

(No Model.)

F. WETSTEIN & F. H. DYCKMAN.

TRACE BUCKLE.

No. 294,942.

Patented Mar. 11, 1884.

Fig. 1.

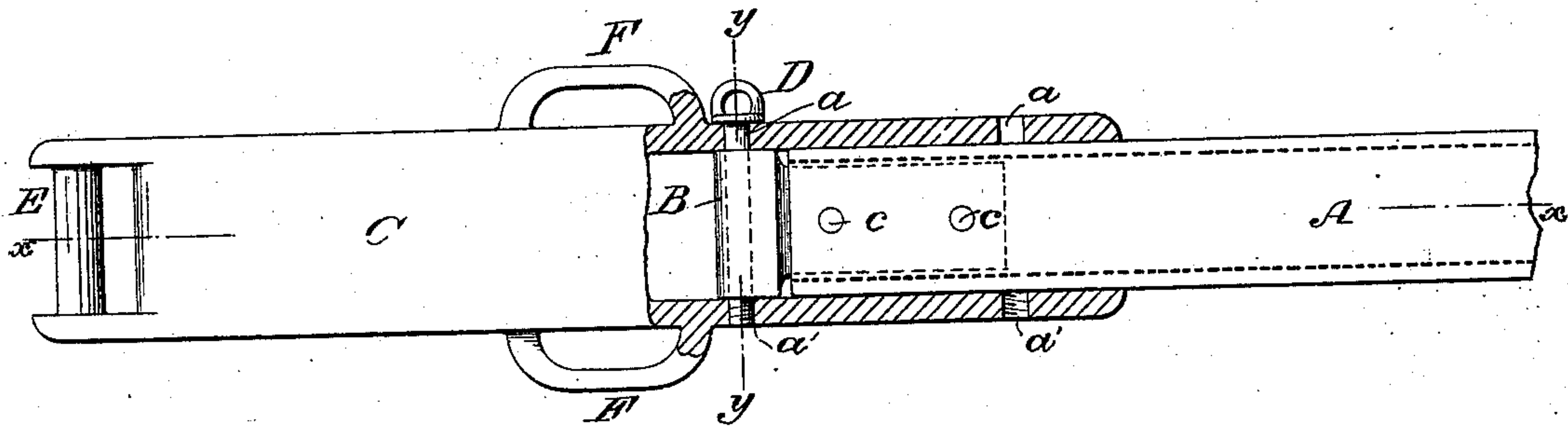


Fig. 2.

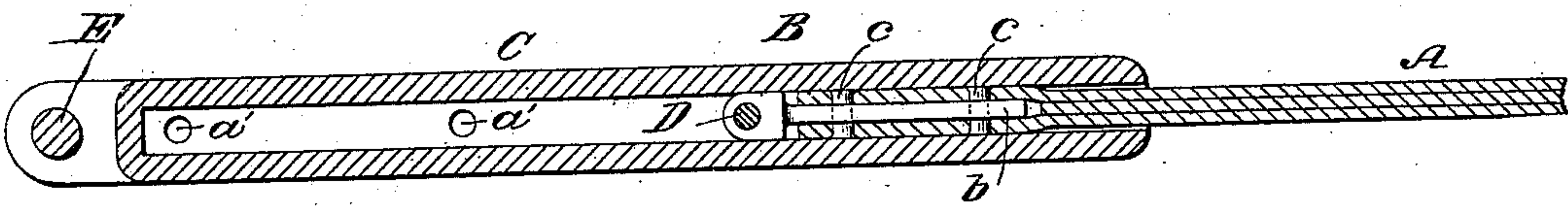
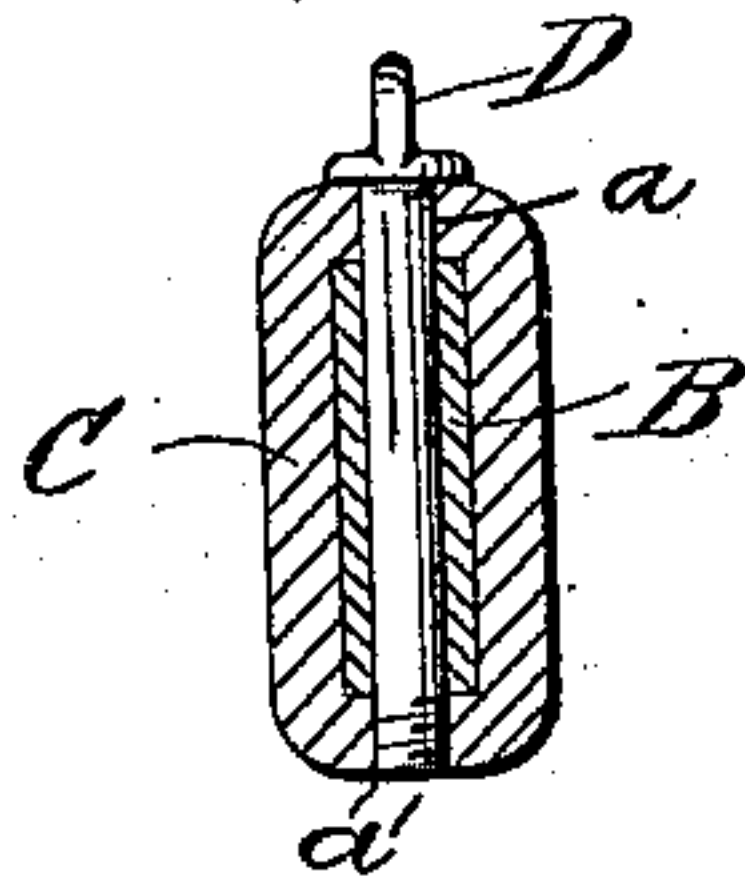


