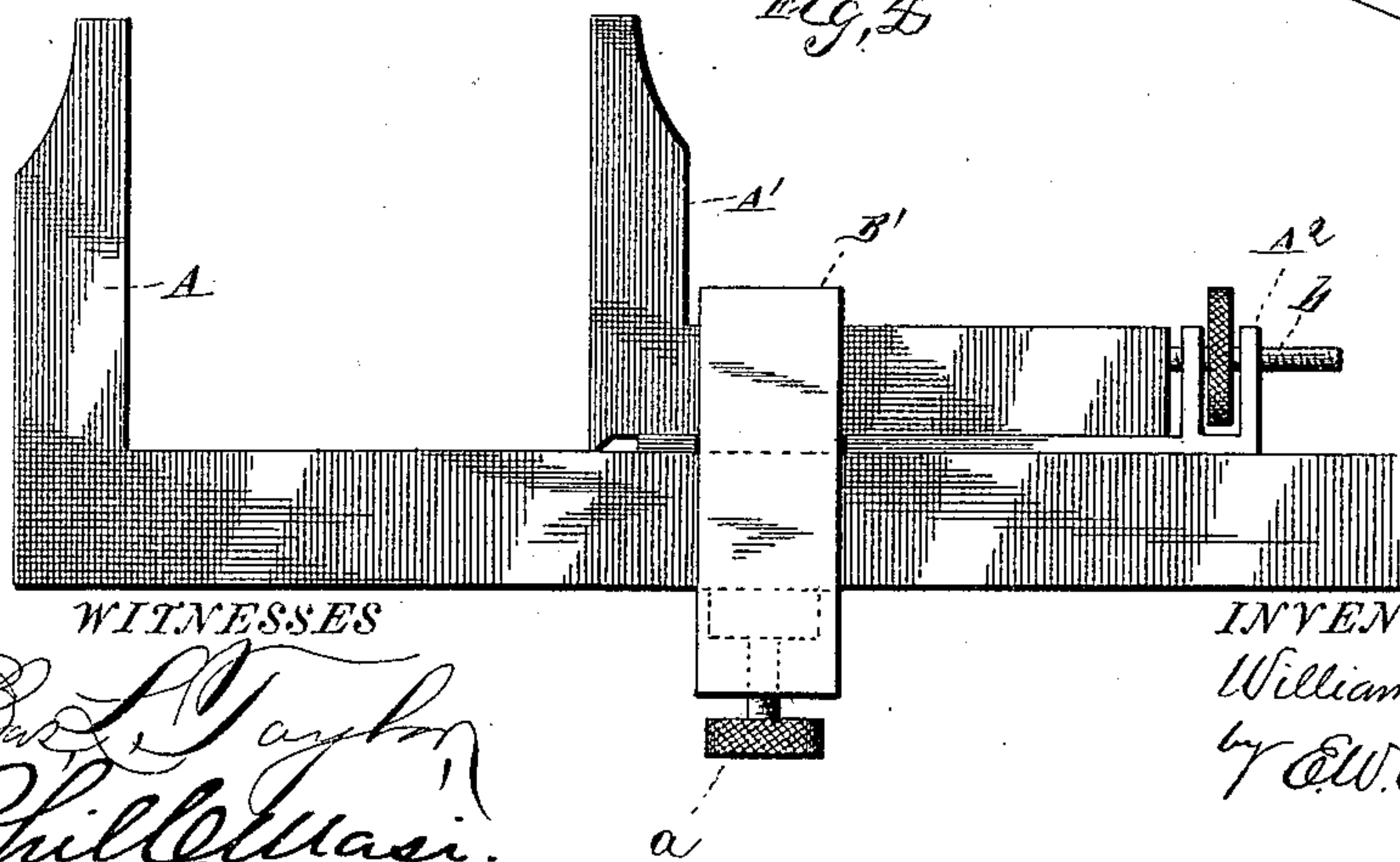
