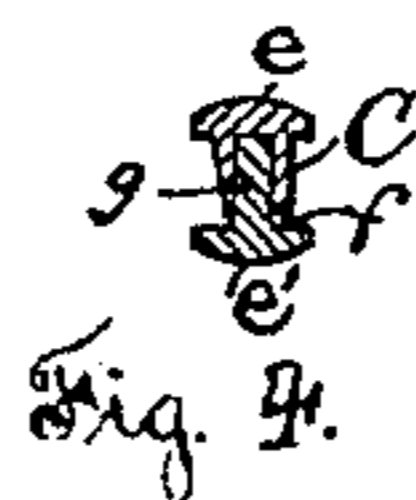
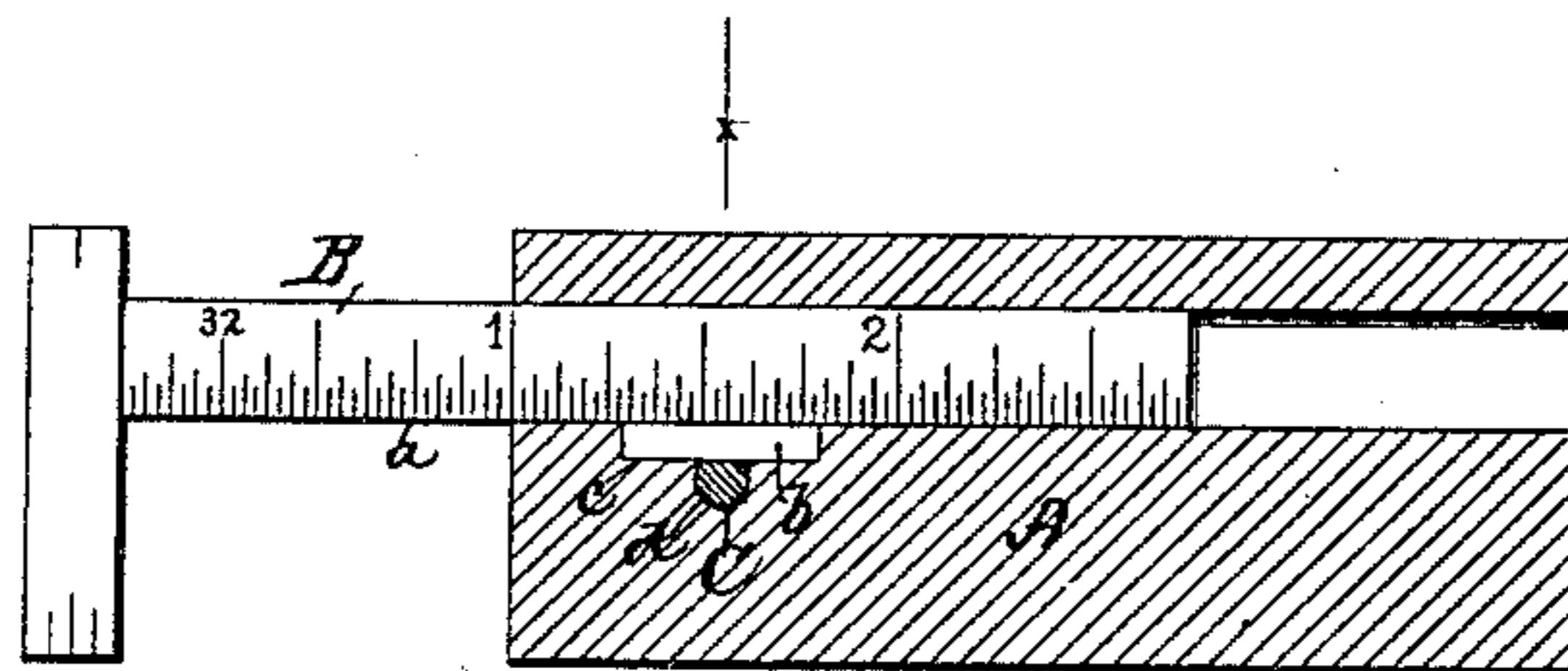
