

E. PETERS.
Harness-Clamp.

No. 226,782.

Patented April 20, 1880.

Fig. 1

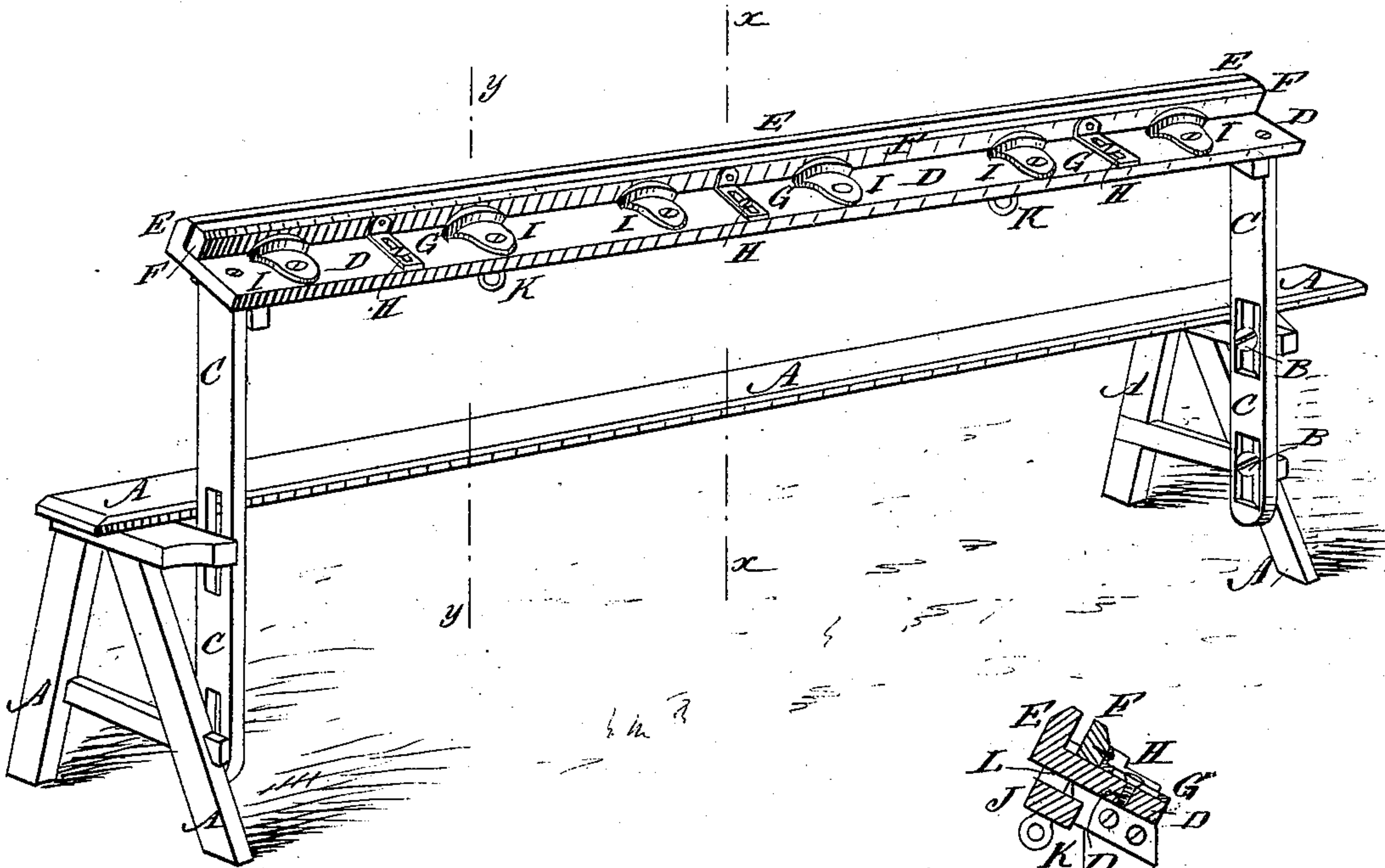


Fig. 2

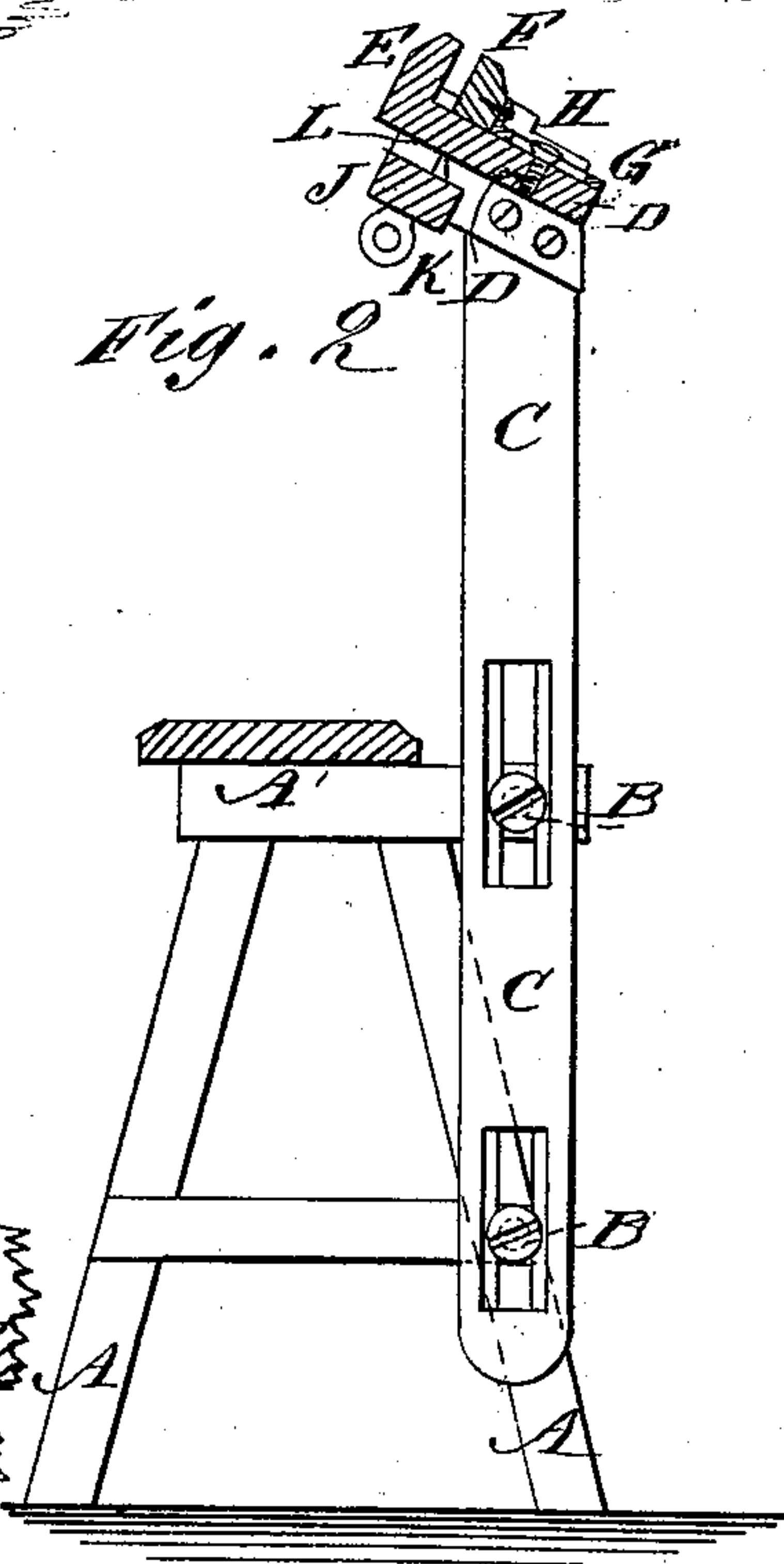


Fig. 3

