

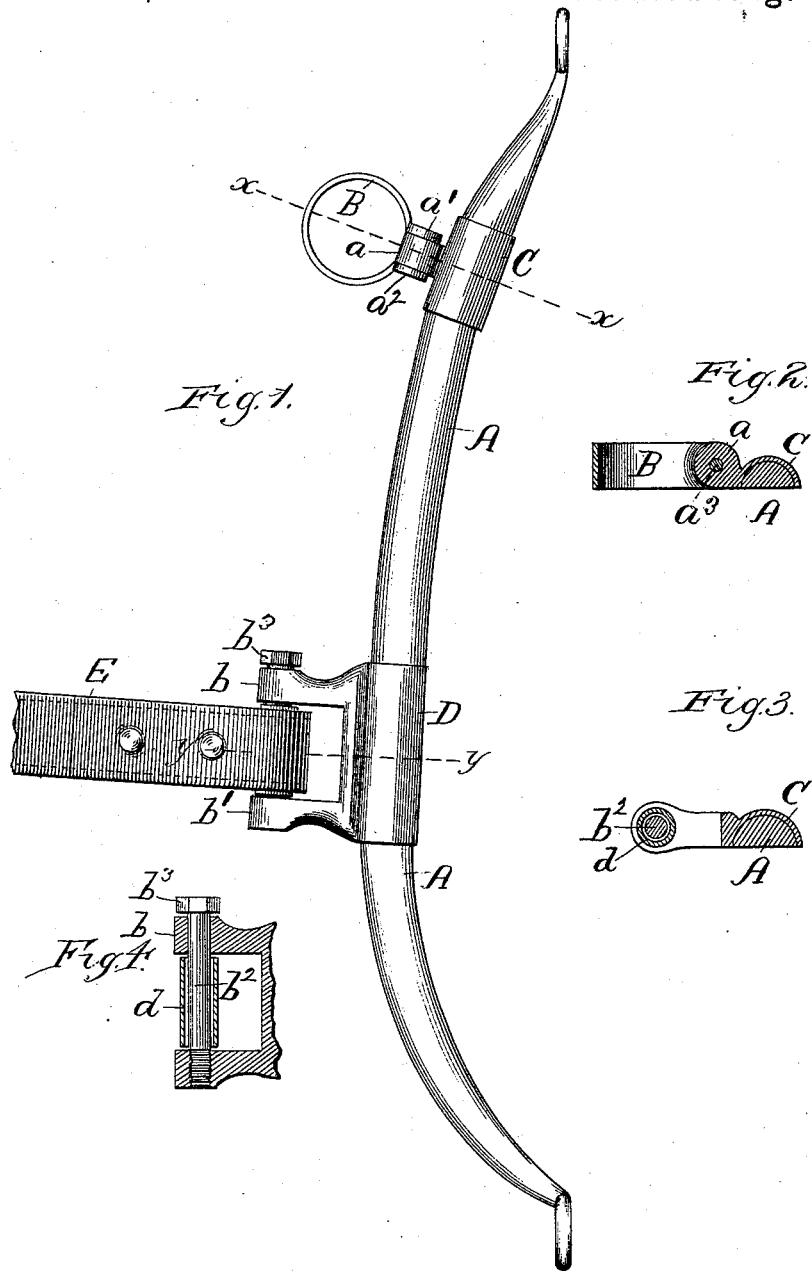
(No Model.)

C. H. FIELDS.

HAME.

No. 303,565.

Patented Aug. 12, 1884.



Witnesses.

Will R. Omohundro.
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Inventor

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UNITED STATES PATENT OFFICE.

CHARLES H. FIELDS, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO
EDWARD L. TURNER, OF SAME PLACE.

HAME.

SPECIFICATION forming part of Letters Patent No. 303,565, dated August 12, 1884.

Application filed December 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. FIELDS, of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Hames, of which the following is a full, clear, and exact description, that will enable others to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

This invention relates to an improved attachment for hames; and it consists of the manner of constructing and attaching the rein or strap ring, so that the same is adapted to have a pivotal action and readily adjust itself to different positions.

Figure 1 is an elevation of a hame-bar embodying my improved features; Fig. 2, a horizontal transverse section in the plane xx , Fig. 1; Fig. 3, a horizontal transverse section in the plane yy , Fig. 1, with the leather tug removed; and Fig. 4, a vertical transverse section of the bolt and parts securing the leather tug to the hame-bar.

Referring to the drawings, A represents the hame-bar; B, a ring through which the reins or lines are passed; C, a clip-iron securing said ring with relation to the hame, and D a clip receiving the leather tug E. The clip-iron C may be rigidly secured to the hame-bar in any suitable manner, and is provided with the lateral projecting lug a , which is inserted between the flanged ends a' a'' of the ring B, both being perforated for the passage of the rivet a^3 , detachably securing these parts together. A bolt may be used instead of a rivet; but in either case the object to be attained is to impart a pivotal action to the ring, so that it will adjust itself to different positions, and thus obviate the danger of the same being broken by coming in contact with some other object, as is the case when the ring is rigidly secured to the clip or hame. Where the ring is rigidly secured and is accidentally broken, the intermediate parts, as well as the ring, must be newly supplied, thus causing great inconvenience as well as expense. By

my arrangement the ring is not liable to be broken; but in case it should be it may be easily and quickly replaced by another without having to interfere with the clip or hame. The clip D, rigidly secured to the lower part of the hame-bar, is provided with the short projecting arms b b' , the outer ends of which are perforated in order to receive the bolt b^2 , having the head b^3 on the upper end, while the lower end is threaded and engages with a correspondingly-threaded aperture in the lower arm, b' , as shown in Fig. 4 of the drawings. That part of the bolt b^2 between the two arms of the clip D is provided with the loose-fitting sleeve d , adapted to have a free rotary movement on said bolt. This intermediate sleeve acts as a friction-roller between the bolt and leather tug, and readily adjusts itself to the movement of these parts and prevents the eye in the tug from wearing. All the wear is confined to the contacting surfaces of the bolt and sleeve, both of which may be conveniently replaced by new parts when the same have become so worn that they are no longer serviceable. This arrangement permits of the tug being readily attached to or detached from connection with the hame by simply taking out the bolt b^2 . By this form of construction the clip D need not be removed from its permanent position on the hame when it becomes necessary to repair these parts.

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

The combination, with a hame-bar, of the clip-iron C, provided with the perforated lug a , of the ring B, having the flanged ends a' a'' , correspondingly perforated for the insertion of the rivet a^3 , whereby these parts are detachably secured with relation to each other, and a pivotal action imparted to the ring B, substantially as and for the purpose set forth.

CHARLES H. FIELDS.

Witnesses:

L. M. FREEMAN,
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