

J. McLEAN.
Harness Buckles.

No. 137,558.

Patented April 8, 1873.

Fig. 1.

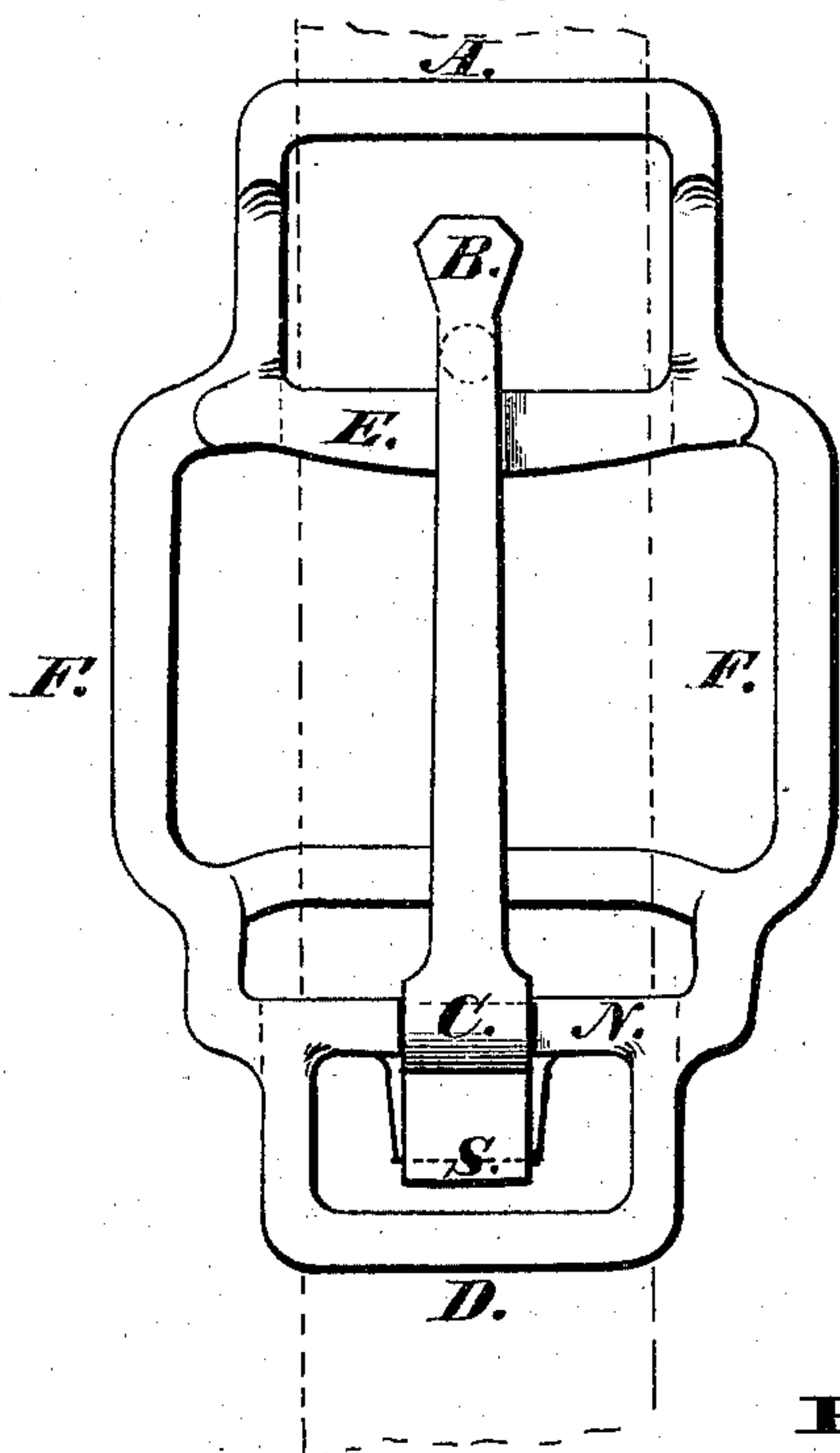


Fig. 3.