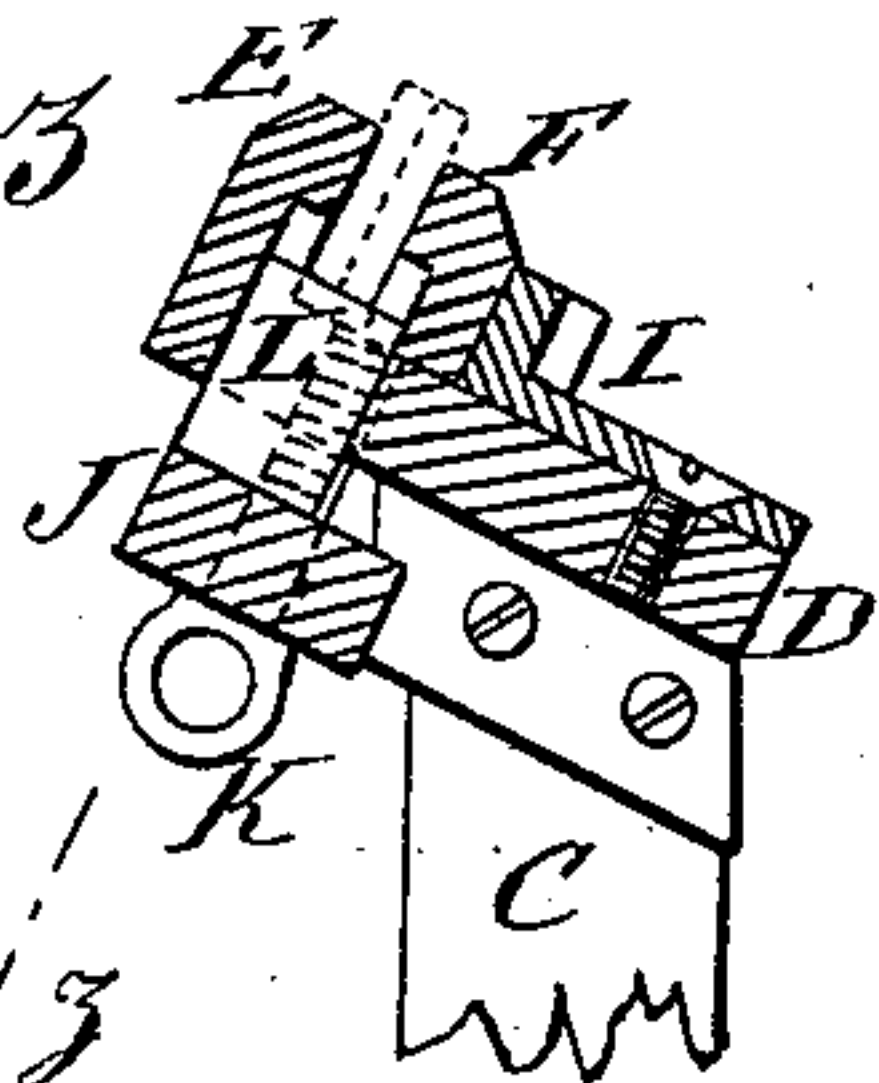
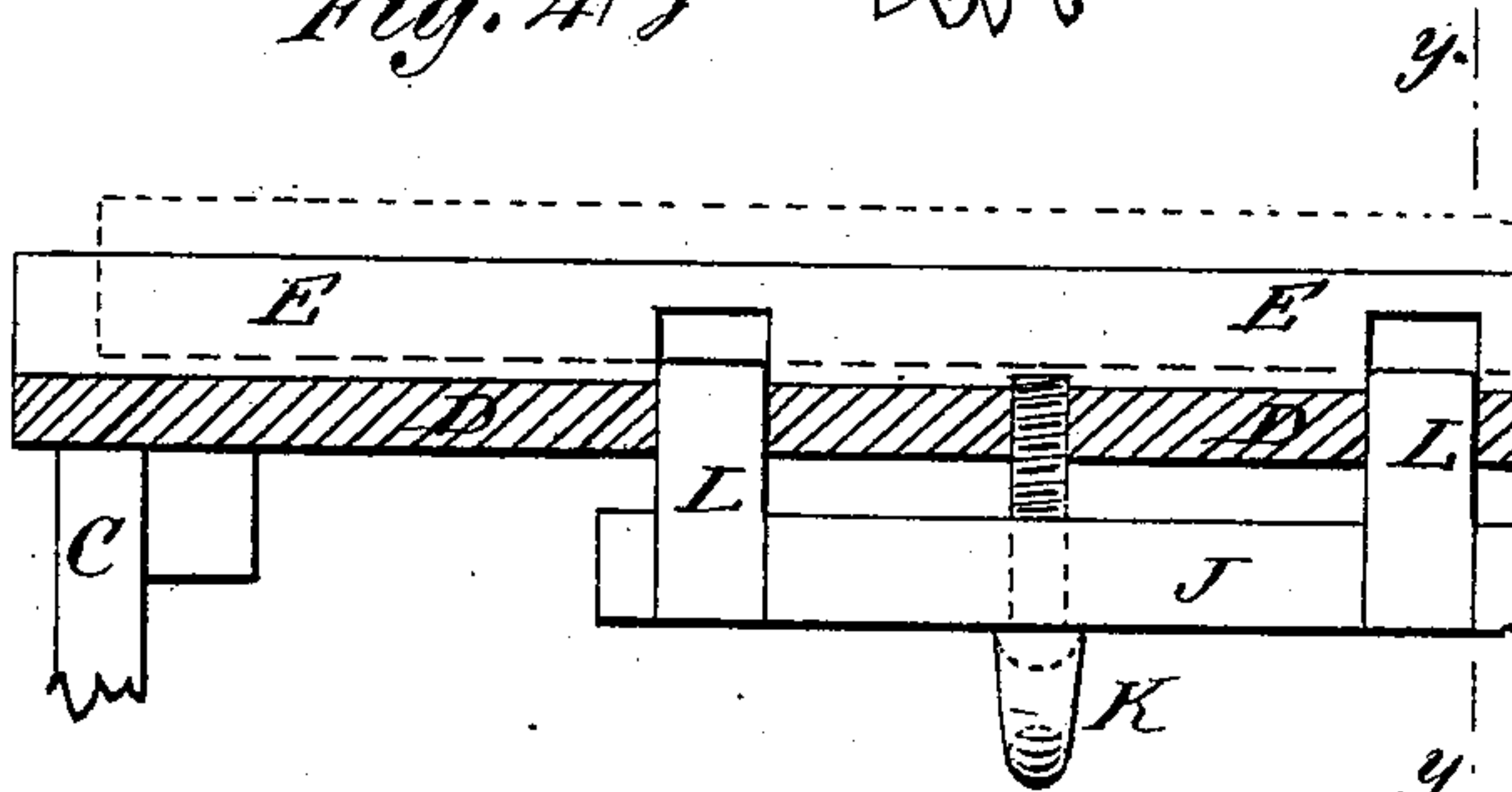


