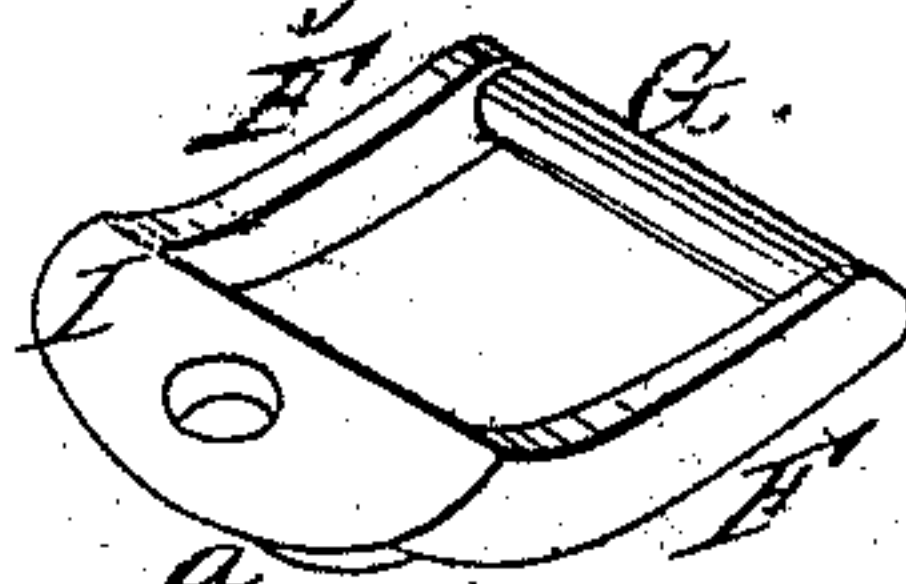
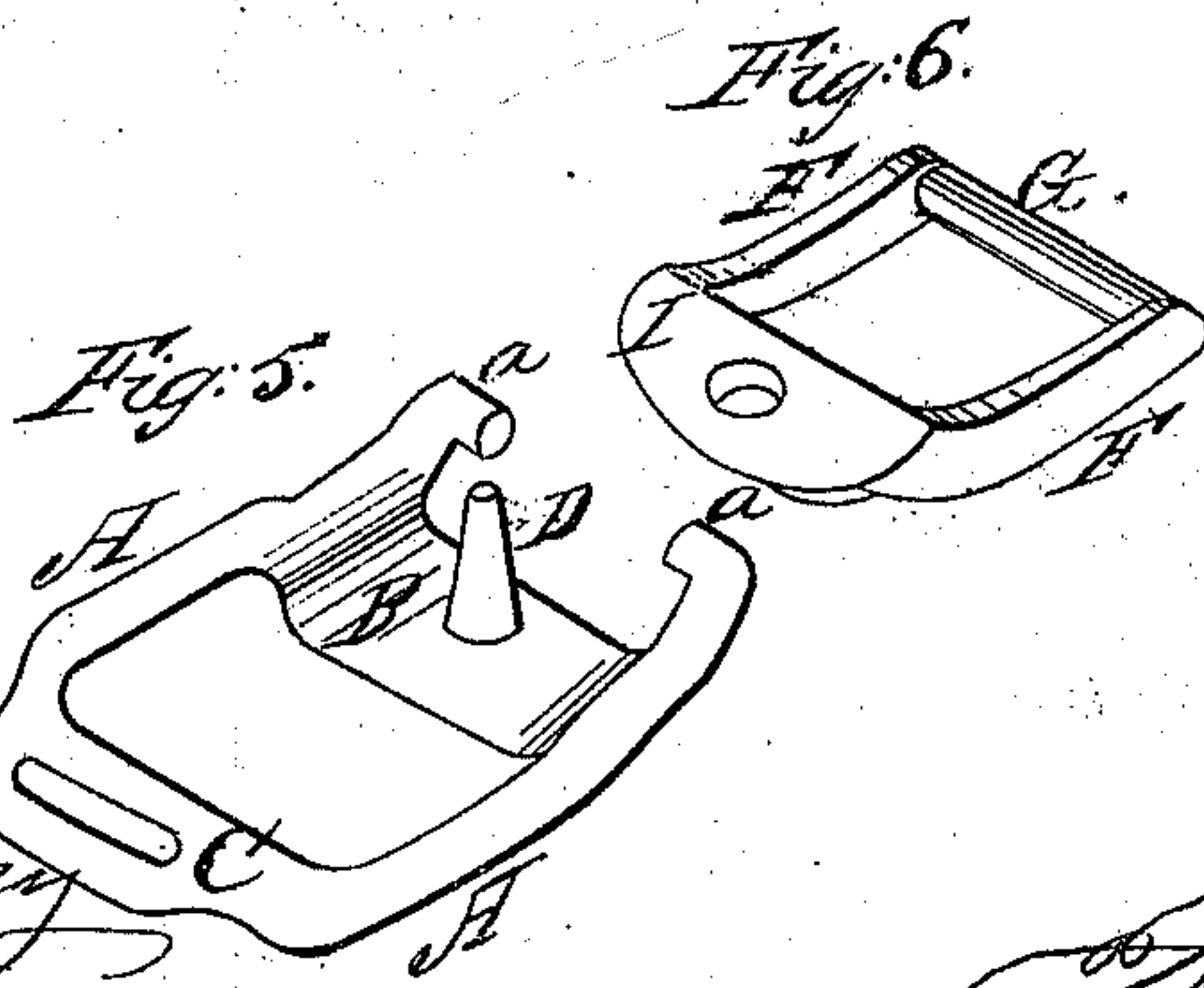
