(No Model.)

J. W. HUDSON.

HAME.

No. 243,777. Patented July 5, 1881.

Fig. 1.

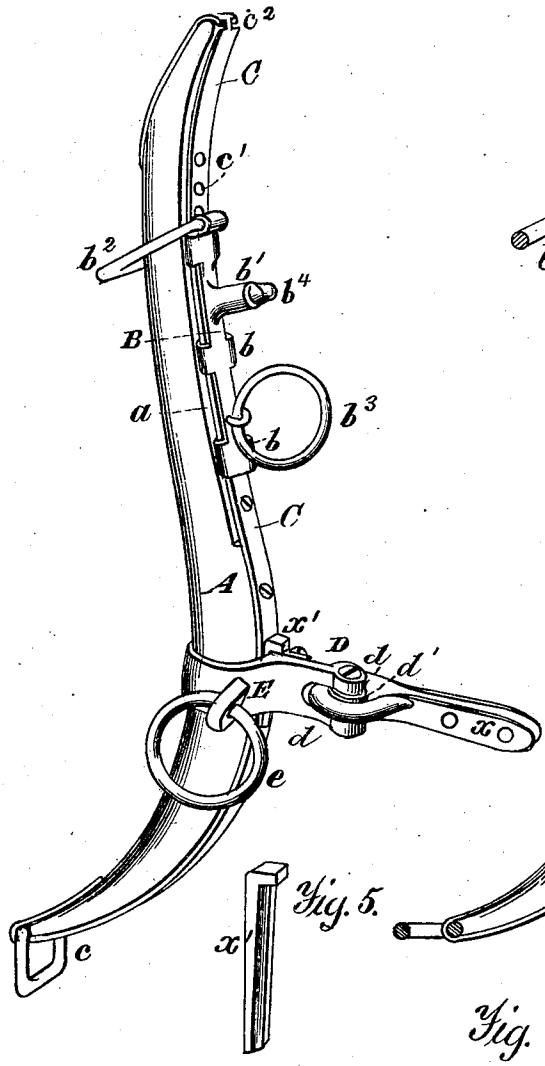


Fig. 2.

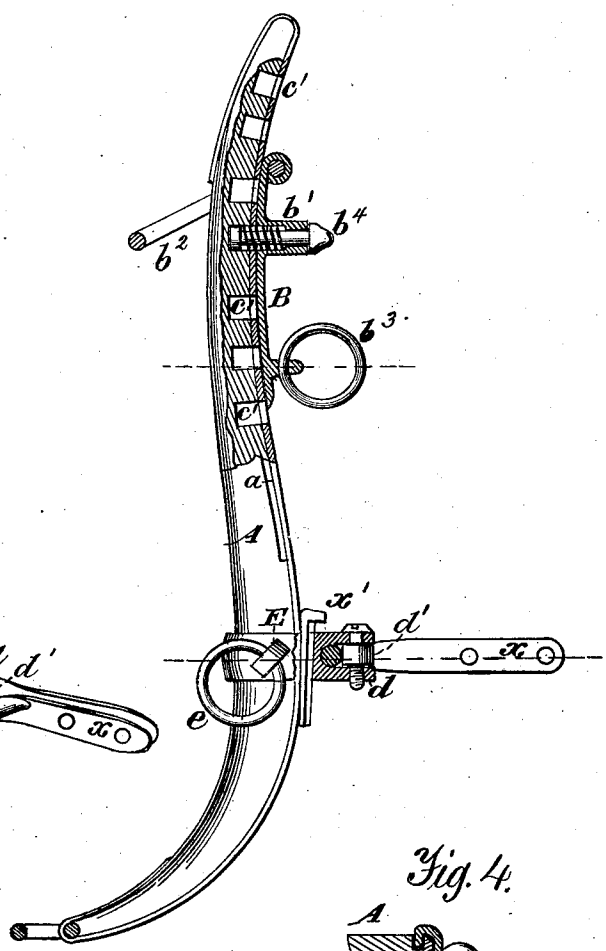


Fig. 5.

Fig. 4.

