

(No Model.)

S. SNOW.  
LASTING MACHINE.

No. 569,357.

Patented Oct. 13, 1896.

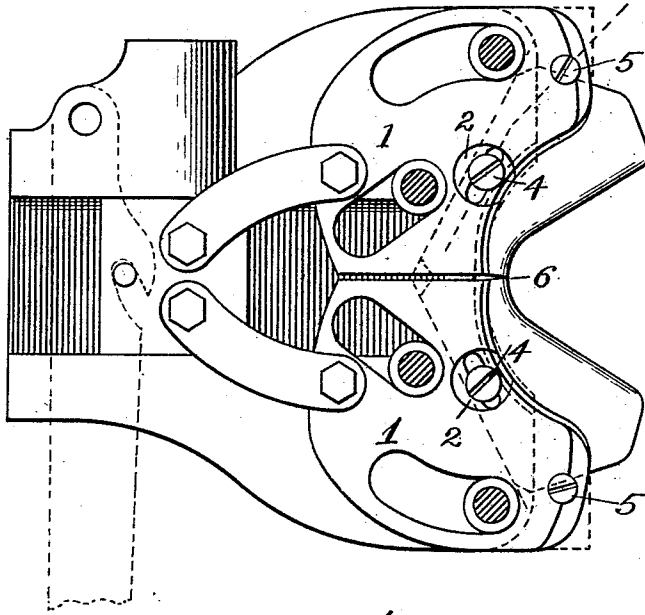


Fig. 1

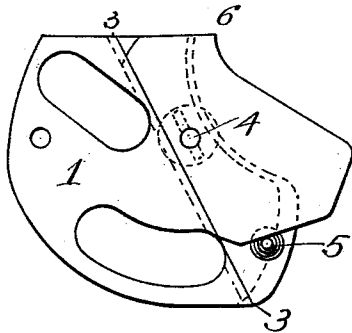


Fig. 2.

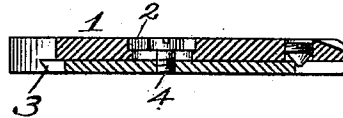


Fig. 3.

WITNESSES

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# UNITED STATES PATENT OFFICE.

STEPHEN SNOW, OF EVERETT, MASSACHUSETTS, ASSIGNOR TO THE GOOD-YEAR SHOE MACHINERY COMPANY.

## LASTING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 569,357, dated October 13, 1896.

Application filed June 5, 1894. Renewed September 8, 1896. Serial No. 605,193. (No model.)

*To all whom it may concern:*

Be it known that I, STEPHEN SNOW, of Everett, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Lasting-Machines; and I do hereby declare the following, with the annexed drawings, to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in the toe-lasting plates of lasting-machines, whereby the continuity of their working edges is preserved.

The object of this invention is to provide means of adjustment for the removable plates whose edges contact with the toe of the upper and mold it around the toe of the last and then fold its edges down upon the inner sole.

In the drawings, Figure 1 is a plan of a toe-lasting head, showing the removable plates attached to their respective supporting-plates and the means of guiding and operating the supporting-plates. Fig. 2 is a plan of the under side of a single supporting-plate with the adjustable and removable plate fixed thereon. Fig. 3 is a vertical cross-section of Fig. 2 on the line of the adjusting and holding screws, showing the relations of screws and plates.

In United States Patent No. 422,734, granted to George W. Copeland and Joseph E. Crisp March 4, 1890, among other improvements shown and described therein, the toe-lasting plates are so constructed that they present an unbroken edge to the last and commence their folding action from the median line of the last, thus allowing them to start from any desired distance below the inner sole at the toe and move up as desired. To this patent and the succeeding ones, which show and describe improvements thereon, reference is hereby made as to the specific construction and operation of the combined toe-lasting mechanism.

In the practical operation of these machines, in which the toe-lasting plates are moved many times per day, the median adjoining corners of the removable lasting-plates which contact with the upper lose their

touch with each other by attrition of contacting and supporting parts. This causes the lasting-plates to leave the median line of the toe of the upper unacted upon, and make a slight blemish, which is objectionable upon patent leather and other high grades of work. To remedy this fault, the lasting-plates are adjustably fixed upon their guiding and supporting plates, so that they can be located and fixed thereon, with reference to the median line or to each other, at the will of the operator. This is accomplished as follows: In the supporting-plate 1 there is made the counterbore-recess 2, whose bottom is slotted the length of the counterbore parallel with the supporting-overhang 3 of the supporting-plates. A suitable screw 4 is fitted to the lasting-plate, so that when the back edge of the plate is resting against its support the body of the screw can be moved lengthwise the slot in the counterbore in contact with the front edge of the slot. When the screws 4 are tightened, the contacting surfaces of the lasting and supporting plates are fixed together, as hereinbefore described.

To insure the position of the lasting-plates on the supporting-plates with reference to the median line, the taper-ended register and supporting screw 5 is fitted in the supporting-plates so that its tapered end will engage with the back edge of the lasting-plates, as shown by Figs. 2 and 3, and correctly locate their contacting corners 6, as shown by Fig. 1.

If by any reason the corners 6 lose touch with each other, the screws 4 are loosened and the one or both of the screws 5 advanced until the desired contact is restored.

Having thus described my invention, its construction and mode of operation, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In combination with a lasting-machine head of the class described, lasting-plates composed of guiding and supporting plates, and removable working-edge plates, and means to adjust said working-edge plates upon the supporting-plates with reference to the median line of contact of said working edges, substantially as shown and described.

2. In combination with a lasting-machine

head of the class described, lasting-plates  
composed of guiding and supporting plates;  
and removable working-edge plates, and suit-  
able screw holding and adjusting mechanism  
5 to adjust and maintain the set position of said  
working-edge plates upon the supporting-  
plates with reference to their median line

of contact, substantially as shown and de-  
scribed.

STEPHEN SNOW.

Witnesses:

FRANK G. PARKER,  
FRANK G. HATTIE.