

No. 819,921.

PATENTED MAY 8, 1906.

H. C. POMEROY.
HOOK AND EYELET SETTING MACHINE.
APPLICATION FILED JUNE 19, 1905.

Fig. 1.

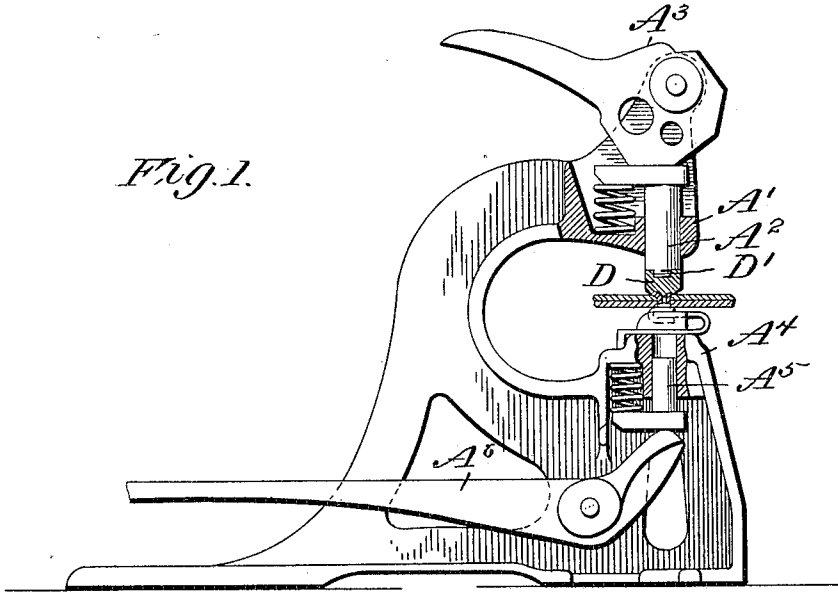


Fig. 2.

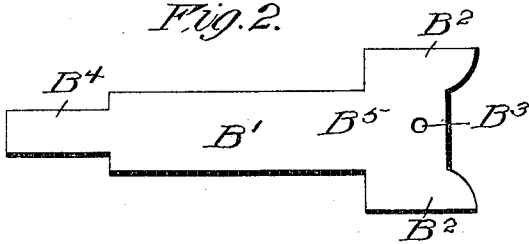


Fig. 3.

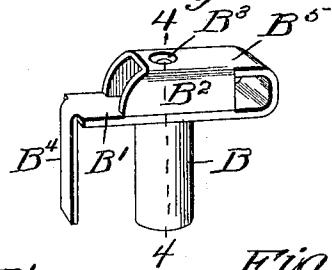


Fig. 4.

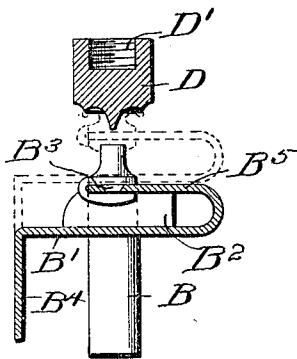
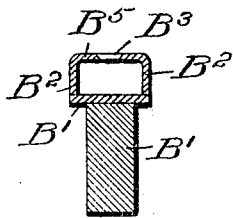
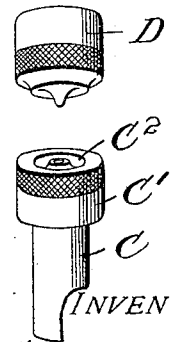


Fig. 6.



WITNESSES:

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Fig. 5

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HENRY C. POMEROY, OF CHICAGO, ILLINOIS.

HOOK AND EYELET SETTING MACHINE.

No. 819,921.

Specification of Letters Patent.

Patented May 8, 1906.

Application filed June 19, 1905. Serial No. 266,021.

To all whom it may concern:

Be it known that I, HENRY C. POMEROY, a citizen of the United States, residing at Chicago, in the county of Cook, State of Illinois, have invented certain new and useful Improvements in Hook and Eyelet Setting Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a combined hook and eyelet setting machine, and particularly to an anvil and holder or pocket used in connection therewith.

The invention has for an object to provide an improved construction of lacing-hook holder adapted to be formed from a blank of sheet material bent into gooseneck form with its free end supported by depending flanges resting upon the base-plate, said plate being also provided with a holder to retain the same against rotary motion.

