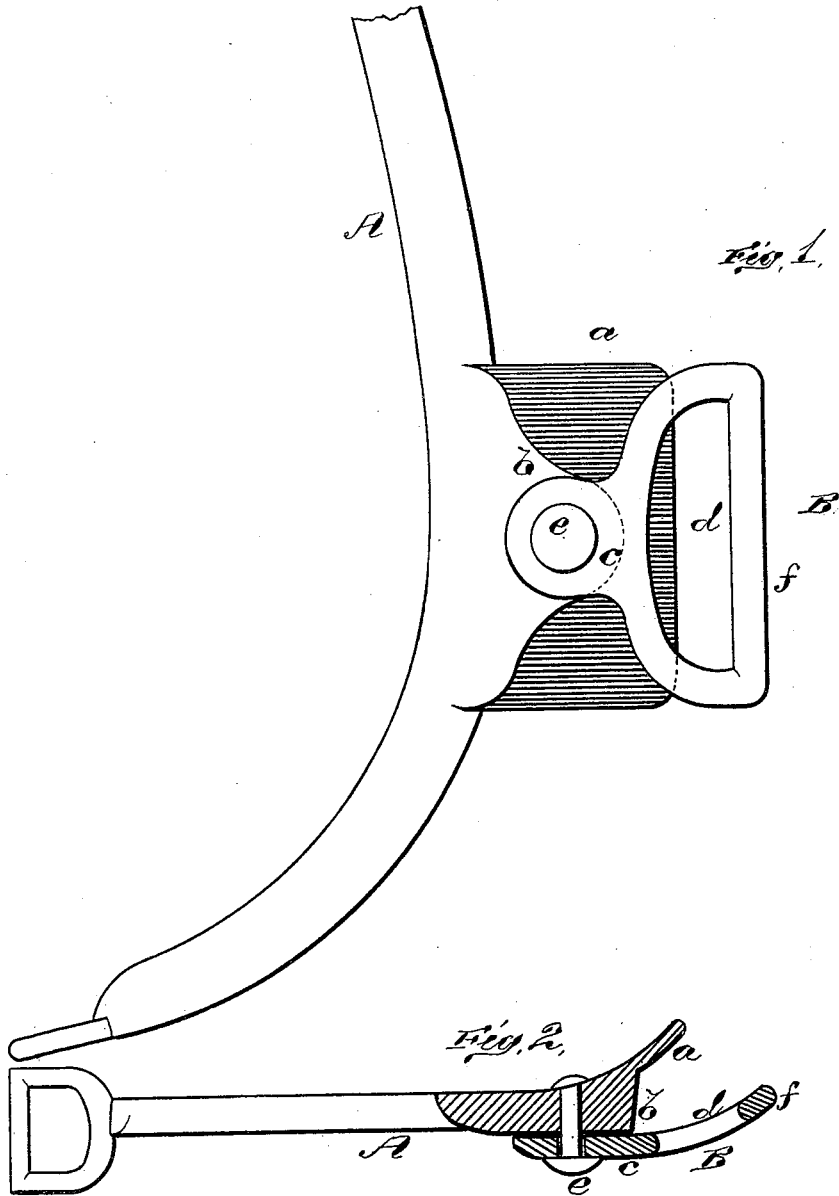


W. H. BUSTIN.
Hame Tug-Eyes.

No. 205,725.

Patented July 9, 1878.



Witnesses,
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UNITED STATES PATENT OFFICE.

WILLIAM H. BUSTIN, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN HAME-TUG EYES.

Specification forming part of Letters Patent No. **205,725**, dated July 9, 1878; application filed March 9, 1878.

To all whom it may concern:

Be it known that I, WILLIAM H. BUSTIN, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and valuable Improvement in Hame-Tug Eyes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side view of a hame with my tug-eye attached. Fig. 2 is a longitudinal section of the bearing-plate and eye.

This invention has relation to improvements in means for attaching the tug to a hame.

The object of the invention is to provide, as a substitute for the tug-hook on the hame, a device which will adjust itself automatically to the line of draft, thus causing the collar to bear fully upon the shoulder of the animal, and preventing chafing.

The nature of the invention consists in the construction and novel arrangement of a hame-tug eye, having a curved plate or guard extending to the rear thereof, a perforated bearing, and elongated tug-loop pivoted thereto by means of a transverse rivet, as will be hereinafter more fully shown and described.

In the annexed drawings, the letter A designates an ordinary metallic hame having the usual attachments, and provided at the point where the trace-hook is usually secured with a curved metallic plate, *a*, projecting to the rear over the roll or after-wale of the collar.

Upon the outer surface of plate *a* is formed a raised bearing, *b*, the outer surface of which is flat.

B represents the tug-eye, made of any suitable metal, and constructed with a tang, *c*, and an oblong eye, *d*. This tang is secured to the bearing *b* by means of a strong pivot, *e*, extending through registering-perforations in the tang and bearing *b*. The tug-eye vibrates freely upon the pivot *e*.

The trace-tug is passed through the eye *d*, looped around the bar *f*, and secured to the body of the tug or trace, in rear of the hames, by means of a suitable buckle or other equivalent device.

It is evident that the tug-eye adjusts itself automatically in the line of draft by vibrating on the pivot *e*, the effect of which is to cause the collar to bear broadly and fully against the shoulder and to prevent chafing.

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

The hame having the curved plate or guard *a* extending to the rear thereof, the perforated bearing *b*, and the elongated tug-loop B, pivoted thereto by means of a transverse rivet, *e*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM H. BUSTIN.

Witnesses:

FRANK J. MASI,
WALTER C. MASI.