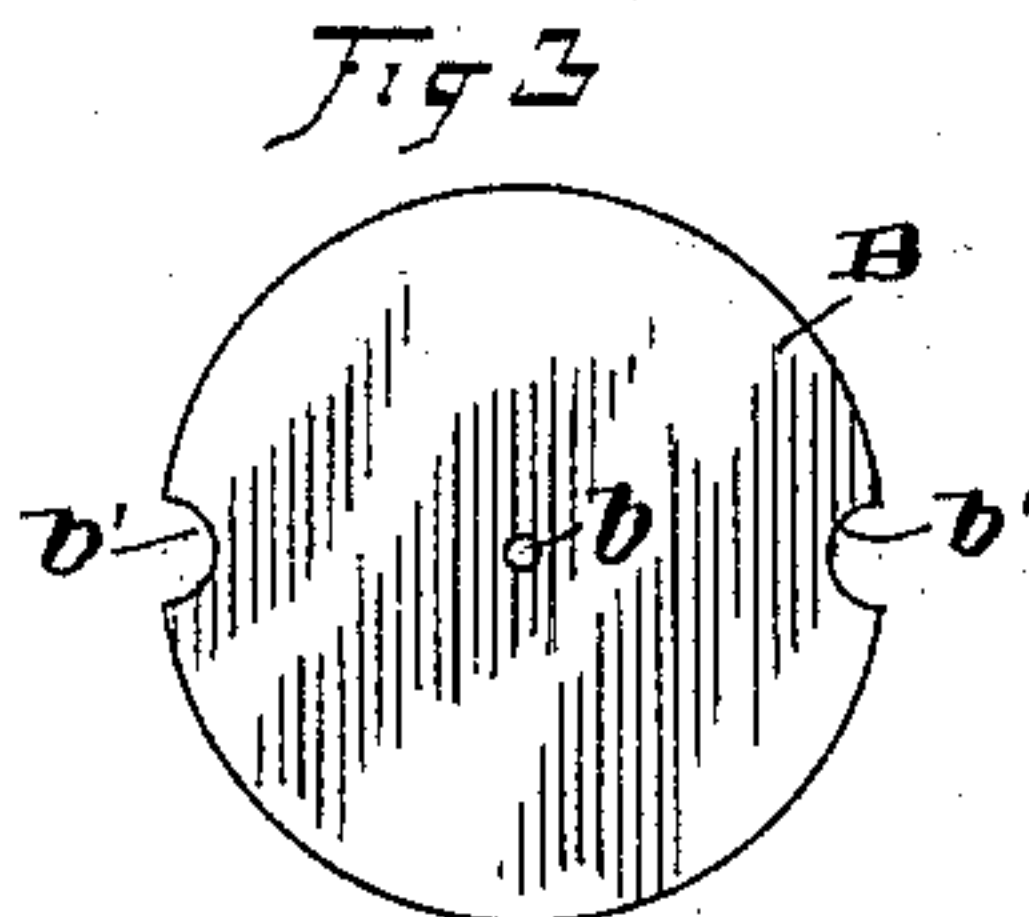
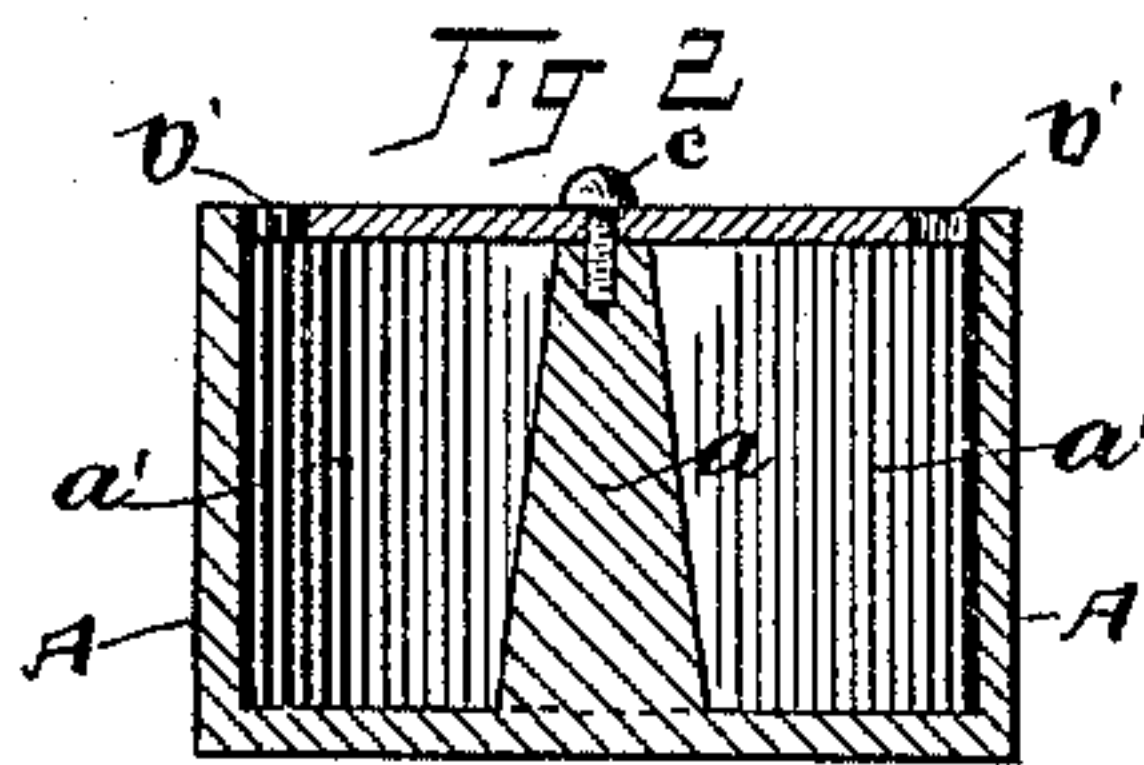
