

P. HUFELAND.
Lead-Pencils.

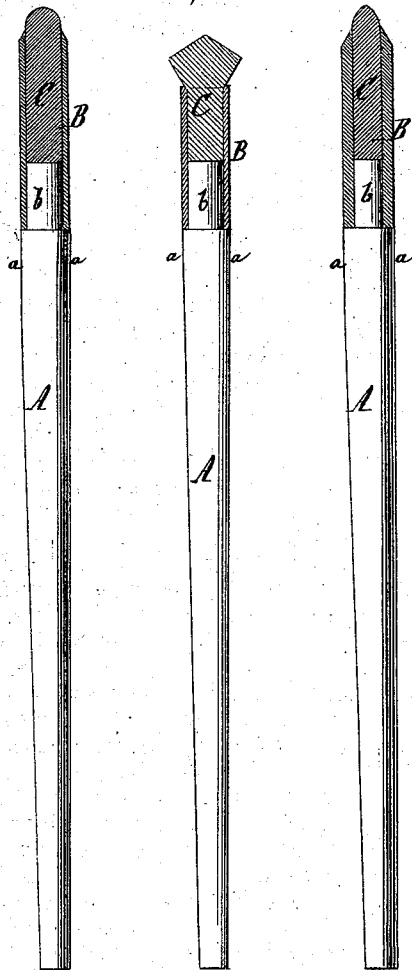
No. 154,675.

Patented Sept. 1, 1874.

Fig: 1.

*Fig: 1.**

Fig: 2.



Witnesses
E. G. Kastenhuber.
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UNITED STATES PATENT OFFICE.

PHILIP HUFELAND, OF NEW YORK, N. Y.

IMPROVEMENT IN LEAD-PENCILS.

Specification forming part of Letters Patent No. **154,675**, dated September 1, 1874; application filed October 26, 1871.

CASE B.

To all whom it may concern:

Be it known that I, PHILIP HUFELAND, of the city, county, and State of New York, have invented certain new and useful Improvements in Lead-Pencils, of which the following is a specification:

In the accompanying drawings, Figures 1 and 1* represent vertical sectional views of lead-pencils with rubber erasers inclosed in a paper case or tube. Fig. 2 is a similar view of the same with a rubber eraser inclosed in a wooden case or tube.

Similar letters indicate corresponding parts.

This invention consists of a lead-pencil having a case or tube, made of paper or other material soft enough to be cut with a knife, applied to its end so as to have its exterior surface flush with the exterior of the pencil-body, and colored or finished to correspond with the body of the pencil, as hereinafter more fully set forth.

In the drawings, the letter A designates a lead-pencil. To one end of this pencil I attach a case or tube, B, made of paper or other material soft enough to be cut with a knife, and said case or tube being of a form corresponding to that of the pencil, and combined and united with the pencil so as to have its exterior surface and contour continuous, uniform, and flush with the exterior surface and contour of the pencil. The end of the pencil for a short distance is reduced to form a tenon, *b*, intended to fit in the open end of the tubular case or tube B, which said case or tube contains a rubber eraser, C. The outside diameter of the case or tube B is equal to the diameter of the pencil, so that when it is applied to the tenon *b*, it forms a continuation of the pencil, leaving the surface of the whole unbroken from end to end, whereby a rubber-containing case or tube and an eraser of increased diameter are secured and combined with the pencil without disturbing the uniformity of the surface of the pencil; and, furthermore, the operation of combining the rubber eraser with the lead-pencil, and forming the union of parts, is effected with comparative ease and facility. The case or tube B may be made of paper, as shown in Fig. 1,

or it may be made of wood, as shown in Fig. 2; but in all cases I prefer such material which allows of being readily cut with a knife. If wood be used the case or tube must necessarily be made of considerable thickness to prevent it from splitting, and thus the space for the rubber becomes limited; but if I use paper, leather, or other tough material which can be cut with a knife, I can make the case or tube quite thin without rendering it liable to split or crack.

By securing the rubber upon the end of the pencil by means of the case or tube B, the manufacture of the article is rendered quite easy, and when finished the rubber-containing case or tube and pencil show a continuous, uniform, and flush surface, and the same, when colored or finished to correspond with the body of the pencil, presents a neat and attractive appearance.

It will be understood that the case or tube protects and affords lateral support for the rubber eraser, the end of which eraser projects from the case or tube a sufficient distance to be used as an eraser. As the rubber wears off by usage the tube can be easily cut down, so as to keep the end of the eraser always exposed, and I am enabled to use the eraser down to its inner end.

I do not claim, broadly, the combination of a paper case or tube, an eraser, and a lead-pencil, as such is the subject-matter of a separate application; but

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A lead-pencil having a paper case or tube applied to its end so as to have its exterior surface flush with the exterior of the pencil-body, and colored or finished to correspond with the body of the pencil, with the eraser applied as set forth, the whole constituting a new article of manufacture.

This specification signed this 17th day of October, 1871.

PH. HUFELAND.

Witnesses:

W. HAUFF,
E. F. KASTENHUBER.