

# Cook's Improved Dividers

No. 121,850.

Patented Dec. 12, 1871.

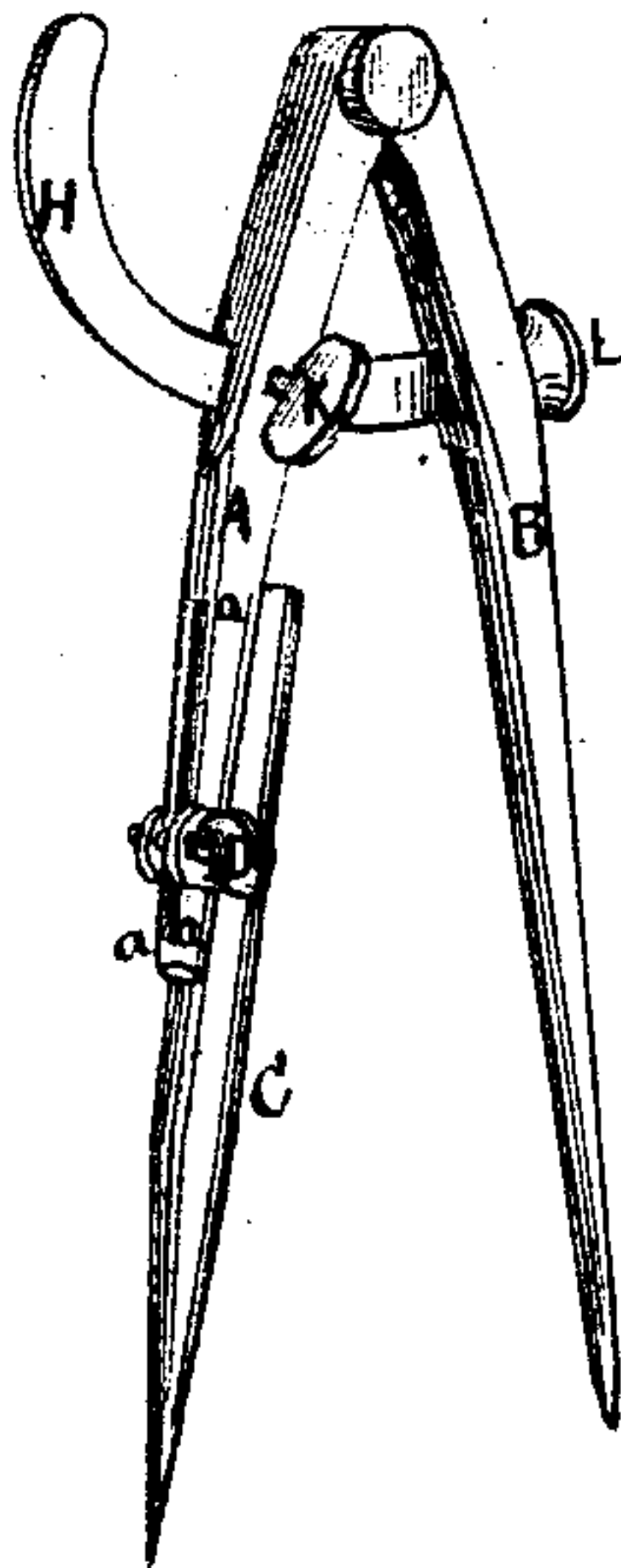


Fig. 1.

