

(No Model.)

G. W. DAY.

DEVICE FOR HOLDING BACK THE CHANNEL LIP OF A BOOT OR SHOE SOLE.

No. 266,018.

Patented Oct. 17, 1882.

Fig. 1.

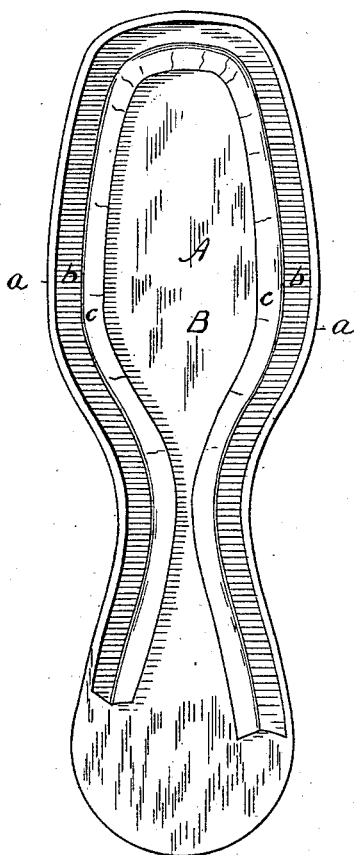


Fig. 2.

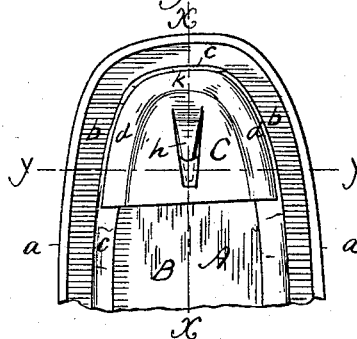


Fig. 3.

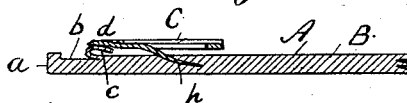


Fig. 4.



Fig. 5.

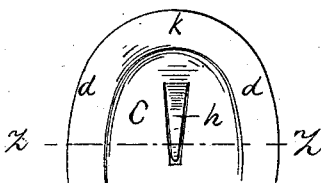


Fig. 7.

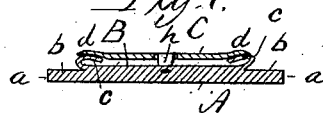
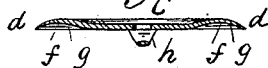


Fig. 6.



Witnesses:

Wm. S. Bellows.
E. B. Rich

Geo. W. Day,

PER Inventor,
Brown Bros.
ATTORNEYS

UNITED STATES PATENT OFFICE.

GEORGE W. DAY, OF HAVERHILL, MASSACHUSETTS, ASSIGNOR TO THE
DAY SEWED SHOE COMPANY, OF PORTLAND, MAINE.

DEVICE FOR HOLDING BACK THE CHANNEL-LIP OF A BOOT OR SHOE SOLE.

SPECIFICATION forming part of Letters Patent No. 266,018, dated October 17, 1882.

Application filed June 27, 1881. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. DAY, of Haverhill, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in the Manufacture of Boots or Shoes, of which the following is a full, clear, and exact description.

This invention relates to the sewing of the inner and outer soles to the upper of boots or shoes by sewing-machines—such as the well-known “McKay”—using a “horn,” as it is termed, which enters into the boot and shoe and is made to follow around the upper, near the edge of the inner sole, carrying a thread which, with the thread of the needle of the machine, makes the stitch; and in relation to such machine-sewing of boots and shoes it consists of the use of an inner sole having a channel in the inner surface running along at or near the edge where the line of stitches is intended to be, and a lip which is integral with the sole for covering such line of stitches, in combination with a device to hold the portion of said lip which is around the toe portion of the sole back and away and open from the channel at such portion of the sole in a manner to place it beyond a possibility of being disturbed in such position by the horn of the sewing-machine, while such horn is passing around and about such toe portion of the sole, whereby all danger of stitching the lip at such toe portion to the sole and upper is avoided, and, in addition thereto, in a manner to be easily and readily detached and removed, after the stitching of the sole is completed, for the purpose of cementing the said lip over the row of stitches to cover and conceal the same, all substantially as hereinafter described.

It also consists of a holder for the toe portion of the channel-lip, of the construction hereinafter described.

In the accompanying plate of drawings, Figure 1 represents a face view of an inner sole, showing the channel and lip of its inner surface; Fig. 2, a face view at the toe portion, showing a device to hold the lip in its turned-over position as applied; Figs. 3 and 4, sections respectively along lines *x x* and *y y*, Fig. 2; Fig. 5, a face view of the lip-holder detached; Fig. 6, a cross-section on line *z z*, Fig.

5; Fig. 7, a view similar to Fig. 3, showing a different form of channeling the inner sole; and Fig. 8, a sectional view of the holder similar to Fig. 6, showing it as flat.

In the drawings, A represents an inner sole, which may be of any of the usual shapes and sizes; B, the inner face or side of the sole, at which, parallel, or nearly so, to the edge *a* of the sole, the leather is channeled in any suitable manner—as, for instance, as shown at *b* in Figs. 1, 2, 3, and 4 of the drawings, or as shown at *b* in Fig. 7, which is a cross-section of the sole—and corresponding to this channel *b* the sole has a lip, *c*, which is integral with it. The lip is preferably prepared with cement before sewing it, with the outer sole, to the upper, and when so sewed the row of stitches runs along the channel, near the outer edge thereof; C, a sheet-metal plate. This plate, along its edge *d*, is of the outline of the toe portion of a boot or shoe sole, and its under side, *f*, about such edge, is concave, as at *g*, for a portion of the width of the plate, and the plate, at or near the central portion thereof, is provided with a sharp-pointed prong, *h*, which projects from the under side and in a line from the toe or front end, *k*, of the plate toward the rear or heel end thereof, and in a line substantially parallel with the under face of the plate. This plate C is the holder for the toe portion of the lip, and it is of suitable size to surround and lie, by its edge *d*, upon the same inside of the channel, and in this position it is held by inserting its prong *h* into the body proper of the sole, as shown in Figs 3 and 4 more particularly. By this means the lip at the toe portion of the sole is held in its turned-over position while the horn of the sewing-machine is passing around the same, and held against accidentally or by any other possibility being stitched to the sole in such sewing operation. After the sewing is completed the plate C is removed, and by forcing it toward the toe end of the boot or shoe, and the lip is turned down and secured in the channel *b* over the stitches, all as ordinarily.

The plate C can have its under side made flat; but it is preferable to have it concave, as shown, as it tends to the better hold and prevent the lip from being displaced when stitch-

ing the soles, as described. In Fig. 8 is shown in cross-section the holder C as made flat.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The device, substantially as shown and described, adapted to be detachably secured to the sole of a boot or shoe, near the toe portion, and to hold back the channel lip or flap while the upper inner sole and outer sole are being sewed together, substantially as set forth.
2. The holder-plate C, having a prong, *h*, all substantially as and for the purpose described.

3. The holder-plate C, having a prong, *h*, and concave portion *d*, substantially as and for the purpose described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

GEORGE W. DAY.

Witnesses:

EDWIN W. BROWN,
W. S. BELLOWS.