

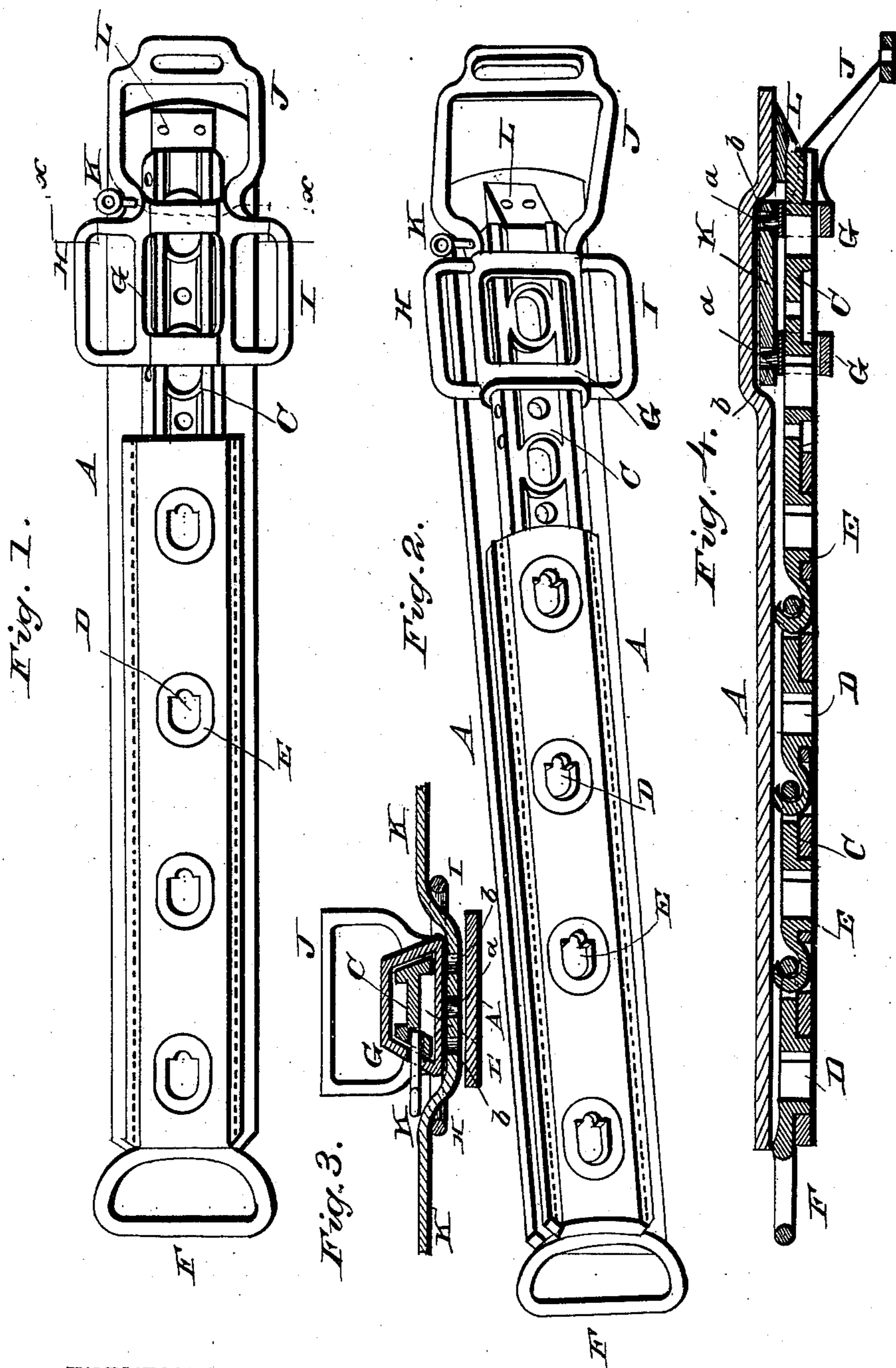
(No Model.)

M. E. LASHER

HAME TUG.

No. 304,944.

Patented Sept. 9, 1884.



**WITNESSES**

WITNESSES  
Phil C. Dietrich.  
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# UNITED STATES PATENT OFFICE.

MORGAN E. LASHER, OF CHAMPAIGN, ILLINOIS.

