

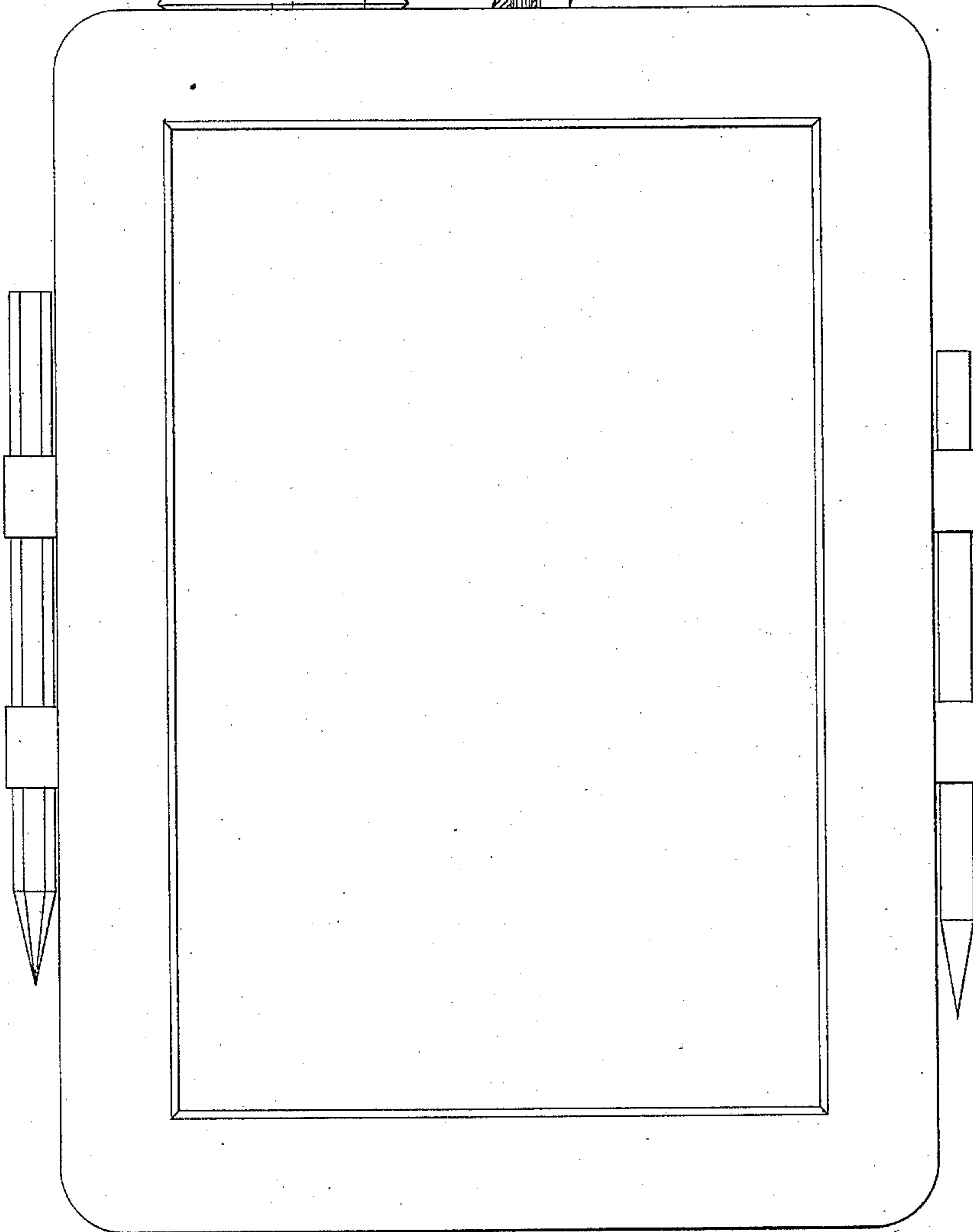
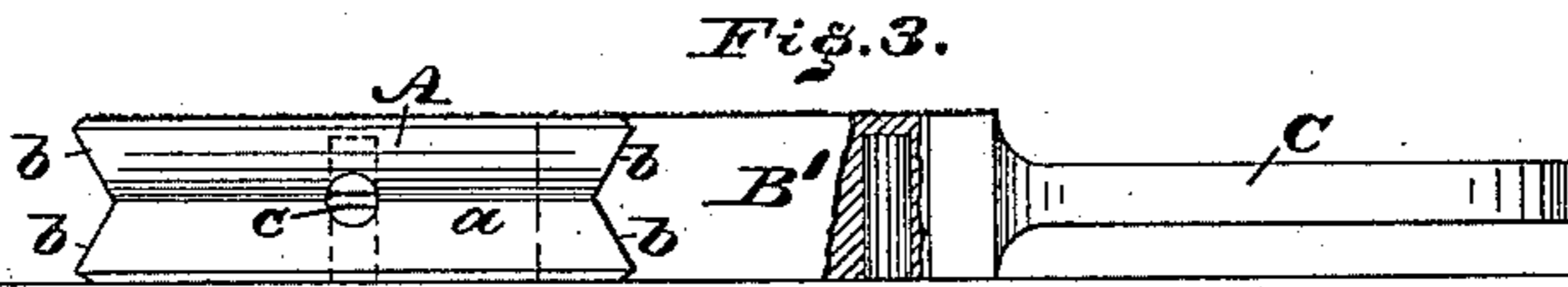
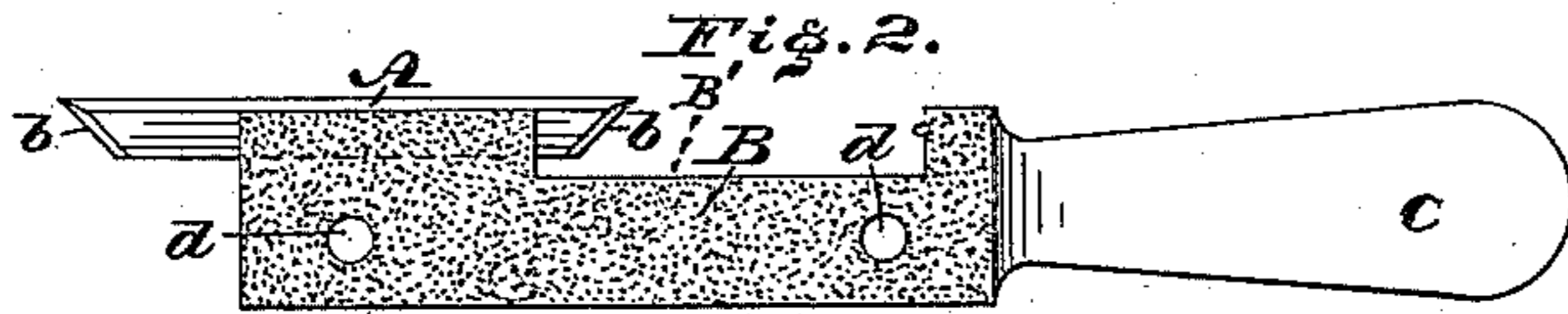
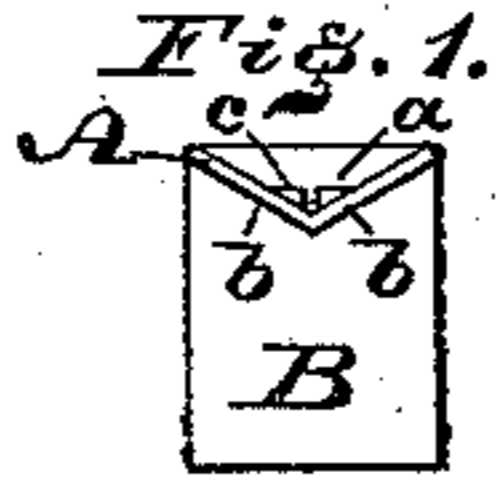
(No Model.)

