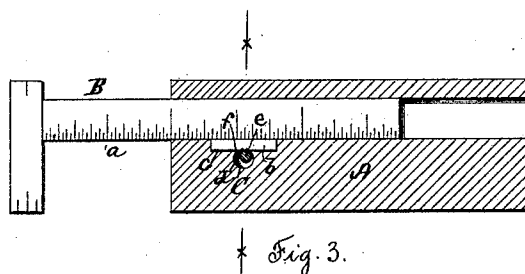
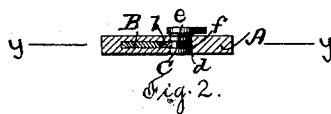
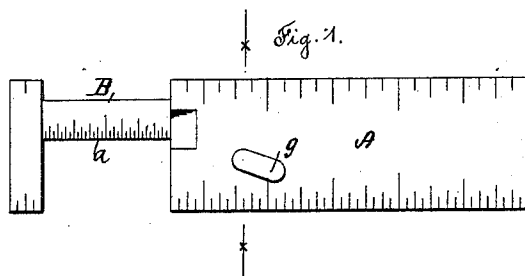


(No Model.)

S. DARLING.
CALIPER RULE.

No. 477,104.

Patented June 14, 1892.



Witnesses

Chas. F. Schmelz

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Inventor

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UNITED STATES PATENT OFFICE.

SAMUEL DARLING, OF PROVIDENCE, RHODE ISLAND.

CALIPER-RULE.

SPECIFICATION forming part of Letters Patent No. 477,104, dated June 14, 1892.

Application filed October 6, 1891. Serial No. 407,929. (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 *xx* of Figs. 1 and 2. Fig. 3 represents a longitudinal section taken in the line *yy* of Fig. 2.

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 extends from side to side of the body A, is placed the cam C, formed by the eccentric *e* and the groove *f*, which embraces the edge of the gib *b*, and thus prevents the removal of the cam. The cam C is provided at one side of the rule with the arm *g*, by means of which the said cam may be turned, so as to press the gib *b* firmly against the edge of the

slide B to hold the same securely in position, and when the arm *g* is turned in the opposite direction the slide will be released from pressure, so that the said slide may be moved to any desired position. The arm *g* is so arranged relatively to the cam C that when the rule is properly held in the hand for use the said arm can be readily manipulated in either direction by the action of the thumb or finger.

I claim as my invention—

1. The combination, with the body of the rule, provided with a transverse circular perforation, the caliper-slide, and the gib adapted to bear against the edge of the slide, of the cam held in the circular perforation and provided with a groove which embraces the edge of the gib, substantially as described.

2. The combination, with the body of the rule, provided with a transverse circular perforation, the caliper-slide, and the gib adapted to bear against the edge of the slide, of the cam held in the circular perforation and provided with a groove which embraces the edge of the gib and the arm whereby the proper movement may be imparted to the cam, substantially as described.

SAML. DARLING.

Witnesses:

SOCRATES SCHOLFIELD,
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