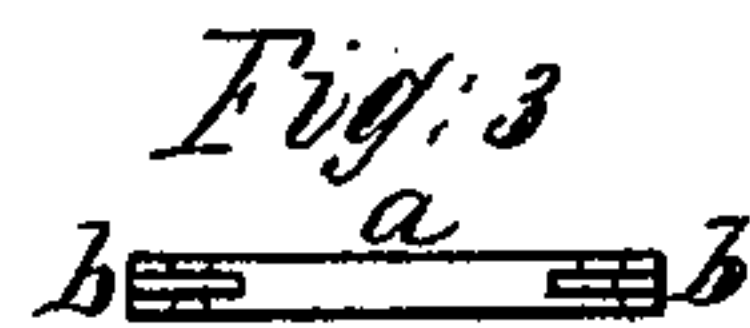
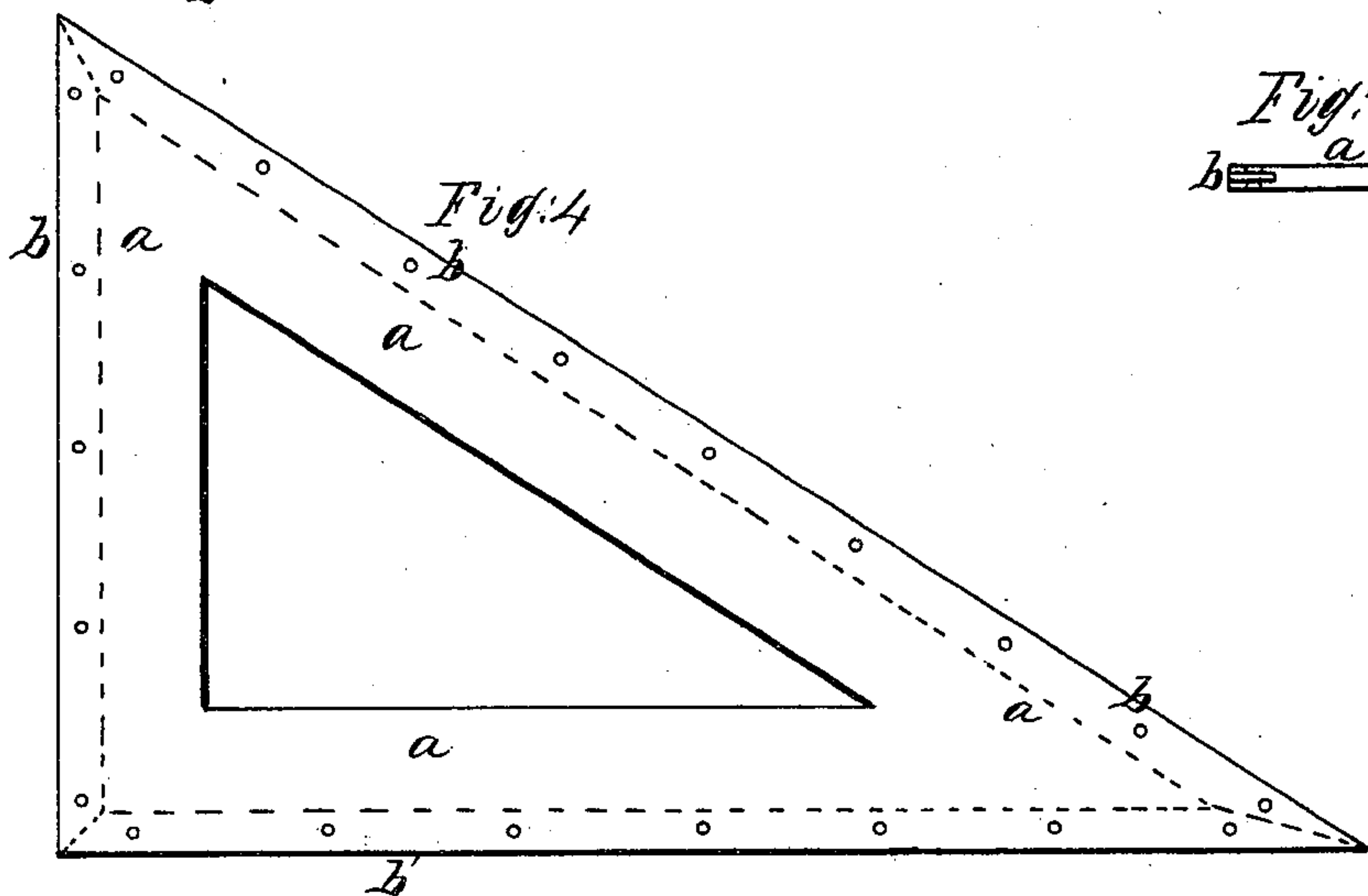