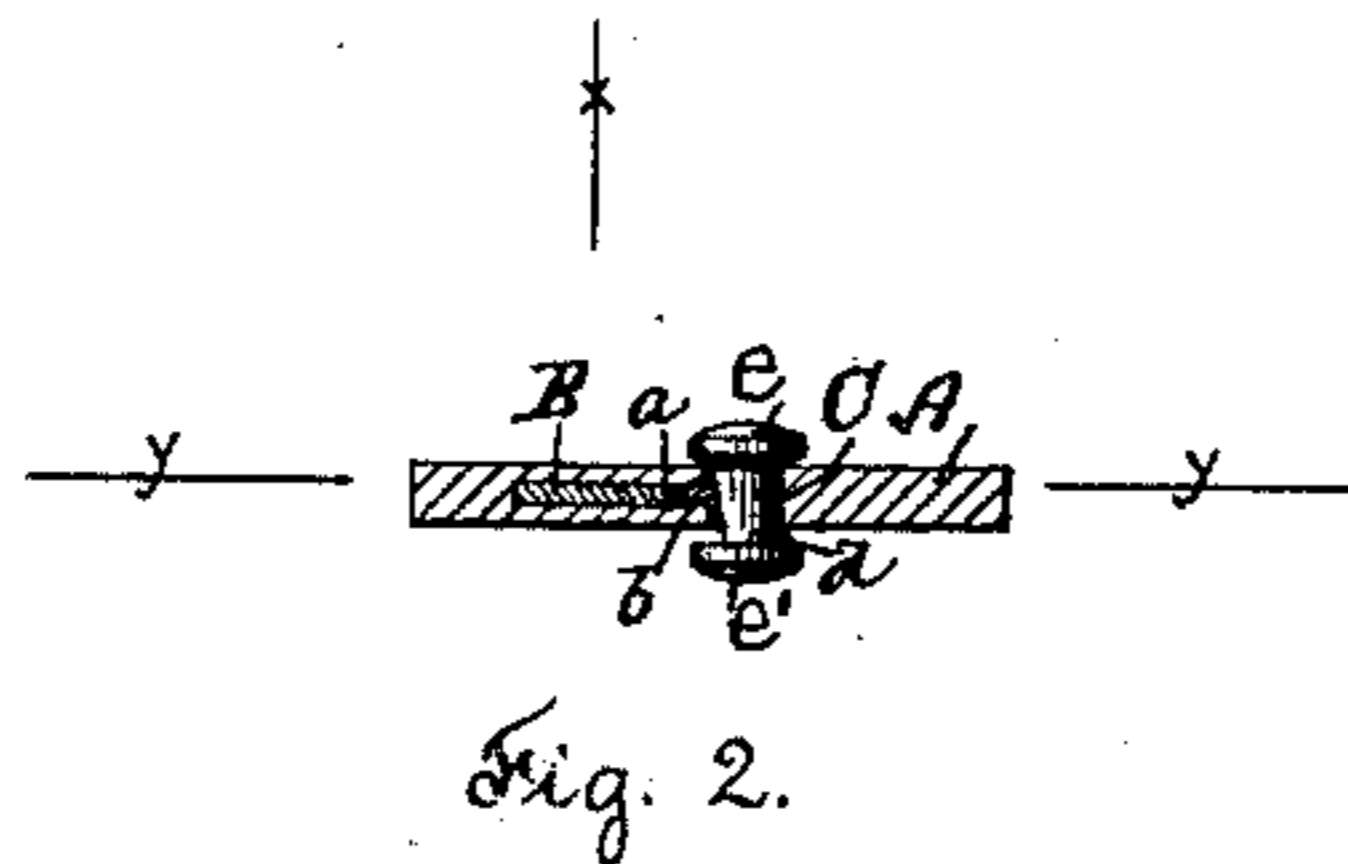
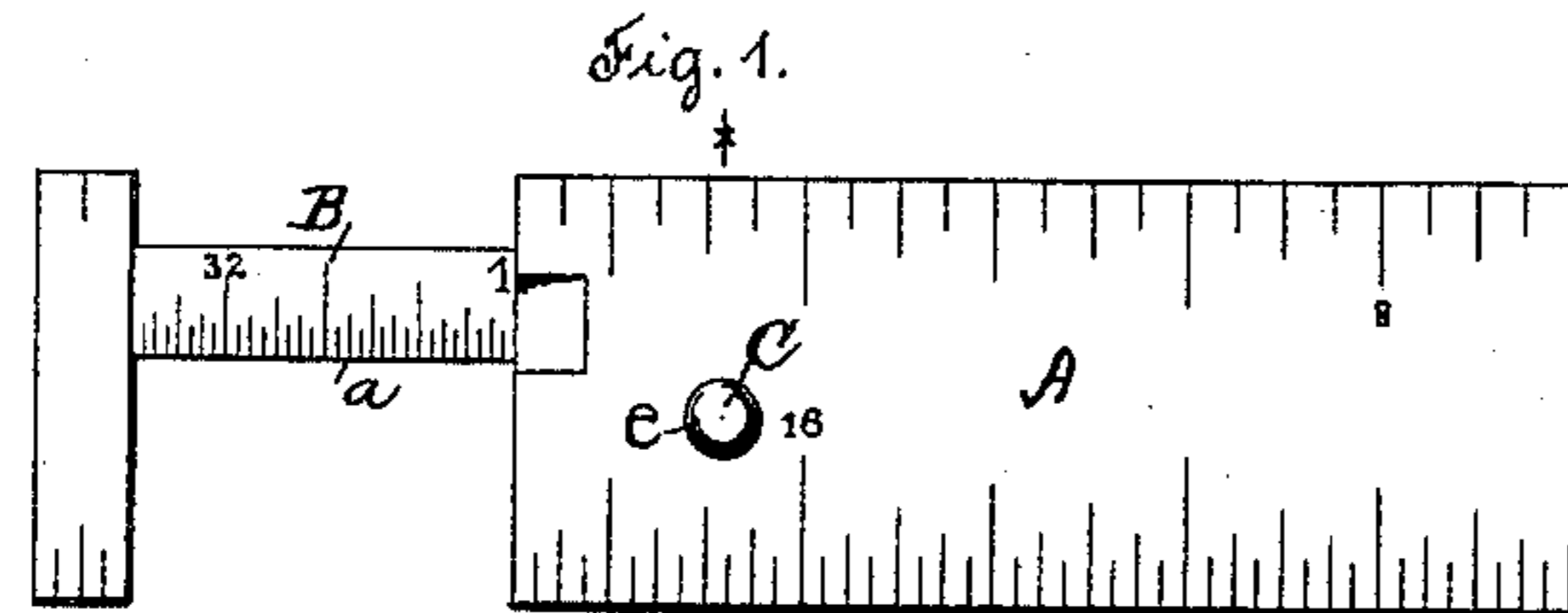


