

S. BRUMLEY.
SHOE LAST-FASTENER.

No. 187,807.

Patented Feb. 27, 1877.

Fig. 1

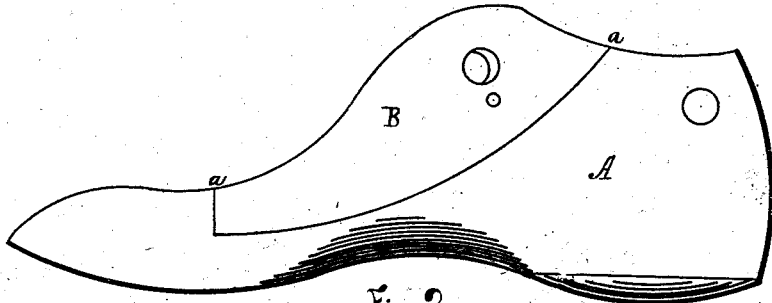


Fig. 2

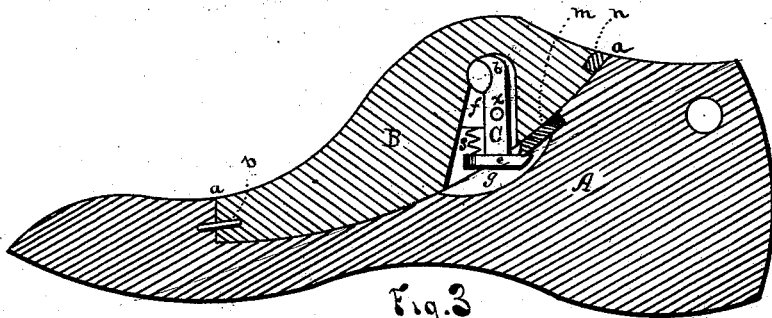


Fig. 3

Fig. 4

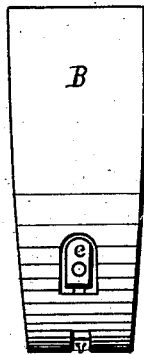
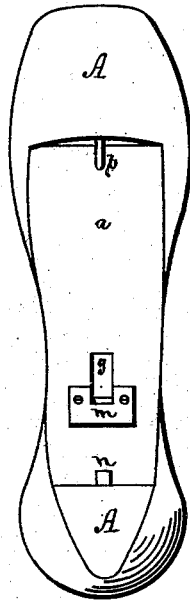
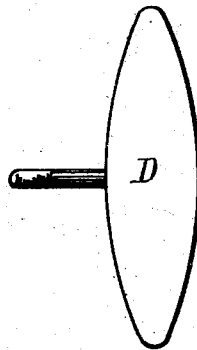


Fig. 5



WITNESSES

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BY

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UNITED STATES PATENT OFFICE.

SAMUEL BRUMLEY, OF JONESBOROUGH, INDIANA, ASSIGNOR OF PART OF HIS RIGHT TO ELISHA W. PEMBERTON AND CYRUS L. PEMBERTON, OF SAME PLACE.

IMPROVEMENT IN SHOE-LAST FASTENERS.

Specification forming part of Letters Patent No. 187,807, dated February 27, 1877; application filed September 5, 1876.

To all whom it may concern:

Be it known that I, SAMUEL BRUMLEY, of Jonesborough, in the county of Grant and State of Indiana, have invented a new and valuable Improvement in Shoe-Last Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of side elevation of my shoe-last. Fig. 2 is a longitudinal section of said last, showing my device in position. Fig. 3 is a top view of the same, showing the instep-cutting, the locking-plate, and the cavity beneath. Fig. 4 is a bottom view of the instep-piece. Fig. 5 is a shoe-last hook.

My invention is a shoe-last fastener; and consists in the construction, arrangement, and operation of the following peculiar elements: a spring-lever catch suitably pivoted within a cavity made into the under side of the instep-piece, and the upper end of which communicates with the usual last-hook hole, and the lower end engages with a locking-plate, which is suitably fastened over a cavity made in the top of the usual instep-cutting of the foot-piece of the last, and the above catch acting in concert with the usual dowel-pin at the toe and a guide knob or plate at the heel of said cutting, all of which and their purposes are hereinafter more fully described, and illustrated by the accompanying drawings, in which the same letters represent identical parts of my device in the different figures respectively.

The letter A represents the foot-piece of the said last; B, the instep-piece, and *a* the said cutting which parts the said instep from the said foot-piece. The letter C represents the said lever-catch, which consists of a metallic flat and vertical bar, pierced through the middle with a suitable pivot-hole, having also a groove cut into the front edge of its upper end, so as to form said end into the hook *b*, and provided also with a rectangular foot-piece, *e*, beveled on its rear edge, all as shown. Said

piece B has a suitable cavity, *f*, cut into its base, as shown, and reaching as far up as to open into the usual transverse hole for the last-hook D, when used to remove said instep-piece. Within said cavity *f* the said lever C is suitably pivoted at *x*, as shown, so that its hook *b* will be within the said last-hook hole, and its said foot hang within another cavity, *g*, cut into the surface of the said cutting *a* of the foot-piece A directly beneath the aforesaid cavity *f*, as shown. A spiral spring, *s*, is also introduced and fastened within said cavity *f* so that one end of it shall press upon the inner end of said foot *e*, thereby constantly keeping the lower end of said lever C forced to the rear of the two cavities, when placed together as shown, and the hook part *b* also forced toward the front of the said last-hook hole. Suitably fastened over the cavity *g*, as shown, is a metallic plate, *m*, having cut into the middle of its front edge a beveled slot, within which the said beveled edge of the lever-foot *e* slides until caught beneath. Into the front end of the said cutting *a* of the foot-piece A is fastened one-half of the usual dowel-pin *p*, and also into the rear end of the same cutting a projecting knob or pin-head, *n*, the former to insert into a suitable hole in the front end and the latter into a slot, *v*, in the rear end of the said instep-piece B, for the purposes of guides in the joining, and of additional preventives to lateral motion of said parts A and B.

When my device has been constructed and adjusted as above described the two parts A and B are firmly locked together, as follows:

Place the instep-piece A over the said cutting *a*, so that the dowel *p* will pass into its said hole; then bring the slot *v* over the knob or pin-head *n*, and press the said instep down, when the said beveled edge of the lever-foot *e* will slide over and catch under the said lever-spring *s*, keeping the said foot in place, and preventing any vertical movement, while the said pin-head *v* and dowel *p* prevent any lateral motion.

To unlock said part B from A, push the end of the last-hook D into the said transverse hole of the instep, which engages and

presses back the lever-hook *b*, which, consequently, moves forward the lever-foot *e* and disengages it from the slot of the lock-plate *m*, thereby allowing the said separation to be readily made. Therefore

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

The lever-catch *C*, provided with the hook *b*, the foot *e*, and the spring *s*, adapted to be pivoted within the cavity *f* of the instep-piece *B*, in combination with the slotted lock-

plate *m*, the dowel *p*, and the knob or pin-head *n*, substantially as and for the purposes specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

SAMUEL BRUMLEY.

Witnesses:

OSCAR A. WICKERSON,
ELIHU W. PEMBERTON.