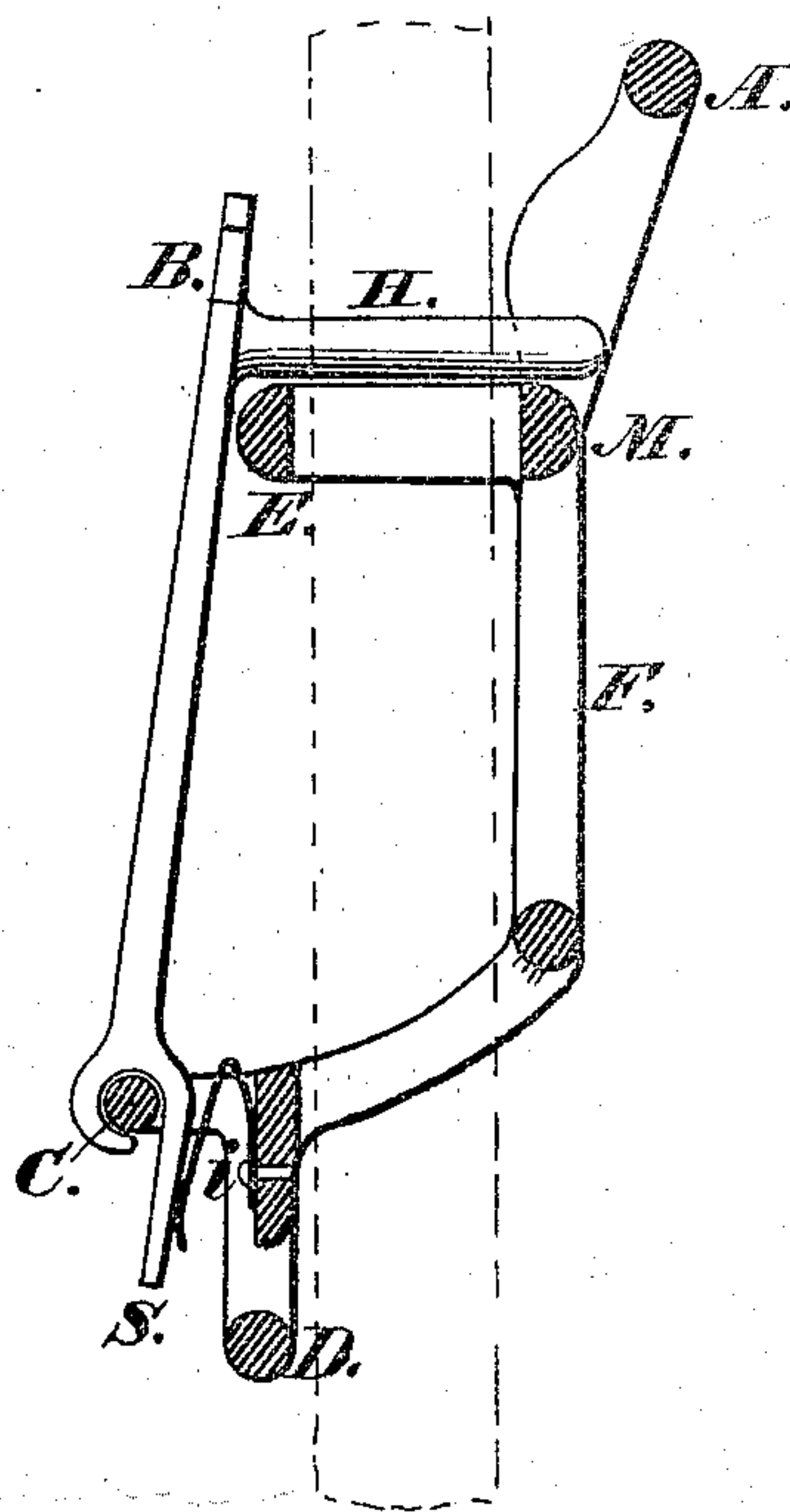
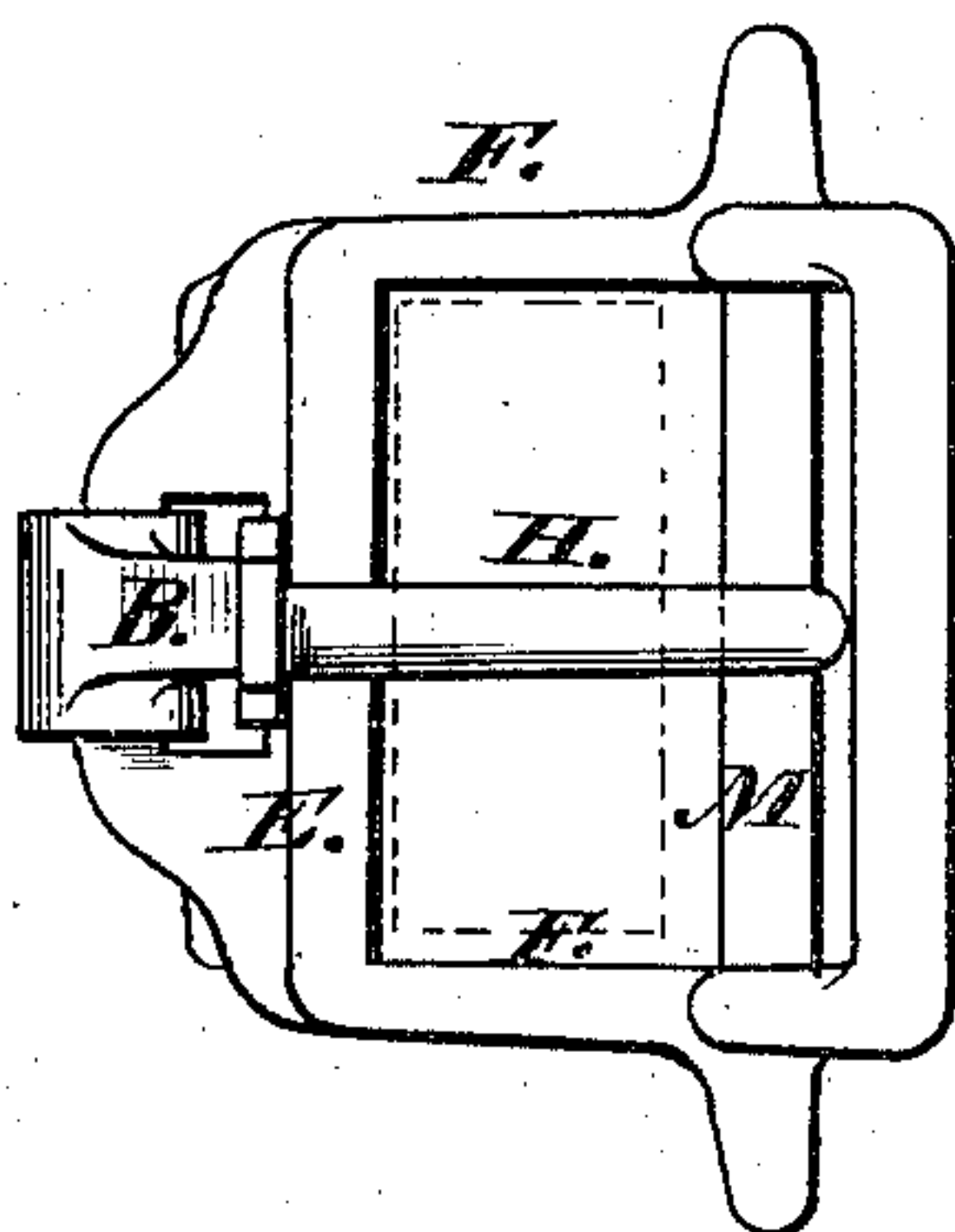


