

(No Model.)

J. N. CRABB.

HORSE COLLAR.

No. 365,463.

Patented June 28, 1887.

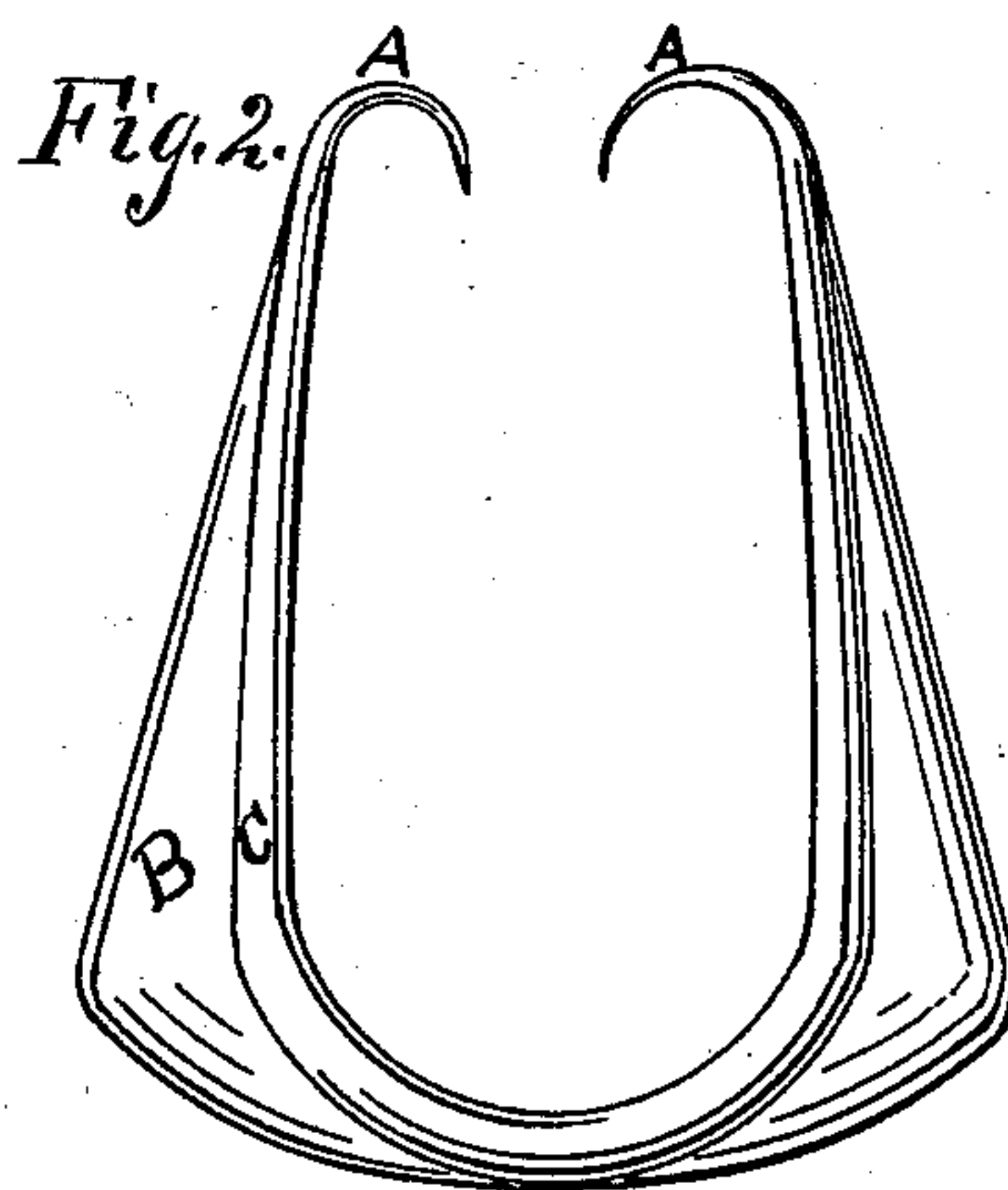
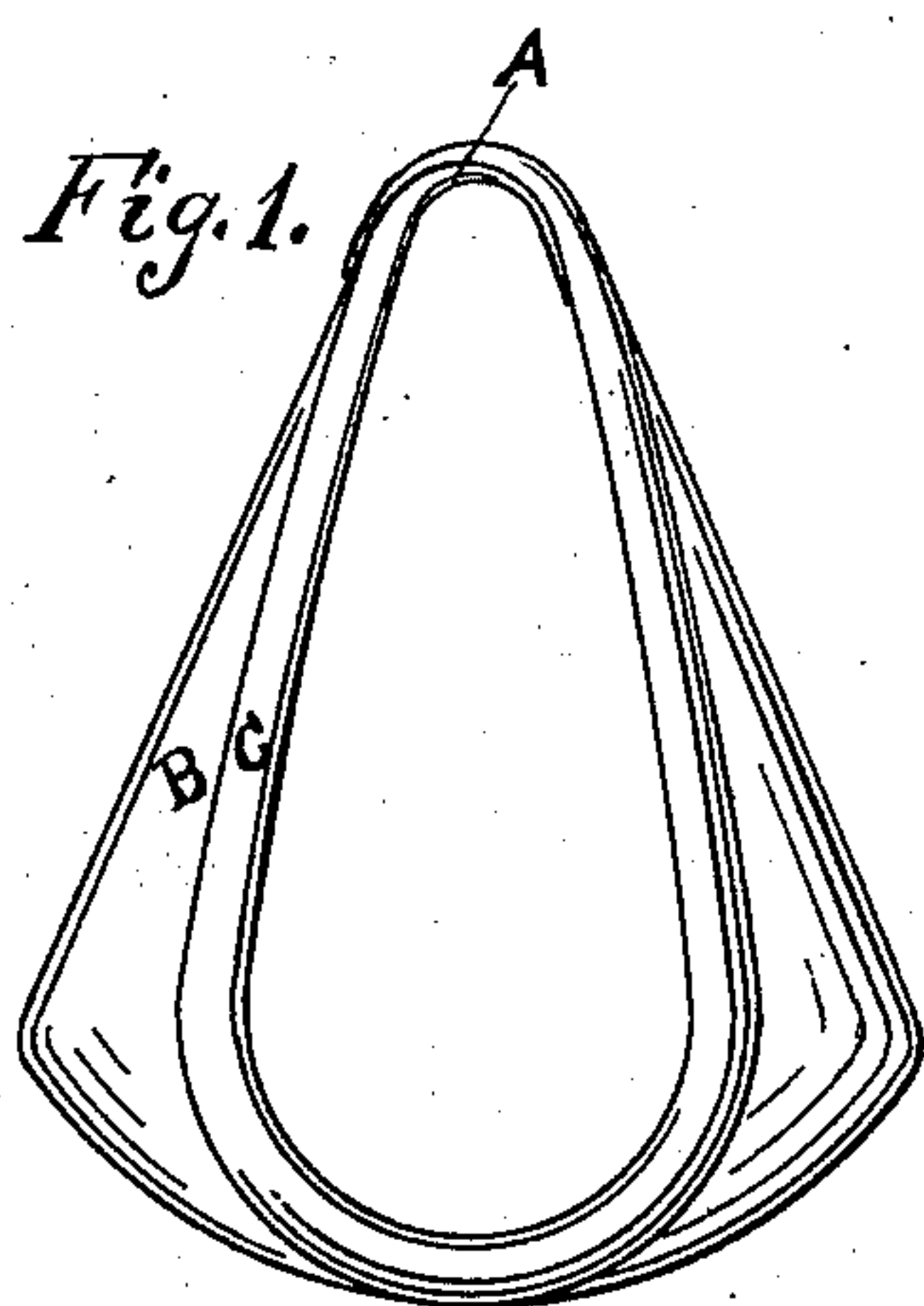


Fig. 5.

