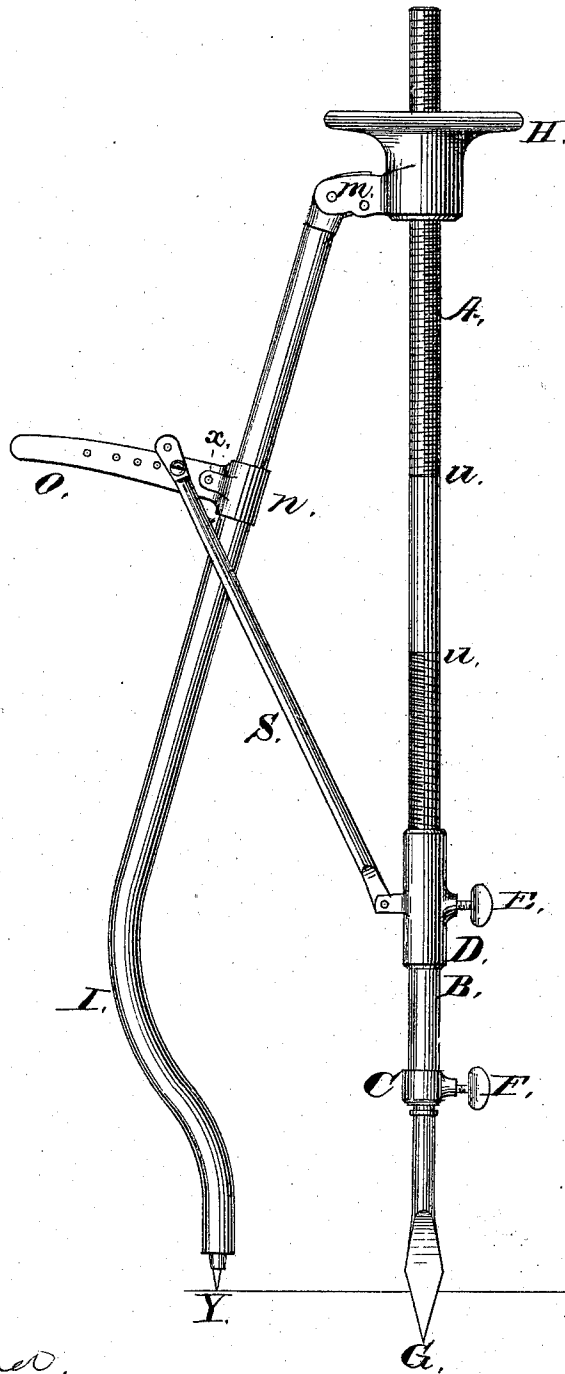


E. E. STEBBINS.

Instruments for Drawing Scrolls.

No. 138,053.

Patented April 22, 1873.



Witnesses.

A. B. Richmond,
J. H. M. Crosby,

Inventor.

Edwan E. Stebbins

UNITED STATES PATENT OFFICE.

EDWARD E. STEBBINS, OF MEADVILLE, PENNSYLVANIA.

IMPROVEMENT IN INSTRUMENTS FOR DRAWING SCROLLS.

Specification forming part of Letters Patent No. **138,053**, dated April 22, 1873; application filed December 12, 1872.

To all whom it may concern:

Be it known that I, EDWARD E. STEBBINS, of the city of Meadville, in the county of Crawford and State of Pennsylvania, have invented a new and Improved Instrument for Drafting Scrolls to be used in carpenter and ornamental work; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and the letters of reference marked thereon.

The object of my invention is to construct an instrument somewhat similar to a pair of dividers, but so adjustable in all its parts that with it scrolls of any increasing or diminishing curvature can be drawn as easily as a circle can be drawn with a pair of dividers.

A B is a metal rod with the upper end from *u* to A cut in a right-hand screw-thread, and the lower end from *u* to B cut in a left-hand screw-thread. H is a nut with a large burr-head and a short arm, *m*, projecting therefrom. On the end of *m* the leg I of the dividers or instrument is hung. *n* is a movable collar, with a set-screw, *x*, and a short arm, O, projecting therefrom. G is the center-point of the instrument, and may be constructed with a flat or spear-shaped point or with a fork, either of which, when pressed into the drawing-board, will prevent the center-rod A B from turning. D is a movable collar without any screw-thread therein, which may be moved up or down to any desired point between *u* and B, and then the set-screw E turned in until the point thereof shall enter the thread of the screw; this will at once convert the collar

D into a screw-nut. S is a connecting-rod, connecting the arm O with the collar D. C is a movable collar, adjusted with a set-screw, F, to any desired point between *u* and B.

When the point G is set in the drawing-board, and the leg I is turned from left to right by means of the screw-head H, it is evident that the collar D will move up, bringing the rod S nearer to a right angle with A B, and thereby gradually throwing the leg I out further from the center-point G, thereby describing a scroll with the point Y.

If it is desired to make a more open or "rapid" scroll the collar *n* is moved up toward *m*.

It is desirable that the rod A B should be held in a perpendicular position while in use, and as the point Y recedes from the center the screw-head H moves down the rod from A to *u*, thus keeping the point G on the drawing-board. By loosening the screw E, so that it will not catch in the thread of the screw, the collar D will drop down on the collar C, when the instrument can be used as a pair of dividers.

What I claim as my invention is as follows, to wit:

An instrument for drafting scrolls, with a center-rod, A B, with a right-and-left screw thereon, in combination with the collars D C, the rod S, and the leg I jointed to the screw-head H, all constructed as described.

EDWARD E. STEBBINS.

Witnesses:

A. B. RICHMOND,
J. NEWTON McCLOSKEY.