

C. C. JOHNSON.
Last-Block Fastener.

No. 204,830.

Patented June 11, 1878.

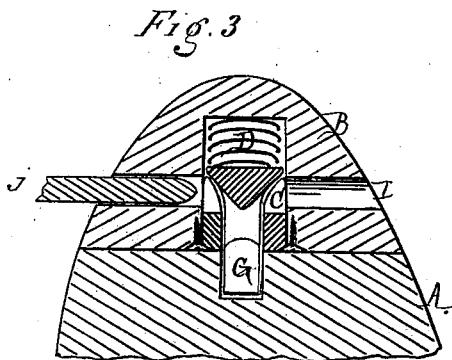
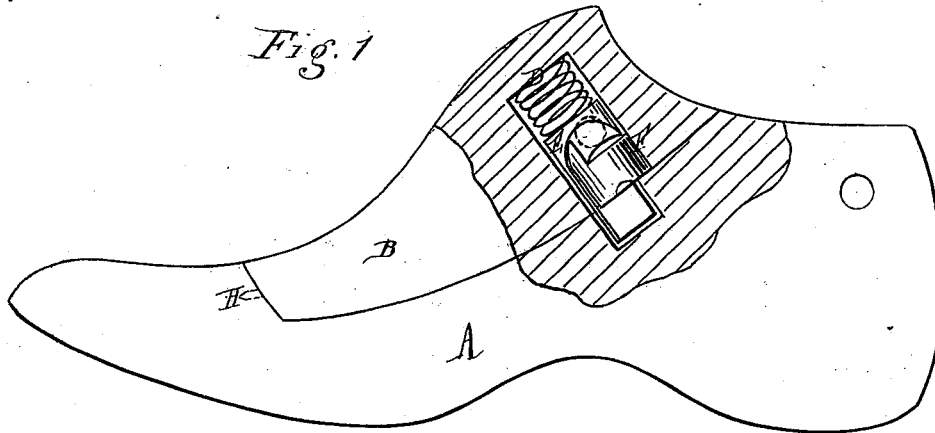


Fig. 2

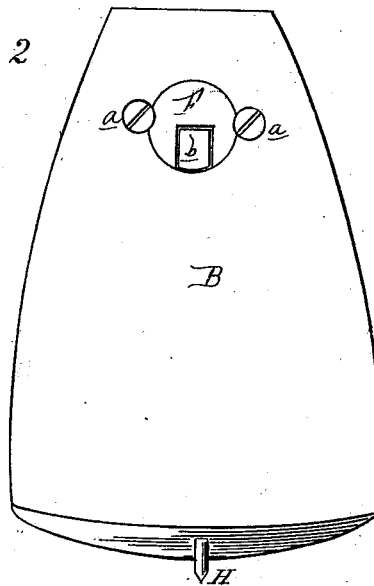


Fig. 4



Attest:

A. Barthel
Att. Sprague

Inventor:

C. C. Johnson
By Atty
Thos. S. Sprague

UNITED STATES PATENT OFFICE.

CHARLES C. JOHNSON, OF SPRINGFIELD, VERMONT, ASSIGNOR TO JOHN N. PATTON, OF SAME PLACE.

IMPROVEMENT IN LAST-BLOCK FASTENERS.

Specification forming part of Letters Patent No. **204,830**, dated June 11, 1878; application filed May 9, 1878.

To all whom it may concern:

Be it known that I, CHARLES C. JOHNSON, of Springfield, in the county of Windsor and State of Vermont, have invented an Improvement in Shoe-Last-Block Fastenings, of which the following is a specification:

The nature of my invention relates to new and useful improvements in devices by which the block to a last may be secured to the same without nailing—a practice usually adopted while the last is used in making the shoe or boot; and the invention consists in the construction and arrangement of the parts for securing the block to the last in such manner that the former may be disengaged and removed from the latter and from the shoe or boot before the last is withdrawn, as more fully hereinafter set forth.

Figure 1 is a side elevation, partially in section, showing the block and last and my device for securing the two parts together. Fig. 2 is a plan view of the bottom side of the block. Fig. 3 is a transverse vertical section. Fig. 4 represents enlarged and detached views of the locking device.

In the accompanying drawings, A represents the last, and B the block, into the latter of which is cut the recess C, to receive the spiral spring D, the bolt E, and bifurcated stud F, the latter of which is secured in the block by the screws *a*. The bolt E (shown in perspective in Fig. 4) has its opposite side finished in the same manner as the side presented in the drawing, and when in place its head impinges against the spiral spring, which

forces the lower end of the bolt to project through the slot *b* in the stud F, except when forcibly withdrawn.

G is a recess cut diagonally in the top of the last to receive the lower end of the bolt E, so that when the block is in position the bolt and said recess form a partial dovetail to secure the block to the last in combination with the metallic point H in the front end of the block, which enters a corresponding hole in the last, as shown in Fig. 1.

A hole, I, is bored through the block transversely at a point immediately opposite the inclined or V-shaped portion of the bolt, and below the head thereof, for the purpose of withdrawing the bolt from its engagement with the recess in the last by the insertion of a round-pointed rod, J, which impinges against the inclined head of the bolt and forces it upward against the action of the spring, thereby withdrawing the lower end of the bolt from the recess in the last.

What I claim as my invention is—

The device for locking a last-block, consisting of the bolt E, having head with inclined or beveled sides, the bifurcated stud F, and the opening I in the block, to receive the rod J for unlo^oking such bolt E by forcing the end of the rod against one of the inclined sides, constructed and arranged substantially as described and shown.

CHARLES C. JOHNSON.

Witnesses:

HENRY STANLEY,
W. GILBERT.