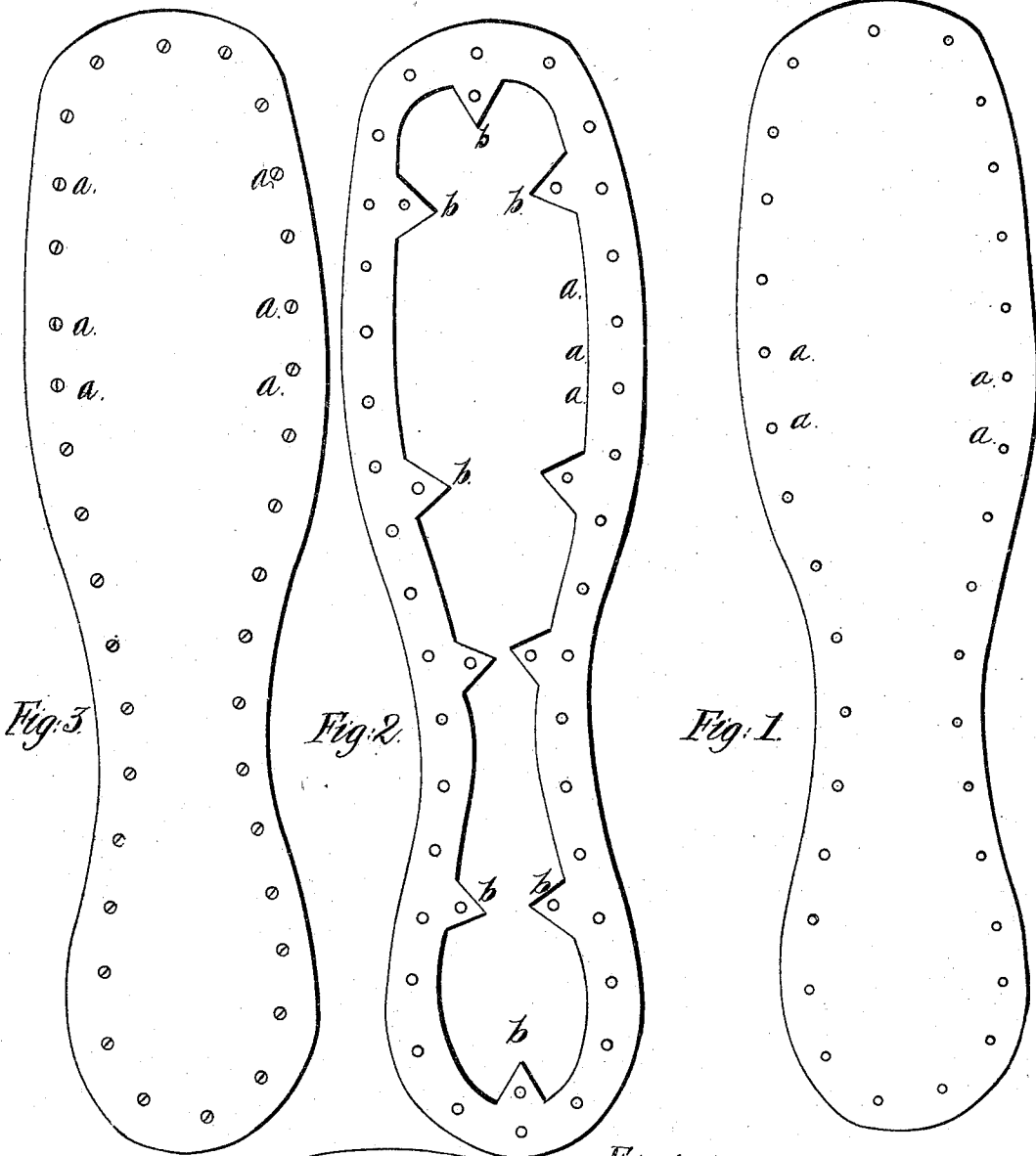


Senour & Triumphagen,

Shoe Sole.

No. 91,674.

Patented June 22, 1869.



Witnesses:
Wm. Minor
Daniel Reid

Inventors:
F. Le Roy Senour.
L. Triumphagen.
Assigner to
F. Le Roy Senour

United States Patent Office.

F. LE ROY SENOUR AND H. L. TRAPHAGAN, OF EATON, OHIO; SAID
TRAPHAGAN ASSIGNS HIS RIGHT TO SAID SENOUR.

Letters Patent No. 91,674, dated June 22, 1869.

IMPROVEMENT IN FASTENING TOGETHER THE SOLES AND UPPERS OF BOOTS AND SHOES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, F. LE ROY SENOUR and H. L. TRAPHAGAN, of Eaton, in the county of Preble, and State of Ohio, have invented a new and improved Mode of Fastening the Upper Leather and Soles of Boots and Shoes Together, and Half-Soling the Same; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Specifications.

First. No. I, in the drawing, represents the inside sole of the boot or shoe.

Second. No. II represents the metallic clamp. The clamp is made of various metals, tin, lead, steel, malleable iron, or brass. The dots marked *a* are screw-holes. The projecting points of the clamp, marked *b*, are used to aid in adjusting and securing the upper leather, and for levelling the space between the clamp.

Third. No. III represents the outside, or bottom sole of the boot or shoe, and the dotted points, marked *a*, screw-holes.

Fourth. No. IV represents the heel of the boot or shoe, and the dotted points, screw-holes.

Fifth. In constructing a boot or shoe, we place the sole No. I on the last, bring the upper leather over sole No. I. We then lay the clamp No. II on sole

No. I, and draw the upper leather to the points of the clamp, marked *b*, then secure the clamp with a few screws. Then we lay on the clamp the outside or bottom sole or soles, and fasten by screws passing through No. III and No. II, and into No. I.

The heel No. IV is fastened to its place with screws.

In the construction of some qualities of shoes, we use simply the screws. In others, we use a clamp precisely similar to No. II, except it is constructed without the projections marked *b*, and is placed on the inside of sole No. I, and the screws pass through No. III and No. I, and into the clamp No. II.

We are aware of the fact that boots and shoes have been made with screws, entering through a wooden sole into a wooden bottom, and confining the upper between said sole and bottom. We therefore disclaim the application of screws for the purpose named; but

What we do claim, and desire to secure by Letters Patent, is—

The combination of a leather sole with metal plate, when the uppers are secured by means of screws, substantially as and for the purpose described.

F. LE ROY SENOUR.

H. L. TRAPHAGAN.

Witnesses:

JAMES A. GILMORE,
JOHN V. CAMPBELL.