

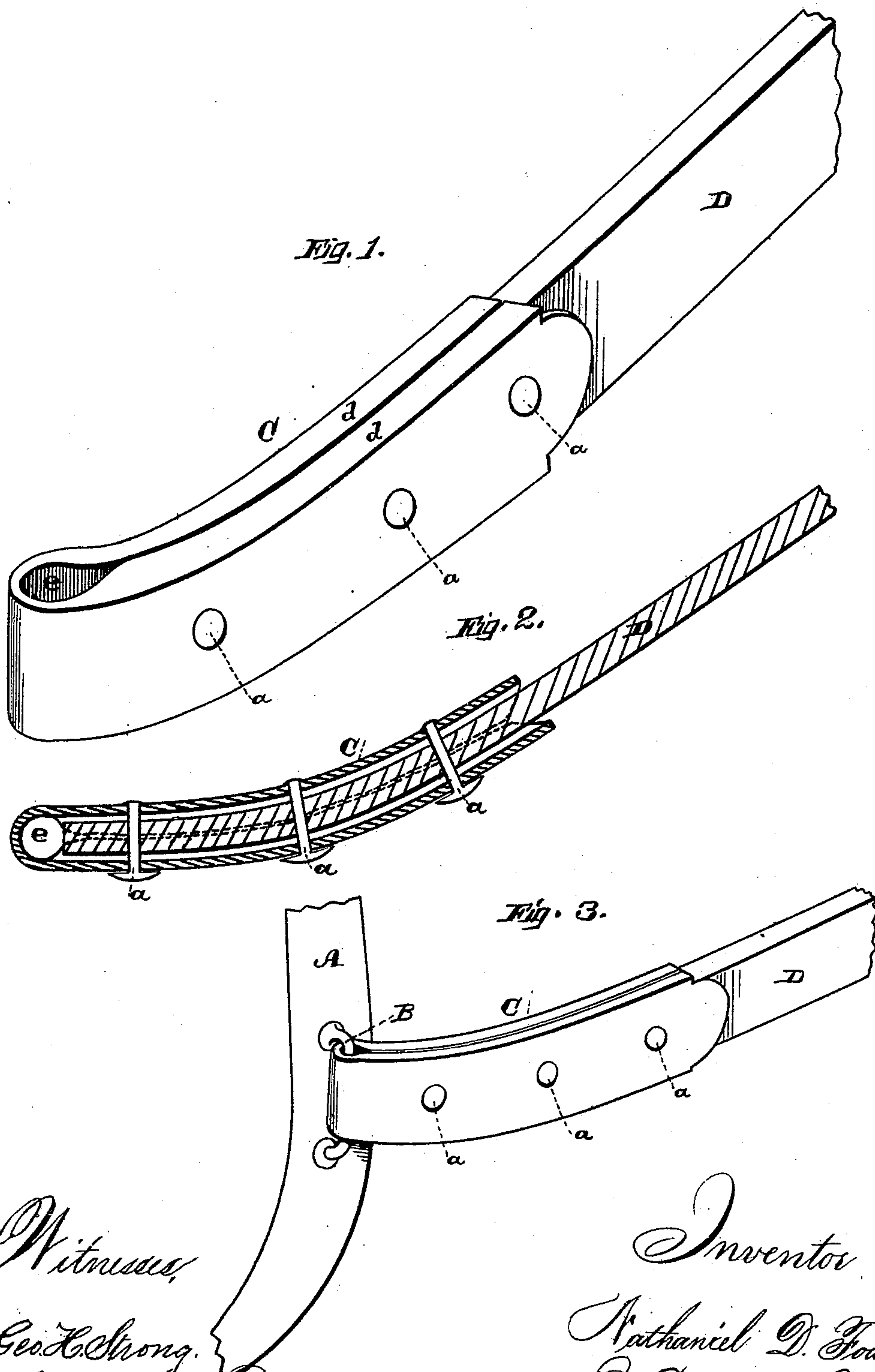
(No Model.)

N. D. FOWLER.

HAME TUG CLIP.

No. 266,357.

Patented Oct. 24, 1882.



Witnesses,

Geo. H. Strong.

Frank D. Brooks

Inventor

Nathaniel D. Fowler
By Dewey & Co. Attys

UNITED STATES PATENT OFFICE.

NATHANIEL D. FOWLER, OF MARYSVILLE, CALIFORNIA, ASSIGNOR OF ONE-HALF TO GEORGE N. OSGOOD, OF SAME PLACE.

HAME-TUG CLIP.

SPECIFICATION forming part of Letters Patent No. 266,357, dated October 24, 1882.

Application filed December 30, 1881. (No model.)

To all whom it may concern:

Be it known that I, NATHANIEL D. FOWLER, of Marysville, county of Yuba, State of California, have invented an Improved Clip for Hame-Tugs; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to improvements in harness, and more especially to a clip or box for the hame-tugs, the object of which is to secure the tugs to the harness.

It consists in the provision of a peculiar metal box or clip, made preferably of malleable iron, said box being fitted upon the hame-loop at one end and adapted to receive the end of the leather tug in the other, wherein said tug is riveted, as will be more fully understood from the following description, and by reference to the accompanying drawings.

Figure 1 is a perspective view of my invention. Fig. 2 is a section. Fig. 3 shows its application.

The ordinary manner of attaching the tugs to the hames is to provide a staple or a loop upon the sides of the hames and to pass the end of the leather tug through it, folding it back upon itself, and riveting or otherwise looping and securing it. The objection to this is that the constant strain upon the tugs pulling against the metal loop will in time wear them out. There is, besides, a waste of stock in looping the tugs back upon themselves. Another method is to provide the end of the tug with a metal ring or loop which fits within that upon the hame; but to this way the same objections exist. Neither is a secure fastening.

A represents the hames, having upon their sides the hame-loops B.

C represents my clip or box. This is made of metal, but preferably of malleable iron, the object being to gain lightness, strength, and ease in manufacturing. It is made of a strip of metal having a reduced middle portion. Its

edges are turned up to form flanges *d*, and the strip is then doubled over upon itself at its middle until the flanges *d* touch each other. This forms a space within, its end being open for the reception of the end of the tug. The middle portion of the metal strip being reduced and having no flanges leaves this end of the box C, when formed, with an eye, *e*. This eye is fitted over the hame-loop B, which thus secures the box or clip C firmly to the hame.

D represents one end of the tug. It is fitted into the box C, being inserted the entire length of the said box. It is secured by the rivets *a*. The tug is cut square off at its end to fit the box, and it is not folded or doubled, thus saving the stock.

This box or clip, formed as shown and made of malleable iron, combines strength with lightness, is easily adjusted, and is economical.

It will be further noticed that the clip or box is made in a single piece, while its side flanges, *d*, with its body portion, enable the entire inclosing or incasing of the leather or tug in contact therewith to prevent the rusting and consequently the rotting of the leather, as would be the case were the edges between the tug or leather and the clip exposed to the action of the weather.

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

The hame-tug clip consisting of the plate C, reduced to form an eye, *e*, at its middle, bent upon itself, and provided with the side flanges, *d*, meeting upon the top and bottom surfaces of the strap or tug, all made in one piece, as set forth.

In witness whereof I hereunto set my hand.

NATHANIEL D. FOWLER.

Witnesses:

GEORGE MERRITT,
GEORGE N. OSGOOD.