## HAME-TUG.

SPECIFICATION forming part of Letters Patent No. 304,944, dated September 9, 1884.

Application filed February 15, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, MORGAN E. LASHER, of Champaign, in the county of Champaign and State of Illinois, have invented certain new and useful Improvements in Hame-Tugs; and I 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, which form part of this specification.

This invention relates to hame-tugs; and it has for its object to produce a device which shall be simple in construction, durable, and which may be easily adjusted to horses of different sizes.

To this end my invention consists in the improved construction and arrangement of parts, which will be hereinafter fully described, and pointed out in the claims.

In the drawings hereto annexed, Figure 1 is a side view of a hame-tug embodying my invention. Fig. 2 is a perspective view of the same. Fig. 3 is a cross-section on the line  $x$  in Fig. 1, and Fig. 4 is a longitudinal sectional view illustrating a modification.

The same letters refer to the same parts in all the figures.

A designates the hame-tug, which consists, preferably, of a sheath of leather inclosing a light metallic bar, C. The latter is provided with openings D, surrounded by flanges E, which extend through perforations in the outer covering of the tug, and which serve as trace attachments, and also for the purpose of holding the parts firmly together. In lieu of a single metal bar, as shown in Figs. 1, 2, 3 of the drawings, a series of short bars, suitably jointed by means of hooks, hinges, or other connecting devices, may be used, thus forming a flexible tug, as shown in Fig. 4. The front end of the metallic portion of the tug is provided with a suitable hame-clip, F. The rear end of the metallic portion of the tug is left uncovered by the outer portion of leather sheathing, and upon it is fitted a slide, G, the upper and lower sides of which are provided with loops H and I, serving for the attachment, respectively, of the back and belly band. The rear end of the slide G is provided with an outwardly-extending loop, J, under which

passes the trace, which is to be attached to the tug in the manner already set forth.

The slide G may be attached to the metallic strap C by means of a pin or catch, K, of any suitable construction; or it may be left free to slide and adjust itself with the back and belly band automatically to the size of the horse.

The slide G may have cast or otherwise formed on the inside cross-bars the pins  $a$ , and the back-band billet may be formed with apertures  $b$ , adapted to be engaged by the pins, and the billet may be extended down through the loops H I, so as to form the belly-band billet, thus obviating the usual buckles, leather loops, and stitching, and rendering the hame-tug more readily adjustable upon the back-band.

The rear end of the metallic strap C is connected to the leather sheathing by means of a riveted block, L, which serves to prevent the slide G from becoming accidentally detached from the tug.

The operation of this invention will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed.

The construction is simple and inexpensive, and is equally adapted for rigid and flexible tugs. The adjustment is simple and easily effected, and enables the harness to be converted in a moment's time to suit horses of any size.

I claim and desire to secure by Letters Patent of the United States—

1. The combination, in a hame-tug having a longitudinal metallic core, of an adjustable slide adapted to be moved longitudinally on the tug, and provided with loops extending in an upward, downward, and outward direction, substantially as and for the purposes specified.

2. The combination, with a hame-tug having a metallic core, of a longitudinally-adjustable slide having upwardly, downwardly, and outwardly extending loops, and mechanism for securing the slide in any desired position, as set forth.

3. In a hame-tug, the combination of a leather sheathing, a metallic core having openings surrounded by flanges that extend through the outer part of the sheathing, a slide having an outwardly-extending loop, the trace passing

through the said loop, and means for connecting the same to any one of the flanged openings of the core, substantially as set forth.

4. As an improvement in hame-tugs, the  
5 combination of a leather sheathing, a metallic core having openings provided with flanges that extend through the outer side of the said sheathing, a hame-clip at the front end of the said core, a slide fitted upon the rear end of  
10 said core, and having upwardly, downwardly, and outwardly extending loops, a riveted block connecting the rear end of the core with the inner side of the sheathing, and means for securing the slide in any desired position upon the  
15 exposed portion of the core, substantially as set forth.

5. In combination with the slide of the hame-tug, the slide having loops, as described, and provided with pins adapted to engage apertures in the back-band billet, which is 20 passed through the loops, substantially as and for the purposes described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

MORGAN E. LASHER.

Witnesses:

GEO. F. BEARDSLEY,  
GEO. W. HARWOOD.