(No Model.)

J. W. HUDSON.

HAME.

No. 295,012. Patented Mar. 11, 1884.

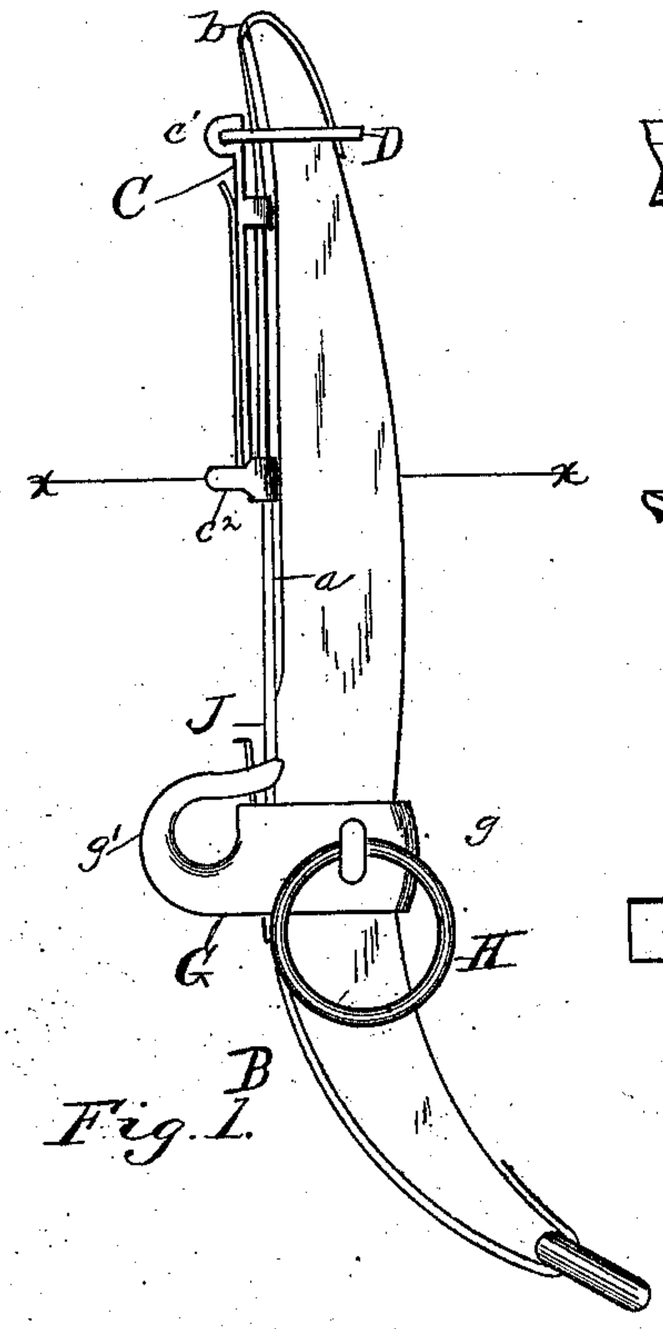

Fig. 1.

Fig. 2.

