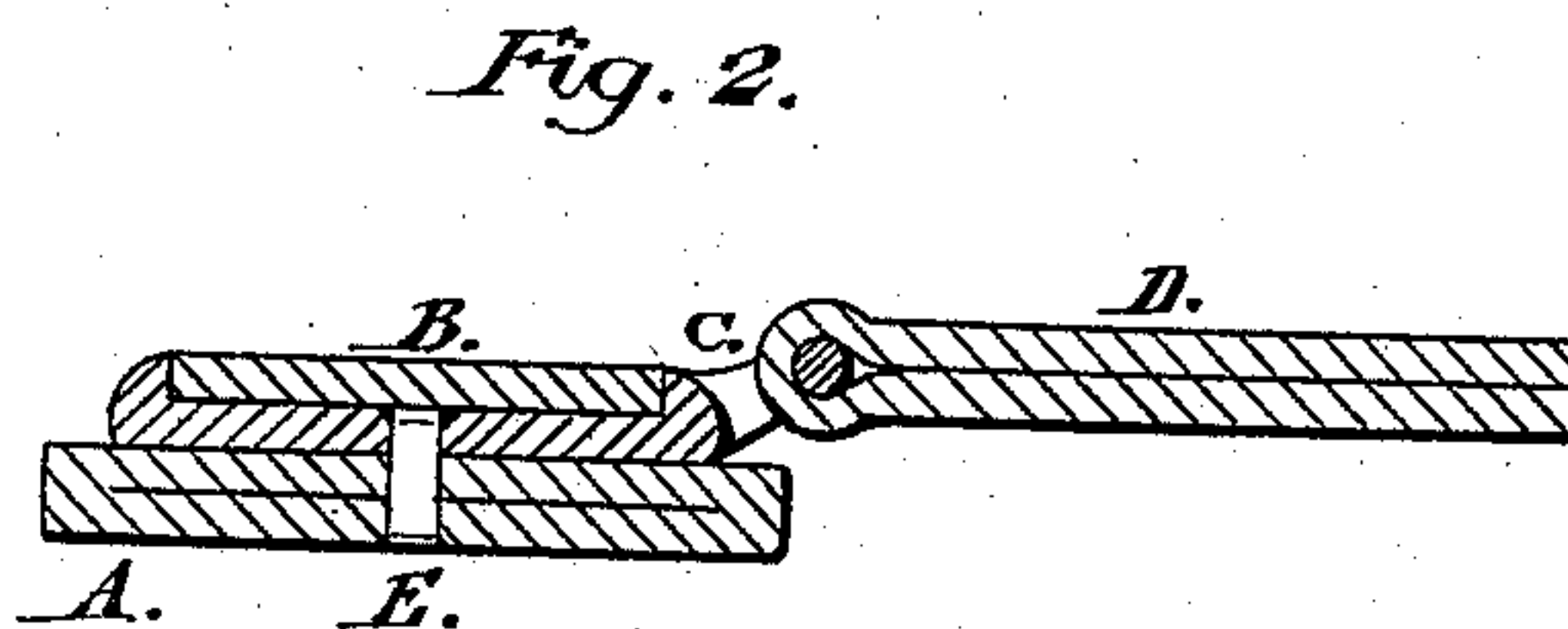
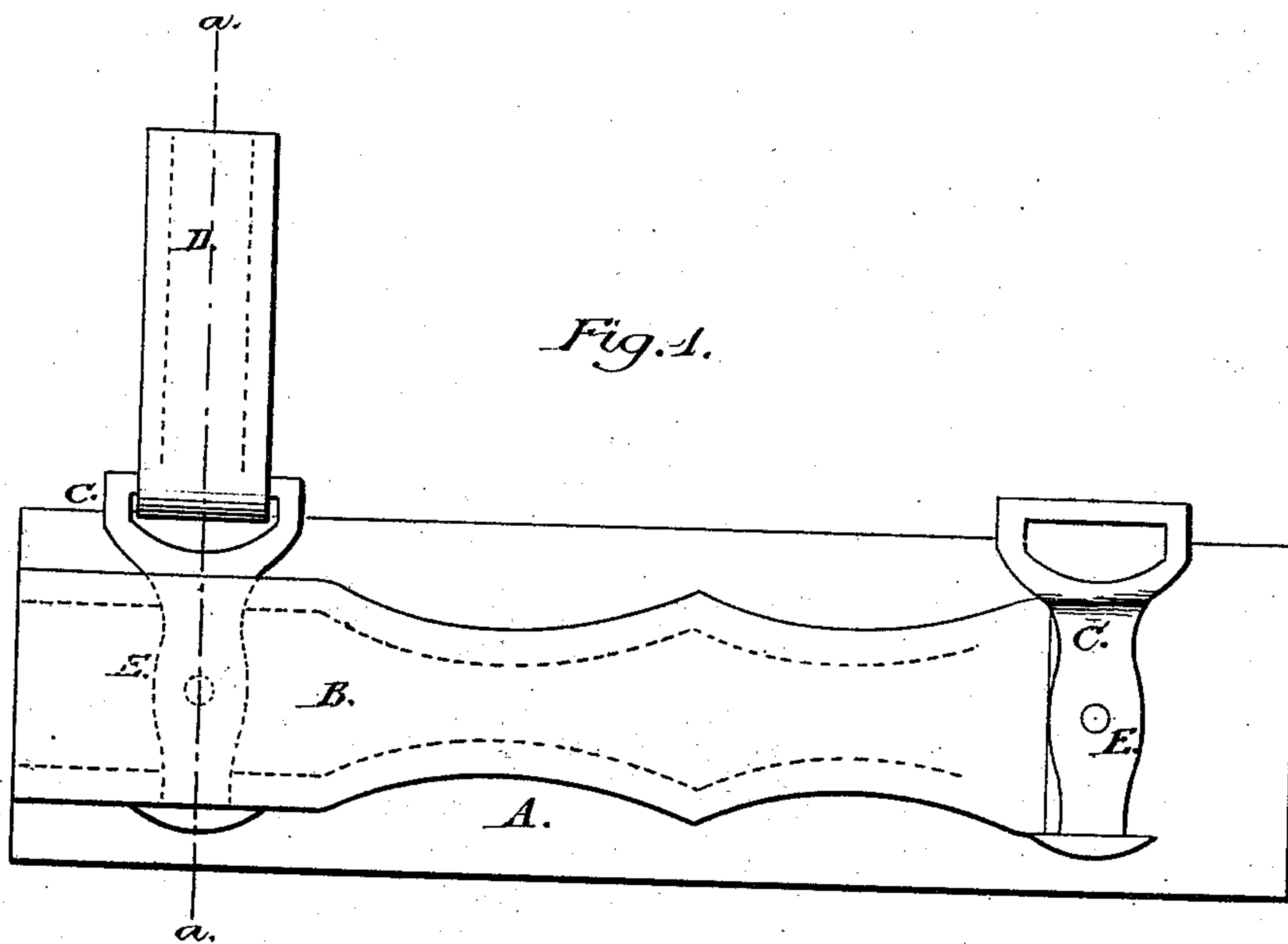


