

PATENTED

DEC 17 1867

Benjamin J. Hartman

Trace Fastener

72394

Fig. 1

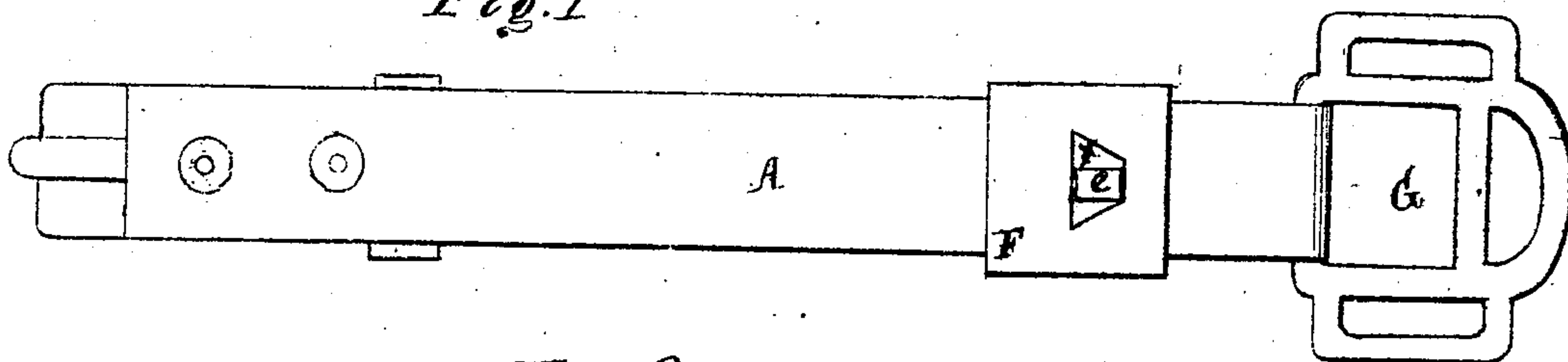
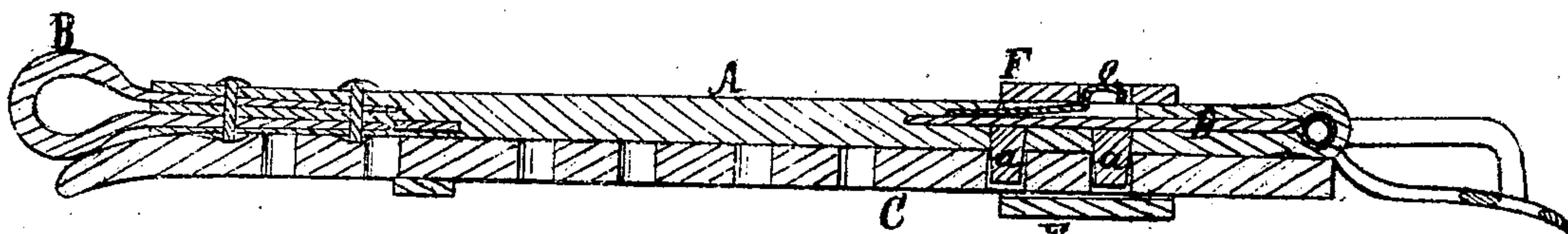


Fig. 2.



Witnesses

Conrad L. Cox
Chas. H. Marr

Inventor:

Ben. J. Hartman
per
Alexander Mason
AM

United States Patent Office.

BENJAMIN J. HARTMAN, OF WOOSTER, ASSIGNOR TO HIMSELF AND
GEORGE LIGGETT, JR., OF WAYNE COUNTY, OHIO.

Letters Patent No. 72,394, dated December 17, 1867.

IMPROVED TRACE-FASTENER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, BENJAMIN J. HARTMAN, of Wooster, in the county of Wayne, and in the State of Ohio, have invented certain new and useful Improvements in Trace-Fastener; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

In the annexed drawings, making part of this specification, A represents the short tug or set of harness, which connects to the hames, and is provided at one end with a metallic loop, B, for connecting it, and at the other end with a buckle, G, for connecting to the saddle and belly-band. C represents the tug, which leads back to the whiffle-tree. In the rear end of the short tug A is inserted a metallic plate, D. This plate has secured to it a spring, *e*, which is formed with shoulder near its outer end for answering the purpose of a catch. On the opposite side of this plate, from the spring, are two tongues or pins *a a*. F represents a metallic keeper, which slides upon the tug A, and which is provided, in its outer face, with a slot, *x*.

In order to secure the long tug C to the short one, the two are placed together, so that the tongues *a a* enter openings or holes in the tug for that purpose. The keeper F is then moved up (surrounding both of the tugs) until it covers the pins or tongues *a a*, and the spring *e*, with its shoulder, catches in the slot *x* of the keeper. The shoulder on the spring holds the keeper in place, and the keeper, of course, prevents the tongues *a a* from leaving the holes in the tug C. By this means a very secure and simple fastening is made. The outer end of plate D is curved so as to embrace the buckle G, to assist in holding it to the short tug.

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

The plate D, as constructed, when used in combination with the tugs A and C and the keeper F, substantially as and for the purpose set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 21st day of October, 1867.

B. J. HARTMAN.

Witnesses:

C. C. PARSONS,
WM. J. LARWILL.