

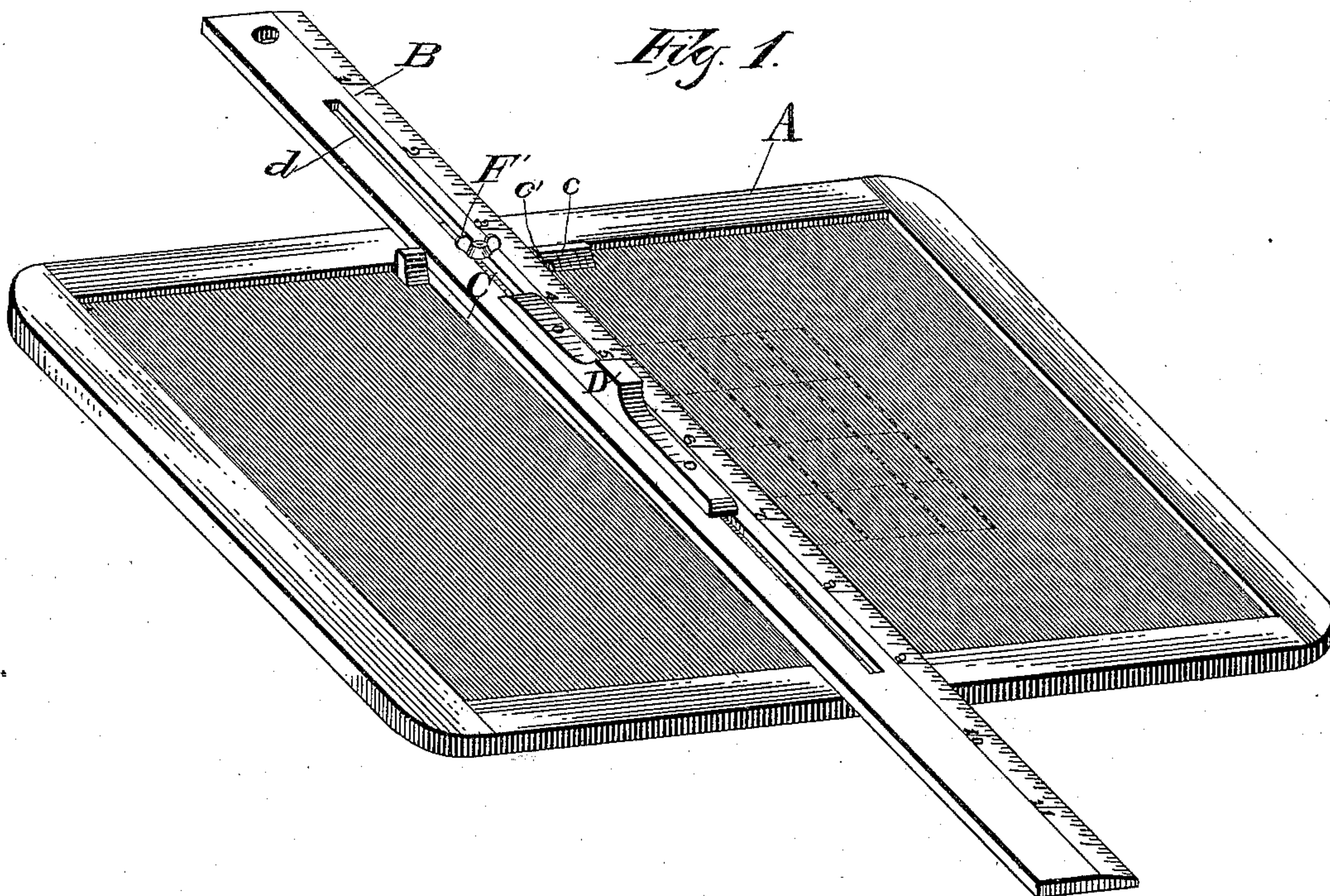
(No Model.)

G. W. BOLTON & L. JARGENSEN.

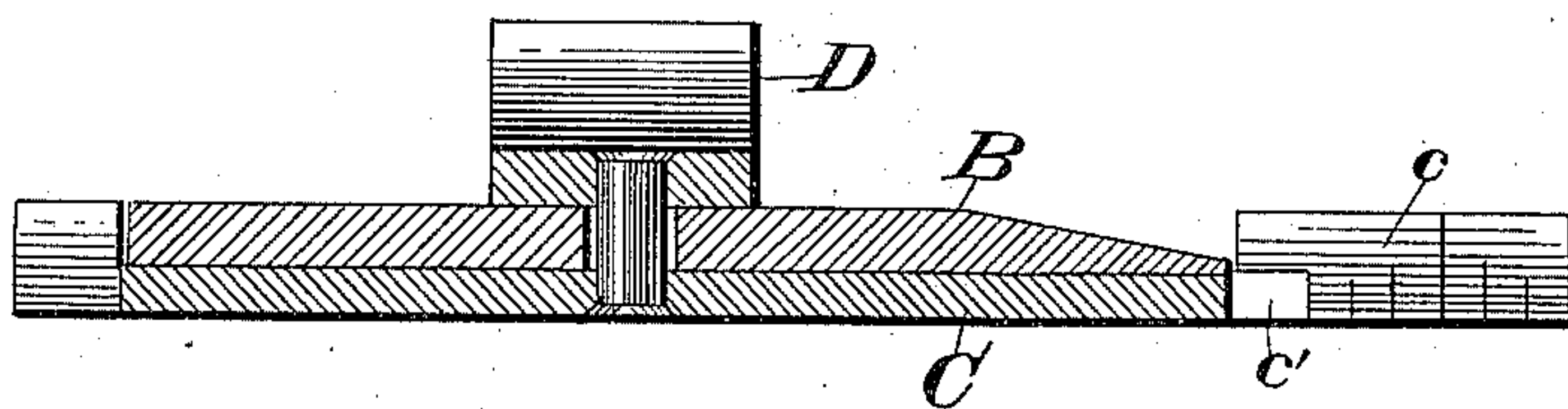
RULER FOR SLATES.

