

C. H. EASTE.  
HAME ATTACHMENT.

No. 102,100.

Patented Apr. 19, 1870.

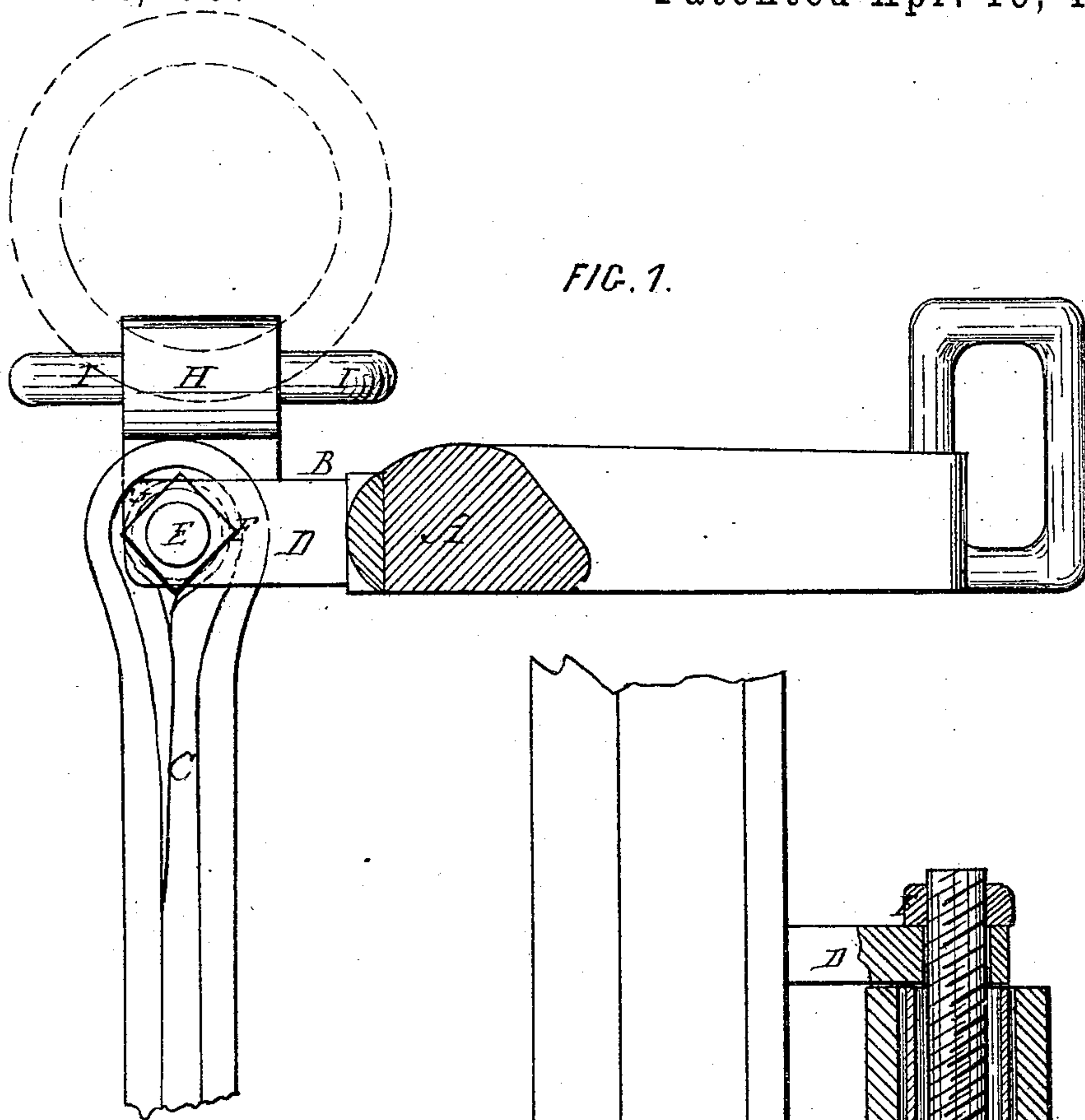
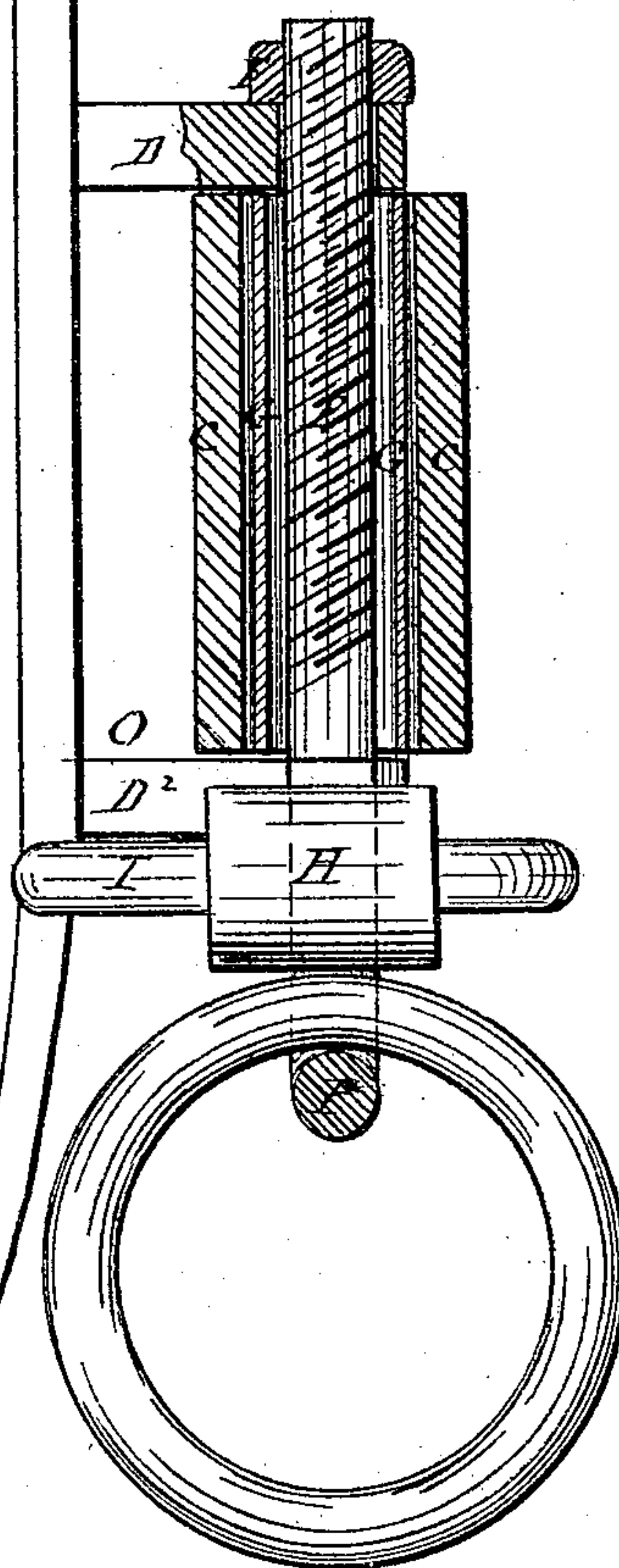


