

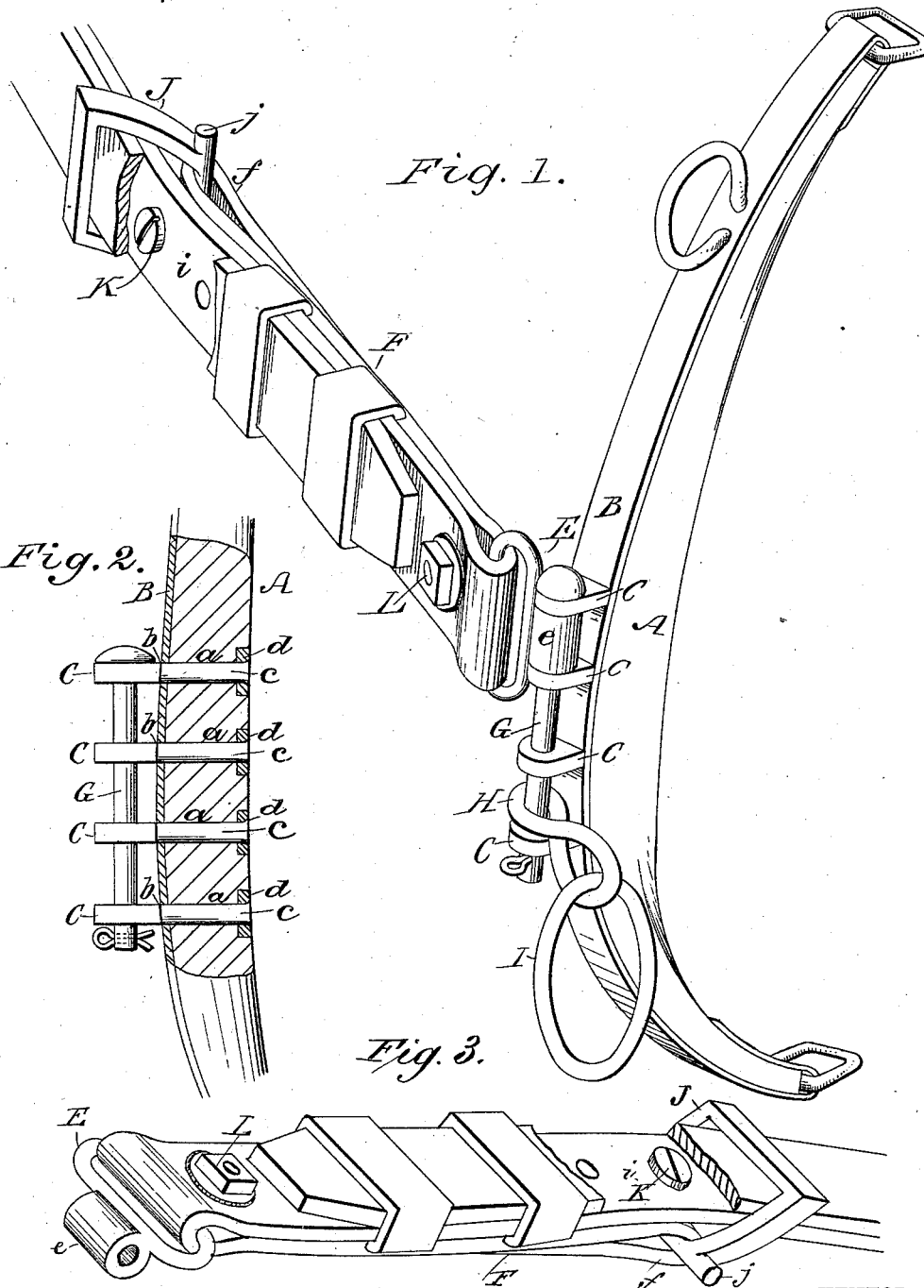
(No Model.)

C. HOSTERT.

HAME TUG.

No. 307,046.

Patented Oct. 21, 1884.



WITNESSES:
John G. Deemer
C. Sedgwick

INVENTOR:
C. Hostert
BY *Munn & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES HOSTERT, OF HASTINGS, MINNESOTA.

HAME-TUG.

SPECIFICATION forming part of Letters Patent No. 307,046, dated October 21, 1884.

Application filed June 27, 1884. (No model.)

To all whom it may concern:

Be it known that I, CHARLES HOSTERT, of Hastings, in the county of Dakota and State of Minnesota, have invented certain new and useful Improvements in Hame-Tugs, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my improved hame-tug connected to a hame, part of said tug being broken away. Fig. 2 is a detailed sectional elevation of a hame. Fig. 3 is a view showing the tug separate from the hame.

The invention will first be described in connection with the drawings, and then pointed out in the claims.

The hame A and hame-plate B are of the ordinary construction, except that they have the corresponding openings, *a b*, formed in them, respectively, to receive the shanks *c* of the eyebolts or rivets C, which are secured in the hame and plate by heading the shank *c* upon the washers *d*, as shown clearly in Fig. 2. The eyebolts C are spaced to receive the eye of the clip E of the hame-tug F between them, where the clip is held by inserting the bolt G, so that by simply removing this bolt G from the eyebolts and clip E the hame-tug may be detached from the hame and adjusted to cause a higher or lower draft, as desired. The pin G and eyebolts C also hold the link H, attached to the breast-strap ring I, so that when it is desired to use the harness with a single rig by lifting the pin G in the eyebolts C the breast-strap rings may be easily removed together from the harness, and of course as easily replaced. The hame-tug F is looped at *f* around the forward bar, *j*, of the buckle-frame J, and is passed thence through the loop of the clip E and folded back through the frame J, where it is held by the screw K, which passes through the hame-tug and screws into a screw-threaded opening made in the bar *j* of the buckle-frame J; and there

are several holes, *i*, made in the hame-tug, so that by removing the screw L (which latter is passed through the folded parts of the hame-tug near the clip E, to prevent the tug from spreading) the length of the hame-tug may be adjusted to suit the size of the horse, whether he be large or small.

Constructed in the manner described, it will be seen that the tug is adapted to all the adjustments required, both up and down upon the hame, and as to length, so that a perfect fit of the hame-tug may always be effected. Besides, by employing the eyebolts C, my invention may be applied to hames already in use, and by adjusting the pin G to be readily removed, both the hame-tug and the breast-strap ring may be readily removed and replaced, which is very convenient and often of great advantage, as when the horse falls or gets mired, and it becomes necessary to remove the harness; and, furthermore, the various parts of my invention are strong, durable, and cheap.

I am aware that hames have been heretofore constructed with a series of eyebolts riveted to the hames, one above the other, and with an adjustable clip and a breast-strap ring held between the heads of said eyebolts by a removable pin, and I do not claim such as of my invention.

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

1. The combination, with the hame-clip E, of the hame-tug F, having holes *i*, buckle J, having a screw-apertured bar, *j*, and the screw K, passing through the hame-tug into the cross-bar, substantially as described.

2. The combination, with the hame-clip E, of the tug F, having a buckle, J, at one end, provided with a screw-apertured bar, *j*, said tug passing from the buckle through the clip-bolt L, for securing the tug near the clip, and adjusting-screw K, passing through the tug into the cross-bar *j*, substantially as set forth.

CHAS. HOSTERT.

Witnesses:

MICHAEL HEINEN,
JOHN RIPLINGER.