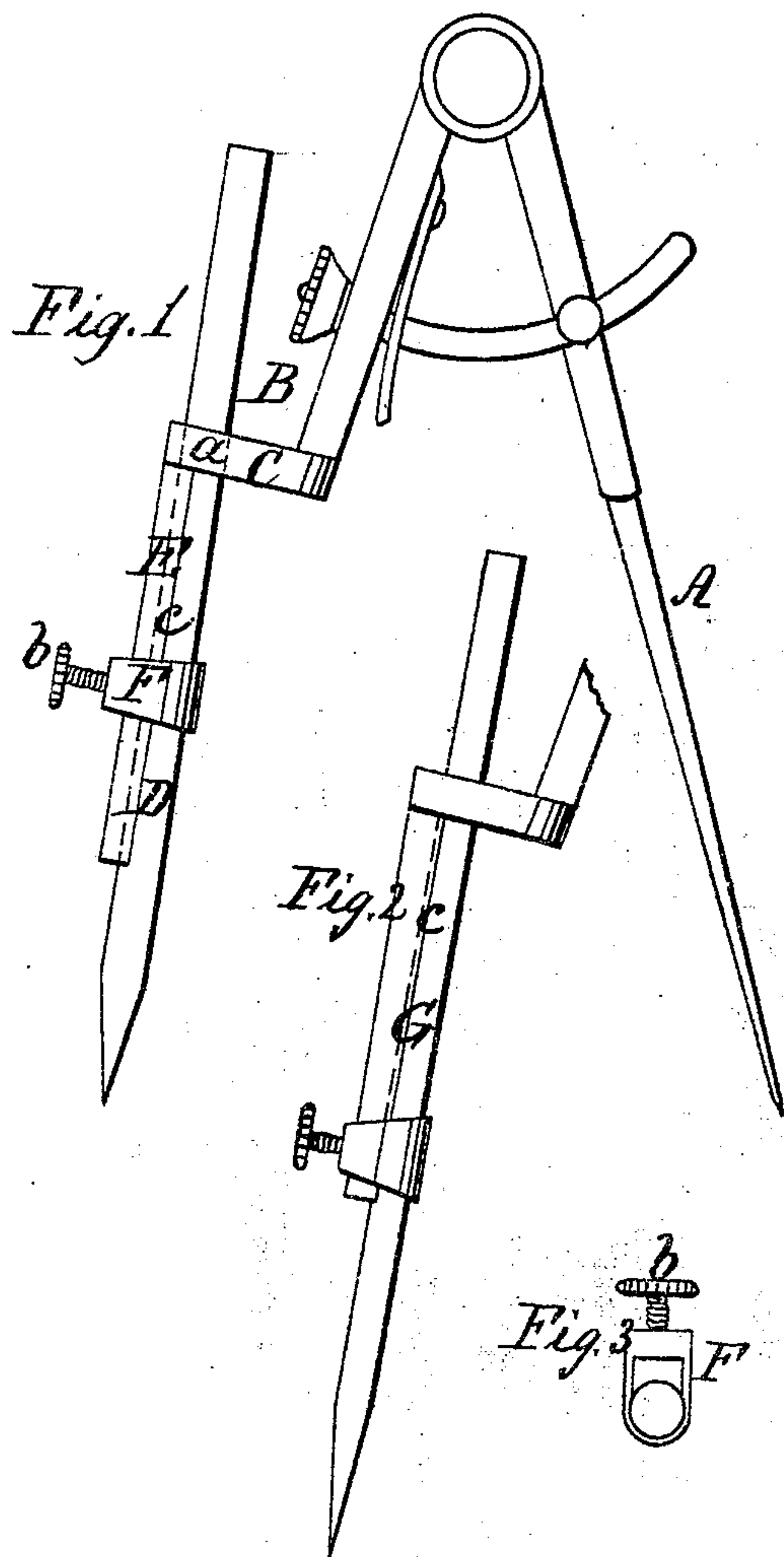


O.E. Weatherhead,
Dividers,
No. 72, 433, Patented Dec 17, 1867.



Witnesses

R. F. Hyde
Roswell Lee

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O. E. WEATHERHEAD, OF WINCHENDON, MASSACHUSETTS.

Letters Patent No. 72,433, dated December 17, 1867.

IMPROVEMENT IN DIVIDERS.

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, O. E. WEATHERHEAD, of Winchendon, Worcester county, Commonwealth of Massachusetts, have invented certain new and useful Improvements in Dividers ; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon. In the drawings—

Figure 1 represents a pair of "dividers" with my improvement.

Figures 2 and 3 being detailed views of parts of the same.

This invention consists in a pair of dividers, more particularly of the kind used by carpenters and joiners, in which one of the legs is arranged so that an ordinary lead-pencil may be inserted and adjusted for use, with readiness, my improvement being comprehended in the construction of the leg for this purpose.

In construction, I form the dividers of one leg, A, formed as usual, and the other leg, B, as follows: At a suitable distance from the hinge the leg B is formed, with an elbow, C, projecting at or near a right angle from the leg B outwards. This elbow, C, is made sufficiently wide to admit of a hole being made through it at *a*, for the pencil D to come through. From the outer end of this elbow again extends downwards a piece, E, having a clamp, F, upon it, which is arranged with a set-screw, *b*, so that the clamp may tighten the pencil against the piece E, and hold it firmly in place whenever adjusted. The piece E is formed with a groove, *c*, along its whole length on the inner side, which, conforming in shape to the surface of the pencil, allows the latter to fit snugly against it. An end view of the clamp F is shown in fig. 3, where it is seen that it consists of a collar, fitting squarely upon the piece E, and continuing the circle of the groove in the piece E, so that it closes closely up on the pencil when clamped. This clamp can be moved up or down the piece E at pleasure, and tightened by the set-screw *b*. In fig. 2 is shown an iron or steel point, G, in place of the pencil. A pen for ruling may also be changed in place of either pencil or plain point, if convenient, or to suit occasions.

The advantages of my improvement are in the increased facility by which an ordinary lead-pencil may be adapted to the dividers, and in the secure method of holding the same in place, and adjusting it at pleasure.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The device for holding a pencil point, or pen, upon the dividers, consisting of the elbow C, piece E, with groove *c*, and clamp F, with set-screw *b*, arranged and combined substantially as described.

O. E. WEATHERHEAD.

Witnesses:

H. A. CROCKER,

L. W. PIERCE.