Fig. 2.



Witnesses.

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JAMES McLEAN, OF MEADVILLE, PENNSYLVANIA.

IMPROVEMENT IN HARNESS-BUCKLES.

Specification forming part of Letters Patent No. **137,558**, dated April 8, 1873; application filed November 29, 1872.

To all whom it may concern:

Be it known that I, JAMES McLEAN, of the city of Meadville, county of Crawford, State of Pennsylvania, have invented a new and Improved Buckle for Harness; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and the letters of reference marked thereon.

Figure 1 is a top view of my buckle. Fig. 2 is an end view, and Fig. 3 a side and sectional view, of the same.

H B C is the tongue, which is hung on a hinge or pin at C, the end S of the same projecting beyond the pin; and under this is a V-shaped spring, *i*, which presses up under s, thereby keeping the tongue C B H "shut," as shown at Fig. 3. A spiral spring may be used instead of the V-shaped spring *i*. A F F D, Fig. 1, is the frame or body of the buckle, A and D forming "loops" for the hame-strap and side strap, while F and F form loops for the "back-strap" and "belly-band." The part B of the tongue projects beyond H, as shown, forming "thumb-piece" to lift the tongue up or out of the strap or lug. The part H of the

tongue is nearly or quite at right angles to B, and passes through the lug or strap, the lower point resting against M, a part of the frame of the buckle being a cross-piece of the said frame; E, another cross-piece of the buckle, rests in the angle of the tongue; and as A is the forward end of the buckle, or where the "hame"-strap is attached, it is evident that the strain or "drawback" will come on the tongue H between E and M, which support the tongue H.

When it is desired to take up or let out the "tug" or strap by this peculiar construction, the buckle is easily released or loosened.

What I claim as my invention, and desire to secure by Letters Patent is as follows, to wit:

A buckle-frame having cross-bars E M, arranged to operate in combination with the tongue B H, so that the strain on the latter is relieved by the cross-bars in the manner specified.

JAMES McLEAN.

Witnesses:

A. B. RICHMOND,
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