(No Model.)

C. N. ANDERSON & R. McPHAILL.

HAME TUG.

No. 389,630. Patented Sept. 18, 1888.

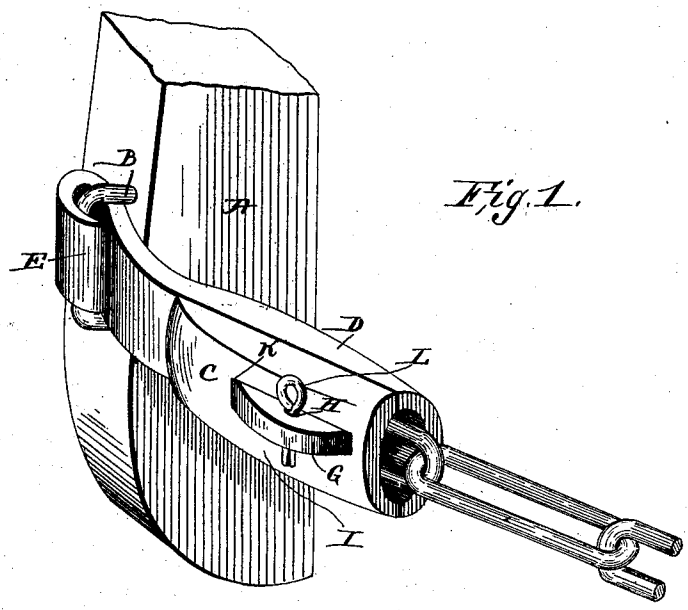


Fig. 1.

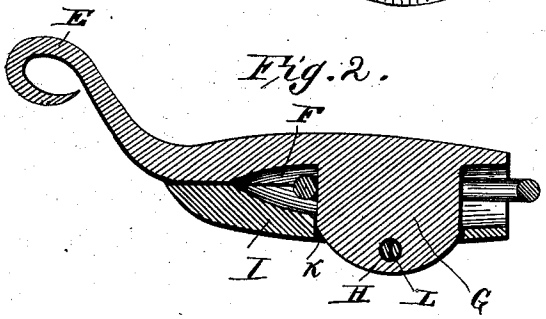


Fig. 2.

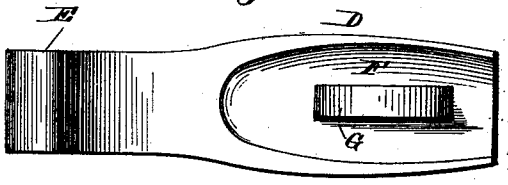


Fig. 3.

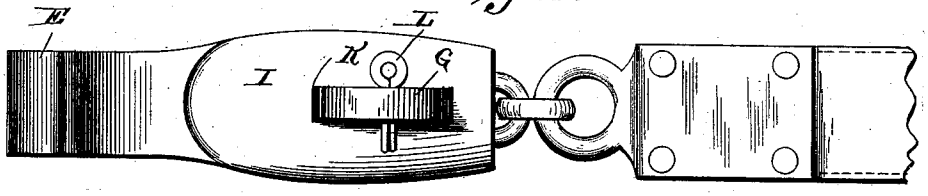


Fig. 4.

Witnesses
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UNITED STATES PATENT OFFICE.

CHARLEY N. ANDERSON AND ROBERT McPHAILL, OF WAXAHACHIE, TEXAS.

HAME-TUG.

SPECIFICATION forming part of Letters Patent No. 389,630, dated September 18, 1888.

Application filed June 5, 1888. Serial No. 276,161. (No model.)

To all whom it may concern:

Be it known that we, CHARLEY N. ANDERSON and ROBERT McPHAILL, citizens of the United States, residing at Waxahachie, in the county of Ellis and State of Texas, have invented a new and useful Improvement in Hame and Trace Attachments, of which the following is a specification.

Our invention relates to a hame and trace attachment, having for its object to provide a simple, strong, and durable device to connect the front end of the trace chain or strap to the hame, whereby the movement of the said chain or strap is prevented from wearing the parts, and thus necessitating frequent repair or replacement.

The invention consists in a certain novel construction and arrangement of devices, fully set forth hereinafter in connection with the accompanying drawings, wherein—

Figure 1 is a perspective view of the device connected to the hame and showing a portion of a trace-chain engaged therein, all in accordance with the present invention. Fig. 2 is a central longitudinal sectional view. Fig. 3 is a detail view with the cap removed to show the recesses or depressions in the base-plate and the cap. Fig. 4 is a view showing the manner of attaching the trace-strap to the hame by the improved device.

Referring to the drawings, A designates the hame, having a ring or staple, B, thereon near its lower end, and C designates the attachment, the base-plate D of which is provided on its front end with the pliable hook E, to engage the said ring or staple B. This base-plate may be either curved or straight, to adapt it to be attached to hames of various shapes, and also adapt it to different positions of the staple B, and it is provided with a recess or depression, F, at its rear end, in which is disposed the elongated stud G, arranged longitudinally of the plate, and having a transverse aperture, H, near its outer edge.

The recessed cap I is arranged over the recess or depression in the base-plate, and has a longitudinal slot, K, therein to receive the outer edge of the stud, and the bifurcated spring-key L engages the aperture H on the outer side of the cap and holds the latter in place.

One of the links of the trace-chain is inserted between the cap and the base plate and engaged over the stud G, (it is obvious that the cap must be removed previous to attaching the said link,) and the link is held by the said cap and plate from lateral movement. Obviously, being held from lateral movement in the attachment, the link will not be worn, and will not wear either the interior of the plate and cap or the stud, and as the length of the stud over which the link is engaged is parallel with the strain there is no possibility of breaking the same.

When a trace-strap is to be attached to the hame, a metal loop or ring is affixed to the front end thereof, or a small section of a chain may be affixed thereto, as shown in the drawings, Fig. 4.

The invention, as will be seen, is simple, and with it the trace chain or strap may be very easily and quickly attached to any hame which is provided with a suitable hook or staple.

Having thus described the invention, we claim, and desire to secure by Letters Patent, the following:

1. In a hame and trace attachment, the combination of the recessed plate D, attached to the hame and provided with an integral stud, H, in the recess, which is adapted to engage a link of the trace-chain, and the cap plate provided with a slot, through which the free end of the stud projects and is held in position by a key passing through an eye in the end of the stud, substantially as specified.

2. In a hame and trace attachment, the combination of the base plate provided with an integral stud, G, and a spring-hook, E, engaging a ring or keeper on the hame, the cap-plate fitting over the base-plate and provided with a slot receiving the outer end of the stud, and the key L, fitting in an aperture, H, in the stud G, substantially as specified.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

CHARLEY N. ANDERSON.
ROBT. McPHAILL.

Witnesses:
L. C. TODD,
JNO. F. WYATT.