

A. Thompson,
Trace Buckle,
Nº 68,323, Patented Aug. 27, 1867.

Fig. 1.

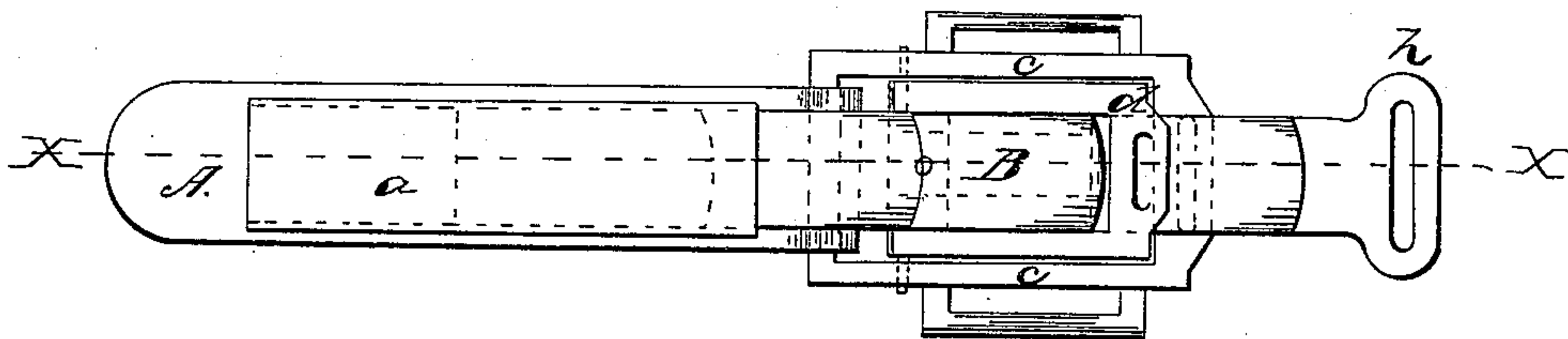
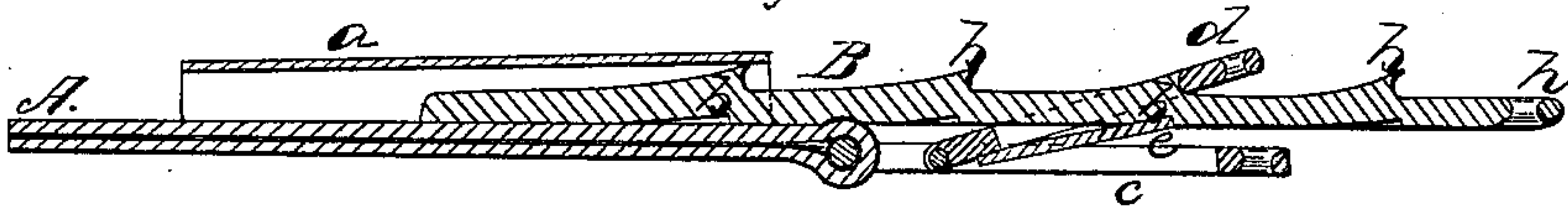


Fig. 2.



Witnesses
Thos. Inche
& A. Service

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ANDREW THOMPSON, OF OTTUMWA, IOWA.

Letters Patent No. 68,323, dated August 27, 1867.

IMPROVED TRACE-ATTACHMENT.

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, ANDREW THOMPSON, of Ottumwa, in the county of Wapello, and State of Iowa, have invented a new and useful improvement in Harness-Trace Attachment; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a top view of my invention.

Figure 2 is a longitudinal section, taken on the line *x x*, fig. 1.

Similar letters of reference indicate like parts.

The nature of this invention consists in attaching to a harness-trace a metal point or end having ratchet-teeth or a series of projections on the upper side, which catch a clamp for fastening the trace, as hereinafter described.

A is the leather tug-strap, with the trace-loop *a*, and B a metal point, with ratchet-teeth *b b* on the upper side, pointing backwards, and a loop, *h*, at the rear end for securing the end of a leather trace. The tug-strap is fastened to the front bar of an ordinary buckle-frame, *c*, provided with loops for connecting with the back-strap, &c., in the usual manner. To this frame *c* is swivelled at the front end a looped metal clamp or catch, *d*, which rides upon the metal trace-point B, and sets in one of the ratchet-teeth *b*, to hold the trace that passes through it. A spring, *e*, is fastened to the under side of the clamp *d* to bind the trace-point and clamp together, or bear the clamp down in one of the teeth, and hold the trace securely.

It will be seen that the metal point on the trace will be very easily attached and detached, and will be very durable and economical. Leather traces are liable to tear out at the holes; and as they require the best quality of leather they are an expensive part of the harness. The first cost of the trace with my improved metal point will also be greatly reduced, as the necessity for having the trace double and stitched will be dispensed with, a good single-leather trace having a metal point being as good in all respects as the best double-leather trace.

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

A metal harness-trace point, B, having ratchet-teeth *b b*, or their equivalents, in combination with a spring-clamp, *d*, for fastening the trace, constructed, arranged, and operating substantially as and for the purpose herein described.

Witnesses:

RICHARD DRAPER,
WILLIAM DRAPER.

ANDREW THOMPSON.