P. FISCHER.

Crimping Apparatus for Boots and Shoes.

No. 196,079.. Patented Oct. 16, 1877.

Fig 1.

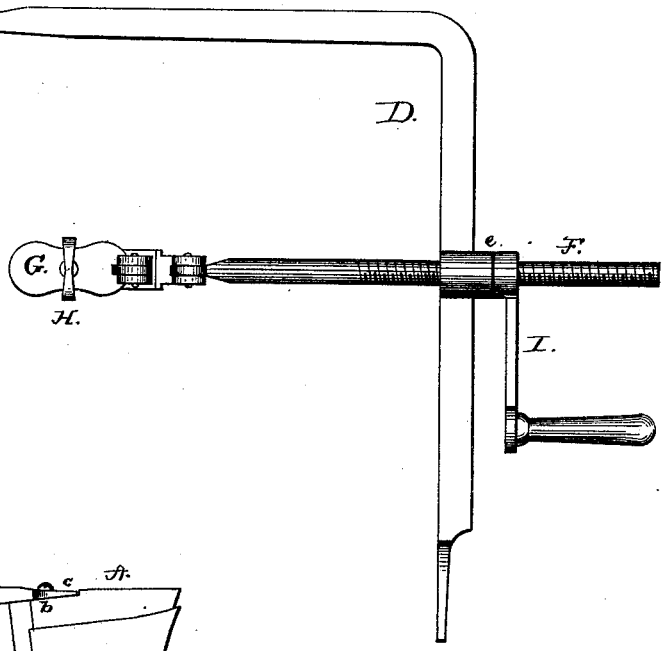


Fig. 2.

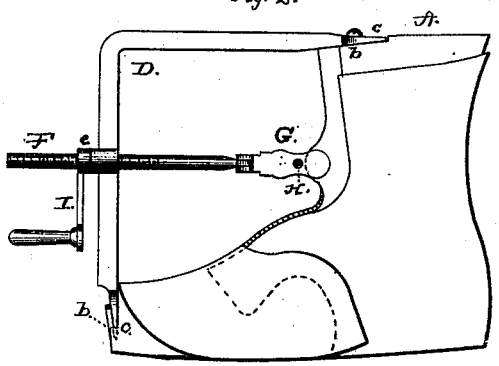
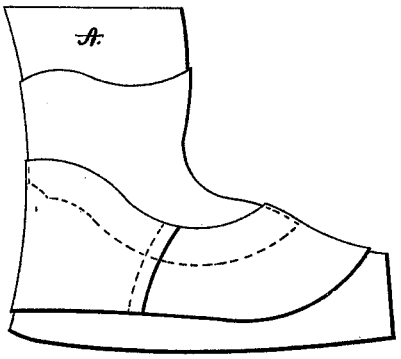


Fig 3.



WITNESSES

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IMPROVEMENT IN CRIMPING APPARATUS FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. **196,079**, dated October 16, 1877; application filed September 20, 1877.

To all whom it may concern:

Be it known that I, PHILIPP FISCHER, of the city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Crimping-Tools; and I do hereby declare that the following is a full, clear, and exact description thereof, 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, and to letters of reference marked thereon, which form a part of this specification.

This invention has relation to crimping-tools; and the novelty consists in the combination of a crimping-block and a crimping iron or frame, arranged in the manner as will be hereinafter more fully set forth, and pointed out in the claim.

The old style of crimping-iron is attached to the instep of the boot or shoe, and stretches only the front part of the boot or shoe. By my improved device I crimp the back part as well as the front part of the boot or shoe. In fact, it crimps the whole of the boot or shoe at one and the same time.

In the accompanying drawings, Figure 1 represents a side view of the crimping-iron. Fig. 2 shows the crimping-iron attached to the crimping-block in action.

The letter A represents a wooden crimping-block, having the outlines of a shoe or gaiter. To the upper forward portion of the toe and the leg or ankle portion are formed notches or recesses *b*, or their equivalents, to receive the forked ends *c* of a right-angled or L-shaped metallic frame, D.

The metallic frame D, when fastened in position to the crimping-block, extends outwardly in front of the block, as shown in Fig. 1 of the drawings, and is provided with a screw-threaded socket, *e*, to receive the screw-threaded rod F. This rod F is provided with a clincher, G, jointed so as to have free play. This clincher G consists of two hinged or jointed plates, with their inner faces serrated and provided with a set-screw, H, thereby forming clamping-jaws, for the purpose hereinafter described. The outer end of the screw-rod is provided with an adjusting crank or nut, I. The forked ends of the metallic frame may be plain and flat, and fastened to the ends of the block by means of screws; also, other changes in the construction may be made without departing from the spirit of the invention.

The mode of operating the crimping-tool: The leather, after being cut to the required size and shape, is soaked in water. Then the button-fly is fastened to the crimping-block with a few small tacks, and the other part is brought properly around the block, when the clamping-jaws are applied to the button-flap of the leg. This done, the screw-rod and adjusting-crank will be brought in action sufficiently to stretch the leg portion to give it the desired shape. Care must be taken to get the leg in proper place on the block, as indicated by the corresponding parts of the shoe, gaiter, or boot, as shown in Figs. 2 and 3.

The leather so applied will be left on the crimping-block to dry completely. When dry and taken off it will have the exact shape desired.

These crimping-tools are more especially designed for the shoes and boots shown in my recent patents.

What I claim as my invention, and desire to secure by Letters Patent, is—

In combination with a crimping-block, a metallic frame, D, adapted to be attached to the ankle and toe portions of the block, and provided with an adjusting-screw and clamping-jaws, substantially as and for the purpose set forth.

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

PHILIPP FISCHER.

Witnesses:
GEO. A. LANGBEIN,
NAT. E. OLIPHANT.