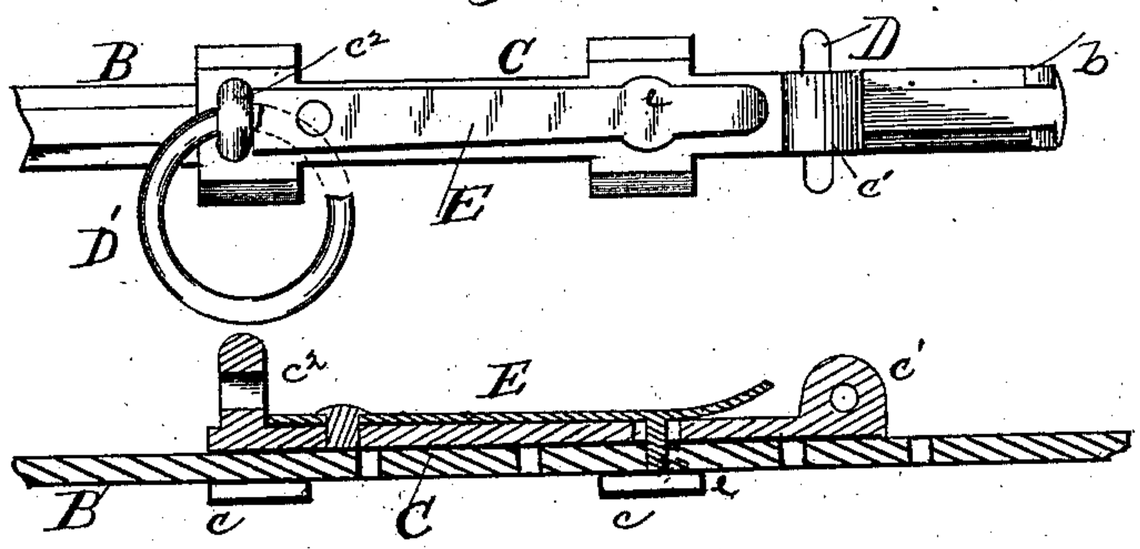

Fig. 3.

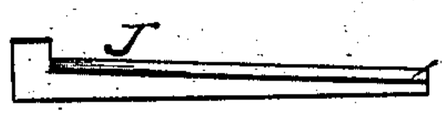

Fig. 4.

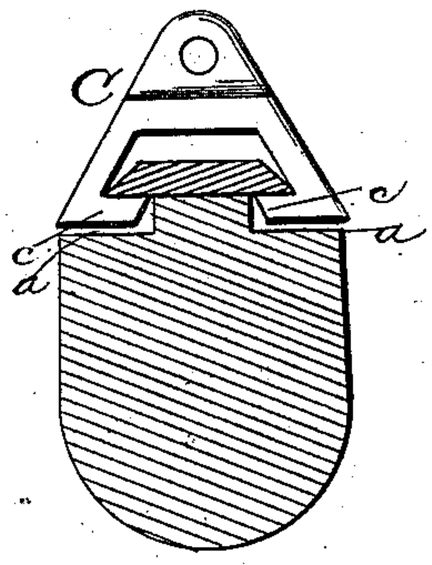

Fig. 5.

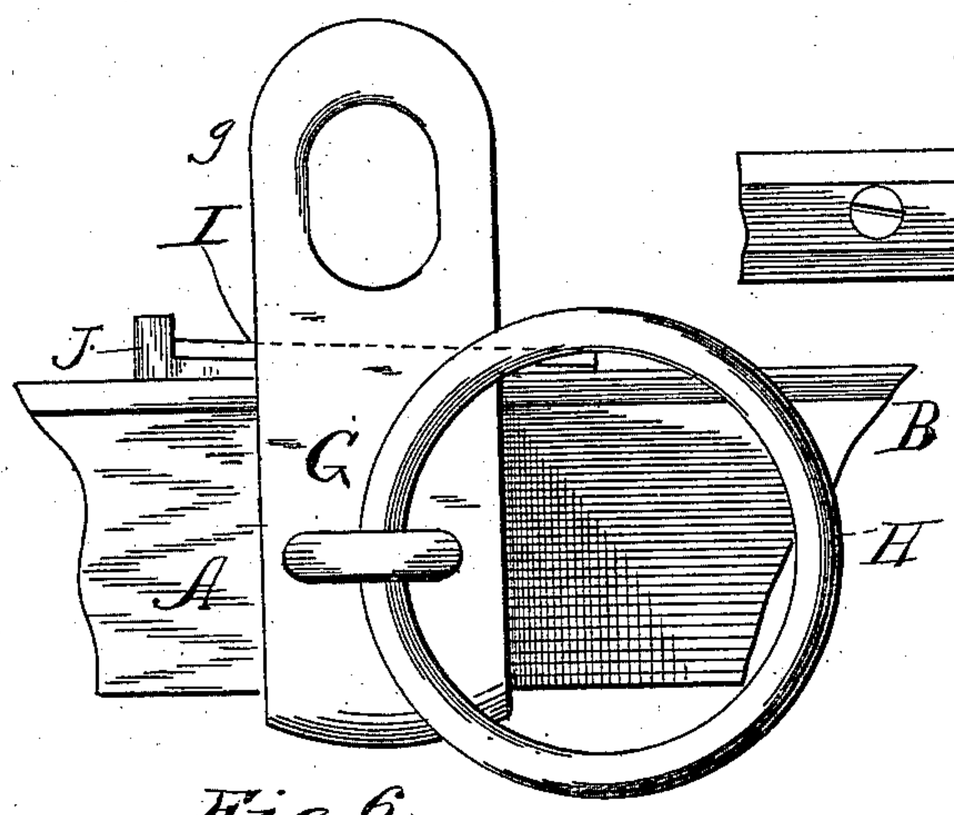

Fig. 6.