FIG. 1.

FIG. 2.

A.



Witnesses.  
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Letters Patent No. 102,100, dated April 19, 1870.

## IMPROVED HAME-ATTACHMENT.

The Schedule referred to in these Letters Patent and making part of the same.

*To all persons to whom these presents shall come:*

Be it known that I, CHARLES H. EASTE, of South Boston, in the county of Suffolk and State of Massachusetts, have invented a certain new and improved Hame-Attachment; and that the following is a full and exact description of the same, reference being had to the accompanying plate of drawings.

The attachment for hames, embraced in this invention is more particularly designed for use in harnesses for horses of street-cars, heavy teams, &c.

This invention consists of an independent staple or eye, which is hung on the bolt which holds the tug-strap, and is adapted to carry a ring to which the pole-chains or straps are hung, in such a manner that the ring and chains will be held off from the hame, collar, tug-straps, and other parts of the hame, and thus wear and injury thereto are prevented. The staple or eye, as located, possesses great strength for the purpose intended.

Heretofore these pole-chain rings of the hame have been hung directly to those parts of the hame carrying the tugs or traces, and thus being in position to bear against the tugs, wore them away, as also the parts carrying them, and the hame itself; by the present invention, however, this wearing away of the said parts is entirely obviated.

In the accompanying plate of drawings my improved hame-attachment is illustrated,

Figure 1 being a plan view of the attachment, showing the tug-strap and its hanging, together with a part of the hame; and

Figure 2, a view of the above in partial elevation and vertical section.

A, in the drawings, represents a portion of the hame, and

B, the part thereof for the tug-strap O, this part being constructed in the ordinary manner of fixed projecting bearings D D<sup>2</sup>, connected together by a

screw-bolt, E, fastened by a nut, F, and surrounded, between the said bearings, by a loose sleeve, G, which the loop of the tug surrounds;

H, an eye at under side of lower bearing D<sup>2</sup> of hame hereinbefore referred to, and is independent thereof but fastened thereto by and through the said bolt E.

This eye H is beyond the hame, and in it is hung a ring, I, to receive a pole-chain or strap, and thus to secure it to the same.

Heretofore this ring I has been hung directly to the lower bearing D<sup>2</sup> of the tug-receiving part of the hame, between the tug and the hame, as, for instance, at O, in the drawings, but by such mode, as before stated, it continually bore and rubbed against the tug-strap, wearing it away, as also the hame, and otherwise obviously causing injury, whereas, by hanging the said ring to an eye independent of said bearing D<sup>2</sup>, as described, such friction and wearing of the parts is obviated.

The eye H being independent of the other parts, but retained in place by the bearing D<sup>2</sup> and the head of the bolt, possesses great strength, and is well able to withstand the strain brought upon it.

It may be well to here remark that the construction of parts above described are in duplicate upon each hame, one upon each side thereof.

Having thus described my improved hame-attachment,

What I claim, and desire to secure by Letters Patent, is—

The independent eye H, hung on the bolt E, and receiving the ring I, substantially as and for the purpose described.

CHAS. H. EASTE.

Witnesses:

ALBET W. BROWN,  
EDWIN W. BROWN.