(No Model.)

J. FROSSARD.

LASTING TOOL.

No. 306,736. Patented Oct. 21, 1884.

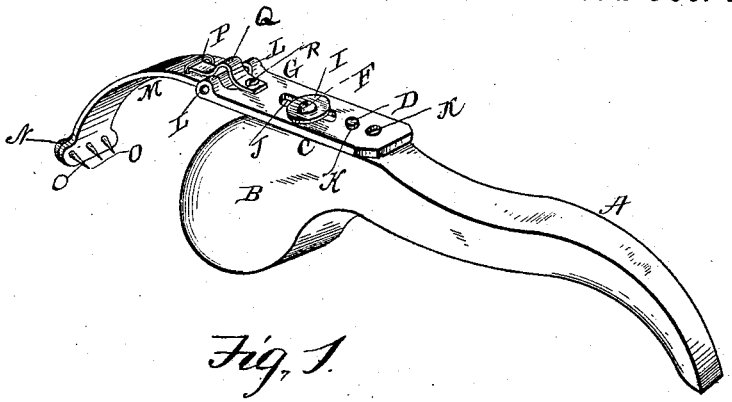

Fig. 1.

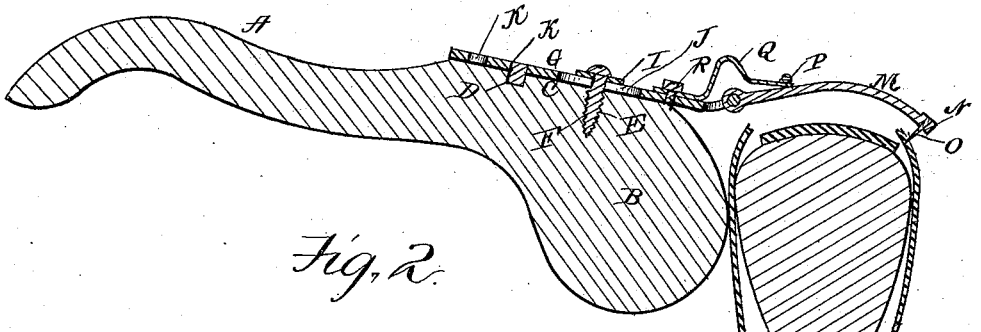

Fig. 2.

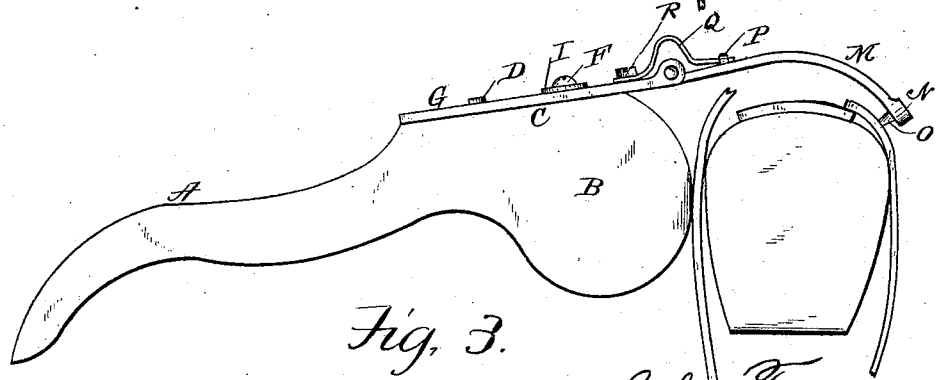

Fig. 3.

WITNESSES

C. M. Washiell

E. G. Siggers.

John Frossard.

INVENTOR

By, C. A. Snow & Co

Attorney

UNITED STATES PATENT OFFICE.

JOHN FROSSARD, OF EAST PEPPERELL, MASSACHUSETTS.

LASTING-TOOL.

SPECIFICATION forming part of Letters Patent No. 306,736, dated October 21, 1884.

Application filed July 31, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN FROSSARD, a citizen of the United States, residing at East Pepperell, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Lasting-Tools, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to lasting-tools for drawing in the shanks of boots and shoes when lasting them. It has for its object to provide a tool of the class referred to that shall possess superior advantages in point of simplicity, durability, and general efficiency; and the invention consists in the construction and novel arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings, Figure 1 is a view in perspective of a lasting-tool embodying my improvements. Fig. 2 is a sectional view of a shoe, showing the position of the tool before the upper is drawn over the inner sole; and Fig. 3 is a view showing the upper drawn over one side of the inner sole, the tool being yet in place.

Referring by letter to the accompanying drawings, A designates the handle of the tool, which is provided with a cam-head, B, having vertical sides and a plain upper edge at C. The plain portion C is provided with a short stud, D, and a screw-hole, E, for the securing-screw F. The shank-plate G of the tool is removably secured to the plain upper edge of the cam-head B by a screw, F, which is provided with a washer, I, through which the screw F is passed before being turned through the elongated slot J in the shank-plate G into the screw-hole E in the cam-head B. The shank-plate G is provided with two or more holes, K, for the short stud D, which stud may also occupy the rear end of the elongated slot J to form one of its adjustments. The adjustments are designed to adapt the tool to boots and shoes of different sizes, and are made by removing the screw F, lifting the shank-plate G from the stud D, and replacing the shank-plate by passing the stud through another of the holes K or through the elongated slot J, as may be necessary. The shank-plate G is provided with lugs L L at its forward end, between which is hinged a flat curved dog, M, having a cross-head, N, at its forward end, having three or more pointed rounded teeth, O, projecting from its lower face. Near its rear end this curved dog is provided with a staple, P, through which the forward end of an arched spring, Q, passes, the rear end of said spring Q being secured to the shank-plate G in rear of the hinge by a set-screw, R, which holds the hinged dog to its work. By the employment of the spring Q the toothed dog can be applied to the work by using only one hand, which permits the tool to be readily manipulated. By this tool the upper can be drawn better and tighter over the shank of the last than by the old tools. The teeth of the dog being rounding, they will not cut the leather while it is being drawn over the inner sole. The teeth of the dog engages the leather as shown in Fig. 2, the cam-head resting against the opposite side, and the handle is then used as a lever to draw the leather to the position shown in Fig. 3, where it is secured in the ordinary manner. Should a tooth break it can be readily replaced. The spring keeps the dog in place, so that the workman need not use both hands to operate the tool, but may engage the leather with the teeth of the dog by using one hand, while with the other hand he can handle the tacks and hammer and secure the upper to the last.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination, with the handle having the cam-head with the plain upper edge, of the slotted and perforated shank-plate secured adjustably thereto, and the hinged spring-actuated dog having the cross-head with rounded and pointed teeth on its under face, substantially as specified.

2. The combination, with the handle provided with the cam-head with the plain upper edge, having the screw-hole E and short stud D, of the shank-plate G, with elongated slot J and holes K, and the hinged spring-actuated

dog M, having teeth O, and the securing-screw and washer F I, substantially as specified.

3. The combination, with the handle having the cam-head at one end, of the shank-plate adjustably attached thereto, the hinged or pivoted dog having teeth at its forward end, and a spring-plate attached to the shank-plate at one end and having its other end fitting loosely through a stirrup attached to the dog, as set forth.

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

JOHN FROSSARD.

Witnesses:
CHARLES FROSSARD,
JOHN PALMER.