A. J. LUND.

STAY-LOOPS FOR HARNESS.

No. 173,481.

Patented Feb. 15, 1876.



Witnesses:

Thomas Crane  
D. B. Peck

Inventor:

Alfred J. Lund

# UNITED STATES PATENT OFFICE.

ALFRED J. LUND, OF FORT ATKINSON, WISCONSIN.

## IMPROVEMENT IN STAY-LOOPS FOR HARNESS.

Specification forming part of Letters Patent No. **173,481**, dated February 15, 1876; application filed May 21, 1875.

*To all whom it may concern:*

Be it known that I, ALFRED J. LUND, of Fort Atkinson, county of Jefferson, State of Wisconsin, have invented an Improvement in Stay-Loops in Harness, of which the following is a specification:

The accompanying drawings form a part of this specification, and similar letters of reference indicate like parts in all the figures.

Figure 1 represents a section of a breast-collar for harness, with stay-loops C fastened to the fold A, and stay-fastener D attached to loop C; also layer B stitched to fold A. Fig. 2 is a vertical cross-section of Fig. 1 at dotted line *a*.

My invention consists in an improvement in the construction and application of the stay-loop used in harness for fastening-straps, being generally secured to the breast-collar, or in whatever place it may be made useful, and I shall now proceed to illustrate its features in detail.

In Fig. 1, A represents a fold formed by folding both edges of a wide strap until they meet at the center. Crosswise these folds are the shanks of stay-loop C, which are fastened to the center of fold A by a rivet, E. Upon the shank, between its two shoulders, is placed

the layer B, which is stitched to the fold A, covering its exposed edges and the shank of the stay-loop. At the right, Fig. 1, the layer B is cut away to show stay-loop C as riveted to fold A, and not as yet having its shank covered. It will be observed that the shoulder upon the end of the shank of the stay-loop projects below and hooks upon the edge of layer B, as shown in Figs. 1 and 2. Attached to stay-loop C, Figs. 1 and 2, is stay-fastener D. To this I design to attach the strap that passes over the horse's neck, or the hip-braces which support the breeching.

The stay-loop C, in Fig. 2, is represented with the loop C raised above the plane of fold A, for the purpose of preventing the stay-fastener D from pressing upon the horse.

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

The stay-loop C, with its shouldered shank, in combination with rivet E, fold A, and layer B, substantially as described, for the purpose specified.

ALFRED J. LUND.

Witnesses:

THOMAS CRANE.

D. B. PECK.