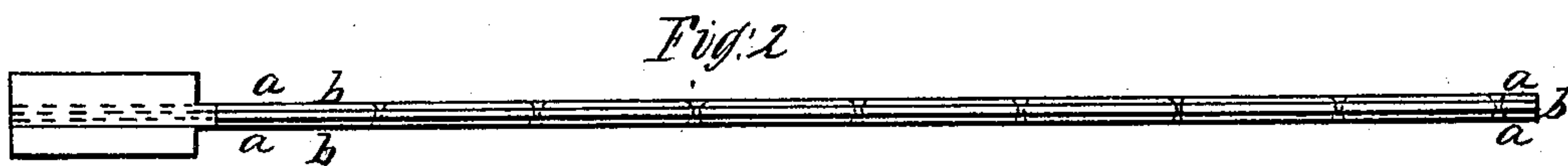
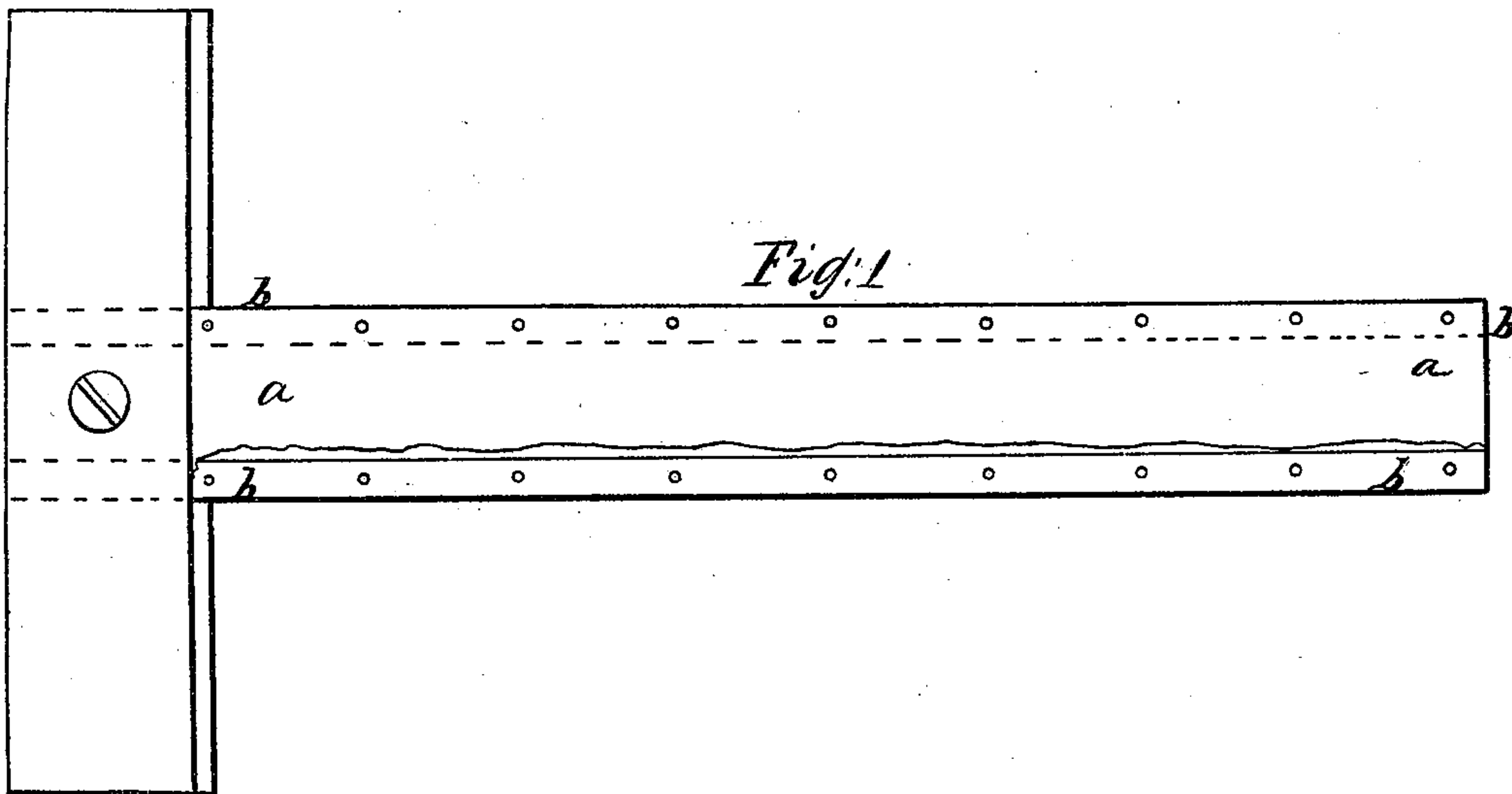


