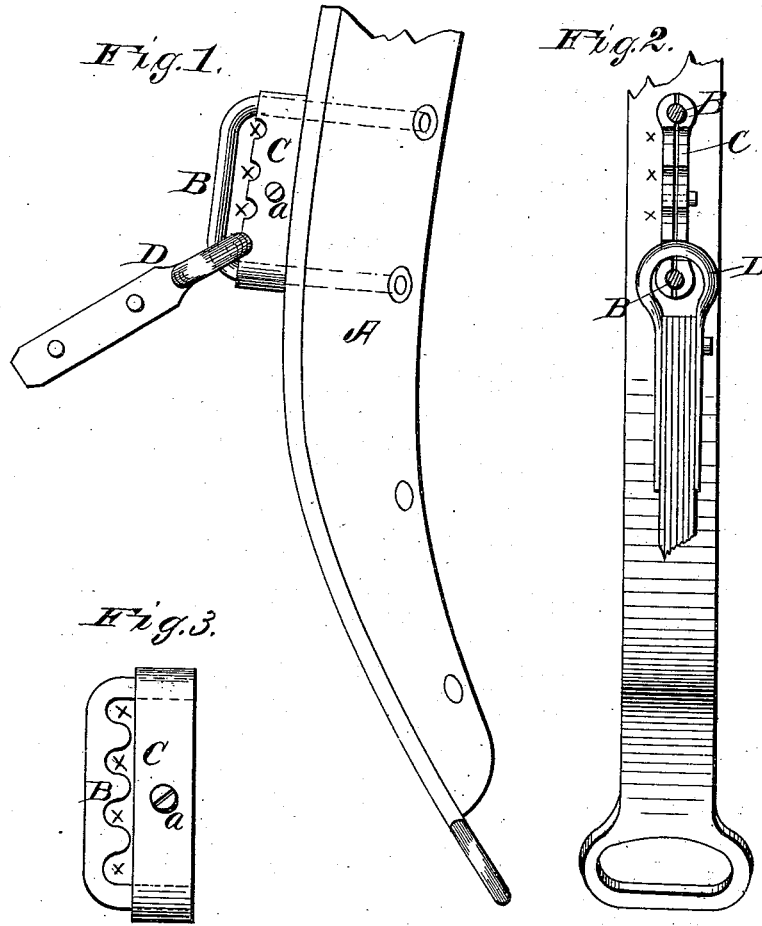


J. A. CHURCHILL.
HAMES.

No. 187,099.

Patented Feb. 6, 1877.



WITNESSES
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By
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UNITED STATES PATENT OFFICE.

JOHN A. CHURCHILL, OF COUNCIL BLUFFS, IOWA.

IMPROVEMENT IN HAMES.

Specification forming part of Letters Patent No. **187,099**, dated February 6, 1877; application filed August 2, 1876.

To all whom it may concern:

Be it known that I, JOHN A. CHURCHILL, of Council Bluffs, in the county of Pottawatomie, and in the State of Iowa, have invented certain new and useful Improvements in Hames; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to hames; and it consists in the construction of a clasp for adjusting the hame-tug at any height desired, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front view of a hame embodying my invention. Fig. 2 is a side view of the same. Fig. 3 shows a modification of my invention.

A represents part of an ordinary hame, from the outer edge of which projects an iron staple, B, made elongated, as shown. C C represent two metal plates, which are placed on opposite sides of the staple B, and fastened together by one or more screws or bolts, *a*. These plates are grooved at the ends, so as to fit over the arms of the staple, as shown in Fig. 2, and the

outer edges of the plates are provided with a series of notches, *x x*. D represents the metal loop on the end of the hame-tug, which loop is placed in the staple B, and movable from top to bottom thereof when the plates C C are removed. By means of these plates the tug-loop may be held at any height desired on the staple, the loop resting in one of the notches *x*; and when the plates are fastened the loop can move neither up nor down.

The notches *x* may be formed in the staple, as shown in Fig. 3, in which case the edges of the plates C are made straight. The notches or corrugations in the staple may also be formed by simply bending the rod of which the staple is made.

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

The combination of the two plates C C, fastened together with one or more bolts or screws, and the staple B, said plates or the staple being provided with notches *x x*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 18th day of July, 1876.

JOHN A. CHURCHILL.

Witnesses:

JNO. H. KEATLEY,
FRANK STREET.