(No Model.)

G. M. STRONG.

Trace Attachment for Harness Hames.

No. 240,865. **Patented May 3, 1881.**

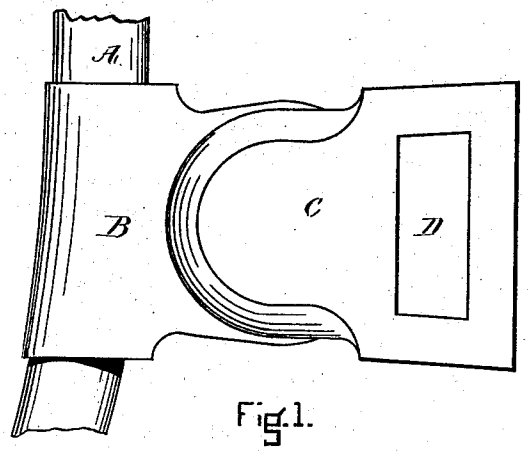


Fig. 1.

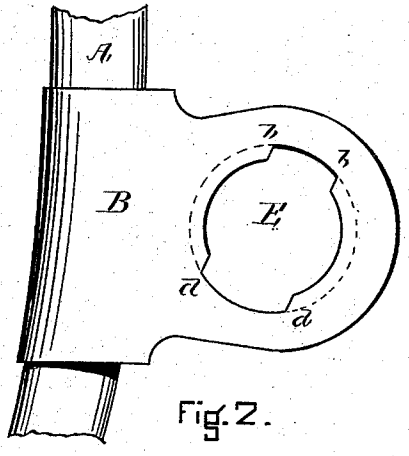


Fig. 2.

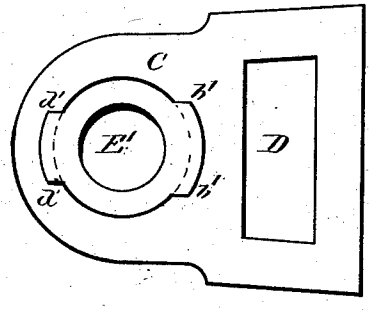


Fig. 3.

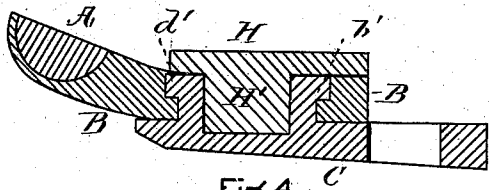


Fig. 4.

WITNESSES

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TRACE ATTACHMENT FOR HARNESS-HAMES.

SPECIFICATION forming part of Letters Patent No. 240,865, dated May 3, 1881.

Application filed October 22, 1880. (No model.)

To all whom it may concern:

Be it known that I, GEORGE M. STRONG, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Trace Attachments for Harness-Hames, of which the following is a specification.

My invention relates to the construction of that part of the hame to which the trace is attached; and it consists in making this part in two pieces, one of which is brazed or otherwise rigidly fastened to the hame proper, while the other part is attached to the trace, the two parts being united by a bayonet-joint of peculiar construction, as hereinafter described.

In the drawings, Figure 1 is an elevation of my device as applied to one branch of the hames. Fig. 2 shows in elevation the part of my device that is attached directly to the hame. Fig. 3 shows the part reversed that the trace is attached to. Fig. 4 shows the whole in section.

The piece B, Figs. 1, 2, and 4, is formed as shown, and brazed or otherwise fastened to the hame A. This piece has a circular opening or recess, E, Fig. 2, the full size of the opening being indicated by the dotted lines, the portions from *d* to *b* and from *b* to *d* being undercut, and the portions between *b b* and *d d* are cut straight down. The recess thus formed constitutes one part of the bayonet-joint, the other part being represented by E′ *d′ d′ b′ b′*, Fig. 3, and consists of a central boss, E′, circular in form, and of such diameter as to readily enter the recess E in the part B. *d′ d′* and *b′ b′* are ears or lugs extending from the boss E′, and are made of such size as to enter the corresponding openings *d d* and *b b* made in the part B.

It will be observed that the lug *b′ b′* and corresponding opening *b b* are larger than the lug *d′ d′* and opening *d d*. This is so made for the purpose of preventing the part C from being unlocked except when it is turned up—*i. e.*, to unlock it, it must be so turned that the lug *b′ b′* coincides with the opening *b b*. If the part C is turned down, it will not unlock, but be still firmly held in place. This is necessary, as the traces often are loose and hang down.

D is an eye for receiving the trace. The elements of the device that I consider as my invention provide for connecting the parts B and C, so that the joint is a safe one, and the trace is free to swing around it and hang in any desired direction, either when in or out of use.

The part H H′ may be used or omitted. It serves to give the device additional strength. If desirable, this part H H′ may be cast solid with the part B, or it may be brazed to it.

The part that I have designated as part C is called in the trade a "loop-eye."

Having thus described my invention, what I desire to secure by Letters Patent is—

In a trace attachment, the combination of the hame A and the part B, having a partially-undercut recess, E, with the part C, having a boss, E′, with lugs *d′ d′* and *b′ b′*, substantially as described, and for the purpose set forth.

GEORGE M. STRONG.

Witnesses:

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