

(No Model.)

J. WILSON, Sr.

DIE HOLDER AND DIE FOR MAKING STAMP SHOES.

No. 481,087.

Patented Aug. 16, 1892.

Fig. I,

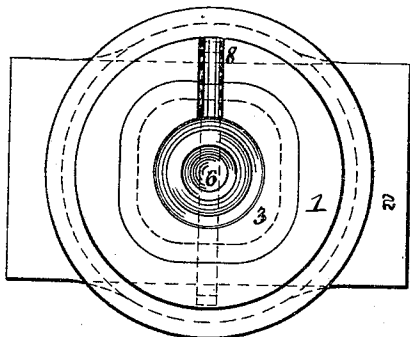


Fig. III,

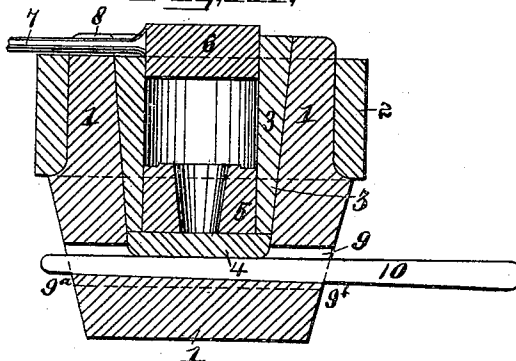


Fig. II,

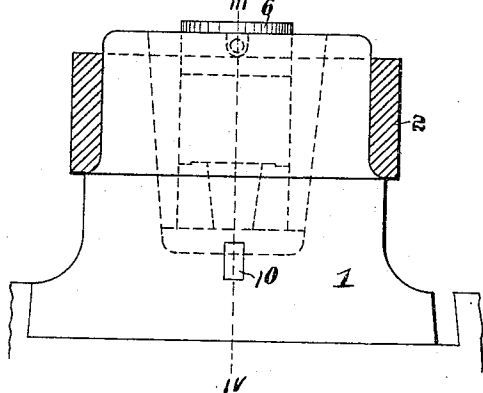


Fig. IV,

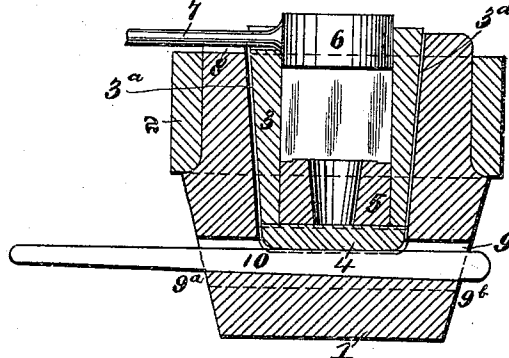


Fig. V,

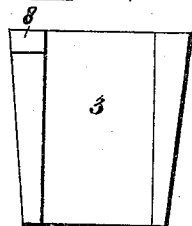
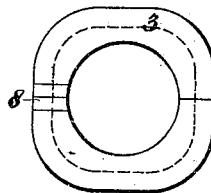


Fig. VI,



Attest

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UNITED STATES PATENT OFFICE.

JOHN WILSON, SR., OF EAST ST. LOUIS, ILLINOIS.

DIE-HOLDER AND DIE FOR MAKING STAMP-SHOES.

SPECIFICATION forming part of Letters Patent No. 481,087, dated August 16, 1892.

Application filed October 22, 1891. Serial No. 409,525. (No model.)

To all whom it may concern:

Be it known that I, JOHN WILSON, Sr., of East St. Louis, in the county of St. Clair and State of Illinois, have invented a certain new and useful Improvement in Die-Holders and Dies, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to die-holders for drop-forging for making stamp-shoes, dies, or articles of a similar character; and my invention consists of features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is a top or plan view illustrative of my invention. Fig. II is a side elevation, the strengthening-band surrounding the die-holder being shown in section. Fig. III is a section taken on line III IV, Fig. II, and in which the parts are shown in position for receiving a billet of metal to be forged. The follower, however, would have to be lifted out before the billet could be inserted. Fig. IV is a section taken on line III IV, Fig. II, and in which the parts are shown in the position they assume when loosened after an article has been forged. Fig. V is a side elevation of one part of the sectional die. Fig. VI is a top view of the die.

In the drawings, 1 represents the die-holder, and 2 is a strengthening-band, preferably made of wrought-iron, that surrounds the upper portion of the holder. The holder has a tapering opening 3^a, largest at its upper end.

3 represents the die, which is made in two sections. The outer surface of the die tapers from top to bottom, which taper corresponds to the taper-opening in the holder, in which the die has its seat. Fitting against the lower end of the die is a plate 4, and resting upon this plate is a block 5, having the usual central opening.

6 represents a follower adapted to fit the opening of the die and provided with a handle 7, which fits in a notch 8 in the upper end of the die. The follower is adapted, as stated, to fit in the opening in the die and the force, it will be understood, is applied on the upper face of the follower.

9 is a slot extending entirely through the holder, the lower side or wall of which tapers from the side 9^a to the side 9^b.

10 is a wedge, the lower edge of which tapers to correspond with the taper of the slot 9, and the upper edge of which may be straight. This wedge, when the article being produced is being forged, is in the position shown in Fig. III and in which the die is firm in the holder. After the forging is completed the wedge is driven in until it is in the position shown in Fig. IV, thereby loosening the die from the holder, and the follower being removed the two parts of the die 3 will fall apart and the forging may be removed by tongs or other suitable means.

I claim as my invention—

1. The combination of a sectional tapering die, a slotted holder for the die, a wedge fitting in the slot of the holder for removing the die, a plate resting against the under side of the die, a block within the die, and a follower adapted to fit in the upper end of the die, substantially as and for the purpose set forth.

2. The combination of a sectional tapering die, a slotted holder for the die, a wedge for removing the die from the holder, a block within the die, and a follower adapted to fit in the die, substantially as and for the purpose set forth.

JOHN WILSON, SR.

In presence of—

A. M. EBERSOLE,
E. S. KNIGHT.