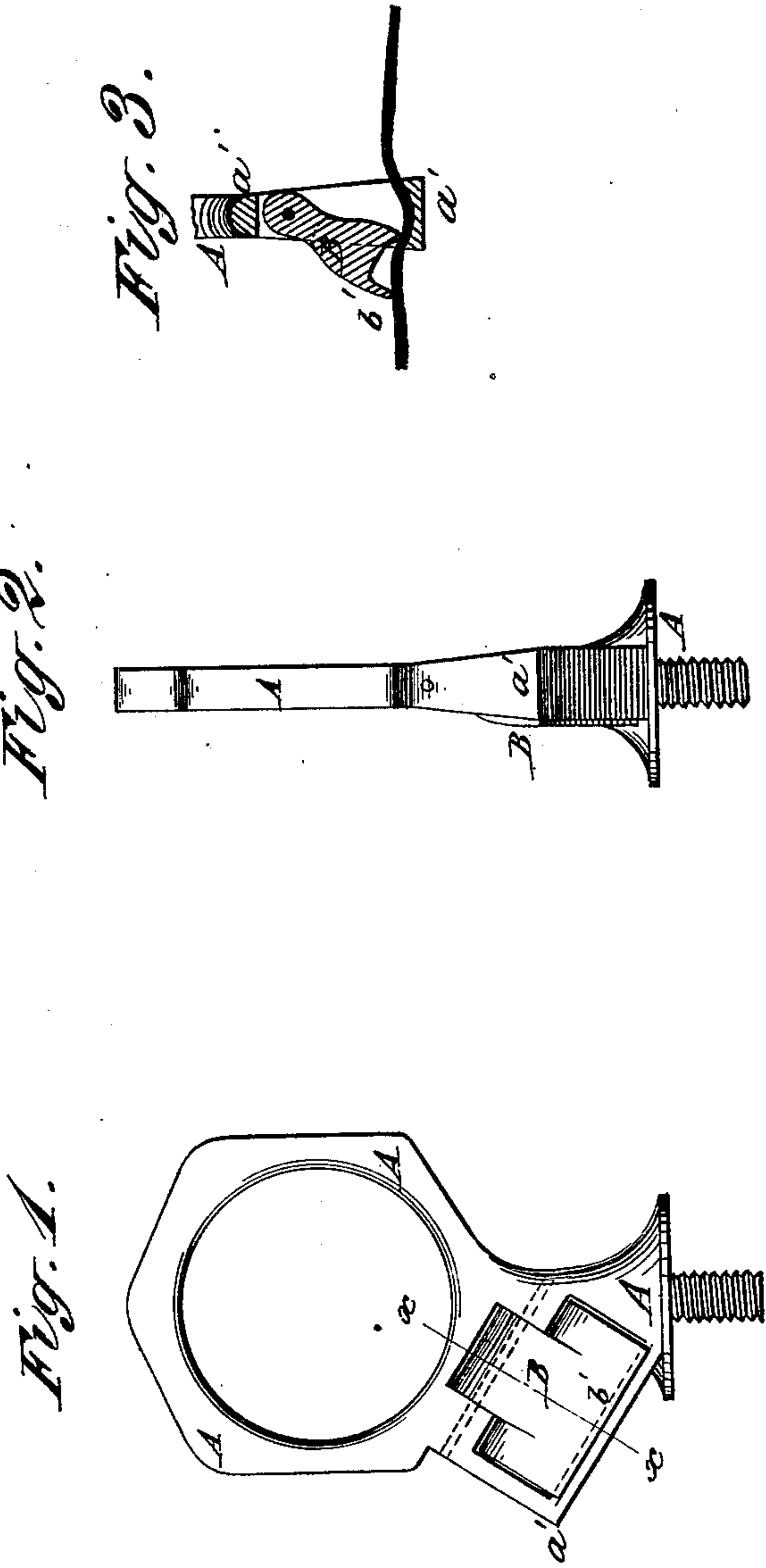


I. N. JUST.
HARNESS TRIMMINGS.

No. 188,057.

Patented March 6, 1877.



WITNESSES:

H. Rydquist
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UNITED STATES PATENT OFFICE.

ISAAC N. JUST, OF BELDING, MICHIGAN.

IMPROVEMENT IN HARNESS-TRIMMINGS.

Specification forming part of Letters Patent No. **188,057**, dated March 6, 1877; application filed January 13, 1877.

To all whom it may concern:

Be it known that I, ISAAC N. JUST, of Belding, in the county of Ionia and State of Michigan, have invented a new and useful Improvement in Combined Terret and Tie-Strap Fastener, of which the following is a specification:

Figure 1 is a rear view of my improved device. Fig. 2 is an edge view of the same. Fig. 3 is a detail section taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved device for securing a tie-strap, which shall be simple in construction, durable, not liable to get out of order, and reliable and convenient in use, holding the tie-strap securely, and enabling it to be easily and quickly fastened and unfastened.

The invention consists in a terret provided with a tie-strap fastener; and in the combination of the swinging wedge-block, having its bottom concaved, and provided with a flange along its rear edge, and the extension having the inner side of its bottom bar concaved or flat with the terret, as hereinafter fully described.

A represents a terret, upon the lower side of which is formed an extension, *a'*, in which is formed an opening or cavity in which is pivoted a wedge-block, B. The inner side of the bottom bar of the extension is concaved or flat, and the bottom or lower edge of the wedge-block B is concaved, and has a flange, *b'*, formed along the rear side of said bottom, and projecting sufficiently to prevent said

wedge from swinging forward through the cavity in which it is hung. The flange *b'* also serves a twofold purpose. It prevents the rear or free end of the tie-strap from rising, and serves as a handle for the fingers in raising the block B to allow the tie-strap to be withdrawn.

In using the device the free end of the tie-strap is passed through the cavity of the extension *a'*, and is drawn back for a suitable distance. It is then drawn forward and draws the wedge-block B into the cavity of the extension *a'*, and clamps the said tie-strap securely between the lower edge of the said block B, and the bottom bar of the extension *a'*.

To unfasten the tie-strap, its free end is drawn to the rearward, which draws back the wedge-block B, so that it may be raised with the fingers, and the tie-strap drawn out.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A terret provided with the strap-fastener B, substantially as herein shown and described.

2. The combination of the swinging wedge-block B, having its bottom concaved and provided with a flange, *b'*, along its inner edge, with the terret A and extension *a'*, having the inner side of its bottom bar made concave or flat, substantially as herein shown and described.

ISAAC NEWTON JUST.

Witnesses:

F. B. BIDWELL,
GEO. HOPPOUGH.