J. G. FLEMING.

Hames-Fasteners.

No. 145,163. Patented Dec. 2, 1873.

Fig. 1.

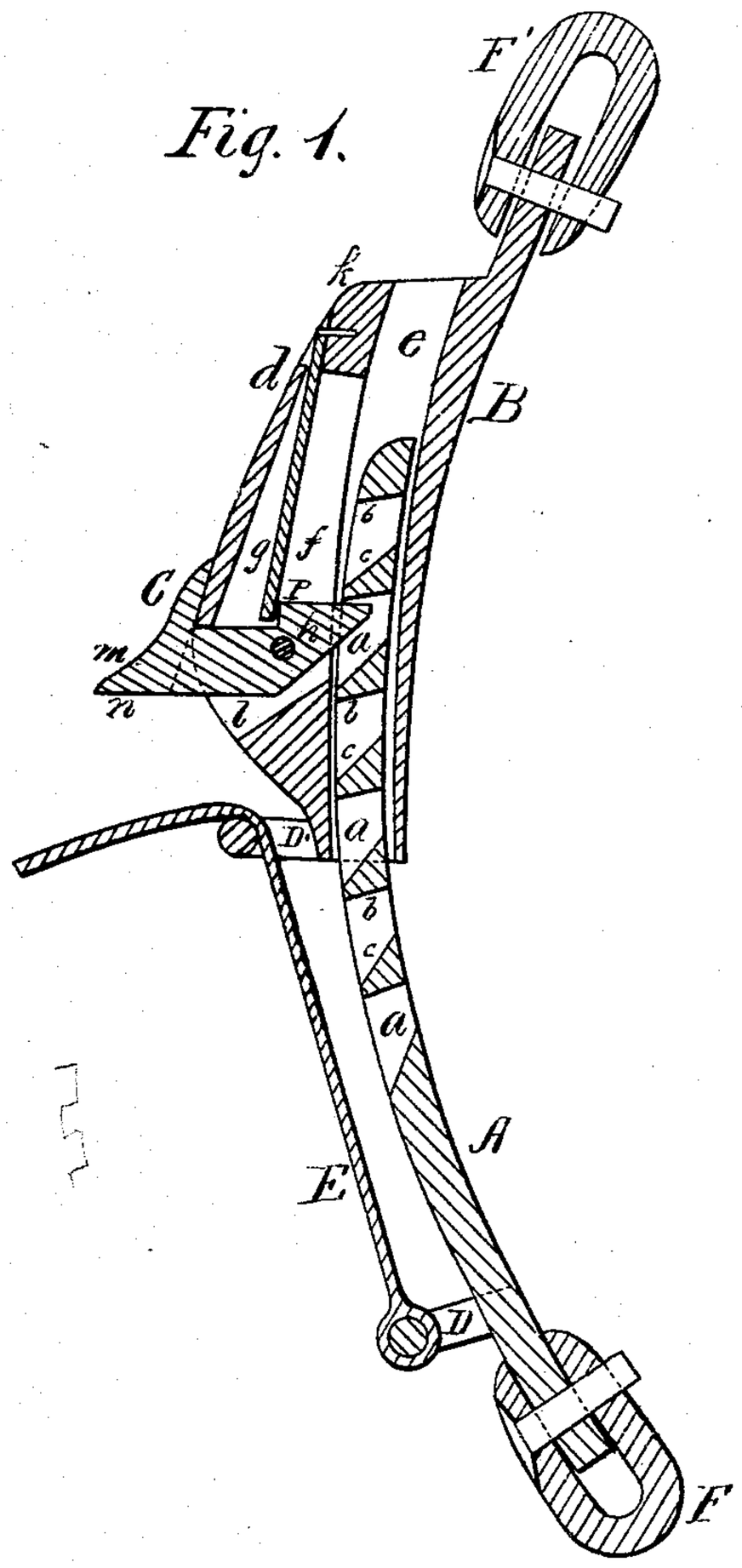
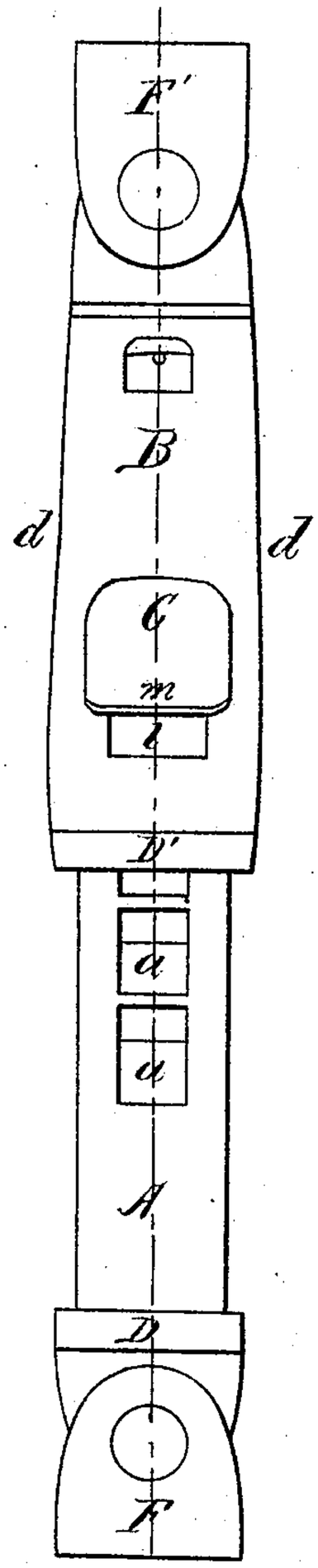


