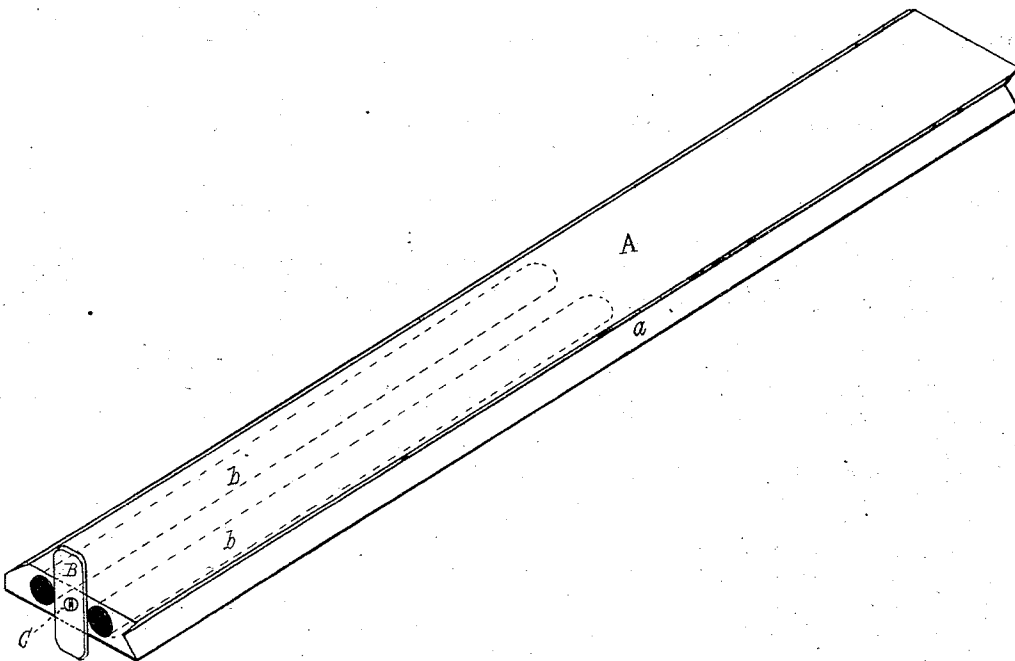


W. H. FLANIGAN.

Combined Ruler and Pencil Sharpener.

No. 136,230.

Patented Feb. 25, 1873.



Witnesses
Thomas J. Bewley.
Isaac Rindge

Inventor
William H. Flanigan
By His Attorney.
Stephen Ustick

UNITED STATES PATENT OFFICE.

WILLIAM H. FLANIGAN, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN COMBINED RULERS AND PENCIL-SHARPENERS.

Specification forming part of Letters Patent No. **136,230**, dated February 25, 1873.

To all whom it may concern:

Be it known that I, WILLIAM H. FLANIGAN, of the city of Philadelphia and State of Pennsylvania, have invented a Combined Ruler and Pencil-Sharpener, of which the following is a specification:

My invention relates to a groove in an edge or side of the ruler coated with sand, emery, or other equivalent material, for sharpening the pencils.

The drawing represents an isometrical view of the improved ruler with the swivel-plate turned in its open position.

A is the ruler, having, as represented in the drawing, a V-shaped groove, *a*, in one edge, which is coated with sand, emery, or other equivalent material, for sharpening the pencils.

The pencil is sharpened by drawing it backward and forward with one end in the groove

and turning it round so as to bring it to a regular point.

Instead of placing the groove in the edge, it may, if desired, be placed in one side of the ruler.

There are longitudinal openings *b b* at one end of the ruler for holding a pen and pencil. They are covered with a plate, *B*, which is held in the middle by means of a screw, *C*, on which it turns.

I claim as my invention—

The V-shaped groove *a*, coated with sand, emery, or other equivalent material, in an edge or side of a ruler, substantially as and for the purpose set forth.

WILLIAM H. FLANIGAN.

Witnesses:

THOMAS J. BEWLEY,
STEPHEN USTICK.