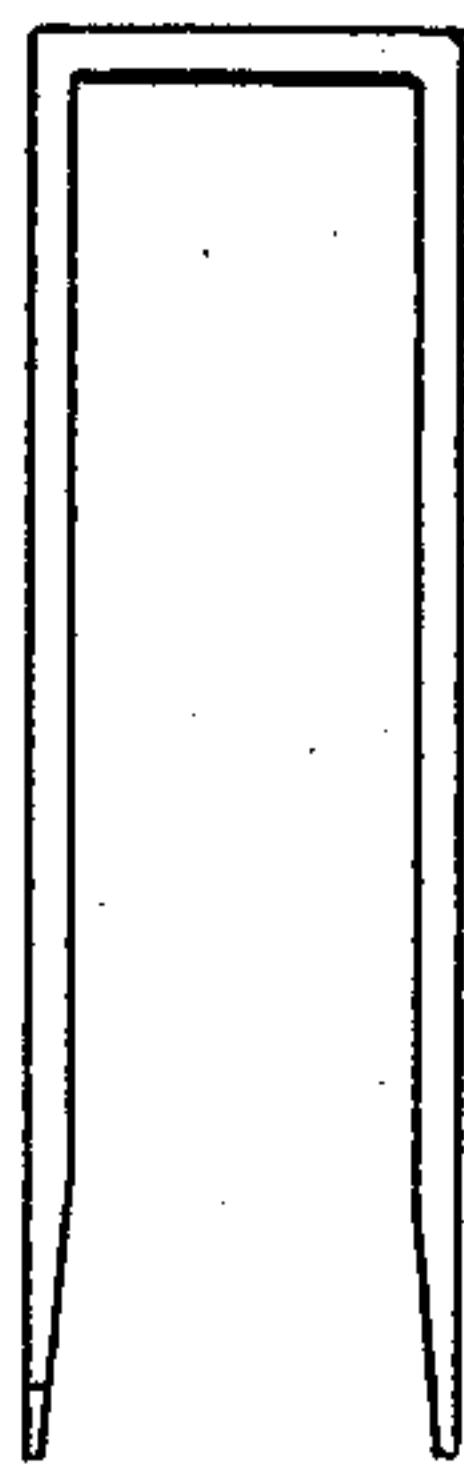


Fig. 4.

