

(No Model.)

C. K. WOLF.
MACHINE FOR CRIMPING WIRE FENCE STAYS.
No. 604,647. Patented May 24, 1898.

Fig. 1.

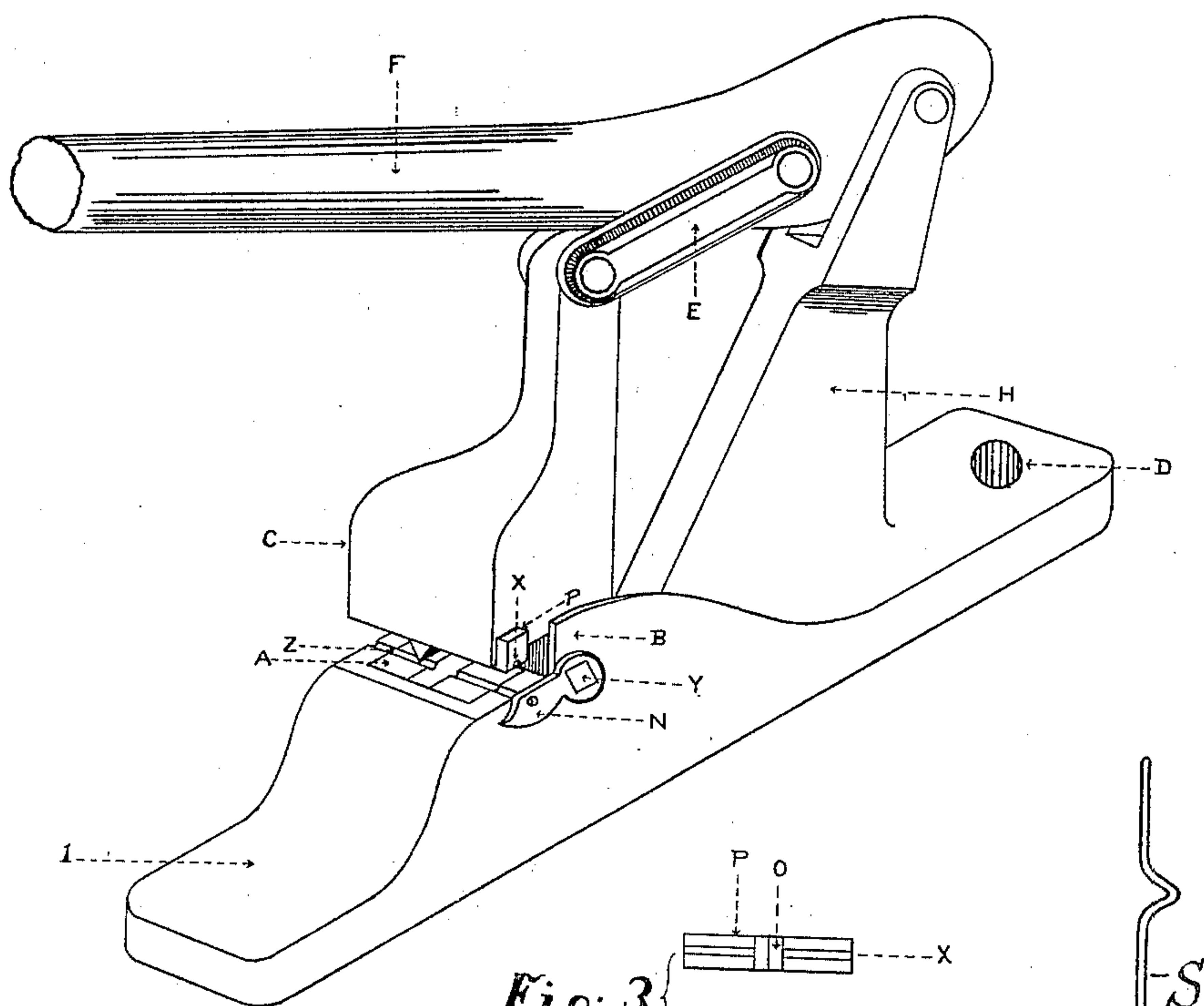


Fig. 3.

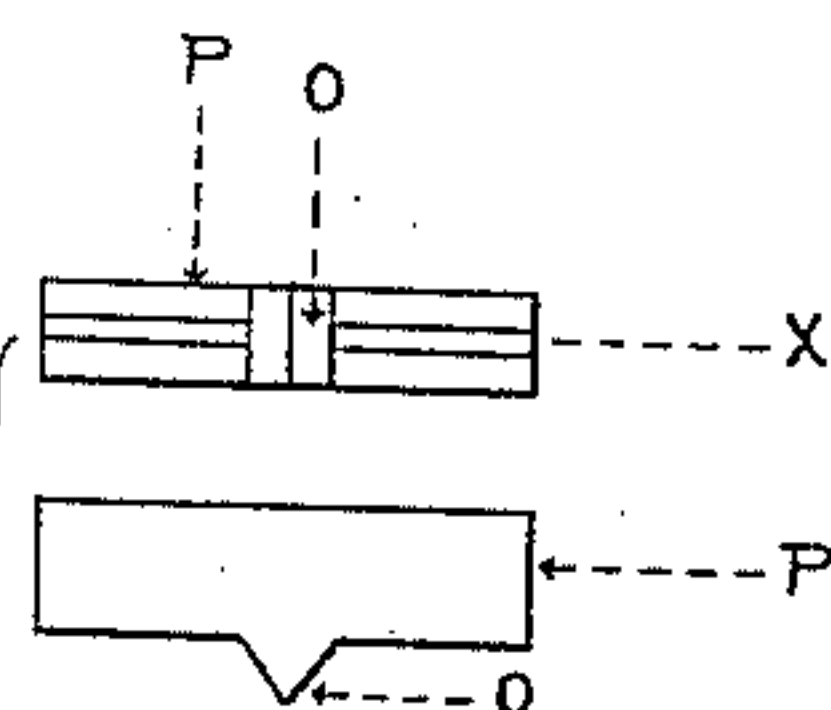


Fig. 4.

