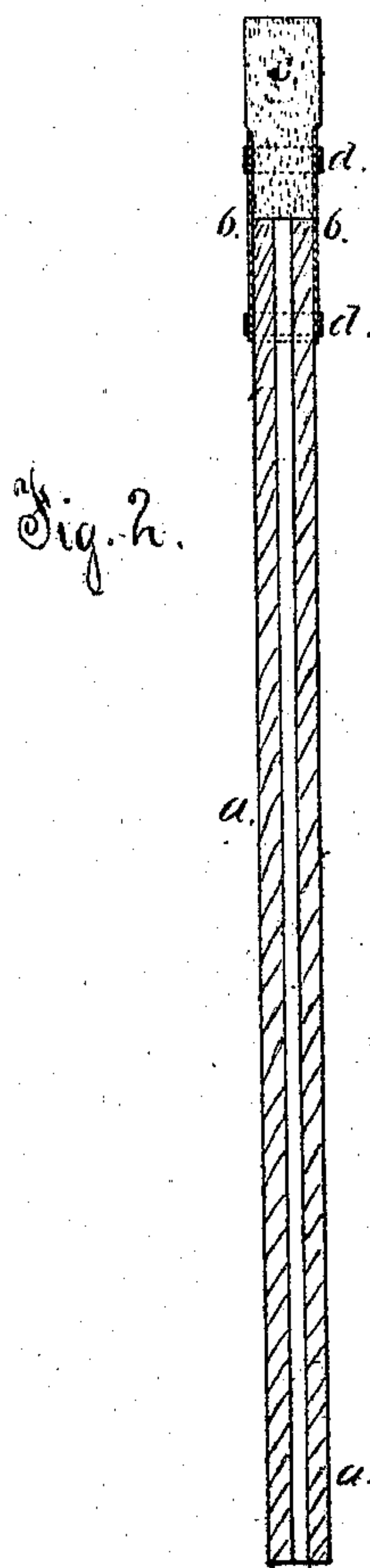
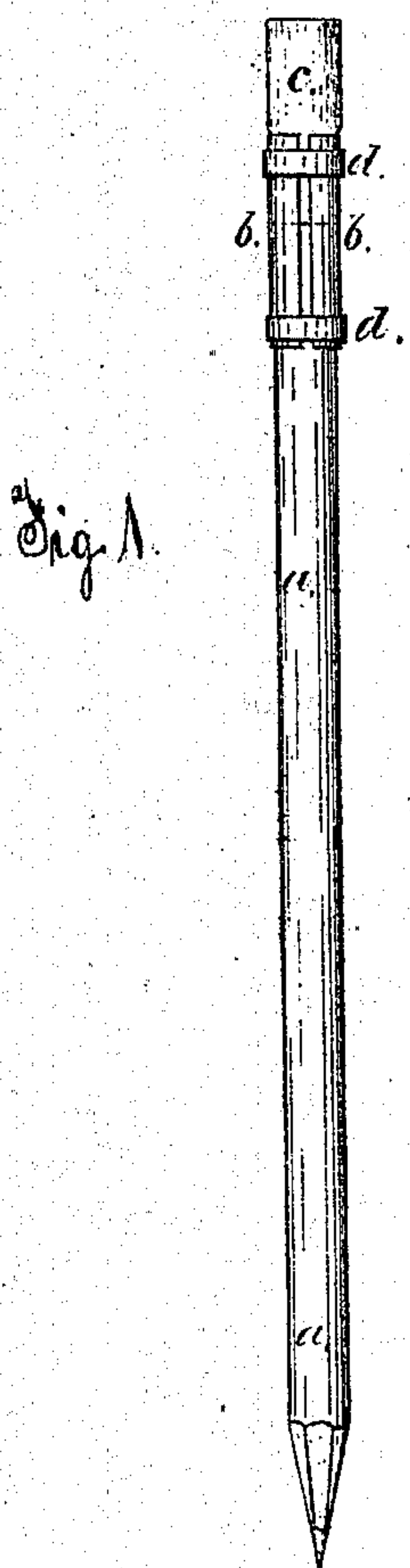


Tosburg & Ludden,
Pencil.

No 35.355.

Patented May 20. 1862



Witnesses.

Charles Puley

Chas. Geo. Harold

Wm. C. Tosburg

Wm. A. Ludden

UNITED STATES PATENT OFFICE.

WILLIAM C. VOSBURGH AND WILLIAM A. LUDDEN, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN THE MEANS OF ATTACHING INDIA-RUBBER TO PENCILS.

Specification forming part of Letters Patent No. **35,355**, dated May 20, 1862.

To all whom it may concern:

Be it known that we, WILLIAM C. VOSBURGH and WILLIAM A. LUDDEN, of Brooklyn, in the county of Kings and State of New York, have invented, made, and applied to use a certain new and Improved Means for Attaching Rubber to Pencils, &c.; and we do hereby declare that the following is a full, clear, and exact description of the said invention, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is an elevation of a pencil with our improved means for attaching the rubber applied thereto; and Fig. 2 is a vertical section of the same.

Similar marks of reference indicate the same parts.

Small circular pieces of rubber have heretofore been attached to a pencil or pen-handle by dressing down the end and entering the same with suitable cement into a hole formed in the rubber. This involves the necessity of forming the rubber exactly as required for said use.

Our invention consists in the employment of semi-cylindrical clamps, and a ring or rings to bind said clamps upon both the pencil and the rubber, so that said rubber can be projected more or less from said clamps, and the ordinary gum-elastic cord can be employed, by cutting the same off in sections of the desired length, thus affording great facility in applying the rubber to a pencil or pen-handle, allowing for the introduction of a new piece when necessary, and sustaining the rubber while being employed for erasing pencil-marks.

In the drawings, *a* is a pencil or a pen-handle.

b b are the semi-cylindrical clamps of metal or other suitable material.

c is the section of gum-elastic, and *d d* are rings of metal or other material slid over the pair of semi-cylindrical clamps to bind them to the rubber and to the pencil or pen-handle respectively.

The semi-cylindrical clamps should, for convenience in manufacturing, be both alike and of a size to form, when set together, a cylinder slightly less than the smallest size of pencil or pen-handle to which they are adapted; hence there will be a slight separation between these clamps, as shown in Fig. 1, with the ordinary sizes of pencils or pen-handles. The rings *d d* must be varied in size to suit the pencil, or but one ring might be employed, if desired.

What we claim, and desire to secure by Letters Patent, is—

The employment of the semi-cylindrical clamps *b b*, formed as specified, and a ring or rings, *d*, in combination with the section of india-rubber *c*, and the pencil or pen-handle *a*, for the purposes, and as set forth.

In witness whereof we have hereunto set our signatures this 18th day of April, 1862.

WM. C. VOSBURGH.
WM. A. LUDDEN.

Witnesses:

CHARLES PERLEY,
THOS. GEO. HAROLD.