spindle 8 which extends downward through an opening in the base and at its lower end the spindle is reduced, as indicated at 9, to form a head 10 with which the locking rod 11 is designed to engage. The locking rod is movable in an opening 12 formed in the base at a downward and forward angle and the lower end of the rod is bifurcated as indicated at 13 to receive the reduced portion 9 of the spindle and to bear upon a portion of the head 10 at the upper side. The

upper end of the locking rod is beveled with relation to the body portion to form a horizontal surface designed to be engaged by the clamping screw rod 14 which engages in a tapped hole in the frame, and the rod is provided at its outer end with a crank handle 15.

In the operation, to adjust the die the screw rod is to be turned down causing the locking rod to force the die directly down upon the bed of the frame. As the pressure is at the center of the die, it is obvious that all portions of the under side of said die will engage with the bed. Upon releasing the screw rod pressure, the die may be readily rotated to any position desired.

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

1. A staking tool comprising a frame, a die, a spindle extended from the die into the bed of the frame and having a head portion at its lower end, a locking rod slidably mounted in the bed of the frame and adapted to engage with one end of the said head, and a screw rod engaging with the other end of the locking rod to move the same endwise.

2. A staking tool comprising a frame, a die, a spindle on which the die is mounted, the said spindle being extended into the base of the frame and having a head portion, a locking rod movable in the base portion of the frame at a downward and forward angle and adapted for engagement with said head, and a device for forcing said locking rod endwise.

3. A staking tool comprising a frame, a die, a spindle on which the die is mounted, said spindle being extended into the base of the frame and having a reduced lower portion terminating in a head, a locking rod movable in the base of the frame and having a bifurcated end for receiving said reduced portion and engaging with said head, and a screw rod operating in the frame for engagement with the opposite end of said locking rod.

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

ALFRED S. KOCH.

Witnesses:

S. B. MOORE,
L. C. KOCH.