

C. F. A. REIMANN.  
Dividers.

No. 227,578.

Patented May 11, 1880.

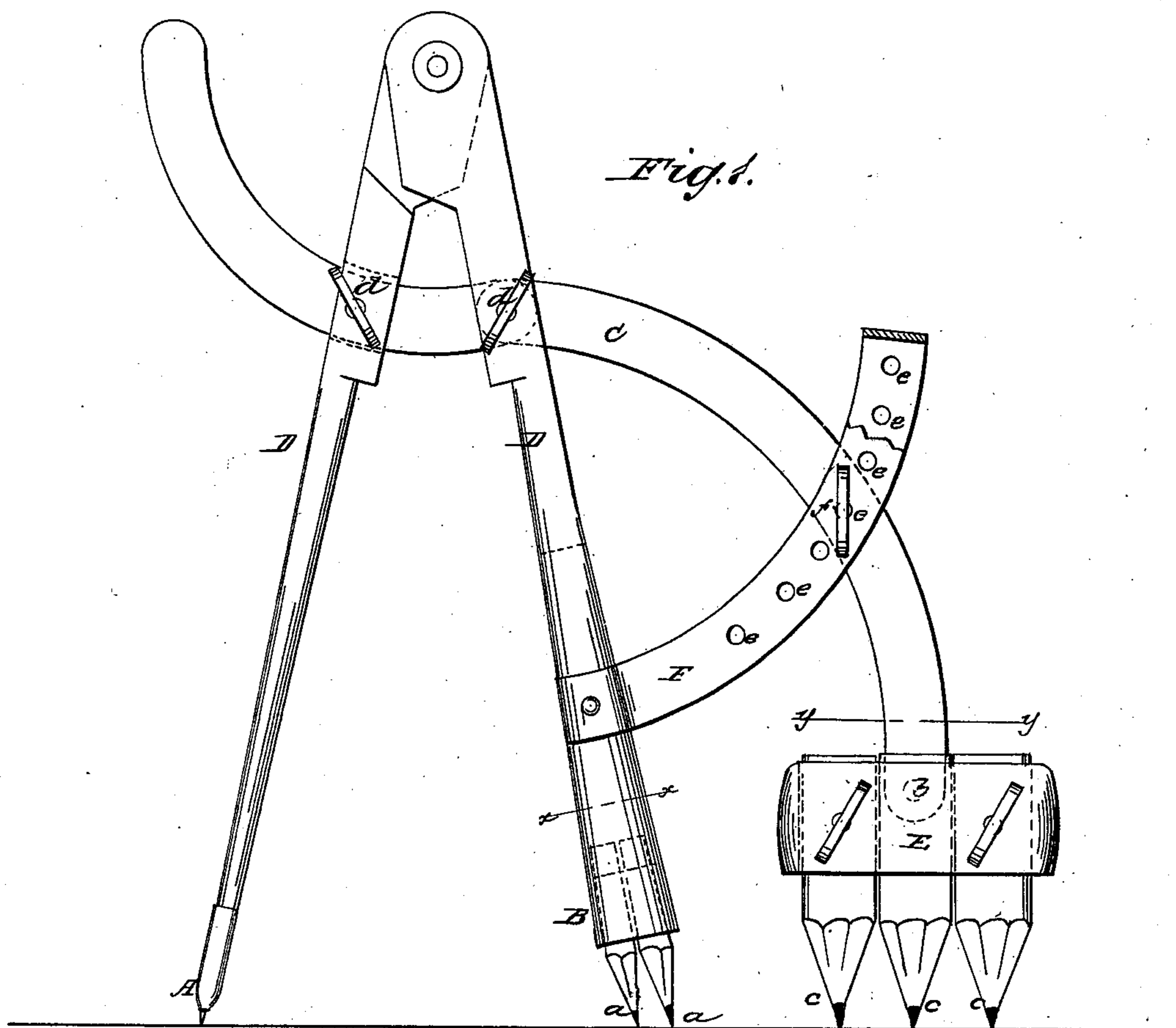
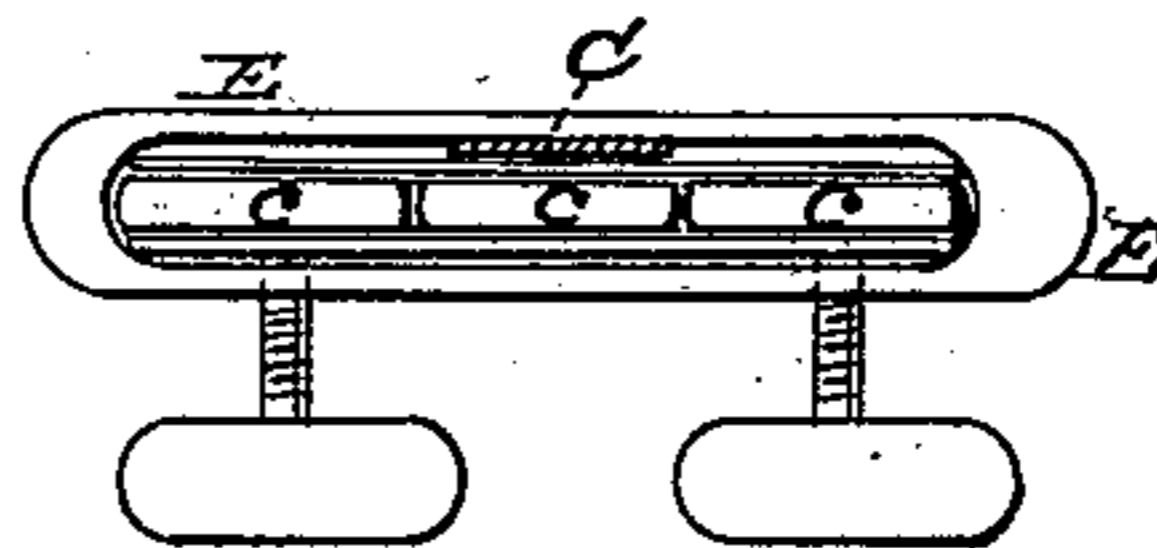