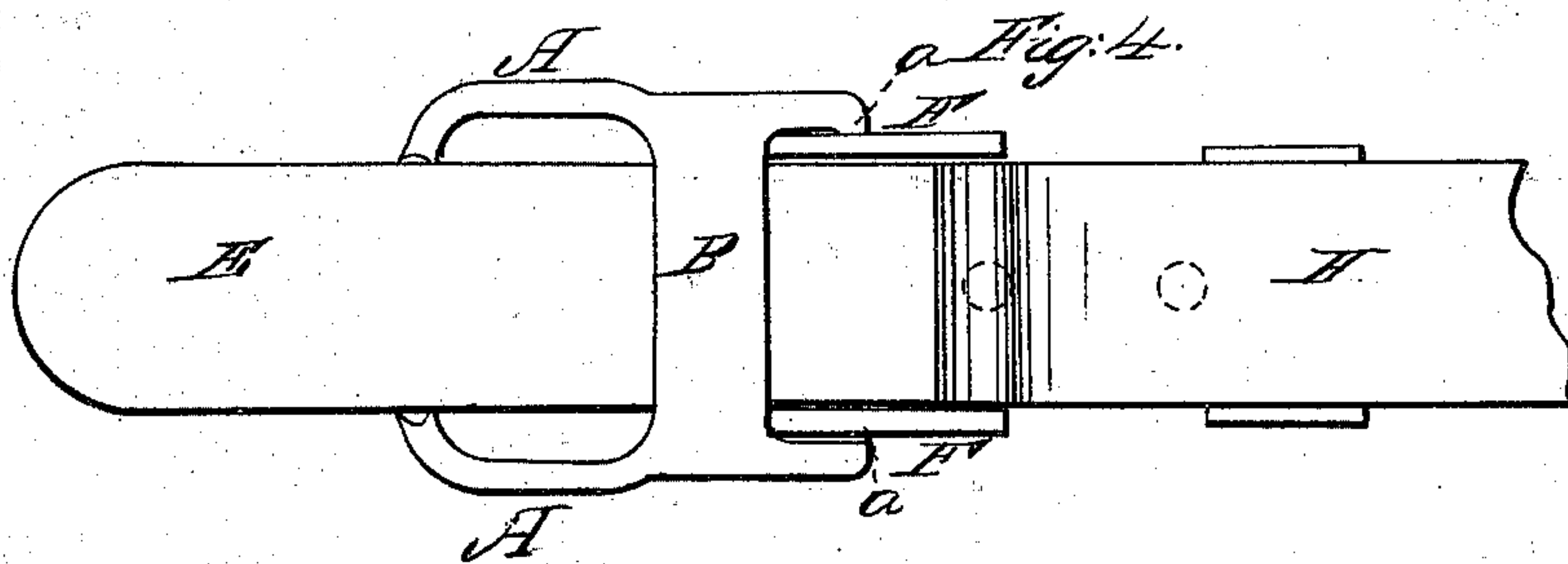
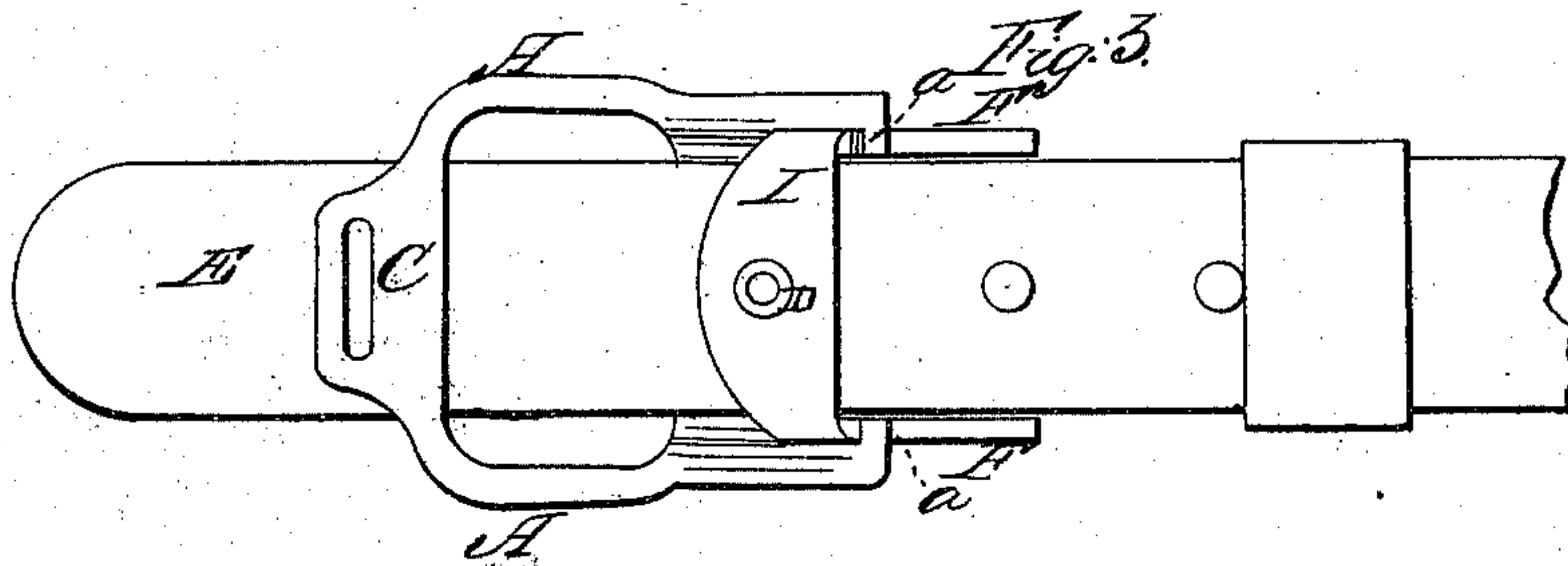