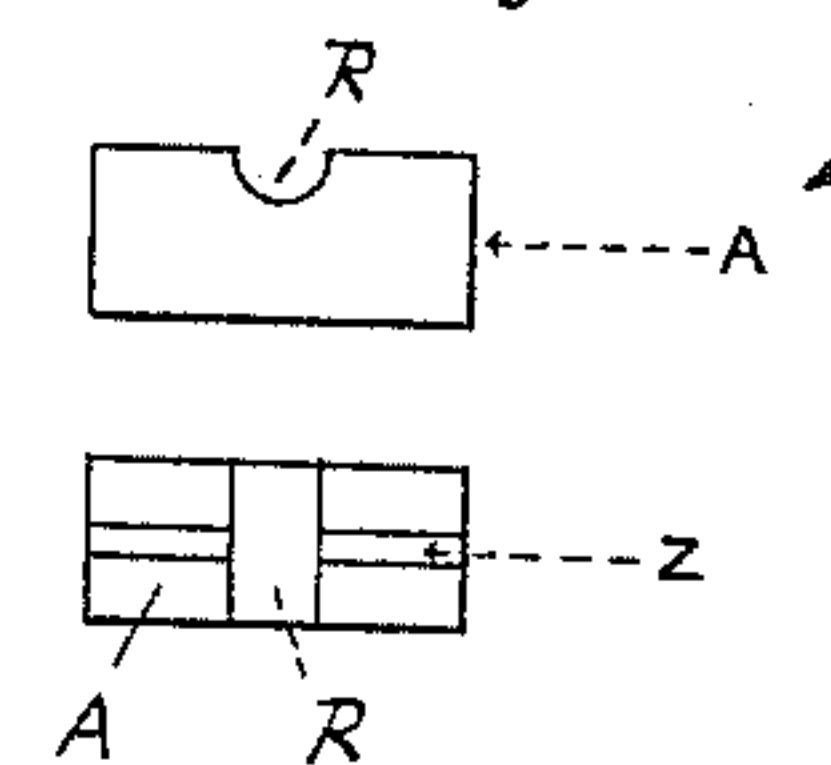


Fig. 2.



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CHARLES K. WOLF, OF XENIA, OHIO.

MACHINE FOR CRIMPING WIRE-FENCE STAYS.

SPECIFICATION forming part of Letters Patent No. 604,647, dated May 24, 1898.

Application filed May 29, 1897. Serial No. 638,700. (No model.)

To all whom it may concern:

Be it known that I, CHARLES K. WOLF, a citizen of the United States, and a resident of Xenia, in the county of Greene and State of Ohio, have invented certain new and useful Improvements in Machines for Crimping Wire-Fence Stays; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

In the said drawings Figure 1 is a perspective view of the machine. Fig. 2 represents a piece of wire after it has been crimped by the machine. Fig. 3 shows two views of the male die, and Fig. 4 shows two views of the female die.

In the said drawings the reference-numeral 1 designates a base or casting formed with an aperture D for the passage of a screw or nail for fastening it to a table or other object. Formed upon the upper side of this casting is an upwardly-projecting portion having a transverse semicylindrical groove in which the wire being crimped rests, and also having a female die A in such projecting portion with a corresponding and registering semicylindrical groove Z.

On the upwardly-projecting portion of base 1 are formed lugs B at each side, between which is pivoted a hammer C, provided at its lower end with a male die P, having a projection O, registering with a semicylindrical cross-groove R in the female die A. Pivoted to the upper end of the said hammer C is a link E, also pivoted to a lever F near one end of the latter. This lever is also pivoted to the upper end of a standard H, preferably formed integral with the casting or base 1. At the end of the lower pivot of the hammer C is fastened a guide N, having a hole through which the wire passes before being crimped.

The operation is as follows: The stay to be crimped is placed through the hole of the guide N and passed between the male and female dies. The lever is then forced down-

ward, depressing the hammer, and through the medium of the dies bending or crimping the wire stay S, as shown in Fig. 2. While the wire is being crimped, it rests in the semicylindrical groove Z of the female die A. It will also be noticed that there is a corresponding semicylindrical groove X in the male die P.

The square part (marked Y in Fig. 1) is the head of the pivot which connects the hammer C with the base 1.

By reason of the peculiar construction and arrangement of the lever, link, and hammer great pressure will be exerted upon the male die, so that the bends or crimps can be readily formed.

Having thus described my invention, what I claim is—

1. In a machine for crimping wire-fence stays, the combination with the casting or base 1, the projection extending from the upper side of said base forming a boxing in which is placed the female die A, the hammer fastened to the top of said projection and working pivotally thereon and being provided on its under side with a male die P, the link E connecting said hammer with the lever F pivoted to the upright H on the base, substantially as described and shown.

2. In a machine for crimping wire-fence stays, the combination with the base or casting formed with a projection on its upper side, and with a lug at the side, of the hammer having a male die at its lower end, the stud or pivot at the side of the hammer and engaging said lug, the upright formed integral with said casting, the lever pivoted thereto, the link pivotally connecting said lever and hammer, and the guide N, substantially as described and shown.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in the presence of two witnesses.

CHARLES K. WOLF.

In presence of—

FLEMING PATTON,
W. L. MILLER.