

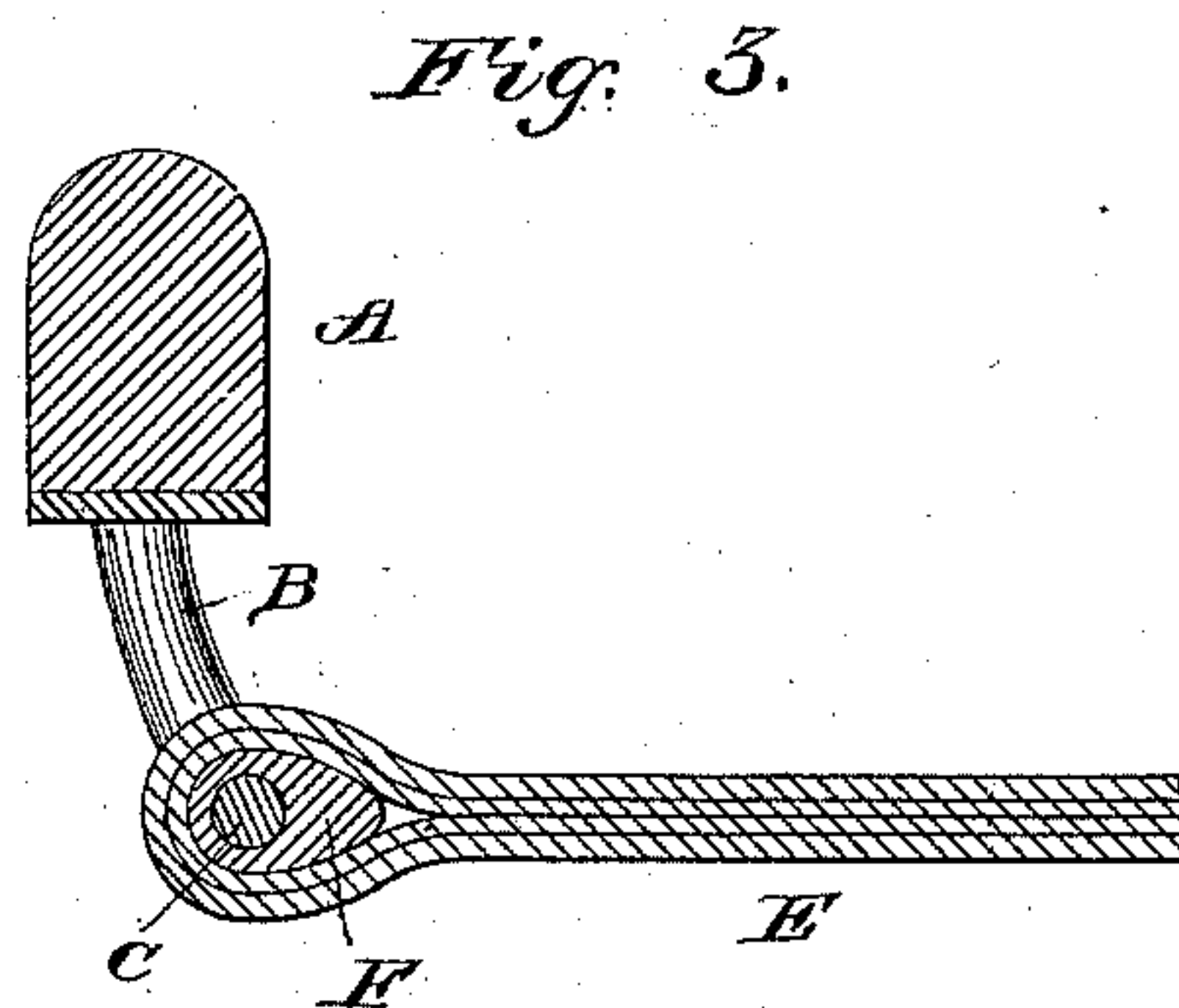
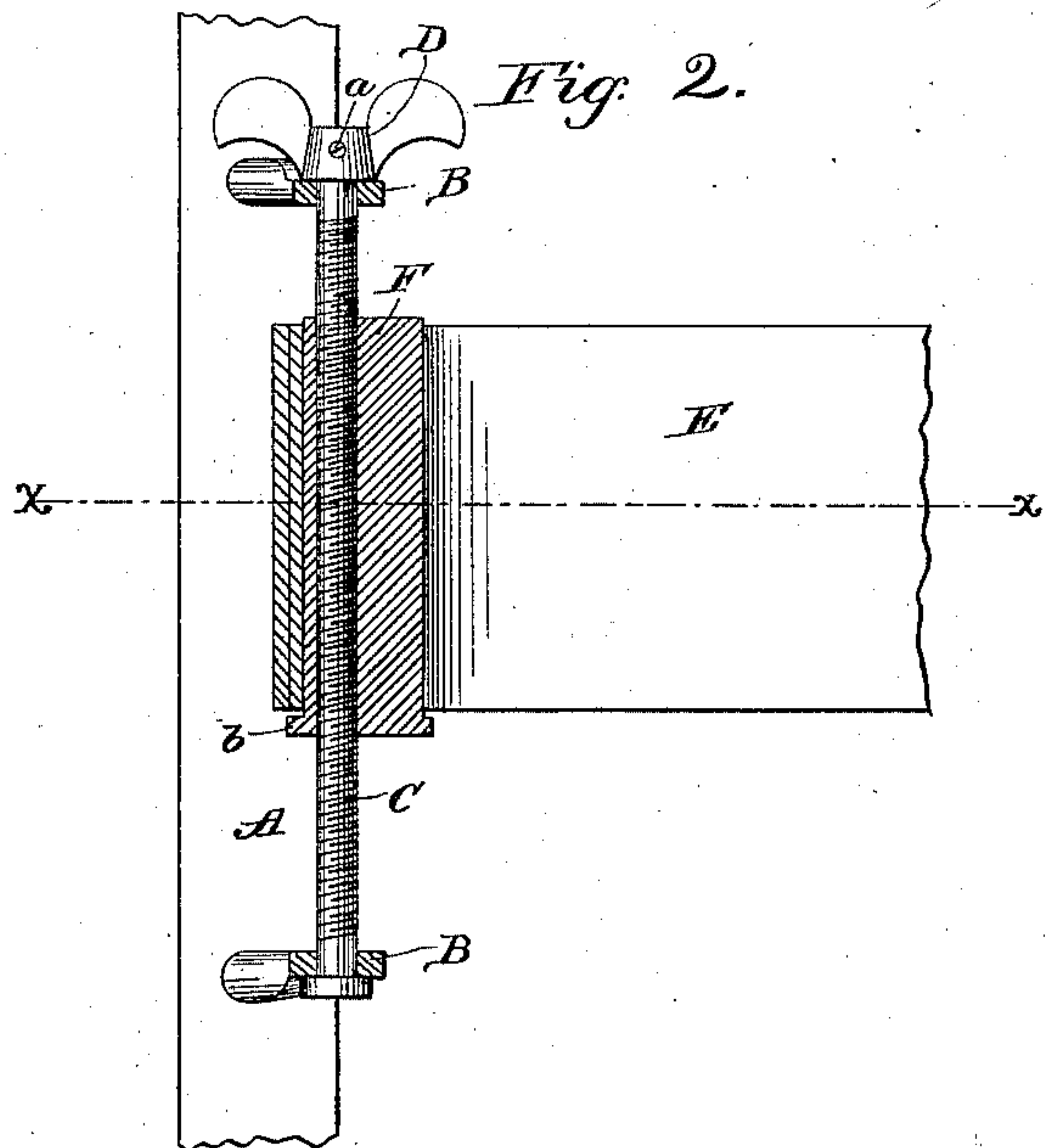