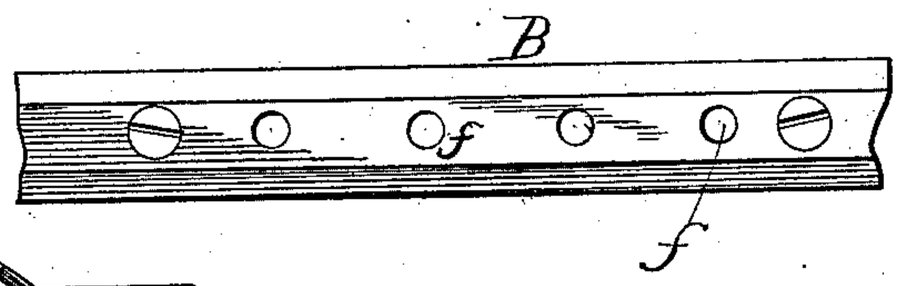

Fig. 7.

Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN W. HUDSON, OF WELLINGTON, ILLINOIS.

HAME.

SPECIFICATION forming part of Letters Patent No. 295,012, dated March 11, 1884.

Application filed January 19, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. HUDSON, a citizen of the United States, residing at Wellington, in the county of Iroquois and State of Illinois, have invented certain new and useful Improvements in Hames; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to hames for harness; and the novelty consists in the construction and arrangement of parts, as will be more fully hereinafter set forth, and specifically pointed out in the claim.

The invention is designed as an improvement upon the device patented to me in 1881, No. 242,777. In that device the locking means for the adjustable slide stood out at right angles to the plane of the slide. I have found that this projecting portion not only is liable to catch the reins, but that the spring used was too weak to insure that the slide should be kept in a locked condition. In the present invention I provide a strong flat spring, which carries the locking nib or bolt, being preferably formed in one piece therewith, said spring being secured to the slide and lying flat upon the same. By this construction there is no liability to loss of parts, as they are permanently secured together, and there is no projecting portion, the whole giving a neat appearance.

In the accompanying drawings, which form a part of this specification, Figure 1 is an elevation of the invention; Fig. 2, a face view, and Fig. 3 a longitudinal section through a part; Fig. 4, a detail view of the wedge; Fig. 5, a cross-section on the line *x x* of Fig. 1; Fig. 6, an enlarged view of a portion, and Fig. 7 a detail elevation of a portion of the iron.

Referring to the drawings, in which similar letters of reference indicate like parts in all the figures, A designates the wood-work of the frame, cut away at *a*, as shown; and B, the iron-work, bent over the ends of the wood at each end and secured thereto, and cut away at *b*, to allow the arms *c* of the slide C to engage the iron and pass in either direction in the groove *a*. The slide C has bearings *c'* for the upper hame-strap loops, D, and a bearing, c^2, for the iron ring D'.

E designates a flat spring secured to the slide C, and it is formed with a bolt, *e*, which, passing through the slide C, operates in any desired hole, *f*, of a series to adjust the slide to horses or collars of different sizes, and this action adjusts the strap-loop D and the rein-ring D' at the same time.

G designates the draft-clip, having hook or loop *g*, for attachment of the draft, and a bearing, *g'*, for the holdback-ring H. This clip is made in a single piece—that is to say, it comprises a closed band of proper conformation to accommodate the contour of the hame at that point, and it has an internal V-shaped bearing, I, in which operates a wedge, J, as shown.

From the foregoing description it will be observed that the gist of the invention lies in the construction and formation of the spring and locking-bolt secured to and lying flat upon the slide. The bearing c^2 of the slide C, being in one piece with and cast around the line-ring D', makes the latter less liable to be rubbed or broken off, avoids riveting, and generally makes a more durable construction, besides facilitating the manufacture.

What I claim as new is—

In combination with the parts A *a*, as shown, and the iron B, having a series of apertures, *f*, the slide C, having attachments D D' and arms *c*, and the flat spring E, secured to said slide, and having bolt *e*, as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN W. HUDSON.

Witnesses:
JOHN D. ROTHGEB,
LEVI B. DELL.