Fig. 2.



Fig. 3.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

CHARLES F. A. REIMANN, OF PINE BLUFF, ARKANSAS.

## DIVIDERS.

SPECIFICATION forming part of Letters Patent No. 227,578, dated May 11, 1880.

Application filed October 22, 1879.

*To all whom it may concern:*

Be it known that I, CHARLES F. A. REIMANN, of Pine Bluff, in the county of Jefferson and State of Arkansas, have invented a new and useful Improvement in Dividers, of which the following is a specification.

My invention relates to an improvement in dividers for striking circles with chalk or pencil points; and the object of the invention is to strike two or more concentric circles at one sweep of the instrument.

The invention consists of dividers with the pencil-foot adapted to receive two points.

It also consists in providing the dividers with an adjustable arm adapted to receive several points and hold said points on a level with the feet of the dividers.

In the accompanying drawings, Figure 1 is a side elevation of my improved dividers. Fig. 2 is a cross-section of the pencil-point foot of the dividers, taken on line *xx* of Fig. 1; and Fig. 3 is a cross-section of the adjustable arm, taken on line *yy* of Fig. 1.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A is the centering-foot of the dividers, and B is the circle-describing foot. The foot B is hollow, and in said foot are inserted the pencil-points *a a* for describing two concentric circles.

C is an ogee-curved arm passed through slots in the upper parts of legs D D of the dividers. To the lower end, *b*, of this arm is fixed a holder, E, adapted to receive several pencil-points, *c c c*, which are intended to be held in place by set-screws or other suitable devices. The points *a c* should be adjusted in their respective holders (the hollow foot B and holder E) so as to be in the same plane, and thereby, when the instrument is turned on its foot A, the several points will describe concentric circles.

The arm C is held in position by set-screws *d d*, screwed into screw-threaded holes in the

legs D D until their points bear against said arm. The arm C passes through an upwardly-curved segmental loop, F, provided with screw-threaded holes *e*, through which a set-screw, *f*, is entered against the arm C when it passes through said loop.

To change the radii of the several circles loosen set-screws *d d f*, move legs D D the required distance, then move the arm C in or out, as may be required, and secure it in position with set-screws *d d*; then, if the arm C has passed, in moving it, above or below the set-screw *f*, change said set-screw to a hole, *e*, above or below, through which it can be screwed against the arm C, where it passes through loop F. When thus arranged the instrument is ready for use.

Either chalk or pencil points may be used with the instrument to describe the circles; also, right-line pen-points, such as are used in circle-pens.

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

1. The hollow foot B, adapted to receive two or more points, in combination with legs D D, substantially as described.

2. In combination with the legs D D, the adjustable curved arm C and holder E, constructed and arranged substantially as described.

3. The hollow foot B, adapted to receive points *a a*, in combination with legs D D and adjustable curved arm C, substantially as described.

4. In combination with the legs D D and adjustable arm C, the segmental loop F, provided with holes *e* to receive a set-screw, substantially as described.

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Witnesses:

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WM. WAGNER.