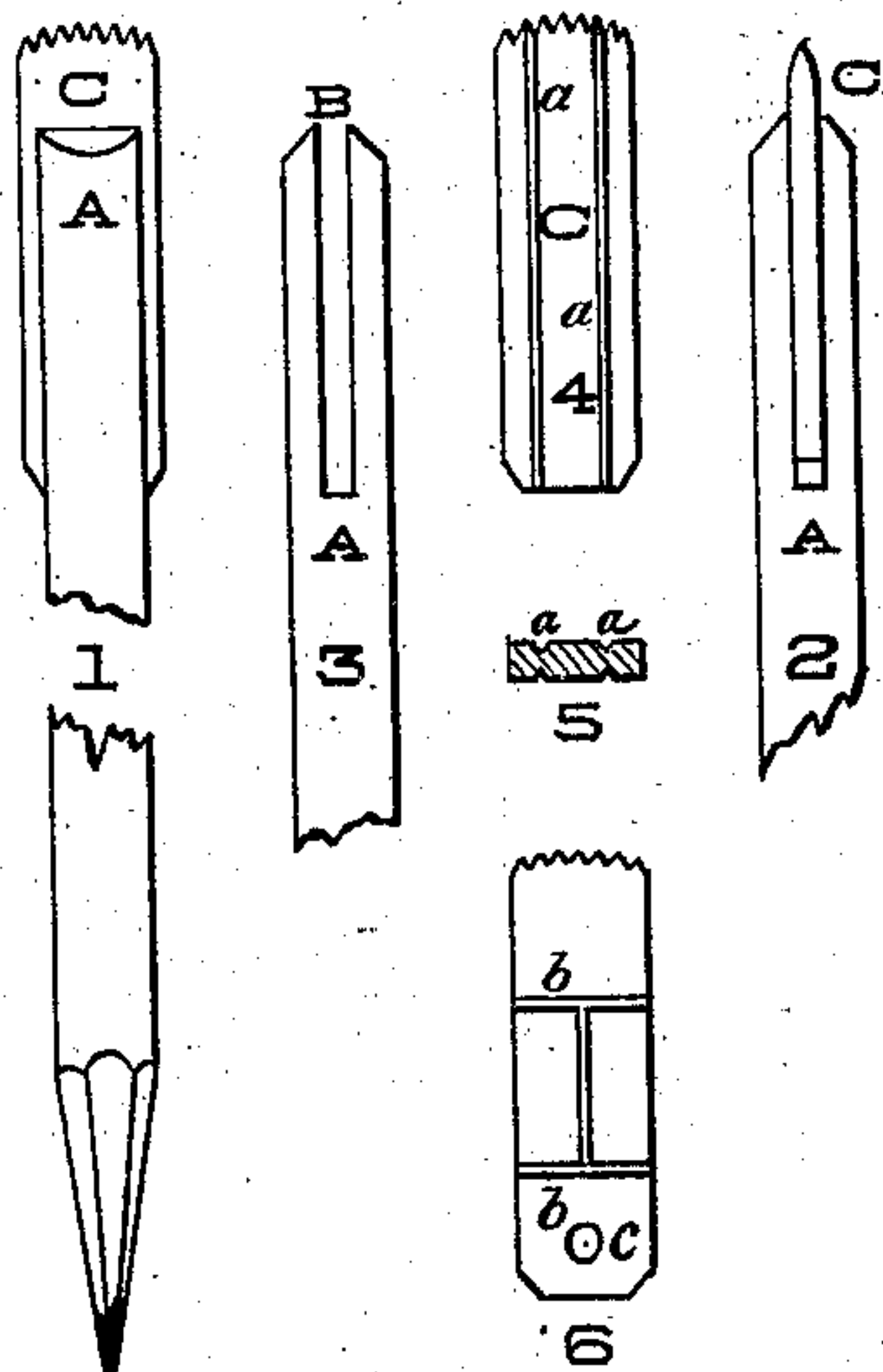


H. T. CUSHMAN.

LEAD-PENCIL

No. 192,902.

Patented July 10, 1877.



WITNESSES,

INVENTOR,

Martin B Scott Henry T. Cushman,
Marshall B Mueh by Franklin Scott
his Attorney.

UNITED STATES PATENT OFFICE.

HENRY T. CUSHMAN, OF NORTH BENNINGTON, VERMONT.

IMPROVEMENT IN LEAD-PENCILS.

Specification forming part of Letters Patent No. **192,902**, dated July 10, 1877; application filed January 25, 1877.

To all whom it may concern:

Be it known that I, HENRY T. CUSHMAN, of North Bennington, in the county of Bennington and State of Vermont, have invented an Improved Erasing Attachment for Lead-Pencils; and I do hereby declare the following to be a full and clear description of the same, considered in connection with the accompanying drawing, which forms a part of this specification.

Figures 1 and 2 show, respectively, a side and edge view of my eraser as applied to an ordinary lead-pencil. Fig. 3 shows the slot in the end of an ordinary pencil; and Figs. 4, 5, and 6, views of the eraser, showing different means of attachment to the pencil.

The elements of the invention consist of the form of the piece of erasing material, its degree of thickness, and the means by which it is attached to the pencil.

The erasing material may be rubber or any equivalent substitute therefor.

The edge contour of the eraser is about as shown at Fig. 4, my design being to limit its thickness, so that when the eraser is used edgewise, a single line, letter, or figure may be cleanly erased without obliterating its fellow. This is a great desideratum with accountants, draftsmen, and designers.

The breadth of the eraser C slightly exceeds the diameter of the pencil, so that its longitudinal edges slightly project beyond the wood, as shown in Fig. 1. It may be of any desired length.

The eraser, when used flatwise, will wear into the shape shown in Fig. 2—that is, to a V-shaped edge. This is a result growing out of its thinness and mode of use, and is an important feature, as it provides draftsmen and designers with a sharp-edged elastic eraser adapted to obliterate or remove a single figure or mark from among many lying closely adjacent without disturbing the others.

Ordinary glue does not adhere well to rubber, and so I have designed as a means of fastening the eraser in its slot B in the pencil, shallow transverse, *b b*, or longitudinal, *a a*, grooves or creases, by means of which, and of the hardened glue or other adhesive material therein, which firmly adheres to the cheeks of the slot B, the eraser is inextricably confined.

Another modification of the same fastening device is to provide a hole, *c*, through the bottom portion of the eraser, which is filled with glue or other adhesive material. After insertion of the rubber or eraser C in the slot B this glue in the hole *c* solidifies, and, adhering firmly to the cheeks of slot B, constitutes a dowel, which secures the eraser in place.

When used the wood may be cut away from the rubber as desired.

I claim as new and of my invention—

1. As a new article of manufacture, the herein-described eraser, consisting of the slab C, possessing the described attribute of thickness, mounted so as to expose the lateral edges of the same, by the described means, in a longitudinal slot in the end of a lead-pencil or other suitable handle, the cheeks of which slot may be cut away as the eraser is worn down, substantially as described and set forth.

2. The specific means of securing the described eraser in the slot of the pencil or holder, consisting of any suitable adhesive material used in connection with the eraser C, provided with creases *a a* and *b b*, or perforation *c*, and the cheeks of slot B, substantially as described and set forth.

In testimony whereof I have hereto set my hand, at North Bennington, Vermont, this 22d day of January, A. D. 1877.

HENRY T. CUSHMAN.

In presence of—

FRANKLIN SCOTT,
MARTIN B. SCOTT.