A. V. Benoit.

Square and Triangle.

Nº 95,759.

Patented Oct. 12, 1869.



Witnesses

Chas. S. Wightman
John Orr, Jr.

Inventor
A. V. Benoit

United States Patent Office.

ALPHONSE V. BENOIT, OF NEW YORK, N. Y.

Letters Patent No. 95,759, dated October 12, 1869.

IMPROVEMENT IN DRAUGHTSMEN'S SQUARES AND TRIANGLES.

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, ALPHONSE V. BENOIT, of the city, county, and State of New York, have invented a new and useful Improvement in the Method of Manufacturing T Squares and Triangles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, of which—

Figure 1 represents top view of my improved T-square, with one side partially broken off, to show the steel plate in position;

Figure 2 represents side or edge view of same;

Figure 3 represents end view of same; and

Figure 4 represents top view of my improved triangle, stamped out of sheet-leather.

In the drawings—

a a represent the leather, and

b b, the steel plates inserted therein.

My improvement consists in manufacturing T-square blades and triangles of suitably-prepared leather, (*a a*, figs. 1 and 4,) of sufficient thickness for use, (*a a*, figs. 2 and 3,) and stiffened at the edges by introducing steel plates, (*b b*, figs. 1, 2, and 3, of proper width and thickness for rigidity without impairing flexibility,) into grooves ploughed in the edges of the leather, (*a*

a, fig. 3,) to receive them, the steel plates (*b b*, fig. 3,) being bedded therein so as to finish flush with the straight edges of the leather which overlies it at the top and bottom, and to be secured thereto by rivets, or their equivalents.

The wooden T-square blades and triangles now in common use, are constantly warping and twisting with the changes of temperature and climate, and where accuracy in delineation is required, they cannot be relied upon without first being trued up.

I propose to entirely obviate these difficulties by my improvements, as above specified.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

The combination of suitable leather with adjustable steel plates, for manufacturing T-square blades and triangles, in the manner substantially as herein described.

A. V. BENOIT.

Witnesses:

JAS. S. WIGHTMAN,
JOHN ORR, Jr.