Fig. 3.



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# UNITED STATES PATENT OFFICE.

FERDINAND WETSTEIN AND FRANK HAMILTON DYCKMAN, OF SLEEPY EYE, MINNESOTA.

## TRACE-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 294,942, dated March 11, 1884.

Application filed July 9, 1883. (No model.)

*To all whom it may concern:*

Be it known that we, FERDINAND WETSTEIN and FRANK HAMILTON DYCKMAN, of Sleepy Eye, in the county of Brown and State of Minnesota, have invented a new and Improved Trace-Buckle, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional elevation of our new and improved trace holder or buckle, showing the trace in place. Fig. 2 is a longitudinal sectional elevation of the same, taken on the line *x x* of Fig. 1; and Fig. 3 is a transverse sectional elevation taken on the line *y y* of Fig. 1.

In this invention the trace A is provided with the eye B, and the trace A is held in the box C by the metal pin D, that passes through corresponding holes, *a a'*, made in the edges of the box C and through the eye B of the trace, as shown in the drawings.

The eye B is by preference made of metal, and is formed with the tang-plate *b*, which has suitable holes made through it, through which the rivets *c c* pass, for riveting the eye B to or within the forward end of the trace A.

The box C is by preference made of malleable cast-iron, and the holes *a'*, made in its lower edge, are screw-threaded, to receive the screw-threaded end of the pin D, so that when the pin D is passed through one of the holes, *a*, and through the eye B and screwed firmly in the corresponding hole, *a'*, in the lower edge of the box C, it will hold the trace A in the box C in a safe and reliable manner; and there are several of the corresponding holes, *a a'*, made along the edges of the box C, so that the trace A may be adjusted as to length in the box C by simply removing the pin D

and placing it in different holes *a a'*, the trace A being, of course, before replacing the pin D, accordingly moved in the box C, to cause the eye B to register with the holes *a a'*, in which the pin D is to be placed for shortening or lengthening the trace.

For attaching the box C to the hame-tug of the harness, we form or provide the box C at its forward end with the loop or rod E; and at its edges, at or near the center of its length, we form or provide the box C with the loops F F, by means of which the back-pad and belly-band of the harness may be readily attached to the box C.

Constructed in this manner, it will be seen that the buckle is cheap, durable, and practical, and will effect a saving both in material and labor in the manufacture of harnesses, since it takes the place of leather portions now used, and no stitching is required.

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

1. In a trace-buckle, the box C, provided with the end loop or rod, E, the edge loops F at or near the center of its length, and holes *a a'*, and adapted to receive the end of a trace, and to be secured thereto by a pin passing through the holes and an eye in the end of the trace, substantially as herein shown and described.

2. The trace A, provided with eye B, in combination with the box C, having the series of holes *a a'* made in its edges, and the pin D, adapted to pass through the said holes and the eye B, substantially as and for the purposes set forth.

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Witnesses:

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