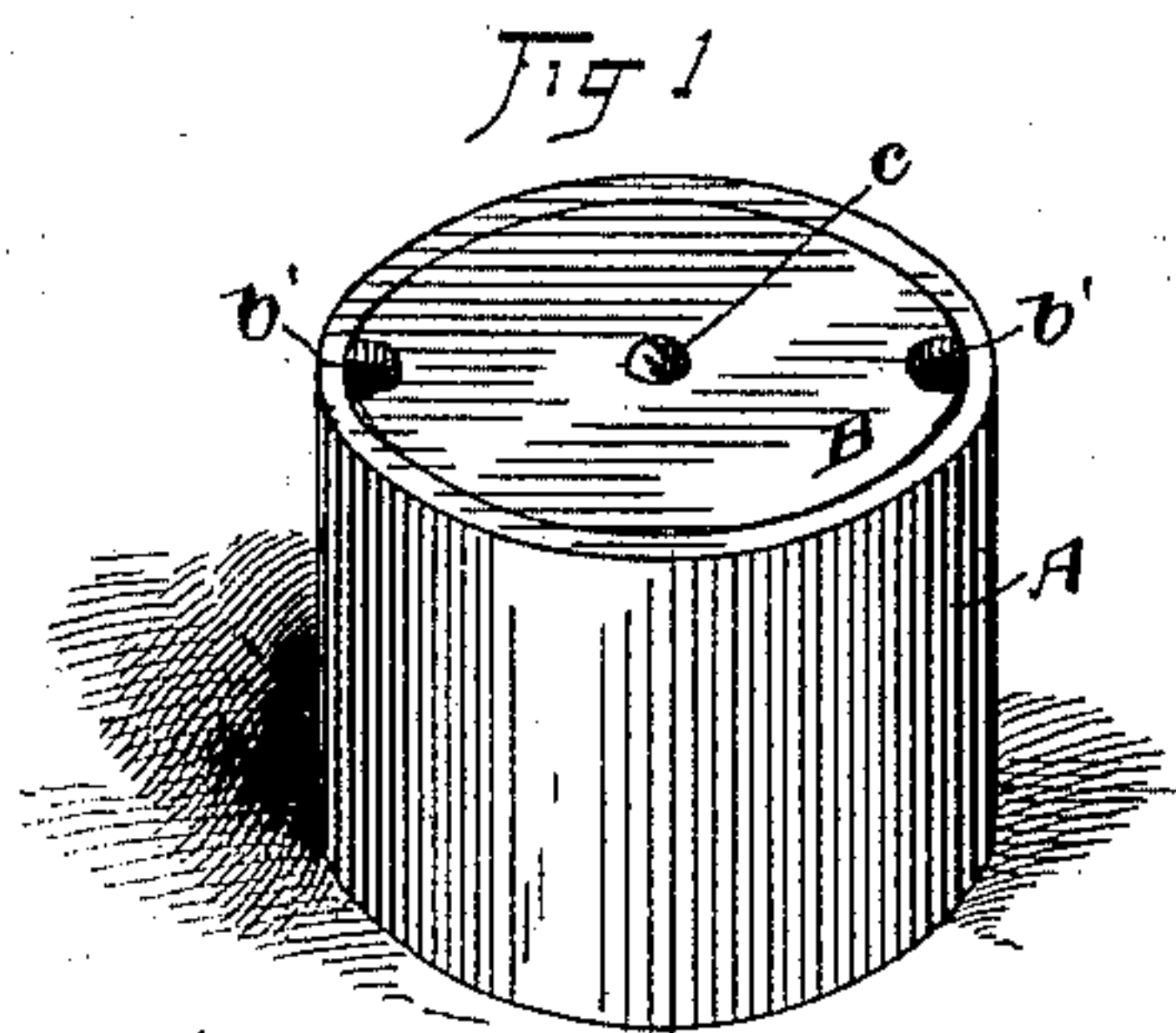