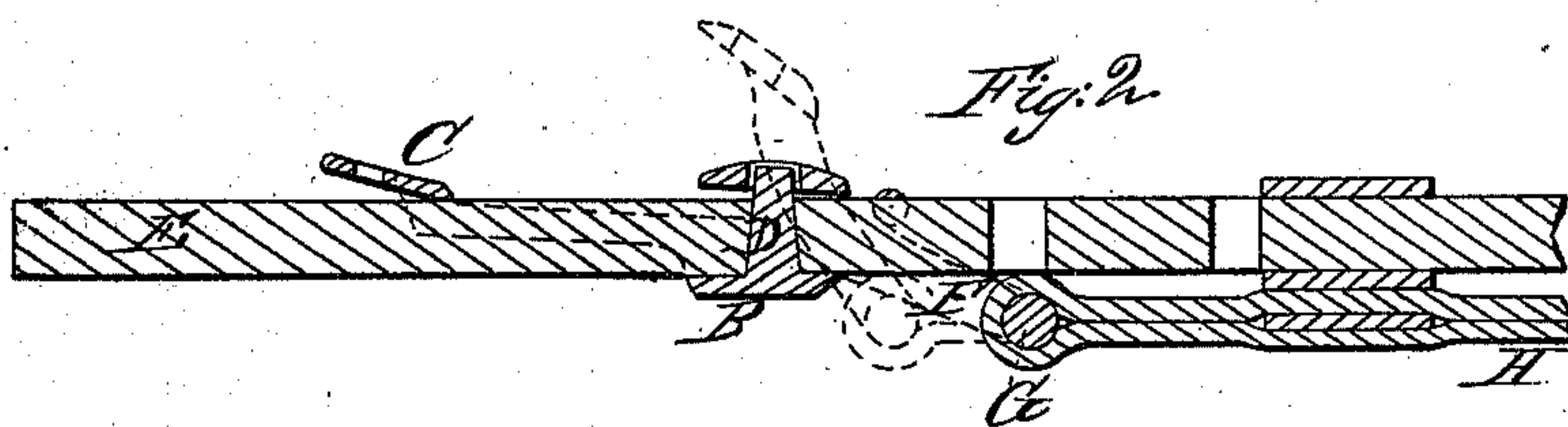
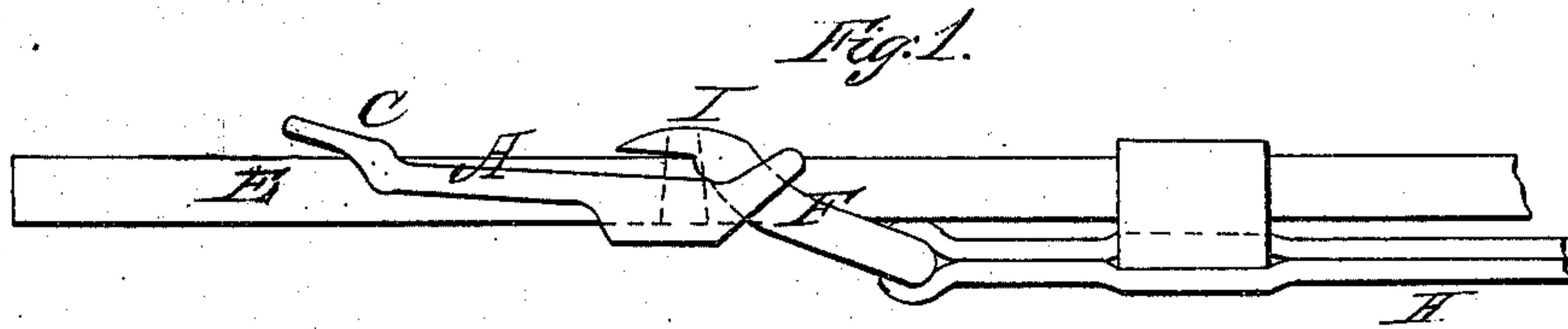