Other and further objects and advantages of the invention will be hereinafter set forth and the novel features thereof defined by the appended claims.

In the drawings, Figure 1 is a side elevation with parts in section, showing a lacing-hook holder in position for use; Fig. 2, a plan of the blank from which the lacing-hook holder is constructed; Fig. 3, a detail perspective of this holder; Fig. 4, a vertical section on the line 4 4 of Fig. 3; Fig. 5, a longitudinal section of the lacing-hook holder, showing in dotted lines the position of parts when the eyelet of the hook is set; and Fig. 6 a detail perspective of the removable anvil and the eyelet-holder separated therefrom.

Like letters of reference refer to like parts in the several figures of the drawings.

The invention is intended and adapted for use in connection with any suitable construction of riveting or eyeleting machine, but is here illustrated in connection with a machine of this character such as disclosed in my United States Patent No. 699,707 of May 13, 1902. In this illustration the frame A is provided with the usual head A', adapted to carry the anvil-plunger A², which is adjusted in position by means of the adjusting device A³, mounted in the head, while the base of the machine is provided with an apertured face-block A⁴, through which the setting-plunger A⁵ passes, this plunger being operated in the usual manner by means of the lever A⁶, pivoted in the base, as shown in Fig. 1. The setting-plunger A⁵ is not of sufficient length to

extend above the face A⁴, but contacts with the post B, carried by the hook-holder, or the post C, carried by the eyelet-holder, which practically form a continuation of this plunger while they prevent lateral movement of these holders.

The hook-holder comprises a base-plate B', disposed in a horizontal position upon the post B and suitably secured thereto—for instance, by riveting. One end of this plate is bent over the base to form a head or gooseneck portion B⁵, which is provided at opposite sides with downwardly-bent flanges B², resting upon the base and forming an arch or bridge beneath which the hook portion of the lacing-hook is adapted to pass, while the eyelet portion rests upon the upper face of the portion B⁵ above the setting-socket B³ therein. At the opposite end of the base B' a depending plate or arm B⁴ extends parallel to the post B and is adapted to engage the wall of the face-block A⁴ to prevent rotary movement of the holder during its use. This holder is adapted to cooperate with the anvil D, carried by the plunger A², said anvil being adapted for use either with the hook-holder just described or with the eyelet-holder C', carried by the post C and provided with the usual setting-face C². This anvil is removably secured to its plunger by means of a threaded connection D' (shown in Fig. 1) and can therefore be readily detached when it is desired to change the character thereof or when necessary for repairs.

In the operation of the invention it will be seen that the anvil is set at the desired distance from the operating-plunger by means of the adjusting device to accommodate itself for the length of rivet or eyelet to be set in different thicknesses of material. Either of the holders is then placed in position upon the operating-plunger, and when forced upward the eyelet carried thereby is brought into contact with the anvil D, and thus set. The hook-holder herein disclosed presents a construction adapted to be formed of sheet material, and thus avoiding the use of cast metal liable to fracture under strain or the necessity of recessing a solid block to receive the lacing-hook carried by the holder. The depending flanges from the gooseneck portion of the holder form a rigid and firm support, while the post and depending arm parallel thereto effectually retain the holder against any lateral or rotary movement after its insertion in position, while permitting the

necessary reciprocation thereof in setting the eyelets.

Having described my invention and set forth its merits, what I claim, and desire to secure by Letters Patent, is—

1. A blank for a lacing-hook holder comprising a body portion with parallel edges, and lateral extensions at one free end thereof adapted to form side walls bent at an angle to the body thereof.

2. In a machine of the class described, a face-block, a lacing-hook holder comprising a base-plate having one end thereof bent into a plane parallel with the base-plate, depending walls extending from said bent portion at opposite sides and resting upon the base-plate, a post disposed centrally of said base-plate and entering said block, and a depend-

ing arm extending from one end of said plate parallel to one face of said block.

3. In a machine of the class described, a lacing-hook holder comprising a base-plate having one end thereof bent into a plane parallel with the base-plate, depending walls extending from said bent portion at opposite sides and resting upon the base-plate, a post disposed centrally of said base-plate, and a depending arm extending from one end of said plate parallel to said post.

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

HENRY C. POMEROY.

Witnesses:

BLANCHE L. LEE,
JOHN C. BREWER.