

T. H. MÜLLER.

Attaching Rubber Erasers to Lead-Pencils.

No. 126,224.

Patented April 30, 1872.

Fig. 1.



Fig. 2.

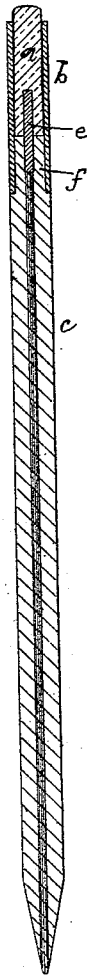
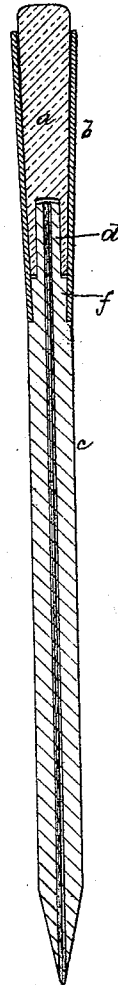


Fig. 3.



Fig. 4.



Witnesses

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TEILE H. MÜLLER, OF YONKERS, NEW YORK.

IMPROVEMENT IN ATTACHING RUBBER ERASERS TO LEAD-PENCILS.

Specification forming part of Letters Patent No. 126,224, dated April 30, 1872.

To whom it may concern:

Be it known that I, TEILE H. MÜLLER, of Yonkers, Westchester county, New York, have invented certain new and useful Improvements in Combining Rubber Erasers with Lead-Pencils, of which the following is a specification:

My invention relates to lead-pencils which have combined with them rubber erasers surrounded by sheaths distinct from the pencils, and composed of paper, wood, or other material that can be cut with a knife. It has been usual heretofore to unite the rubber with the sheath by cementing or gluing the same together, and then to fasten the sheath to the pencil, the sheath being thus the intermediary for connecting the pencil and rubber. It is my object to unite the rubber with the pencil by other means than the sheath, so that the cementing of the rubber to the latter may not be necessary, the said sheath being employed only to cover and afford lateral support to the rubber.

In the accompanying drawing is represented the manner in which my invention is or may be carried into effect.

Figure 1 is an elevation, and Fig. 2 is a longitudinal central section of a rubber-head pencil made in accordance with my invention. Figs. 3 and 4 are similar views of a modification of the same.

The rubber body or core of the eraser is represented at *a*, the eraser-sheath at *b*, and the pencil at *c*. The rubber is secured to the pencil by having a socket in its lower end fitting a tenon, *d*, Fig. 4, on the pencil, to which it is glued or cemented; or, as the equivalent of this, a pin of metal or other suitable material can be partly molded into the rubber, with its projecting end fitted and secured in the end of the pencil, as seen at *e*, Fig. 2. To cover and give lateral support to the rubber in Figs. 1 and 2, I surround it with a cylindrical sheath, *b*, of wood, paper, or other suitable material, which is made longer than the rubber so as to fit a tenon, *f*, on the pencil, to which it is glued or otherwise suitably secured. In this way the rubber and sheath are

not directly connected, but each is attached directly to the pencil, and independently of the other. In Figs. 3 and 4 the rubber-head is conical or tapering, with the larger end uppermost, in order to obtain a greater body of rubber for erasing purposes. The fitting and uniting of this rubber with the pencil is effected in a manner similar to that already described with reference to the eraser in Figs. 1 and 2. When the sheath *b* is formed before it is applied to a rubber of this shape, it should be fitted to the pencil before the rubber is put on. The sheath can be secured to the pencil in the manner already indicated; or a dovetail form, as shown in Fig. 4, may be given the tenon on which the sheath is fitted, and the sheath, during the process of its formation, may be wrapped upon and fastened to the pencil, the lower part of the folds of paper or wood veneer of which it is formed being wrapped around the dovetailed tenon so as to attach it securely, without indeed rendering it necessary to use glue. With the conical form of rubber shown in Fig. 4 it is not absolutely necessary, in any event, to glue the sheath to the pencil, for the large end of the rubber will hold the sheath down in place and prevent it from slipping off.

The advantages of the arrangement above described are—First, the eraser head can be made long, containing a much greater body of rubber than the ordinary pencil-tip. Second, there is no glue on the rubber to scratch and deface the paper over which it is rubbed. Third, the glue used in attaching the sheath and rubber to the pencil is not liable to spread to and besmear the exterior of the pencil, which is a trouble frequently experienced in the manufacture of other rubber-head pencils of this class.

I do not claim, broadly, the combination of a paper-incased rubber eraser with a lead-pencil, for of this I am not the inventor; but

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

The combination, with a wooden lead-pencil, of a rubber head composed of an erasive rubber of suitable shape, surrounded by a

stiff sheath of wood, paper, or other suitable material that can be cut with a knife, the two being held together by means of attachment to the pencil, substantially as shown and described, so that the sheath may afford lateral support to the rubber without being cemented to or otherwise directly united with the same.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

TEILE H. MÜLLER.

Witnesses:

A. POLLOK,
M. BAILEY.