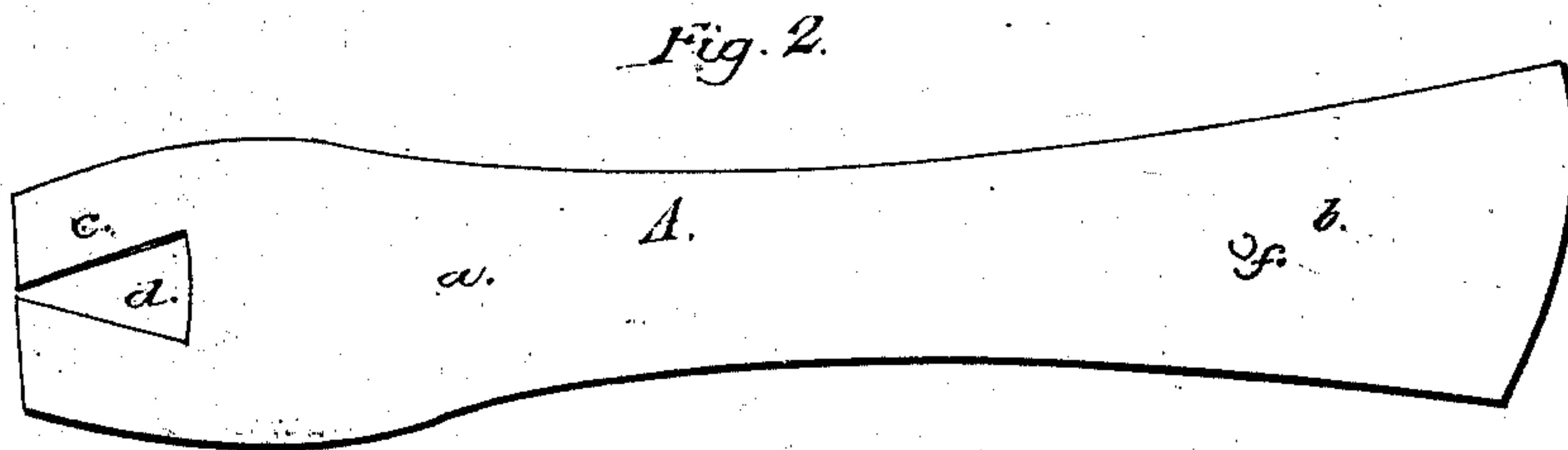
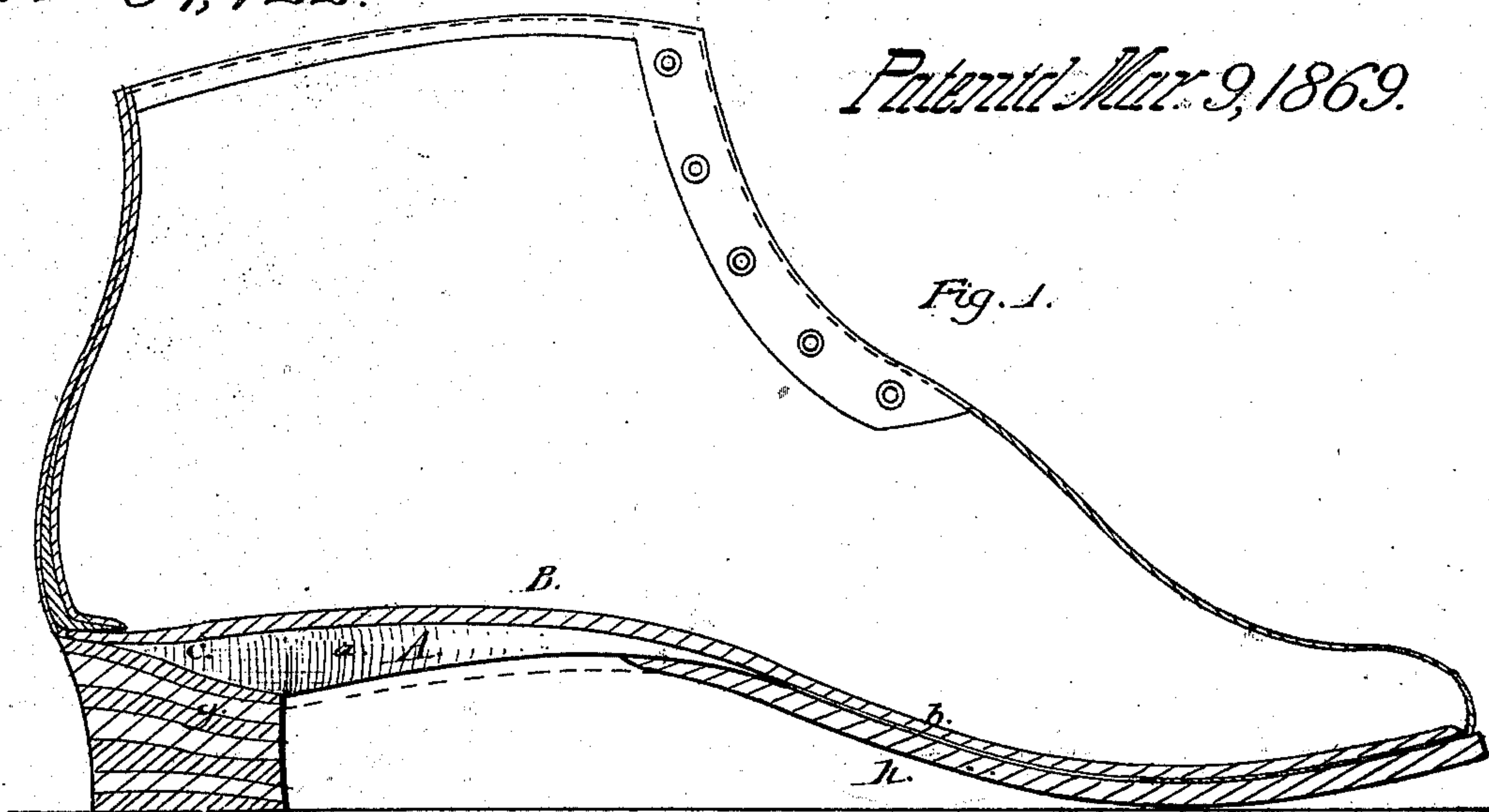