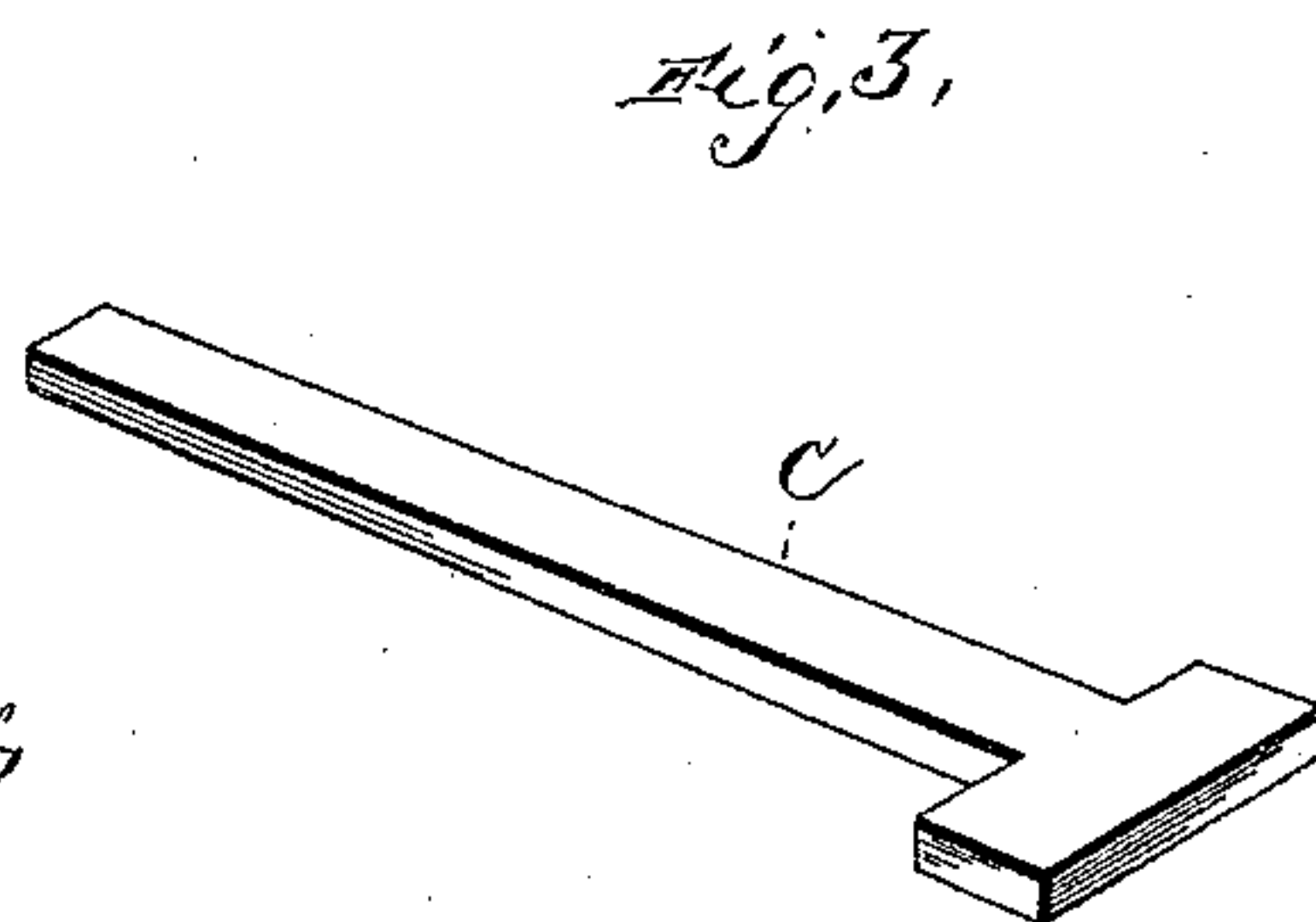
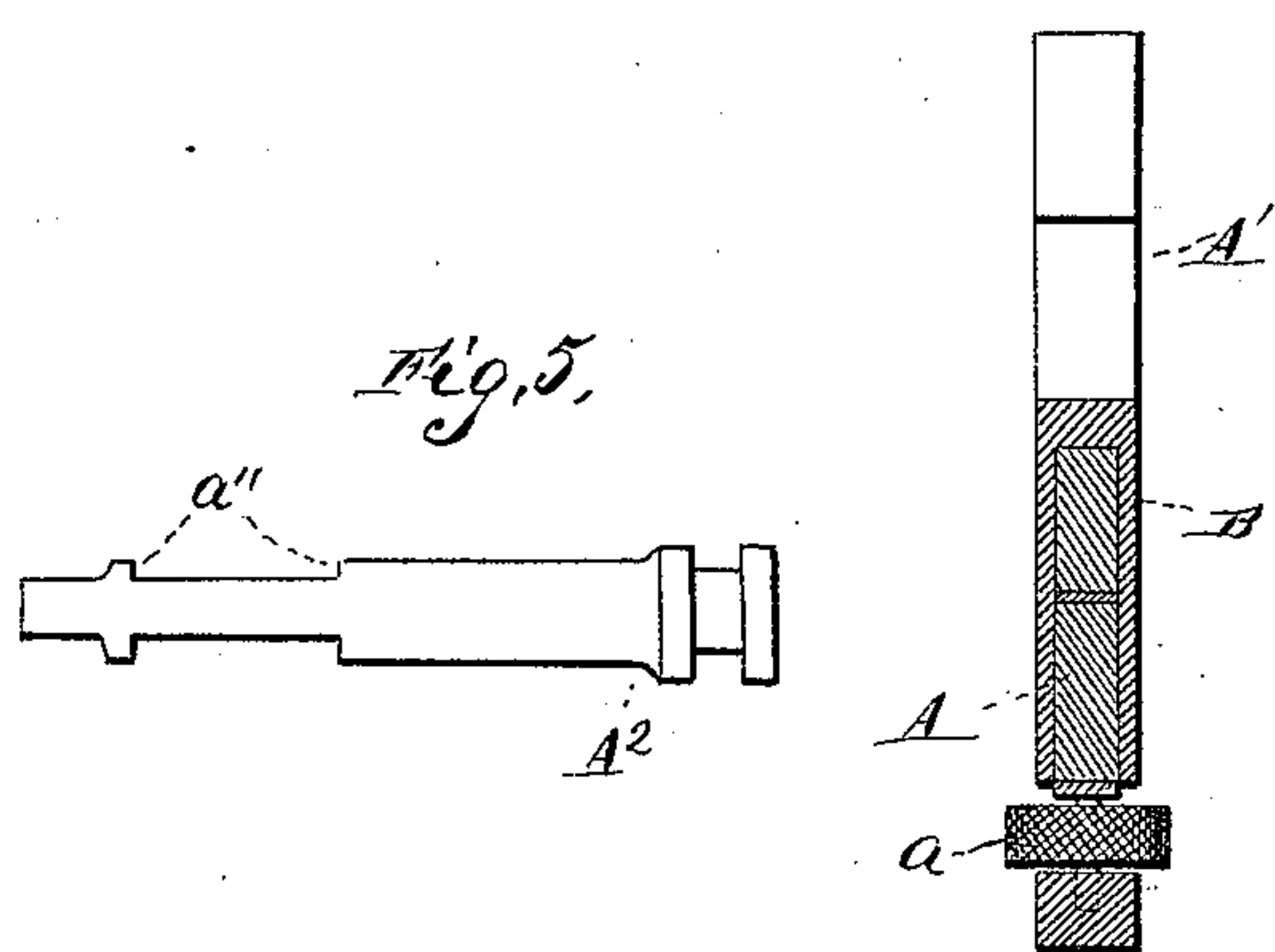