W. A. Robinson,

Trace Buckle.

No. 97,704.

Patented Dec. 7. 1869.



Witnesses:

D. J. Seymour
D. J. Libb

Inventor:

William A. Robinson

Assignor to O. B. North & Co

By Attorney

John E. Earle

United States Patent Office.

WILLIAM A. ROBINSON, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR TO O. B. NORTH & CO.

Letters Patent No. 97,704, dated December 7, 1869.

IMPROVED TRACE-BUCKLE.

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, WILLIAM A. ROBINSON, of Grand Rapids, in the county of Kent, and State of Michigan, have invented a new Improvement in Trace-Buckle; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

- Figure 1, a side view;
- Figure 2, a longitudinal section;
- Figure 3, a top view;
- Figure 4, an under-side view; and in
- Figures 5 and 6, the two parts detached.

This invention relates to an improvement in that class of buckles known as "trace-buckles," but alike applicable to other buckles; and

It consists in a frame, upon which a vertical tongue is formed, to pass through the trace, and a clamp, attached to the hames-strap, working under trunnions, formed on the buckle-frame, the clamp constructed so as to slide and act in combination with the said trunnions, as a cam, to press down on the trace and hold it over the tongue.

A A are the two sides of the frame, with a cross-bar, B, bent down, so as to pass beneath the trace, and with a connection, C, to pass over the trace.

The two sides terminate in trunnions *a a*, forward of the bar B, and on the bar B, a tongue, D, is formed, vertically, as seen in figs. 2 and 5, so as to pass through a perforation in the trace E, as seen in fig. 2.

F F are the two sides of the clamp, connected by a cross-bar, G, in front, to which the strap H is attached, the sides F F connected at the other end by a bar, I, and the sides curved or formed substantially as seen in fig. 1, so as to pass under the trunnions *a a*, the bar I lying above the trace, and the bar G below, and so that, when the trace is in position, the clamp may be thrown up, as denoted in broken lines, fig. 2.

The bar I is perforated, as seen in fig. 3, so as to clamp down over the tongue.

To adjust the trace, draw the trace and frame forward toward the strap H, which movement forces the clamp up, as denoted in broken lines, fig. 2, then raise the trace from the tongue D, and replace it in the desired position, then draw the trace back until the clamp drops upon the trace, as denoted in fig. 1.

I claim, as my invention—

In combination with the buckle frame A, constructed with trunnions *a a* thereon, and the cross-bar B, the said cross-bar having the tongue D formed thereon, the clamp, consisting of the bars I and G, with the two sides F F, the said two sides curved, and arranged as described, so as to operate under the trunnions, and clamp the strap between the bars I and B, substantially in the manner herein set forth.

WM. A. ROBINSON.

Witnesses:

A. J. TIBBITS,
J. H. SHUMWAY.