H. P. Stewart.

N^o 87,722. Shoe Shank.

Patented Mar 9, 1869.



Witnesses:

*L. L. Day
R. S. Turner.*

Inventor:

Honace P. Stewart

*Per J. S. Brown
attorney.*

United States Patent Office.

HORACE P. STEWART, OF BATH, MICHIGAN.

Letters Patent No. 87,722, dated March 9, 1869.

IMPROVED SHANK

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

To all whom it may concern:

Be it known that I, HORACE P. STEWART, of Bath, in the county of Clinton, and State of Michigan, have invented an Improved Shank for Boots and Shoes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification—

Figure 1 being a side or edge view of the shank, shown in the shoe.

Figure 2, a bottom view thereof.

Like letters designate corresponding parts in both figures.

The shank A is properly made of thin steel plate.

I make the instep-portion *a* convex on its lower, or outer side, and correspondingly concave on its upper side, to receive the usual filling of leather.

By this form, a proper degree of stiffness and elasticity is obtained with the smallest quantity of metal. The convex form is intended to be such as to conform to that portion of a sole without a covering of leather, although, if desired, the outer sole may be extended over it, as indicated by the red line, fig. 1.

From the instep to the forward end *b*, the shank is flattened, to conform to that portion of the sole where it is secured under the outer sole. It is provided with a hole, *f*, for the insertion of a tack to hold it in place until the sole is sewed or pegged on.

The rear end *e* of the shank is formed to fit the portion of the sole covered by the heel *g* of the boot or shoe, and is provided with a triangular or approximate form of aperture or notch, *d*, for securing the shank to the sole under the heel.

This aperture is such as to relieve the strain on the shank, and obviate its liability to break, and to allow a freer elasticity.

Thus I obtain a very superior shank in strength, lightness, and elasticity, and withal, one which allows the boot or shoe to be finished in better form, and with less expense. It is, in truth, superior in all respects to the usual form.

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

The improved metallic shank, having the instep-portion *a* shaped to suit the finished form of the boot or shoe, when terminating at the heel-end, with the notch *d*, as and for the purpose herein specified.

The above specification signed by me, this 15th day of July, 1868.

HORACE P. STEWART.

Witnesses:

W. S. HALL,
ISAAC KENIFF.