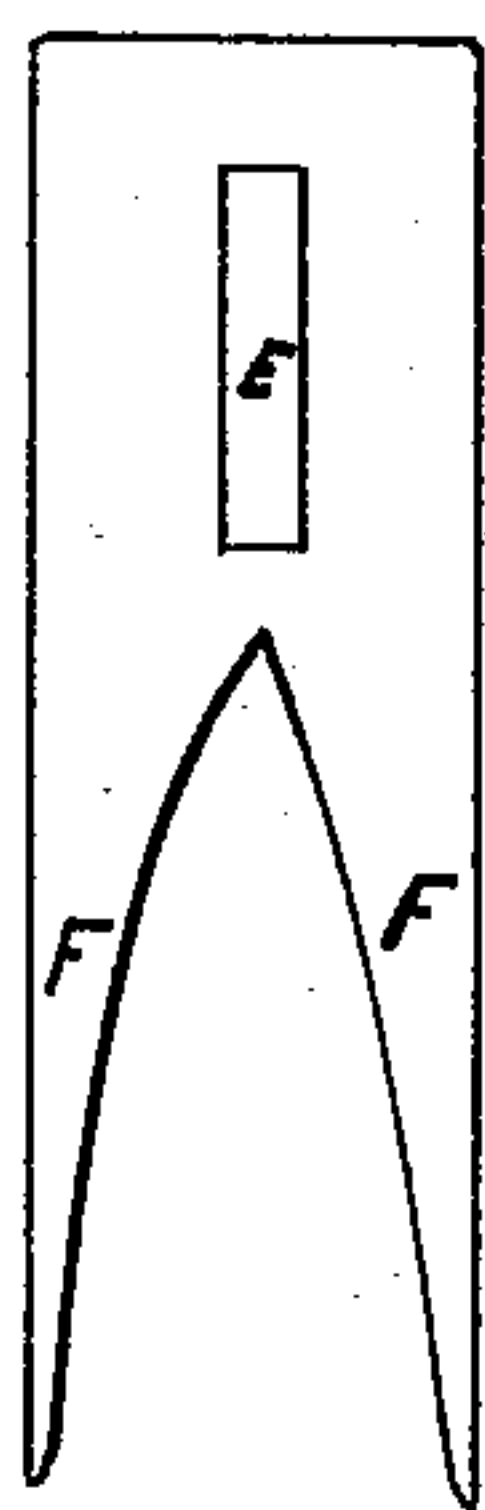
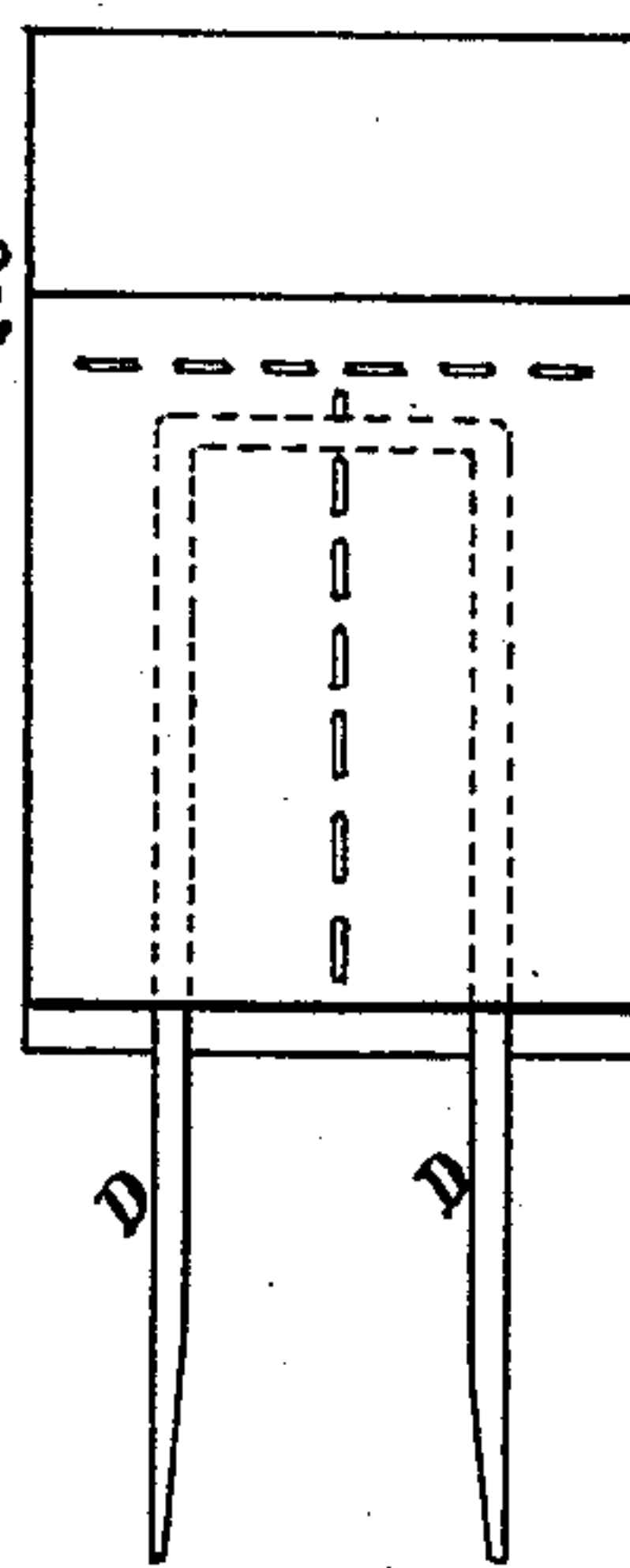


Fig. 3.



Witnesses,
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UNITED STATES PATENT OFFICE.

