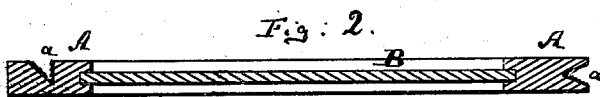
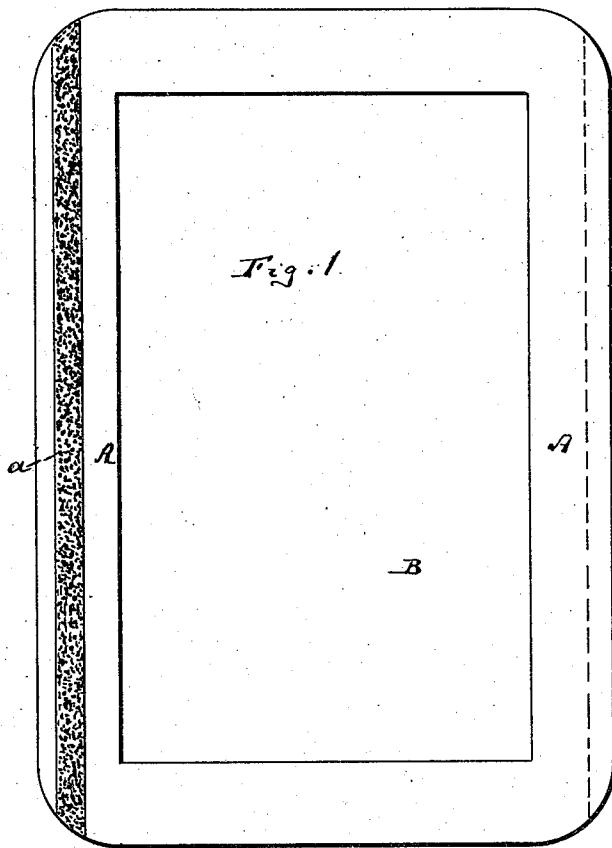


W. SELLERS.  
SCHOOL SLATE FRAME.

No. 173,423.

Patented Feb. 15, 1876.



Witnesses:

A. Moraga.  
C. W. Widner.

Inventor

Wm. Sellers  
by his attorney  
A. B. Briesen

# UNITED STATES PATENT OFFICE.

WILLIAM SELLERS, OF NEW YORK, N. Y.

## IMPROVEMENT IN SCHOOL-SLATE FRAMES.

Specification forming part of Letters Patent No. **173,423**, dated February 15, 1876; application filed September 22, 1875.

### *To all whom it may concern:*

Be it known that I, WILLIAM SELLERS, of the city of New York, county and State of New York, have invented an Improved Slate-Pencil Sharpener, of which the following is a specification:

This invention relates to an improved combined school-slate and slate-pencil sharpener; and consists in cutting into the edge of the slate-frame from one end thereof to the other, and through the tenons that join the different parts of the slate-frame at the corners, a straight continuous groove having a V-shaped cross-section, and in lining the sides of such groove with emery or equivalent abrading substance, all as hereinafter more fully described.

In the drawing, Figure 1 is a face or plan view of a school-slate provided with my improved sharpener. Fig. 2 is an end edge view of the same.

Similar letters of reference indicate corresponding parts in all the figures.

The letters A A represent the four strips or pieces of wood that constitute the frame of a school-slate. The side pieces A are united to the end pieces by projecting tenons formed at the ends of the latter and fitted into slots formed at the ends of the side pieces in the customary manner. The entire slate-frame is, on the outer edge of one of the side pieces, grooved along its entire length, said groove extending from end to end of the said piece, and along and into the ends of the tenons that join the side strip to the end strips, respectively. This groove *a* is of V-shaped or similar form in

cross-section, as clearly shown in Fig. 2, and is covered with sand, emery, or other suitable abrading substance, which is fastened thereto by glue or other suitable adhesive material.

The pencil to be sharpened has its end inserted in the groove *a*, and is then drawn along the entire groove from end to end, care being taken to turn the pencil, so that all its sides are subjected to the action of the grinding-surface.

I am aware that the patent, No. 61,253, of J. Rheer shows a slate provided with a groove on the frame; but such groove does not extend from end to end of the frame, nor does it enter into the ends of the tenons of the cross-pieces. I am also aware of the Patent No. 136,230, granted to W. H. Flanigan, February 25, 1873, which shows a ruler made from one piece of wood and provided with a V-shaped groove for sharpening purposes, all of which I do not claim; nor do I claim attaching metallic sharpeners to slate-frames, which has heretofore been done; but

I do claim—

A school-slate frame grooved and roughened at one edge or one side, as described, to constitute a pencil-sharpener, when said groove extends along the entire edge A from end to end thereof, and into the tenons that enter at said edge, substantially as and for the purpose specified.

WILLIAM SELLERS.

Witnesses:

ERNEST C. WEBB,  
F. V. BRIESEN.