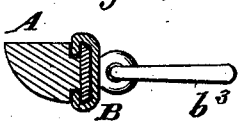
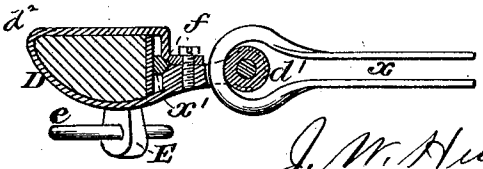


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN W. HUDSON, OF WELLINGTON, ILLINOIS.

HAME.

SPECIFICATION forming part of Letters Patent No. 243,777, dated July 5, 1881.

Application filed May 20, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. HUDSON, a citizen of the United States of America, residing at Wellington, in the county of Iroquois and State of Illinois, have invented certain new and useful Improvements in Hames; and I do hereby 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 letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to a hame for harness, (single or double,) adapted for service with the ordinary horse-collar; 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 claims.

The object of the invention is to provide an efficient, useful, simple, and convenient hame, both the tug-fastening and holdback-ring, as well as the rein-ring, of which are readily adjusted upon the hame vertically, according to the size of the horse, the quality of service to be performed, and the tastes of the driver, at will; and to this end the invention consists in the mechanisms which are fully shown in the accompanying drawings, which form a part of this specification, and in which—

Figure 1 represents a side elevation, partially in section. Fig. 2 is a view, partially in section, of Fig. 1; Fig. 3, an end section of the draft-bracket detached, and Fig. 4 a detail view. Fig. 5 shows a key employed in connection with the draft-bracket.

To enable others skilled in the art to which this invention relates to make and use my invention, I will now describe its construction and mode of operation; and to this end I refer to the drawings, in which similar letters of reference indicate like parts in all the figures.

A represents the stock or wooden portion of the hame, cut away at *a* to receive the clamp-hooks *b* of the sliding frame B, which has a socket, *b'*, as shown.

C represents the metal mounting secured to the outside of the stock, having the lower strap-loop, *c*, and being provided with holes *c'* at such proper distances apart as will allow a proper adjustability of the sliding frame B, which is held in any desired position by means of a double-headed pin, b^4, which enters the holes *c'*, and is held locked therein by the constant force of a spring or other suitable means. At the upper end of the hame the mounting is cut away upon each side, as shown at c^2, to allow the sliding frame to be removed or replaced at will.

At the upper end of the sliding frame B is secured the upper strap-loop, b^2, and near the lower end thereof is attached the rein-ring b^3. By means of this construction I am enabled to adjust the upper hame-strap and rein-ring to suit different-sized horses and different collars, the change being readily, quickly, and effectually made.

D represents the body of the draft-bracket, having bifurcated arms *d*, in which is journaled or secured a shaft carrying an anti-friction roller, *d'*, which allows tug-loop *x* to play easily upon the bracket. From the body D the bracket is extended inward to conform to the general contour of the oval or front side of the frame, and to this part is attached at a proper incline the perforated ear E, carrying the breast-ring *e*. From the acute edge d^2 of the draft-bracket the extension runs under the hame and turns abruptly forward, terminating with a perforated plate, which is secured to the body D by readily-removable screws. This bracket slides easily upon the hame, and is held in any desired location, according to size of horse and condition of shoulders and breast, by means of a headed inclined V-shaped key, *x'*, which fits into a correspondingly-formed recess, *f*, at the junction of the body D with the free end of the draft-bracket.

Various modifications in details of construction may be made without departing from the principle of my invention or sacrificing the advantages thereof, the essential features of which are the adjustable frames B D.

From the foregoing description the operation of my invention is obvious.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. The combination of the frame B, having clamp-hooks *b* and pin-socket *b'*, the upper strap-loop, b^2, and rein-ring b^3, combined with the stock A, cut away at *a*, the mounting C,

having holes c' and recesses c^2, and with the locking spring-pin b^4, the whole combined, adapted, and arranged to serve as and for the purposes set forth.

2. The draft-bracket described, consisting of the body D, arms d, roller d', and recess f, combined with the perforated ear E, breast-ring e, tug-loop x, and V-shaped wedge-key x', and with the hame-body, as and for the purposes substantially as set forth.

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

JOHN WESLEY HUDSON.

Witnesses:
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