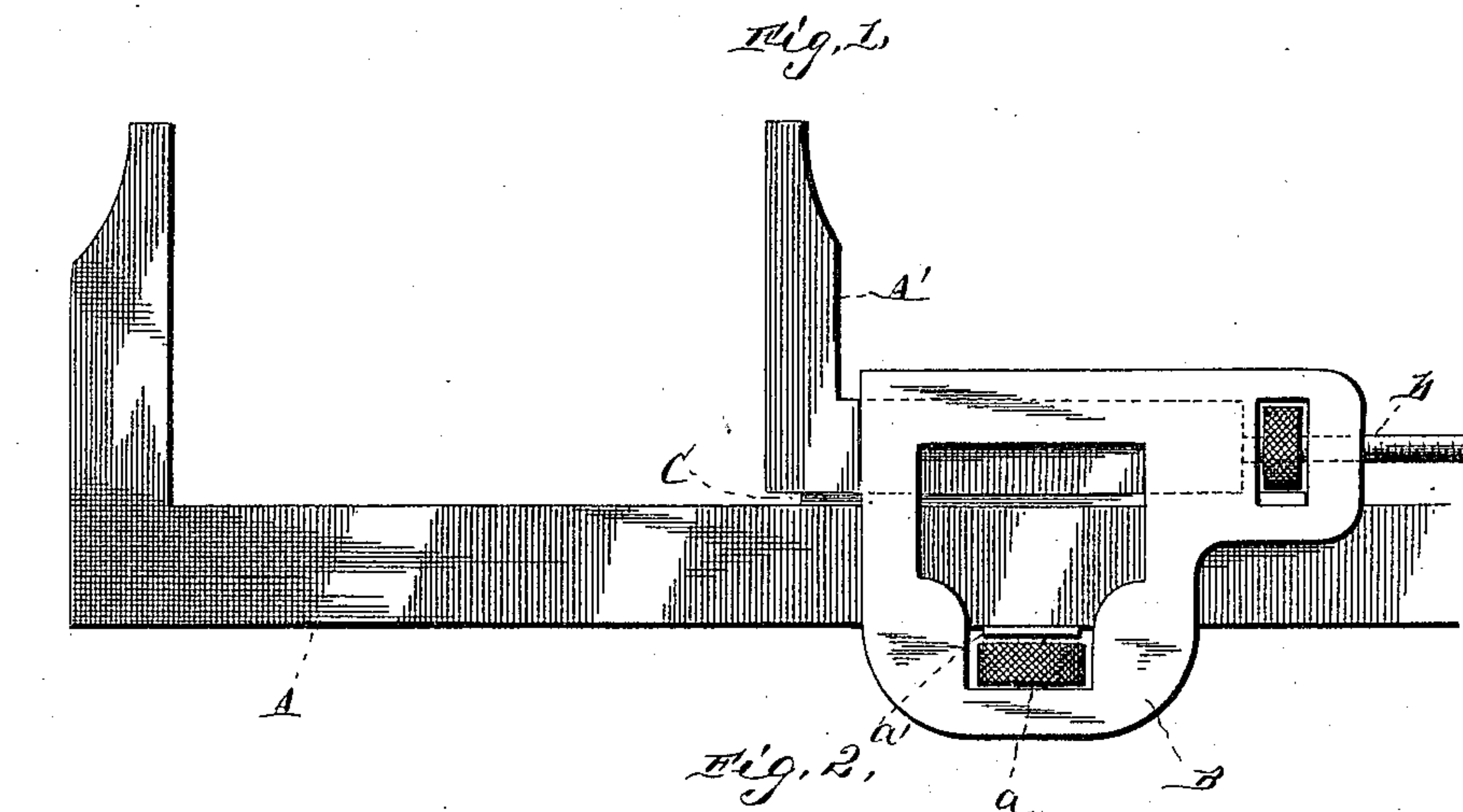


