

E. L. Woods.

Buckle.

N^o 72255

Patented Dec. 17, 1867.

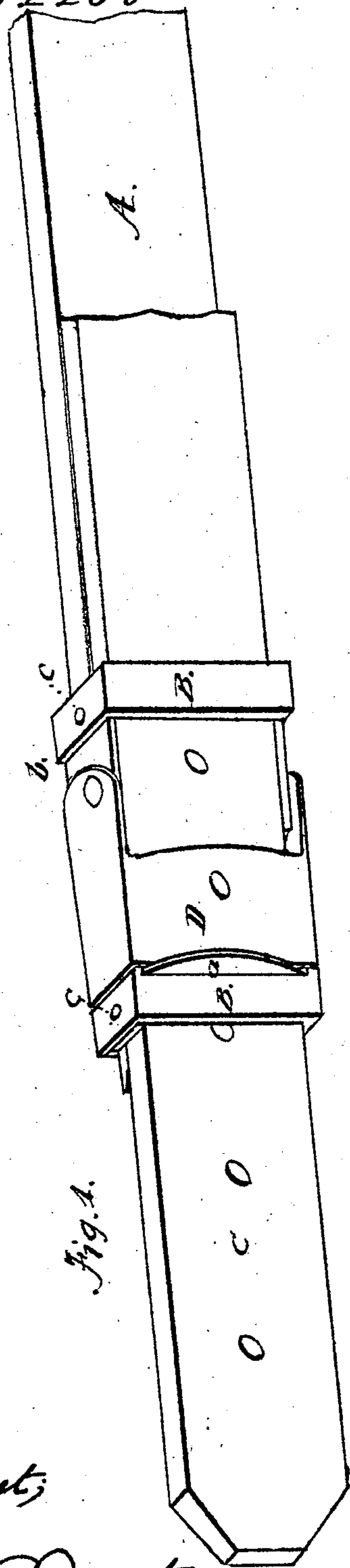


Fig. 1.

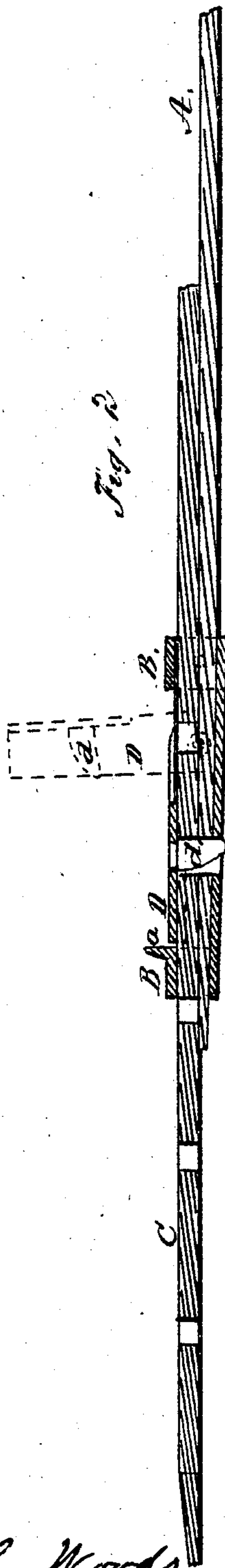


Fig. 2.

attest;

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E. L. WOODS, OF ALLIANCE, OHIO, ASSIGNOR TO HIMSELF, JOSHUA H. WOODS, BENJAMIN F. WOODS, AND JAMES L. WOODS.

Letters Patent No. 72,255, dated December 17, 1867.

IMPROVED BUCKLE.

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, E. L. Woods, of Alliance, in the county of Stark, and in the State of Ohio, have invented certain new and useful "Improvements in Harness-Buckles;" and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, in which—

Figure 1 is a top view of the invention.

Figure 2 is a longitudinal section through the middle of the same.

The nature of my invention consists in forming a buckle of two pieces, out of stamped metal, as hereinafter more fully described.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the construction of my invention, I make my buckle of stamped metal, or I may use, for a cheap buckle, cast metal.

In fig. 1, A is the trace, to which the body of the buckle is firmly attached by means of rivets, or in any other secure and convenient manner. B B, the body of the buckle, which is composed of a plate the width of the trace to be used, and which is turned up at right angles about double the thickness of the trace to which it is attached. To these edges are attached two strips, which act as slides or clasps, by means of rivets, c, which hold them firmly to the plate or main body of the buckle, and of which they form a part, and leaving a space sufficient for another strap or end of the trace to pass under. On the front one of these slides is a turned-up edge, as seen at a, fig. 1, to give a greater degree of strength to the buckle when it is in use, as will hereafter be more fully described. C, the additional thong or part of the trace, to allow for regulating the length of the same, as may be required, and which has holes punched through it, for the purposes of its adjustment. This thong is passed under these slides or clasps B B, and fits closely down on the main portion of the trace A, and is allowed to slide back and forth within the buckle. D is another portion of the buckle, about half the length of the portion B, made of a plate of metal of about an inch in width, with the side turned down at right angles with the plate, these sides projecting beyond the said plate about half an inch. These ends are firmly fastened to the sides of the body of the buckle B by the means of pivots b b, and on which it can be made to turn, as seen in red lines in fig. 2. To this plate is attached the tongue of the buckle, d, seen in fig. 2, and which passes through the holes in the thong C, as seen in fig. 2, at d.

In the operation of my invention, having constructed it as described, and fastened it to the end of the trace A, the thong C is slipped under the slides or clasps B B, and the tongue d, with plate D, is elevated far enough to let the thong pass under it, until it gets to the desired point. When the plate D, with the tongue d, is pressed down, the tongue passing through one of the holes in the thong C, as seen in fig. 2, and the plate presses close down on to the thong C, as also seen in fig. 2, fitting close down under and against the slide a, (same figure,) so that when the draught is applied to the trace, and the thong C is caused to press heavily on the tongue of the buckle d, the plate D will also press against the slide a, thus giving greater strength to the buckle, as the whole strain on the buckle will be distributed between the slide or clip a and the pivots b b, thus dividing the strain on the buckle at those various points.

It will be seen that one great advantage of my buckle is the ease with which it can be undone. To do so, it is only necessary to take hold of the two parts A and C of the trace, and push the thong C forward against the tongue d, and it being inclined to a point on the side thus pressed, it will rise up, and be relieved from its hold, and allow the thong to be moved to the required hole. By my invention, I am enabled to make a cheap and easily adjusted and efficient buckle.

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

The plate and clips B B, projection a, in combination with hinge-holder D and tongue d, constructed substantially as described, and operating as set forth.

In testimony that I claim the above-described certain new and useful "improvements in harness-buckles," I have hereunto signed my name, this 15th day of July, 1867.

E. L. WOODS.

Witnesses:

SAMUEL ARNOLD;

JOSEPH BARNABY.