Fig. 4



WITNESSES:

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UNITED STATES PATENT OFFICE.

ENOS PETERS, OF APPLETON, OHIO.

HARNESS-CLAMP.

SPECIFICATION forming part of Letters Patent No. 226,782, dated April 20, 1880.

Application filed December 29, 1879.

To all whom it may concern:

Be it known that I, ENOS PETERS, of Appleton, in the county of Licking and State of Ohio, have invented a new and useful Improvement in Harness-Clamps, of which the following is a specification.

Figure 1 is a perspective view of the improvement. Fig. 2 is a sectional end elevation taken through the line *x x*, Fig. 1. Fig. 3 is a sectional end elevation taken through the line *y y*, Figs. 1 and 4. Fig. 4 is a longitudinal section taken through the line *z z*, Fig. 3.

The object of this invention is to furnish harness-clamps so constructed as to clamp tugs and other long straps of harness for their whole length and hold them securely while being stitched, trimmed, and dressed.

Similar letters of reference indicate corresponding parts.

A represents a bench of suitable length and height. To the end frames of the bench A, at the side of the seat-board, are secured, by bolts or screws B, two uprights or standards, C. The standards C are slotted longitudinally to receive the screws or bolts B, so that the height of the clamps may be adjusted as the size of the operator may require. The upper ends of the standards C are slightly inclined, and to them is attached a board, D, which forms the base of the clamps. To the upper side of the edge of the base D, next the bench A, is permanently attached a long jaw, E. Upon the base D, at the side of the jaw E, is placed the movable jaw F, to the side of which are attached the upper arms of angle-irons G. The lower arms of the angle-irons G rest upon the base D, and are slotted longitudinally

to receive the bolts or screws, H, that secure them to the base D, so that the jaws E F may be adjusted wider apart or closer together, as the thickness of the straps to be operated upon may require. To the base D, at the side of the movable jaw F, are pivoted a number of cams, I, to bear against the outer side of the movable jaw F and clamp the tug or other strap between the jaws E F. Upon the lower side of the base D, beneath the space between the jaws E F, is placed a bar, J, which is secured in place by hand-screws K, so that it may be raised and lowered as required. To the bar J are attached a number of studs, L, which pass up through holes in the base D and enter recesses in the lower parts of the adjacent sides of the jaws E F, which studs L are designed for the lower edges of the tug or strap to rest upon, and which may be raised and lowered as the breadth of the straps may require, to bring the upper edges of the said straps into proper position to be operated upon.

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

1. The combination of the bench A, the standards C, supported thereon, the board D, the long fixed jaw E, the movable jaw F, and the angle-irons G, as shown and described.

2. In a harness-clamp; the combination, with the base D and the movable jaw F, of the slotted angle-irons G, to connect the movable jaw with the base, as shown and described.

ENOS PETERS.

Witnesses:

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