(No Model.)

J. R. CARNEY.

HAMES.

No. 244,853. Patented July 26, 1881.

Fig. 1.

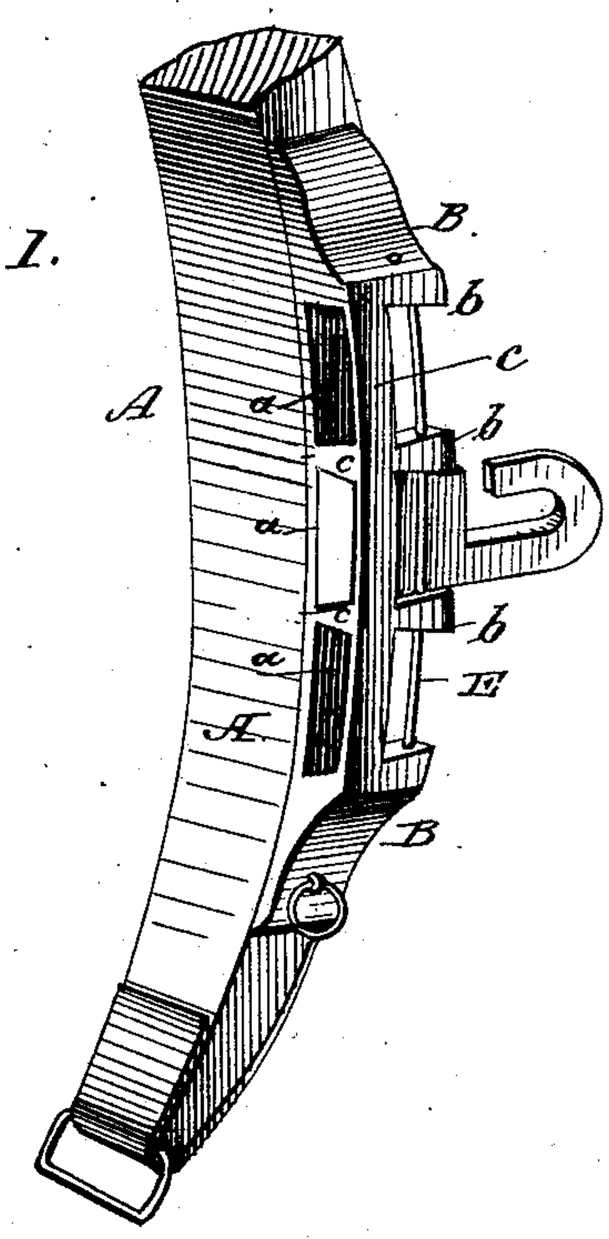


Fig. 2

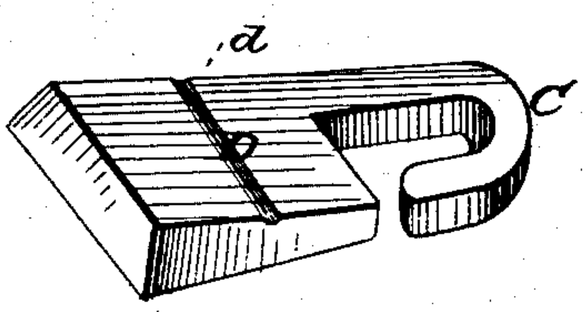
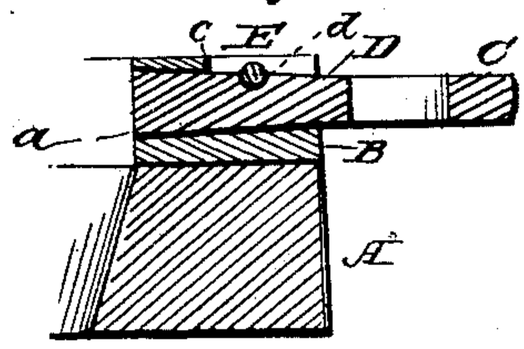


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

JAMES R. CARNEY, OF DRESDEN, TENNESSEE, ASSIGNOR OF ONE-THIRD TO EMERSON E. CARNEY, OF SAME PLACE.

HAME.

SPECIFICATION forming part of Letters Patent No. 244,853, dated July 26, 1881.

Application filed March 12, 1881. (No model.)

To all whom it may concern:

Be it known that I, JAMES R. CARNEY, of Dresden, in the county of Weakley and State of Tennessee, have invented certain new and useful Improvements in Hames; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of a hame provided with my improved adjustable tug-hook. Fig. 2 is a perspective view of the hook detached from the hame, and Fig. 3 is a cross-section through the hook and hame.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to harness-hames; and it consists in an improved construction of the tug-hook and its attachment to the hame, substantially as hereinafter more fully set forth, and particularly pointed out in the claim.

In the annexed drawings, the letter A represents a section of one of the pair of hames, which may be of wood or metal, of the usual shape.

Upon the lower part of the hame is secured a plate, B, which is made with three or more openings or recesses, *a*, separated from one another by projecting shoulders *b*, which flare outwardly from their connecting-web *c*. In other words, the recesses *a* are wider at their inner than at their outer ends. The web *c* is also of greater thickness along its outer than along its inner edge, as will be seen more clearly by reference to Fig. 3, and it follows that the recesses *a* are made tapering in a two-fold direction—that is, in the direction of their width (corresponding to the width of plate B) as well as in the direction of their depth.

The tug or trace hook C is made in one piece with a wedge-shaped block, D, of such size and shape that it will fit into any one of the recesses *a*. This block has a groove, *d*, and the shoulders *b* of plate B are perforated in a line with said groove, (when the hook is inserted into its proper recess,) for the insertion of a bolt, E. This bolt, fitting into groove *d*, serves as an additional means of attachment and prevents the hook C D from slipping out of its recess in the hame-plate rearwardly.

The hook may be shifted from any one of the recesses *a* to another, according to whether it is desired to raise or lower the point of attachment of the tug to the hame. When inserted into its proper place and fastened by the lock-bolt E it is securely wedged in its recess, and no amount of pulling will detach it from the hame, except by breaking plate B, which is, of course, made strong enough to stand any reasonable strain.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

As an improvement in hames, plate B, having a series of tapering or wedge-shaped recesses, *a*, the adjustable and detachable tug-hook C, having the wedge-shaped block D, grooved at *d*, and bolt E, constructed and combined to operate, substantially as and for the purpose herein shown and specified.

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

JAMES R. CARNEY.

Witnesses:

I. M. CARNEY,

E. E. CARNEY.