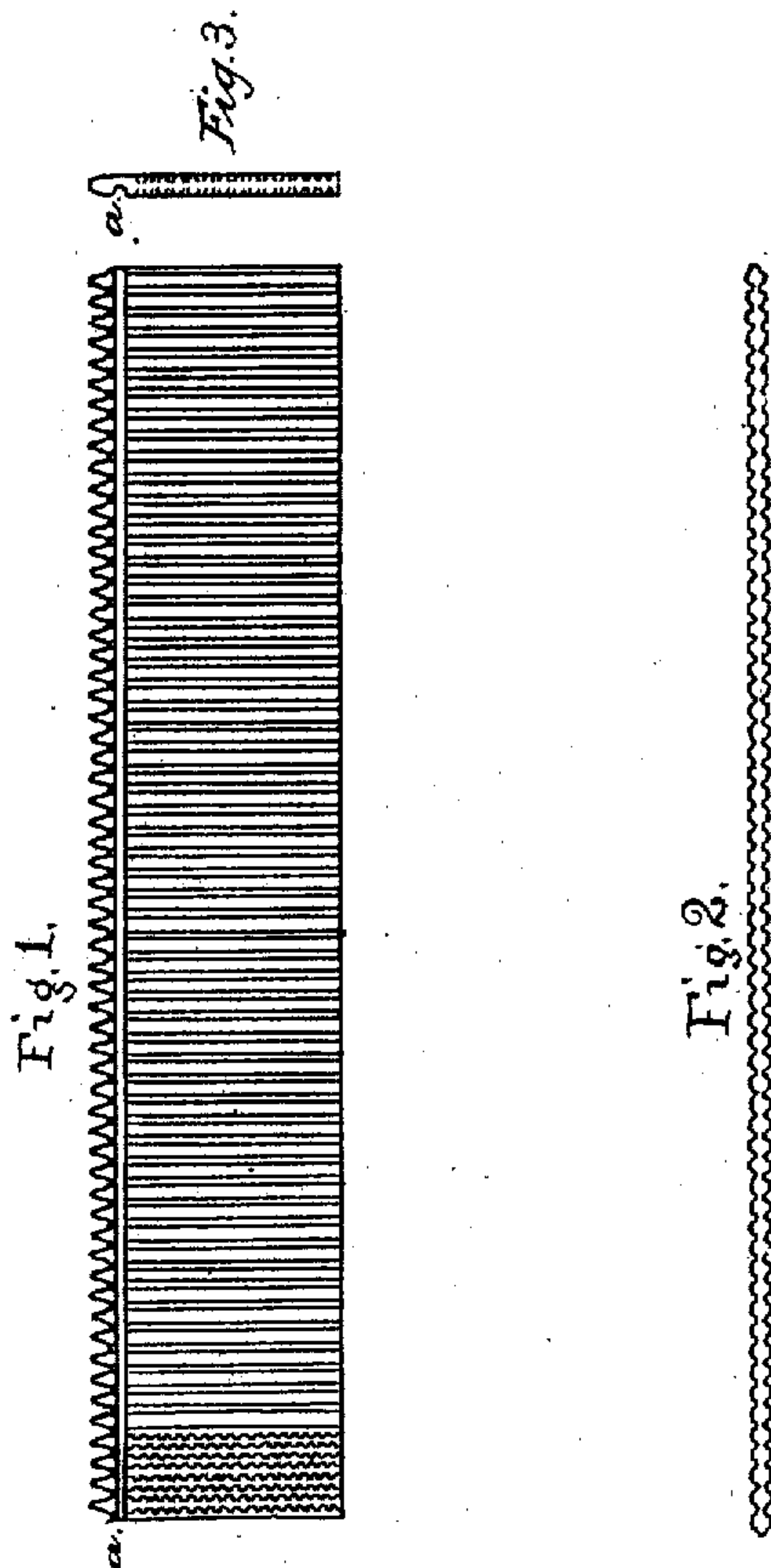


G. McKAY.

Metallic Fastening for Soles of Boots and Shoes.
No. 162,087.

Patented April 13, 1875.



Witnesses
Frank F. Stanley
Sa. Porter

Inventor
Gordon M. Kay.

UNITED STATES PATENT OFFICE

GORDON McKAY, OF CAMBRIDGE, MASSACHUSETTS.

IMPROVEMENT IN METALLIC FASTENINGS FOR SOLES OF BOOTS AND SHOES.

Specification forming part of Letters Patent No. **162,087**, dated April 13, 1875; application filed February 27, 1875.

To all whom it may concern :

Be it known that I, GORDON McKAY, of Cambridge, Middlesex county, in the State of Massachusetts, have invented certain Improvements in Metallic Fastenings for Boots and Shoes; and I do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

The invention relates particularly to metallic fastenings for uniting the soles to the uppers of boots and shoes, and is an improvement on the metallic strip described in the patent granted to Lyman K. Blake and Gordon McKay, January 26, 1875, No. 159,015. The improvement consists in making a groove on one side of the nail and near the point, so that when the nail is driven onto an iron-plated last, or a horn or other hard resisting surface, the point will bend toward the grooved side and form a clinch; also, in the shape of the points, the opposite sides of which I make

symmetrical in form to keep the nail from running or drawing in a slanting direction, and in tapering the point on all four of the sides.

Figure 1 is a side view of a piece of the improved strip. Fig. 2 is a top view of the same. Fig. 3 is an end view.

A is the groove, and in Fig. 3 the tapering form of the point is seen. The nails are preferably corrugated, as shown in Fig. 3 and at the end of Fig. 1.

I claim—

1. A blank, composed of nails united by thin webs and grooved longitudinally near the points of such nails, as at *a*, substantially as described.

2. In a nail or metallic fastening the groove *a*, in combination with a nail-point, made symmetrically-tapering on the sides that are at right angles, or nearly so, to the side in which the groove *a* is made.

GORDON McKAY.

Witnesses:

FRANK F. STANLEY,
L. A. PORTER.