JAMES N. CRABB, OF RICHMOND, INDIANA, ASSIGNOR OF ONE-HALF TO
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HORSE-COLLAR.

SPECIFICATION forming part of Letters Patent No. 365,463, dated June 28, 1887.

Application filed April 1, 1887. Serial No. 233,269. (No model.)

To all whom it may concern:

Be it known that I, JAMES N. CRABB, of Richmond, in the county of Wayne and State of Indiana, have invented certain Improvements in Horse-Collars, of which the following is a specification.

My invention relates to an improved "rigidly-attached" adjustable hook for holding a horse-collar in place without the aid of buckles, spring-catches, snaps, or catches of any kind.

The objects of my invention are, first, to save time, labor, and the annoyance of putting on and taking off horse-collars by methods heretofore used; second, to produce a horse-collar fastening which shall be a self-fastener, the same being a neater, more durable, and many times more convenient fastener than can be constructed with buckles and straps, catches, snaps, or latches of any kind; third, to produce a firm hook or hooks for holding a horse-collar in place on the animal's neck, which yet shall be adjustable for the purpose of changing the size of the collar, as is generally done with buckles and straps, as will be hereinafter fully described.

Figure 1 shows the collar closed as when in place on the animal's neck, the rigidly-attached hooked pads being hooked one over the other. Fig. 2 shows the collar open for hooking on the animal's neck. Fig. 3 shows the adjustable hooked pad before it is attached to the collar, showing the wires or prongs which are forced into the end of the collar for the purpose of making the rigid attachment, the pad or adjustable portion being properly bent after being sewed to the top of the collar. Fig. 4 shows a piece of metal which may be used instead of wire, if desired. Fig. 5 shows a wire properly bent before being covered, as shown in Fig. 3.

A in the drawings are the rigidly-attached hooked pads.

B is the back of the collar; C, the front rim. D and F are portions to run into the end or top of the body of the collar B and C.

E is a slot for sewing through when sheet metal is used.

The manner in which the hooked pads are

formed before being attached to the collar is by using a bent-wire stiffener, such as is shown in Fig. 5, or a sheet-metal stiffener, such as is shown in Fig. 4, covering the same with leather of the proper size and shape for the pad to be constructed, and sewing the top end and center, as shown in Fig. 3. The stiffener-wire or other stiffener, having its ends or prongs D or F extending out of the pad, as shown in Fig. 3, is run down into the body of the collar, and is held there securely by sewing the pad to the collar. The said prongs are intended to stiffen the pads when attached to the ends or top of the collar. The leather or covering of said wire or other metal stiffener should be large enough to allow the top or ends of the collar to go inside the pad far enough to admit sewing the pad to the top of the collar. The hook form is given the pad after it is sewed to the collar by simply bending the stiffener inclosed within it in any position desired, thereby making a rigidly-attached adjustable hooked pad or fastener for horse-collars.

In practice the collar is put in place on the animal's neck by throwing it sufficiently out of line to allow the hooks to pass each other, then pulling apart wide enough to go over the animal's neck; then the hooking is done by closing and bringing back in line with one hook over the other. The collar is taken off by the reversal of this movement.

I do not wish to confine myself to any particular way of constructing my rigidly-attached adjustable hooked pad, as my idea is to produce a firm hook for holding a horse-collar in place on the animal's neck, which yet shall be adjustable or changeable for changing the size of the collar when necessary by simply bending the adjustable portion of the pad or hook as desired.

When using the wire, a piece of tin may be placed between the wire and leather, so that the under part of the pad may have a smooth surface.

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

1. The herein-described rigidly-attached adjustable hook or hooks A, for holding a horse-collar in place, substantially as set forth.
2. The herein-described rigidly-attached
5 hooked collar-pad, in combination with the body of collar, substantially as set forth.
3. A collar-fastening consisting of the two hook-shaped pads A A, having inserted therein the herein-described adjustable stiffener, all substantially as and for the purpose set forth. 10

JAMES N. CRABB.

Witnesses:

WILDY CRABB,
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