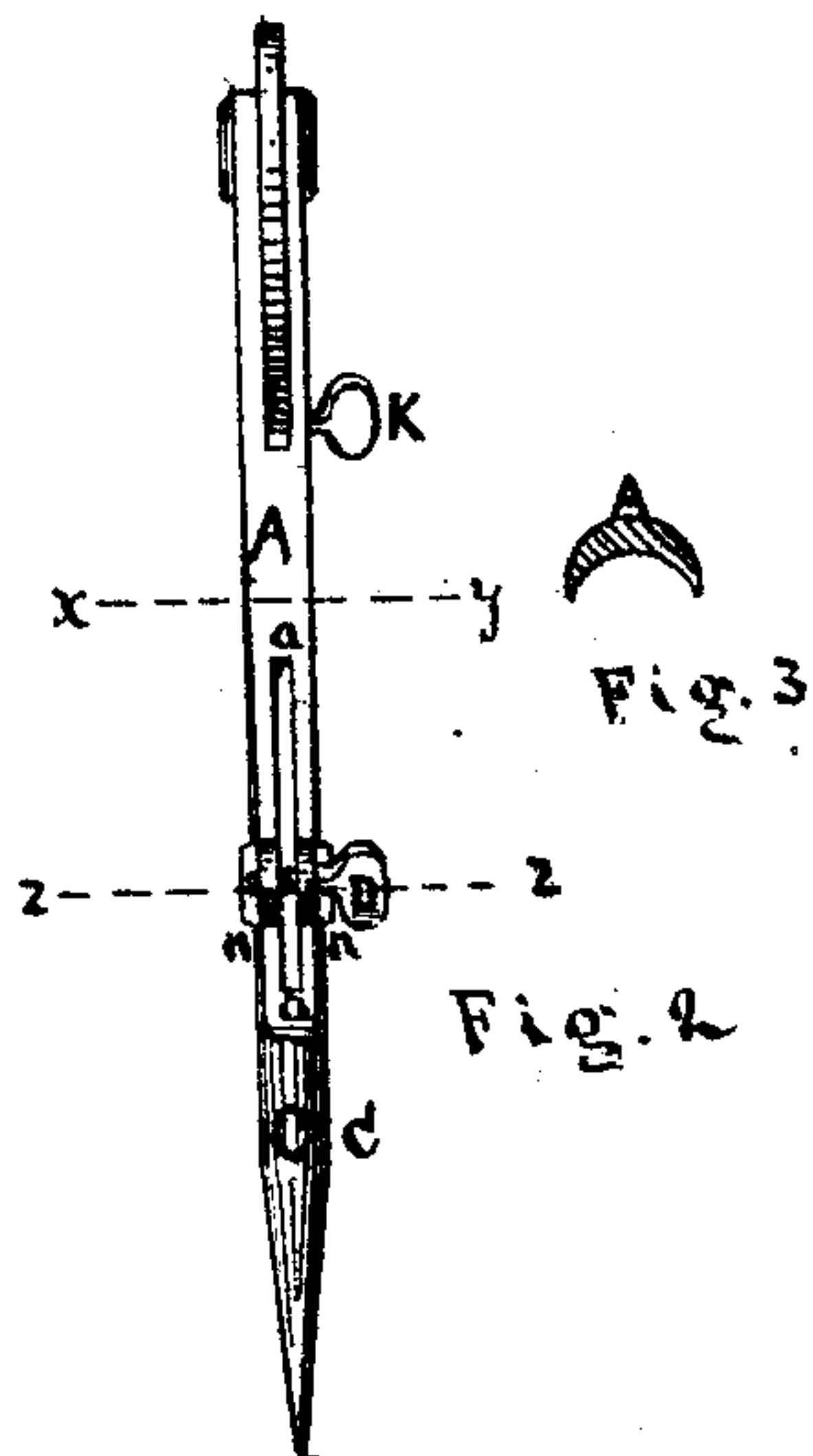


Fig. 4.

Witnesses

Sam<sup>l</sup> P. Allen  
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# UNITED STATES PATENT OFFICE.

ALBERT A. COOK, OF MILFORD, MASSACHUSETTS.

## IMPROVEMENT IN DIVIDERS.

Specification forming part of Letters Patent No. 121,850, dated December 12, 1871.

*To all whom it may concern:*

Be it known that I, ALBERT A. COOK, of Milford, county of Worcester, State of Massachusetts, have invented certain new and useful Improvements in Dividers, of which the following is a specification:

The nature of my invention consists in forming in one leg of a pair of dividers a semi-cylindrical groove, and in combining with the same a screw, clasp, and movable leg.

Figure 1 is a perspective view of my invention. Fig. 2 is an elevation of the same. Fig. 3 is a cross-section on the line *x y*, Fig. 2. Fig. 4 is a cross-section on the line *Z Z*, Fig. 2.

A and B are the two legs of the dividers, the upper joint, the holding-arc H, the screws K and L, and spring S all being made in the usual manner. The leg A is made in section, as shown in Fig. 3—that is, a semi-cylindrical groove extends along the inner part of the leg, into which the movable leg C fits. The leg A is also provided

with a slit, *a a*, and a pair of ears, *n n*. The ears *n n*, together with a part of the leg adjoining, form a clasp for the movable leg C. D is a thumb-screw, which serves to draw the ears *n n* together, and thus to hold the leg C firmly in place. As the leg C fits closely in the cylindrical groove in the inner part of the leg A, and is also held by the ears of the clasp *n n*, it is as rigid as though a part of the leg itself.

I claim as my invention—

In a pair of dividers, the combination of the cylindrical extension C and the leg A, provided with a semi-cylindrical groove upon its inner side, with the slit *a a*, with the ears *n n*, and with the thumb-screw D, all constructed, arranged, and operated substantially as described and shown.

ALBERT A. COOK.

Witnesses:

SAML. P. ALLEN,  
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