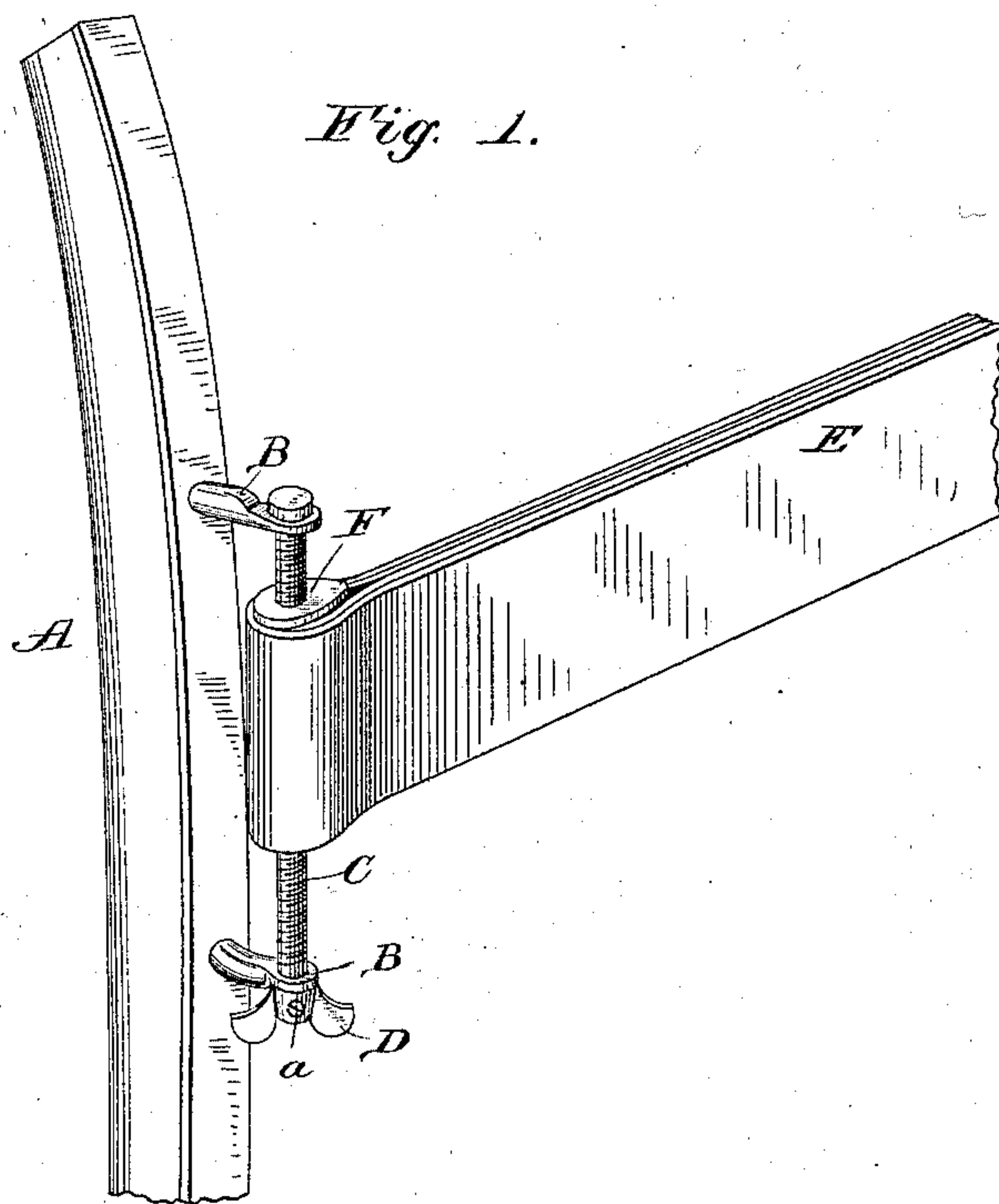
(No Model.)

