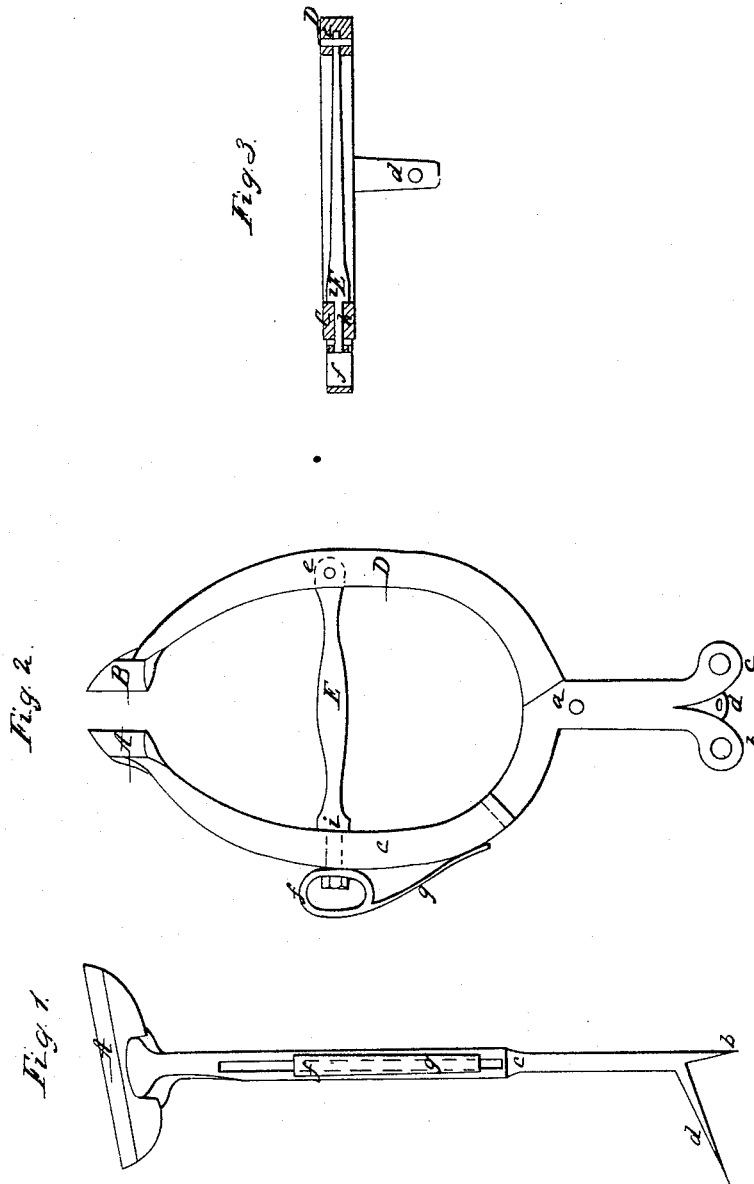


A. J. CURTIS.
BOOT OR HARNESS CLAMP.

No. 50,766.

Patented Oct. 31, 1865.



Witnesses:
J. P. Hale Jr.
S. C. Washburn

Inventor:
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UNITED STATES PATENT OFFICE.

ANDREW J. CURTIS, OF WINTERPORT, MAINE, ASSIGNOR TO BENJN. F. WALDRON, OF BOSTON, MASSACHUSETTS, AND CHAS. T. SEAVEY, OF FRANKFORT, MAINE.

IMPROVED BOOT OR HARNESS CLAMP.

Specification forming part of Letters Patent No. 50,766, dated October 31, 1865.

To all whom it may concern:

Be it known that I, ANDREW J. CURTIS, of Winterport, in the county of Waldo and State of Maine, have invented an Improved Vise or Boot or Harness Clamp; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a front elevation, Fig. 2 a side view, and Fig. 3 a horizontal section, of it, such section being taken through the jaw-legs and the movable clamping arm or lever, to be hereinafter described.

In the drawings, A and B are two jaws, each of which is fixed to or makes part of one of two legs, C D, which are formed and hinged together, as shown at *a*, the same being so that the jaws may be either moved toward or apart from one another. The stationary leg C has feet or branches *b c d* extending from its lower part in manner as represented in Figs. 1 and 2, one or more holes being made through each of such feet or branches, and for the purpose of enabling the vise or clamp to be fastened to a table or bench by screws going through such holes. An arm or lever, E, extends through a slot, *h*, made in the stationary leg C, and at one end is jointed or hinged to the movable leg D, as shown at *c*. An elliptical ring, *f*, is fastened to the other end of the lever E, bears against the adjacent curved edge of the leg C, and has a friction-spring, *g*, projecting from it and against such edge, the whole being as exhibited in the drawings. The lever E is also provided with one or two shoulders, *i i*, to rest against the inner curved surface of the leg C.

On raising the lever E on its fulcrum the jaws will be caused to open or move apart from one another, and on depressing the lever they will be made to approach and close upon each other, the spring *g* serving to hold the lever in any position in which it may be placed while such spring may be in contact with the leg C.

The vise or clamp so made is a very convenient one for holding boot leather or parts of harness or various materials while being sewed or stitched by a workman, as by means of the lever E the jaws can be opened and closed to great advantage and with more dispatch than they can by a screw as ordinarily applied to the legs of the jaws of a common bench-vise.

I am aware that a harness vise or clamp has had its jaws operated by a screw, and therefore I do not claim such; but

What I claim as my invention is—

1. The above-described improved vise or stitching-clamp, as constructed with a clamping-lever, E, and its shoulder or shoulders *ii* and handle or ring *f* (or the equivalent of the latter) arranged and combined with the curved jaw-leg C and its fellow leg D in manner and so as to operate therewith, substantially as described.

2. The combination of the spring *g* with the handle *f*, the lever E, and the jaw-legs C D, made and applied in manner and so as to operate together, substantially as described.

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