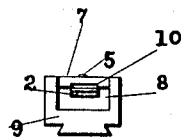
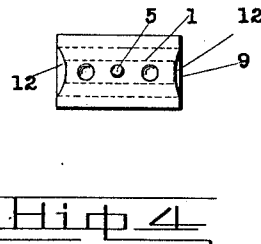
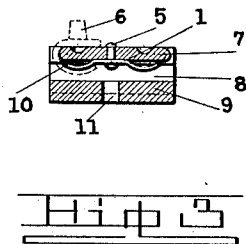
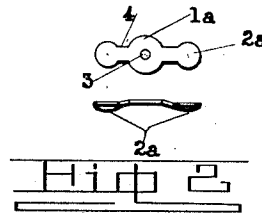
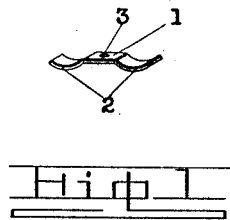


P. BAMMER.
 ANVIL FOR HOOK SETTING MACHINES.
 APPLICATION FILED AUG. 21, 1911.

1,035,141.

Patented Aug. 13, 1912.



Witnesses;
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UNITED STATES PATENT OFFICE.

PIUS BAMMER, OF ASHLAND, OREGON.

ANVIL FOR HOOK-SETTING MACHINES.

1,035,141.

Specification of Letters Patent.

Patented Aug. 13, 1912.

Application filed August 21, 1911. Serial No. 645,230.

To all whom it may concern:

Be it known that I, PIUS BAMMER, a citizen of Germany, (who has declared his intention to become a citizen of the United States,) residing at Ashland, in the county of Jackson and State of Oregon, have invented certain new and useful Improvements in Anvils for Hook-Setting Machines, of which the following is a specification.

This invention relates to an improvement in anvils for hook setting machines, and has for its object to provide an anvil having mechanical means for retaining the hook in place on the anvil. I accomplish this object by the mechanism illustrated in the accompanying drawing, in which—

Figure 1 is a perspective view of a spring for engaging the hook. Fig. 2 shows a top and an end view of a modified form of spring. Fig. 3 is a longitudinal sectional elevation of the anvil showing the spring in place. Fig. 4 is a top view of Fig. 3. Fig. 5 is an end view of Fig. 3.

Similar reference characters indicate similar parts in each view.

In the drawing, 9 represents an anvil used in setting shoe hooks, in which there is formed a longitudinal aperture 8. The upper portion 7 of the anvil is recessed at each end, at 12, in which the hooks are placed for setting.

In the lower face of the portion 7, of the anvil, is formed a longitudinal groove 10, to receive the spring 1. The median portion of the spring is flat and is provided with an aperture 3 to receive the rivet 5, by means of which it is secured in a central aperture in the portion 7 of the anvil. The spring has a downward curve 2 near each outer end, the extremities rising within the groove 10 to a height which will permit the hook 6 to clear the end and pass over the curve 2, when being placed in position on the anvil. When the hook is forced into place the spring will be pressed up into the groove 10 and as the hook is forced home the curve 2 will return into the curved upper portion or cap of the hook, with which it is made to conform. The resiliency of the spring holds the curve 2 within the

top of the hook and thereby retains it in position under all ordinary conditions. In this manner the hook will be made to stand in position when being set without the need of being held by the hand of the operator.

A modified form of spring is shown in Fig. 2 in which the central portion is enlarged at 1^a, to add strength in that portion where the spring is engaged with the anvil. The neck 4 adjacent the central base may be reduced to the desired strength so that it will yield readily and yet will have sufficient force to serve its purpose. The extremities are made in the shape of a segment of a sphere, as shown at 2^a, so that they will fit the similarly formed cap of the hook.

In the base of the anvil is provided a vertical aperture 11, through which the rivet 5 is inserted and by means of which the spring is secured in the anvil.

Having described my invention so that others skilled in the art to which it pertains may make and use the same, what I claim as new and desire to secure by Letters Patent, is—

1. A device for setting shoe hooks, comprising an anvil having therein a longitudinal aperture, and a spring secured by an intermediate point upon the lower face of the upper portion, each end of said spring being adapted to be engaged by the cap of a hook, when seated in position on the anvil.

2. A device for setting shoe hooks, comprising an anvil, and a spring secured by an intermediate point thereon, the free ends of the spring being adapted to be embraced by the cap of a hook when it is seated in position on the anvil, for retaining the hook thereon.

3. In a device of the character described, an anvil provided with a longitudinal aperture and a longitudinal groove in the lower face of the upper portion, and a spring secured by an intermediate point to the lower face of said upper portion, the ends of the spring being bowed downwardly and terminating in said groove.

4. In a device of the character described, an anvil provided with a longitudinal aperture and a longitudinal groove in the lower

face of the upper portion, a spring secured
by an intermediate point to the lower face
of said upper portion the ends of which
are made to conform to the cap of a hook
5 by which they are adapted to be engaged,
and means for securing the spring to the
anvil.

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

PIUS BAMMER.

Witnesses:

L. G. VAN BELLEN,
M. E. BRIGGS.