B. GOESSMANN.

HAME.

No. 335,123.

Patented Feb. 2, 1886.



WITNESSES

*Percy C. Bowen.*  
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# UNITED STATES PATENT OFFICE.

BENNO GOESSMANN, OF SAGINAW, MICHIGAN.

HAME.

SPECIFICATION forming part of Letters Patent No. 335,123, dated February 2, 1886.

Application filed October 19, 1885. Serial No. 180,353. (No model.)

*To all whom it may concern:*

Be it known that I, BENNO GOESSMANN, a citizen of the United States, residing at Saginaw city, in the county of Saginaw and State of Michigan, have invented a new and useful Improvement in Hames, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to hame-clips; and it has for its object to provide a device of this character which will allow the adjustment of the trace to suit different-sized horses, and which will also obviate the wearing of the trace at the point of attachment to the hame.

With this end in view the said invention consists in the peculiar construction and combination of parts, as will be hereinafter set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view showing my improved hame-clip applied to one section of the hame to attach the trace thereto. Fig. 2 is a longitudinal vertical section taken through the trace. Fig. 3 is a transverse section on the line *x x*, Fig. 2.

Like letters are used to indicate corresponding parts in the several figures.

Referring to the drawings, A designates the hame-section, having brackets B B extending outwardly therefrom, the outer ends of the brackets being flattened and perforated, which perforations are aligned with each other.

C designates a screw-threaded bolt, headed at its lower end, which bolt is arranged in a vertical position and connects the two brackets B B, a thumb-screw, D, being held fast on the upper end of the bolt C, outside of the top bracket, by a screw, *a*.

E designates the trace, provided at its front end, where it is connected to the hame, with a central opening, in which is seated a metallic bushing, F, which is substantially oval in cross-section, as shown in Fig. 3, the lower end of the bushing having an annular flange, *b*, which prevents the trace from dropping down over the bushing. The bushing F is provided with a vertical threaded passage to receive the screw-bolt C, the turning of the bolt causing its threads to engage with the threads in the passage of the bushing, thereby adjusting the

trace vertically to suit different-sized horses. The bushing F, located within the front end of the trace, receives the wear which would otherwise be placed on the leather from which the trace is constructed. For this reason the wear on the parts is reduced to a minimum, and the clip is enabled to stand many years' service. The peculiar shape of the bushing prevents it from turning while in use, and also during the operation of the threaded bolt.

It will be understood that by turning the thumb-screw at the upper end of the screw-bolt the latter is caused to rotate and effect the vertical movement and corresponding adjustment of the trace, as before stated. As the bolt C is considerably longer than the width of the trace, the latter is given a much greater adjustment than with the hame-clips now in use.

Having described my invention, I claim—

1. The combination, with the hame and the threaded bolt attached thereto, of the leather trace provided at its forward end with a vertical opening or passage, and a metallic bushing seated in the opening and provided with a threaded perforation for the passage of the bolt, as set forth.

2. The combination, with the hame and the threaded bolt attached thereto, of the leather trace provided at its forward end with a vertical opening or passage, a metallic bushing seated in the opening and constructed substantially oval in cross-section, and a threaded perforation provided in the bushing for the passage of the bolt, as set forth.

3. The combination, with the hame, of the threaded bolt attached thereto, the trace having the bushing seated in its front end, said bushing being constructed substantially oval in cross-section, and provided with a vertical threaded opening for the passage of the bolt, and a flange provided at the lower end of the bushing, for the purpose set forth.

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

BENNO GOESSMANN.

Witnesses:

BARNET RUBENSTEIN,  
ROBERT N. WILSON.