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

JAMES G. FLEMING, OF COCHRANTON, PENNSYLVANIA.

IMPROVEMENT IN HAMES-FASTENERS.

Specification forming part of Letters Patent No. **145,163**, dated December 2, 1873; application filed July 26, 1873.

To all whom it may concern:

Be it known that I, JAMES G. FLEMING, of Cochranton, in the county of Crawford and State of Pennsylvania, have invented a new and valuable Improvement in Hame-Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a sectional view of my hame-fastening. Fig. 2 is a top view of the same.

This invention has relation to means for fastening together the lower ends of the hames of draft-harness; and it consists in the construction and novel arrangement of the thumb attachment and the draw-strap with its loops, as hereinafter more fully described.

In the accompanying drawings, the letter A designates the ratchet-tongue. This consists of a long and narrow plate curved to correspond with the convex form of the lower part of the collar, upon which the hames are fitted. The ratchet is formed by a series of slots, *a*, having each a square and a beveled wall, as indicated, respectively, at *b* and *c*. B indicates the socket-piece. This consists of a metallic block, curved to correspond with the form of the collar, along its inner and thin wall *d*, a curved slideway or slot, *e*, being formed within it, and bounded on the inside by said wall *d* for the reception of the adjustable ratchet-tongue. Communicating with said slideway is a recess, *f*, designed for the reception of the thumb-pawl C and the spring *g*, the former of which is pivoted to the walls of the recess by the pin *h*, and the latter of which is secured to a transverse bar, *k*, of the socket-piece. The outer end of the thumb-pawl C extends through an opening, *l*, of the recess, in which it is pivoted, and this portion is fashioned into a thumb-seat, *m*, having a long flange, *n*, which covers the cleft between the pawl and the edge of the opening *l* when the former is pulled back, and prevents accidental pinching of the thumb in said cleft. The pawl is provided on the side next the spring with a shoulder, *p*, with which the end of the spring engages. D D′ indicate loops, respectively attached to the tongue A and the socket B. To the former the draw-strap E is secured, which, passing through the latter, serves to enable the tongue to be drawn into the socket, thereby bringing the ends of the hames together. F F′ designate clips, by means of which the pieces A and B are secured to the hames.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination, with the curved ratchet-tongue A and socket B, of the thumb-pawl C, loops D D′, and draw-strap E, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES G. FLEMING.

Witnesses:
DAVID ADAMS,
JOHN H. ADAMS.