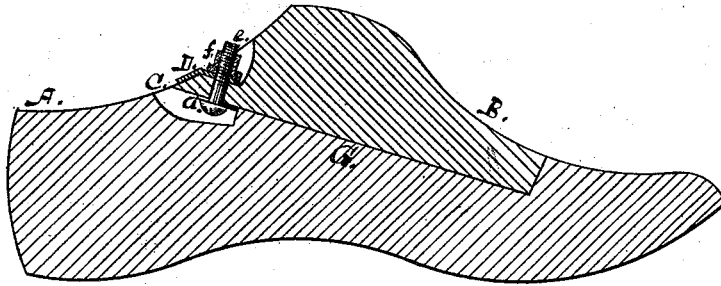


W. P. BEERS.

LAST-BLOCK FASTENING.

No. 186,977

Patented Feb. 6, 1877.



Witness
Horace Morris
John C. Cambridge.

Inventor
William P. Beers.

UNITED STATES PATENT OFFICE.

WILLIAM P. BEERS, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN LAST-BLOCK FASTENINGS.

Specification forming part of Letters Patent No. 186,977, dated February, 1877; application filed July 17, 1876.

To all whom it may concern:

Be it known that I, WILLIAM P. BEERS, of Newark, in the county of Essex and State of New Jersey, have invented a certain Improvement in Lasts, of which the following is a specification:

My invention consists in the devices for holding the block of a last in its position when in use.

The figure is a longitudinal section, showing the features of the new improvement.

The last A and block B are the same as those in common use; but the improvement is in the mode employed for holding them together when the last is being worked.

In the upper side of last, near the heel, where the block begins, I cut a groove, C, and across the front of this groove I attach a metal plate, *a*. This plate has a notch in it, opening from the rear, into which the shank of the screw *e* is made to slip, and the sides of the head of the screw slide under the plate *a*. This screw passes through the rear end of the block and through the plate D, made fast to it, and above this plate on the screw is a nut, *f*. Thus, in connecting the last to the block, when the nut is turned up the

block is slid into position on the plane G, when the screw-head slides into the groove C and under the plate *a*, and when in position the nut *f* is screwed down and the two parts are firmly locked together; and, of course, to take out a block it is only necessary to loosen the nut, and it may be at once drawn out.

The shank of the screw is made flat or square, so that it will fit into the notch of the plate *a*, and not turn around when the nut is being turned.

With these simple devices I readily secure the block to the last, and avoid piercing and tearing the block and last with a nail driven in to hold them together, and which sometimes splits the block—always mars it. Therefore,

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

In combination with the last A provided with the groove C and plate *a*, the instep-block B, provided with plate D, screw *e*, and nut *f*, all substantially as shown, and for the purpose set forth.

WILLIAM P. BEERS.

Witnesses:

HORACE HARRIS,
JOHN C. TUNBRIDGE.