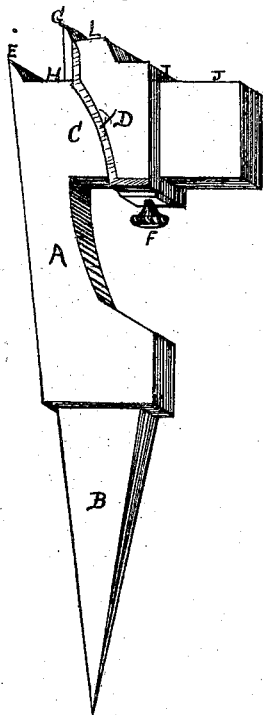


*Lyman & Wyman,*  
*Shoemakers Tool.*

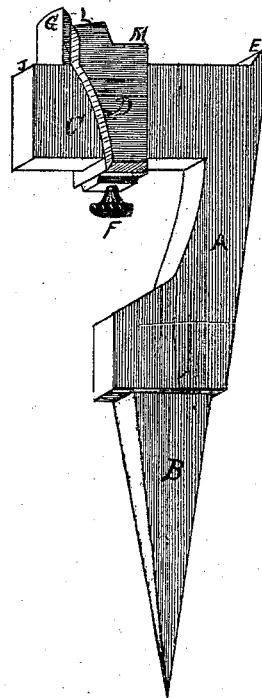
*No. 110,987.*

*Patented Jan. 17. 1871.*

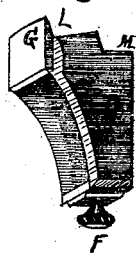
**Fig. 1.**



**Fig. 2.**



**Fig. 3.**



WITNESSES.

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# United States Patent Office.

MYRON W. LYMAN AND FRANKLIN C. WYMAN, OF CHICAGO, ILLINOIS.

Letters Patent, No. 110,987, dated January 17, 1871; antedated January 14, 1871.

## IMPROVEMENT IN SHOEMAKERS' TOOLS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that we, MYRON W. LYMAN and FRANKLIN C. WYMAN, of Chicago, in the county of Cook and State of Illinois, have invented new and improved Fore-part or Edge-Irons for Shoemakers; and we do hereby declare the following to be a full, clear, and exact description thereof, which will enable others skilled in the art to which our invention appertains to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figures 1 and 2 are perspective views of the tools, showing the reversible cap adjusted for use in reverse position upon the shank.

Figure 3 is a perspective view of the adjustable cap detached from the shank.

Similar letters of reference indicate corresponding parts in the several figures of the drawing.

Our invention has for its object to do away with the large number of different tools used by shoemakers in finishing the edges of boots and shoes, and to provide a simple device capable of adjustment to accommodate the different surfaces to be finished.

In the accompanying drawing—

A is the shank of the tool, recessed upon one side, as shown, and provided with a tang, B, by which it is attached to a suitable handle.

C is a lateral arm, formed at right angles upon the shank A to receive the adjustable cap D, and is provided at one edge with a beveled flange or guard, E.

The cap D is constructed with a series of shoulders upon its working face, and is locked in any desired position upon the arm C by means of the set-screw F.

When the cap is applied to the lateral arm in the position shown in fig. 1, a double-guard iron is formed, for sewed or pegged work, by means of the guard E upon the arm and the guard G upon the cap, the former working between the upper-leather and the top of the sole, and the latter against the bottom of the sole, while the surface H bears against the edge of the sole in the usual manner.

By adjusting the cap the double-guard iron is applicable to soles of any thickness.

For single guard or jigger-irons the tool is used with the surface I of the cap, forming the guard to bear against the bottom of the sole, while the face J

of the lateral arm forms the rubbing surface. The latter is increased or diminished for adaptation to soles of varying thickness by adjusting the cap, as previously mentioned.

The reversed position of the cap upon the arm, shown in fig. 2, produces all sizes of single guard or jigger-irons, with a deeper guard, G, upon the surface J than that shown at I in fig. 1.

L is a shank-iron formed upon the cap between the guard G and portion M. This shank-iron forms a separate tool, and is not intended to be used with the portion M, and forms no part of the "edge-iron," so called.

The parts L and M are separate tools, but are both constructed upon the cap, so that the whole range of sole-irons shall be embraced in one instrument.

When the portion M is adjusted with relation to the guard E, as shown in fig. 2, it forms a tool for Napoleon taps upon boots and shoes, independently of the shank-iron L.

By our invention we are enabled to produce upon a single shank all the range of tools used by shoemakers in finishing the edges of boots and shoes from heel to toe.

The device is simple in construction, easily adjusted, and supplies the place of from forty to sixty different sized irons and tools as they are known and numbered for the trade.

We are aware that edge-irons for boots and shoes have heretofore been formed with an adjustable cap for adaptation to the edges of boot and shoe-soles; and we therefore do not claim the adjustable cap; but

Having described our invention,

What we claim as new, and desire to secure by Letters Patent, is—

The fore-part or edge-irons, when the adjustable and reversible cap is formed with a shank-iron, L, in addition to the guard G, and shoulder M, as herein shown and described.

MYRON W. LYMAN.  
FRANKLIN C. WYMAN.

Witnesses:

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HENRY S. BINGHAM.