(No Model.)

W. RICKETTS.  
GAGE.

No. 447,203.

Patented Feb. 24, 1891.



WITNESSES  
*Charles L. Taylor*  
*Phillips*

INVENTOR  
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Attorney

# UNITED STATES PATENT OFFICE.

WILLIAM RICKETTS, OF CRANSTON, RHODE ISLAND.

## GAGE.

SPECIFICATION forming part of Letters Patent No. 447,203, dated February 24, 1891.

Application filed June 21, 1890. Serial No. 356,239. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM RICKETTS, a subject of the Queen of Great Britain, a resident of Cranston, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Adjustable Jaws for Bar-Calipers, Verniers, &c.; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a side view. Fig. 2 is a vertical section. Fig. 3 is a detail view, and Fig. 4 is a modification. Fig. 5 is a detail of the angle-bar shown in Fig. 1.

This invention relates to certain improvements in clamps designed particularly for bar-calipers, verniers, and height-gages; and it consists in the novel construction and combination of parts, as hereinafter described.

In the drawings, A A' refer to the jaws of the clamp, each a right-angle bar, and having the longer horizontal portion or arm arranged to slide or move in a frame or case B and one resting directly above the other.

In an opening in the lower central portion of the case or frame B is the head of a screw a, working in a screw-threaded aperture in said frame or case, said head bearing against a gib or bar a' between it and the horizontal arm of the jaw A, and adapted to clamp or bind the latter firmly in position in said frame with relation to the jaw A. In the back end of the case or frame B is also an opening re-

ceiving a cylindric nut engaging a screw b, bearing against the inner end of the horizontal arm of the jaw A' to effect the adjustment of the latter (the sliding jaw) with relation to the jaw A.

Between the long arm of the jaw A' and the opposite arm of the jaw A is interposed a T-headed gib C, provided for the support and sliding of the former out of contact with the latter, said gib, however, not being indispensable in the operation of the invention.

In the modification, as shown in Fig. 4, the frame or case B is displaced by a right-angled bifurcated bar A<sup>2</sup> and a yoke B', the former having the screw actuating the jaw A' and the latter carrying the screw holding the jaw A'.

The right-angled bifurcated bar A<sup>2</sup> is provided with the shoulders a'', which engage the yoke B', hold said bar rigid, and permit the jaw to move when the adjusting-screw is operated.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

The caliper consisting of the right-angled jaws, resting one above the other, the right-angled bar having its vertical arm bifurcated to receive and carry the adjusting-screw, and the yoke for assembling the said parts, said yoke carrying the retaining-screw for the jaws, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM RICKETTS.

Witnesses:

ROBERT THOMPSON,  
AMORY C. SAMPSON.