(No Model.)

S. DARLING.  
CALIPER RULE.

No. 477,105.

Patented June 14, 1892.



Witnesses  
Chas. F. Schmeltz,  
James W. Braman

Inventor,  
Samuel Darling,

By his Attorney  
L. Scholfield

# UNITED STATES PATENT OFFICE.

SAMUEL DARLING, OF PROVIDENCE, RHODE ISLAND.

## CALIPER-RULE.

SPECIFICATION forming part of Letters Patent No. 477,105, dated June 14, 1892.

Application filed October 6, 1891. Serial No. 407,930. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL DARLING, a citizen of the United States, residing at Providence, in the State of Rhode Island, have invented a new and useful Improvement in Caliper-Rules, of which the following is a specification.

My invention consists in an improved device for fastening the caliper-slide in any desired position, as hereinafter fully set forth.

Figure 1 represents a side view of a caliper-rule provided with my improvement. Fig. 2 represents a transverse section taken in the line *x x* of Fig. 1. Fig. 3 represents a longitudinal section taken in the line *y y* of Fig. 2. Fig. 4 represents an axial section of the wedge for holding the slide, showing a preferred form of construction.

In the accompanying drawings, A represents the body of the rule, and B the caliper-slide, which is provided with the ordinary graduations, and within a recess *c*, made in the body A, is placed the gib *b*, which is adapted to bear against the edge *a* of the slide B, and at the back of the gib *b* in the perforation *d*, which is extended from side to side of the body A, is placed the wedge C, provided with the heads *e e'*, against which the thumb and finger are placed for operating the wedge, and when the said wedge is pressed in one direction its ac-

tion upon the rear edge of the gib *b* will serve to force the said gib against the edge of the slide B to hold the same securely in position, and when the wedge is pressed in the opposite direction the gib *b* and the slide B will be released from pressure, so that the said slide may be moved to any desired position. The wedge C is preferably made with a solid head *e* and with a central opening *f*, adapted to receive the stem *g* of the solid head *e'*, by which means the wedge C may be made removable for the purpose of repair, and the heads *e* and *e'* will be made to have a smooth finish.

I claim as my invention—

1. The combination, with the body of the rule, provided with a transverse perforation, and the caliper-slide, of the tightening-wedge having opposite projecting heads and held in the transverse perforation, substantially as described.

2. The combination, with the body of the rule, provided with a transverse perforation, and the caliper-slide, of the tightening-wedge made in two parts, with a solid head upon each part, and held in the transverse perforation, substantially as described.

SAML. DARLING.

Witnesses:

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