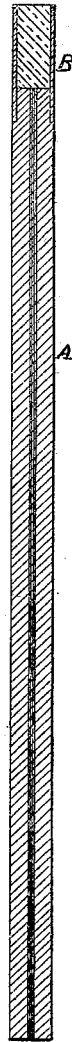
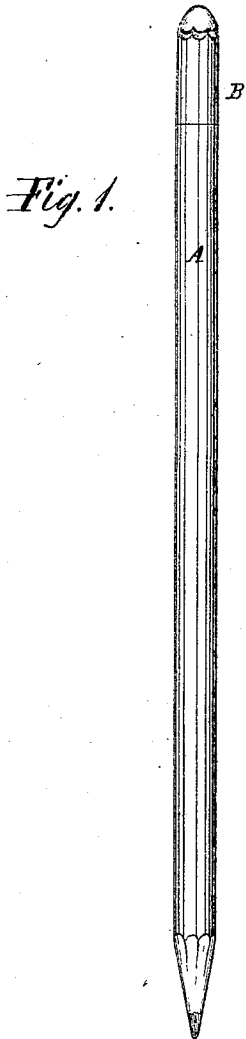


T. H. MULLER.

Lead-Pencil.

No. 127,633.

Patented June 4, 1872.



Teile H. Müller
by his attorney
A. H. H. H.

Witnesses:
C. B. Nottingham
W. Nottingham

UNITED STATES PATENT OFFICE.

TEILE HENRY MÜLLER, OF YONKERS, NEW YORK.

IMPROVEMENT IN LEAD-PENCILS.

Specification forming part of Letters Patent No. 127,633, dated June 4, 1872.

To whom it may concern:

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

My invention is an improvement on the invention described and claimed in the patent of H. L. Lipman of March 30, 1858. The invention of said Lipman consisted of a pencil embracing in the same wooden sheath a rubber eraser and a lead core. In this pencil it has been found to be difficult, if not impracticable, to make, in the cylindrical wooden case of ordinary pencil size, a cavity of sufficient diameter to hold a properly-sized piece of rubber without considerable trouble, and also without unduly weakening the wood. To remedy this difficulty the eraser-end of the pencil has been enlarged and thickened in order to allow a large cavity to be made in it, as described in the patent of Joseph Reckendorfer, dated November 4, 1862. I have, however, discovered that the difficulty experienced in the Lipman pencil may be avoided in another way—viz., by making the wooden sheath in two parts—the one containing the lead, the other the rubber—and then fitting together and uniting the two, and finishing them so that they shall present the appearance of an ordinary wooden pencil. The manner in which this result is attained will be understood by reference to the accompanying drawing, in which—

Figure 1 is a view of the pencil complete, and Fig. 2 is a longitudinal central section of the same.

A represents the portion of the wooden sheath in which the lead is contained, and is made for the most part in the usual manner. B is the portion of the wooden sheath which contains the rubber eraser. These two parts are made separately. The part B may be made in two parts, grooved and placed together like the part A, or it may be a solid piece of wood bored out cylindrically, but in any case formed so as to have a cavity much greater in diameter than that formed in the other part of the

pencil for the lead core; and this cavity is intended for the rubber eraser, which, when fitted therein, becomes incased in a wooden sheath. The lower end of the part B is also bored out or grooved to receive a tenon formed on one of the ends of the part A. The two parts are of exactly the same shape and size on their exterior, so that when fitted together they may appear to be one and the same piece. After the parts are made and combined with the lead and rubber, as above specified, they are fitted and glued or otherwise held together, and then finished and varnished in a manner well known to pencil manufacturers, so as to conceal the joint between them, and to prevent the appearance of an ordinary wooden pencil.

In this manner I obtain a pencil of the same size and shape throughout its length, containing the usual lead core in one end and in the other end a rubber core far exceeding in size that which it has been heretofore practicable to use in a Lipman pencil, the two cores—lead and rubber—being inclosed in wood, which forms the sheath or case of the pencil.

This method of constructing the pencil admits of the employment of a harder wood for the eraser-sheath than need be employed for the pencil-stock proper, and the employment of a harder and tougher wood for this purpose will, of course, enable me to make the walls of the sheath thinner, thus increasing the capacity of the recess or socket which holds the eraser.

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

A wooden lead-pencil composed of a wooden sheath inclosing the rubber and a wooden stock inclosing the lead, when the two are constructed separately and connected together substantially as shown and set forth.

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

T. H. MÜLLER.

Witnesses:

HENRY SPAMER,
ISAAC HURD.