(No Model.)

E. F. MONTGOMERY.  
SLATE PENCIL SHARPENER.

No. 433,533.

Patented Aug. 5, 1890.



Witnesses  
W. S. Amstutz.  
M. P. Kenney

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# UNITED STATES PATENT OFFICE.

EDWARD F. MONTGOMERY, OF SANDUSKY, OHIO, ASSIGNOR OF ONE-HALF  
TO SILAS E. BAUDER AND JOHN F. McCRYSTAL, BOTH OF SAME PLACE.

## SLATE-PENCIL SHARPENER.

SPECIFICATION forming part of Letters Patent No. 433,533, dated August 5, 1890.

Application filed December 13, 1889. Serial No. 333,688. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD F. MONTGOMERY, a citizen of the United States, residing at Sandusky, in the county of Erie and State of Ohio, have invented certain new and useful Improvements in Slate-Pencil Sharpeners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a perspective of my improved slate-pencil sharpener; Fig. 2, a vertical section of the entire device, and Fig. 3 a top view of its cover or disk.

Similar letters refer to similar parts throughout the several views.

My invention relates to slate-pencil sharpeners, and I seek to so construct such a device that it shall not only be inexpensive and durable, but of practical utility as well. This I accomplish by using wooden or other blocks of any desired size or shape, but preferably circular in cross-section; then by turning, boring, or otherwise "hollowing out" such blocks so as to leave a core integral therewith. I then by the aid of glue or other adhesives coat the inner walls or "hollowed-out" portion with emery or other suitable cutting, grinding, or polishing material; then complete the whole by "pivotally" securing to the free end of the core, flush with the top of the block, a cover or disk having a central perforation and notches on its periphery.

Referring to the drawings, A represents the block having a core *a* integral therewith; *a'*, the inner walls coated with emery, &c.; B, the cover or disk having perforation *b* and notches *b'*; and C, a screw or nail.

The disk or cover B is fastened to the free end of the core *a*, so as to lie flush with the top of the block A by means of screw *c*, and is adapted to freely rotate thereon.

By holding the device in one hand and inserting the end of a slate-pencil (held in the opposite hand) into and a distance through one of the notches *b'*, and by using the pencil so inserted as a tool or handle to rotate the disk, will cause the pencil to travel in a circle over the emery-coated inner walls and thereby grind and sharpen the point thereof in a neat and rapid manner.

What I claim as my invention, and desire to secure by Letters Patent, is—

A slate-pencil sharpener consisting of a block turned, bored, or otherwise hollowed out, leaving a core integral therewith, and having its inner walls coated with emery or its equivalent, substantially as specified, and having a cover or disk having a central perforation and notches on its periphery pivoted to the free end of said core and adapted to freely rotate thereon, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

EDWARD F. MONTGOMERY.

Witnesses:

JNO. F. McCRYSTAL,  
BELLE L. BAUDER.