No. 334,932.

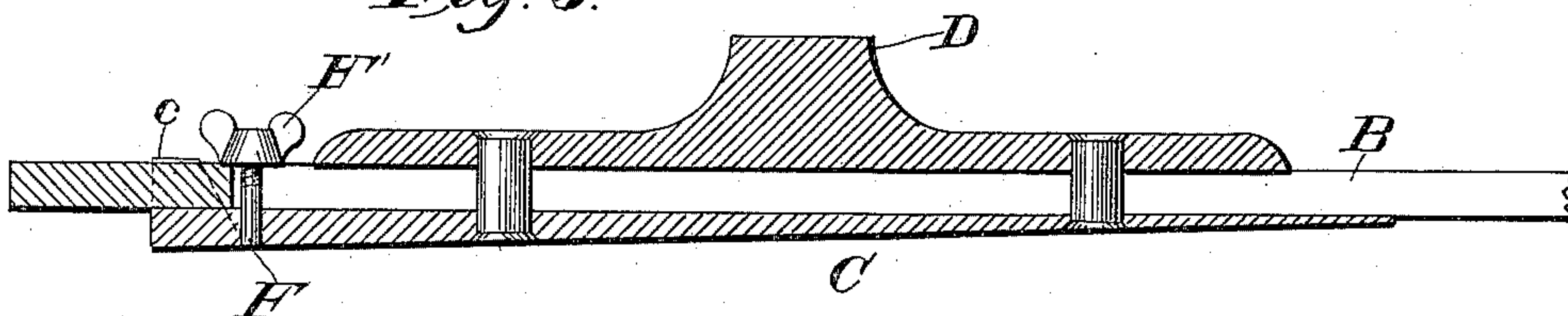
Patented Jan. 26, 1886.



*Fig. 2.*



*Fig. 3.*



Witnesses:

*E. G. Smith*

*R. Platz*

Inventors:

*George W. Bolton*

*Lars Jargensen*

*By John H. Woodward*

*Attorneys.*



# UNITED STATES PATENT OFFICE.

GEORGE W. BOLTON AND LARS JARGENSEN, OF MILWAUKEE, WISCONSIN.

## RULER FOR SLATES.

SPECIFICATION forming part of Letters Patent No. 334,932, dated January 26, 1886.

Application filed July 28, 1885. Serial No. 172,865. (No model.)

*To all whom it may concern:*

Be it known that we, GEORGE W. BOLTON and LARS JARGENSEN, of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Rulers; and we do hereby declare that the following is a full, clear, and exact description thereof.

Our invention relates to rulers for slates, &c., and will be fully described hereinafter.

In the drawings, Figure 1 is a perspective view of our device. Fig. 2 is a cross-section taken through the slide. Fig. 3 is a longitudinal vertical section through the slide and a portion of the body of our ruler.

A is the slate, and B is the blade of our ruler.

C is the slide, having its under face preferably beveled throughout the entire length and headed at one end by a cross-piece, *c*, said cross-piece being recessed upon its upper face to receive the blade B, and provided with a flush edge on one side and a beveled graduated edge on the other, which latter is notched at *c'*. A hand-piece is riveted to the bottom piece, C, on slide proper, through slot *d* in the blade of the ruler-blade. This hand-piece D is wider than the slot and serves to bind the bottom piece to the ruler, but is loose enough to permit it (the bottom piece) to slide from one end of the slot to the other. At times it may be desirable to set this slide at a given point on the ruler-blade; and to admit of securing it in position we provide a stem, F, which is securely fastened in the bottom piece and projects up through the slot *d* in the ruler-blade, its projecting end being screw-threaded to receive a set-nut, F'.

Our device will be found of use in ruling lines on any surface having a guiding-strip, and will be of great service in teaching pupils

to make straight lines and correct squares. The ruler-blade is graduated or lined to make measuring-spaces, as in the ordinary yardstick.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A ruler consisting of a slotted blade, a slide provided at one end with a recessed cross-piece having a flush edge on one side and a notched edge on the other, and a hand-piece rigidly secured to the slide and adapted to bear upon the blade, substantially as and for the purpose set forth.

2. A ruler consisting of a slotted blade, a slide beveled upon its under face throughout its length, and provided at one end with a cross-piece having a flush edge upon one of its sides and a beveled, graduated, and notched edge upon the other, and a hand-piece bearing upon the blade and suitably secured to the slide, substantially as and for the purpose set forth.

3. A ruler consisting of a slotted blade, a slide beveled upon its under face throughout its length, and provided at one end with a cross-piece and a screw-threaded stem, the latter adapted to pass through the blade-slot and receive a set-nut, and a hand-piece designed to bear upon said blade and be united to the slide, substantially as and for the purpose set forth.

In testimony that we claim the foregoing we have hereunto set our hands, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

GEORGE W. BOLTON.  
LARS JARGENSEN.

Witnesses:

S. S. STOUT,  
H. G. UNDERWOOD.