J. WILLIAMSON.

PENCIL SHARPENER.

No. 307,613.

Patented Nov. 4, 1884.



WITNESSES:

R. P. Grant,
W. F. Kircher

INVENTOR:

John Williamson,
BY *Joan A. Diederheim* ATTORNEY.

UNITED STATES PATENT OFFICE.

JOHN WILLIAMSON, OF CAMDEN, NEW JERSEY.

PENCIL-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 307,613, dated November 4, 1884.

Application filed April 26, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN WILLIAMSON, a citizen of the United States, residing in the city and county of Camden, State of New Jersey, have invented a new and useful Improvement in Pencil-Sharpeners, which improvement is fully set forth in the following specification and accompanying drawings, in which—

10 Figure 1 is an end view of a pencil-sharpener embodying my invention. Fig. 2 is a side elevation thereof. Fig. 3 is a top or plan view thereof, a portion being broken away and shown in section.

15 Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of a convenient, serviceable, and inexpensive pencil-sharpener, as will be hereinafter fully set forth.

20 Referring to the drawings, A represents a blade, which is secured to a stock or holder, B, the latter having a handle, C. The blade is formed of a piece of suitable metal, sheet-steel preferred, bent or depressed in the direction of its length, forming a channel, *a*, and having both of its ends cut diagonally and sharpened, forming V-shaped cutting-edges *b*. The handle C is properly grasped and the end of a pencil presented to the cutting-edge *b*, opposite to the handle, and drawn against the same, whereby the sides of the edge cut the end of the pencil uniformly at opposite places and in pointed form. By turning the pencil the entire surface of the same will be subjected to the action of the cutting-edge, whereby the pencil will be pointed or sharpened in a regular and desirable manner. During the sharpening operation the pencil is guided and sustained on the base of the channel *a*, whereby it moves true and is prevented from displacement from the channel *a*, so that when the cut is made the pencil may be pushed back on the channel, locating the point in advance of the cut-

ting-edges, ready for the next advance motion against said edges. The holder B is channeled, as at B', between the blade and handle, so that the adjacent end of the blade projecting into said space is uncovered, and may be used for sharpening purposes similar to the outer end of the blade, the latter end projecting beyond the outer end of the holder. When the cutting-edges are broken, worn, or dull, the screw *c* is loosened, and the dull blade may be removed and sharpened or the broken and worn blade replaced by a new one. The upper face of the holder is depressed to accord with the under face of the blade A, whereby the sides of the depression of the holder embrace the sides of the blade, and thus a single screw, *c*, is sufficient to prevent motion and displacement of the blade. In the holder are openings *d d*, which are adapted to receive pins secured to a slate-frame, so that a scholar may connect the sharpener with the slate, the sharpener being readily removable therefrom and adapted to be placed in the pocket, as is evident. The sides of the holder are coated with emery, sand, or other suitable substance, forming rough or gritty surfaces for purposes of finely pointing the pencils, &c.

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

A pencil-sharpener consisting of the holder B, having a coating of gritty substance, and a V-shaped depression to receive the V-shaped blade A, sharpened at both ends, one end of the blade projecting beyond the outer end of the holder and the other end into the channel B' between the depression and handle C, the said holder being provided with openings *d d*, adapted to be attached to a slate-frame by pins, substantially as and for the purpose set forth.

JOHN WILLIAMSON.

Witnesses:

JOHN A. WIEDERSHEIM,
A. P. GRANT.