

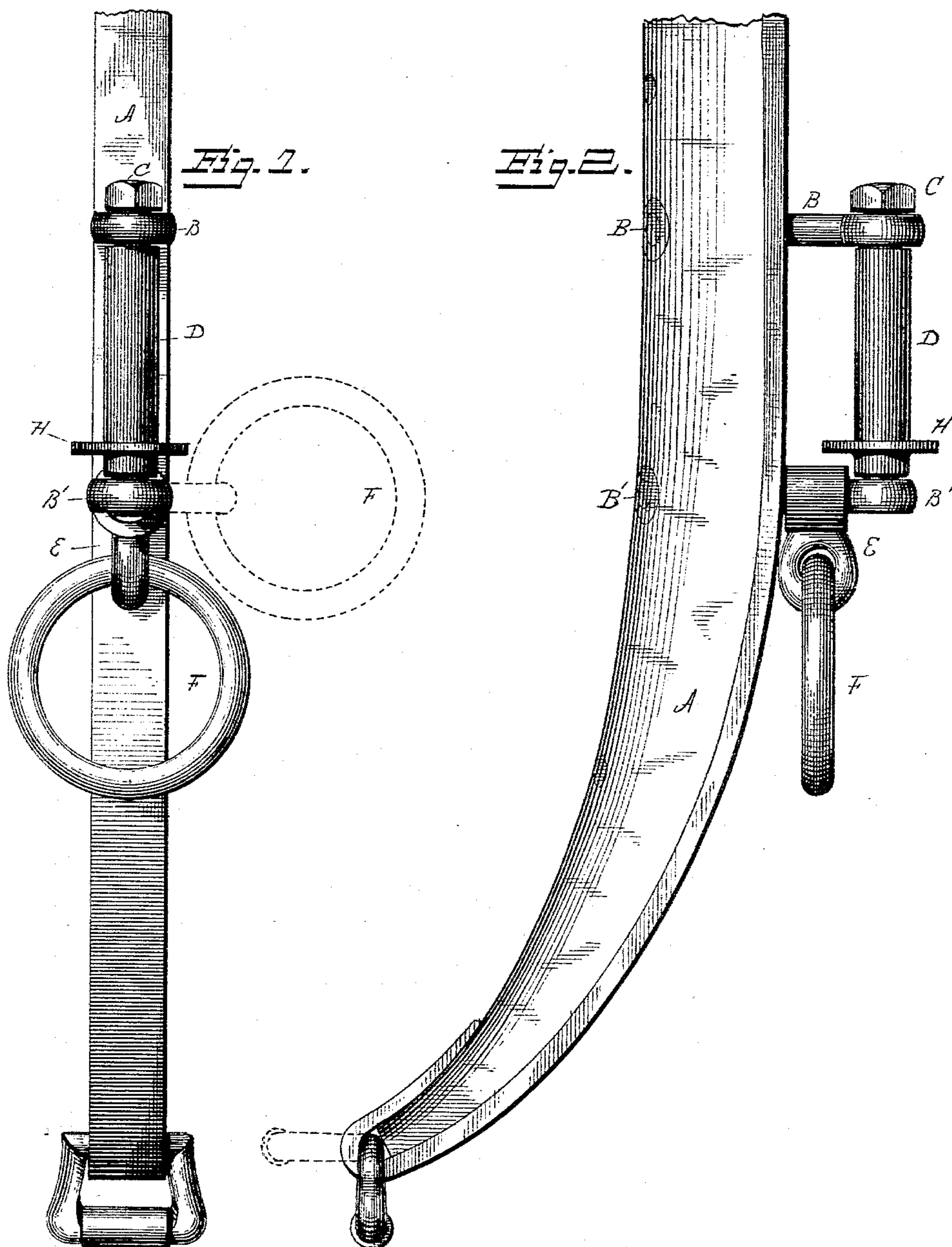
(No Model.)

G. H. BARTLETT.

HAME.

No. 315,891.

Patented Apr. 14, 1885.



Witnesses:

L. G. Hills.
W. B. Masson.

Inventor:

George H. Bartlett.
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Atty.

UNITED STATES PATENT OFFICE.

GEORGE H. BARTLETT, OF SUNAPEE, NEW HAMPSHIRE.

HAME.

SPECIFICATION forming part of Letters Patent No. 315,891, dated April 14, 1885.

Application filed February 24, 1885. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. BARTLETT, a citizen of the United States, residing at Sunapee, in the county of Sullivan and State of New Hampshire, 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 consists in combining with the neck of the lower start, between the hame and the lower end of the sleeve of the draft-bolt, a loose sleeve having an eye carrying the pole-strap ring, the latter thereby being independent of the draft-bolt and free to move in any direction, bringing the strain of the pole-strap centrally on said start, and obviating the liability of its being bent, broken, or drawn out.

My invention further consists in providing the sleeve of the draft-bolt with a rigid washer, located some distance above the lower end of said sleeve, thus both holding the tug at a desirable elevation and preventing it from being worn or cut by said ring or eye, which have free play below.

In the drawings, Figure 1 is a side elevation of a section of a hame with the improvement attached. Fig. 2 is a front elevation of the same.

Like letters refer to like parts.

A represents a sectional side of a hame, and B B' the upper and lower starts. Between these is the usual draft-bolt, C, which is surrounded by a turning sleeve, D. Some distance above its lower end there is a rigid or integral washer, H. To the neck of the lower start, B', a loose sleeve, E, having an eye, is applied, the eye and its sleeve being in one piece. Through this eye the pole-strap ring F passes, the use and connection of which, by means of a strap, with the pole will be readily understood. By attaching the ring F to the eye of the loose sleeve on the neck of the

lower start, as shown, the strain of the pole-strap will be brought centrally on said start, and it will not be bent, twisted, broken, or wrenched out of the hame. The loose sleeve strengthens rather than weakens, and readily adjusts itself in the direction of the draft, so that there is a straight pull. At the same time the ring is free to move in any direction likely to be required. It will be seen that the washer H is sufficiently high on the sleeve to hold the tug at a desirable elevation and prevents it from being chafed or cut by the eye or ring, and there is ample room below said washer for the play of the two latter.

In the arrangement shown malleable iron may be dispensed with for the starts, and they may be forged easily from wrought-iron, giving greater strength and weakening the hame as little as possible. The loose sleeve intervening, the ring does not come directly on the start to wrench or wear it, and they may be made straight, which is preferable in every way.

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

1. The combination, with the neck of the lower start, of the loose sleeve provided with an eye carrying the pole-strap ring, as set forth.

2. The combination, with the draft-bolt, of the sleeve having a rigid washer located above its lower end, substantially as shown, and the lower start having about its neck a loose sleeve provided with an eye carrying the pole-strap ring, as set forth.

3. The combination, with the hame A, of the upper start, B, the draft-bolt C, provided with sleeve D, having the rigid washer H located above its bottom, and the lower start, B', having about its neck the loose sleeve E, provided with an eye carrying the pole-strap ring, as set forth,

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

GEORGE H. BARTLETT.

Witnesses:

W. C. STUROC,
GEO. E. DAME.