(No Model.)

J. C. GLASER & C. A. CUMMINGS.

TRACE CARRIER.

No. 304,522. Patented Sept. 2, 1884.

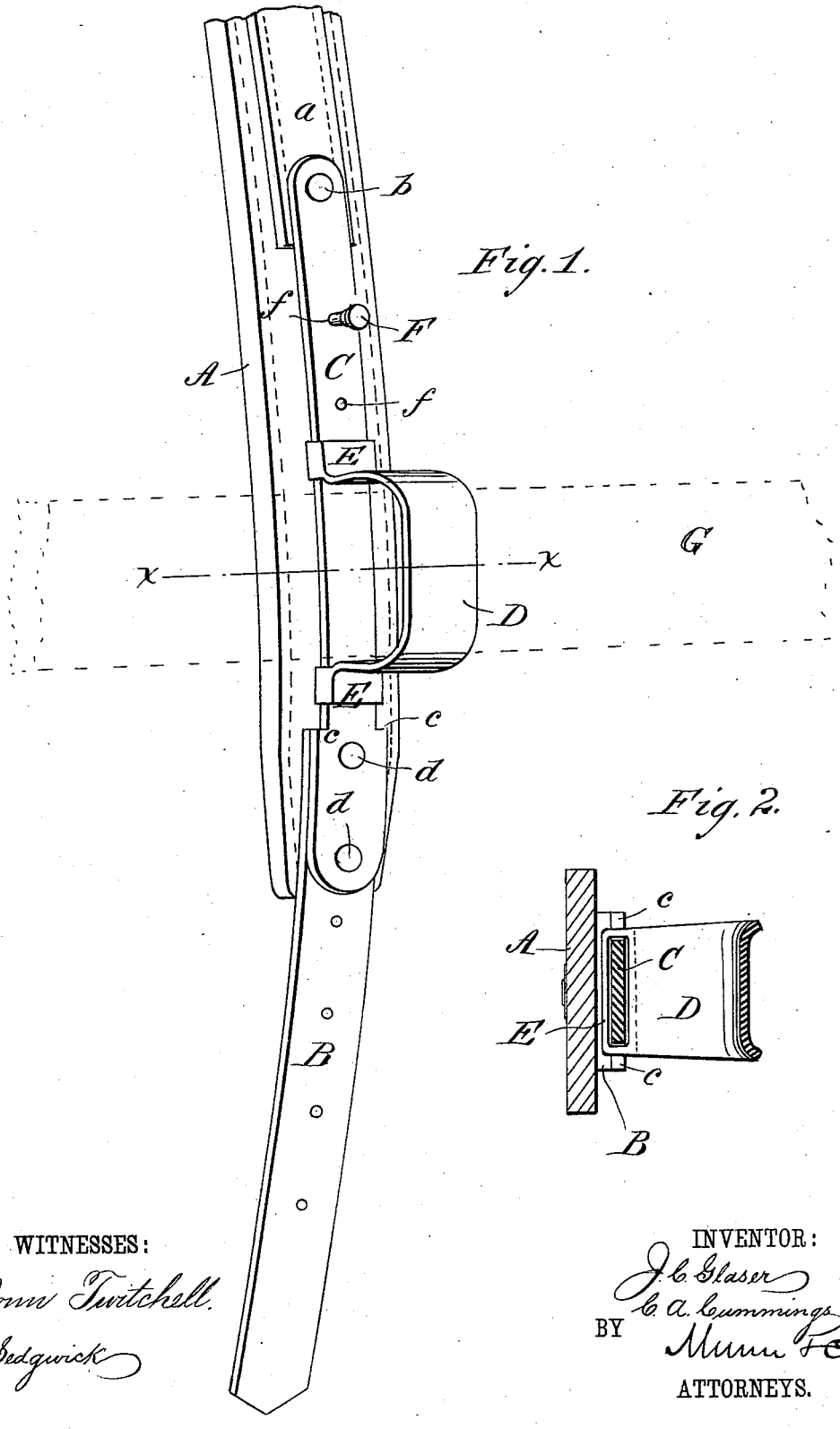

Fig. 1.

Fig. 2.

WITNESSES:

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JOHN C. GLASER AND CHARLES A. CUMMINGS, OF MONTICELLO, IOWA.

TRACE-CARRIER.

SPECIFICATION forming part of Letters Patent No. 304,522, dated September 2, 1884.

Application filed March 26, 1884. (No model.)

To all whom it may concern:

Be it known that we, JOHN C. GLASER and CHARLES A. CUMMINGS, of Monticello, in the county of Jones and State of Iowa, have invented a new and Improved Trace-Supporter, of which the following is a full, clear, and exact description.

The object of our invention is to provide a trace-supporter which will adjust itself automatically to the line of draft of the trace, and at the same time will support the trace in its proper position when relieved from strain.

This invention consists in a metallic loop provided with sockets adapted to fit and slide upon a metallic bar or slide secured to the skirt of the saddle, and in a thumb-screw to be screwed into the slide to limit the movement of the loop, as will be hereinafter more particularly described.

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

Figure 1 is a perspective view of one of our trace-supporters as applied to the skirt of a saddle, and Fig. 2 is a cross-section of the same on the line *x x* in Fig. 1.

A indicates the skirt of a saddle, and B a portion of the belly-band secured upon the skirt A, and extending from the pad (not shown) to the end of the skirt is a flat metallic bar or slide-bar, C, which is made wider at its lower end to form the shoulders *c*, and to give a better bearing upon the skirt; but these shoulders may be omitted, if so desired. The slide-bar C is secured to the skirt at its upper end, with the strip of leather, *a*, between it and the skirt, by the rivet *b*, and at the lower end by the rivets *d*, with one end of the belly-band between it and the skirt, whereby a space is left between the slide-bar and the skirt, as shown. A metallic loop, D, is provided with sockets E, fitting upon the slide-bar C. A thumb-screw, F, can be screwed into one of a series of holes, *f*, in the slide-bar C, to limit the upward movement of the said loop D. The trace G (shown in dotted lines) passes through the loop D, and is supported in its proper position in relation to the saddle, when there is no strain upon it, by the said loop, and when a draft-strain is put upon the trace the loop D, being free to move by its sockets E upon the slide-bar C allows the trace to adjust itself to the line of draft as well in ascending and descending hills and upon rough roads as upon a level road, and likewise it adjusts itself to horses of different heights and under all conditions of work. The trace is not chafed upon either edge, as when under strain it always passes straight through the loop, and the loop admits of the end of the trace being passed through it without detaching any part.

This supporter is durable, as all the parts exposed to wear are of metal. The slide-bar and loop are preferably made of malleable iron, but can be made of any suitable material to suit the harness to which it is to be applied.

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

1. The loop D, having sockets E, in combination with the slide-bar C, adapted to be secured upon a saddle-skirt, substantially as shown and described.

2. The combination, with the skirt A, belly-band B, and slide-bar C, secured to the said skirt and belly-band, of the loop D, having sockets E, substantially as shown and described.

3. The combination, with the loop D and the slide-bar C, provided with holes *f*, of the thumb-screw F, substantially as shown and described.

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Witnesses:
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