

W. I. LUDLOW.  
Pencil-Case.

No. 165,009.

Patented June 29, 1875.

Fig. 1.

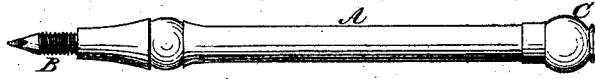


Fig. 2.



Fig. 3.

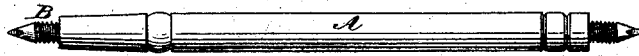


Fig. 4.

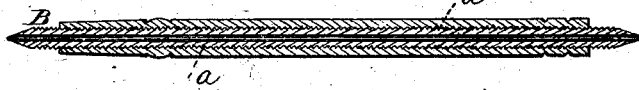


Fig. 5.



Witnesses:

*W. C. Morris*  
*J. S. Goomb*

Inventor:

*W. I. Ludlow.*  
By *James L. Morris.*  
Atty-

# UNITED STATES PATENT OFFICE.

WASHINGTON I. LUDLOW, OF ROCHESTER, NEW YORK.

## IMPROVEMENT IN PENCIL-CASES.

Specification forming part of Letters Patent No. **165,009**, dated June 29, 1875; application filed December 3, 1874.

*To all whom it may concern :*

Be it known that I, WASHINGTON I. LUDLOW, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Pencils, of which the following is a specification:

The nature of my invention relates to a pencil, whether the same be of lead, slate, or otherwise; and it consists in a hollow cylinder or holder, in either end of which the pencil may be inserted. This cylinder may be of metal, hard rubber, or other suitable material, and it is provided with an internal screw-thread. The aperture left at the top is suitably filled by an ornamental plug, which adds to the symmetry and finished appearance of the complete pencil.

In the accompanying drawing, the several figures illustrate my improved pencil, constructed, according to my invention, in longitudinal section and side elevation. In the said drawing, A represents the hollow cylinder or case, which is made of suitable shape and material, and is provided with a screw-thread, *a*. This screw may extend the entire length of the case, if desired. B represents the pencil, of convenient shape and material, and it may be provided with a slight screw-thread on its outer surface, or, when made of a soft material, as cedar wood, the screw will be formed by the thread in the cylinder or case, when the pencil is inserted and turned to project from the holder. C represents an ornamental cap, which is inserted in the hole at the top of the case.

A modification of my invention is shown in Fig 5 of the drawing. In this modification the case is also made of wood, or hard rubber, or other suitable material. A small cylinder, D, of a length, say, of three-eighths of an inch, more or less, of metal, and provided both on its outside and inside surfaces with a screw-thread,

is inserted in the cylinder or case at the point thereof. It may be held in place by means of the screw-thread on its outer surface, or secured by glue, or in any other desirable manner. The pencil is inserted at the other extremity of the case and passes through this small cylinder.

The operation and advantages of my invention are obvious. The pencil is introduced at the top of the case, and, if not previously provided with a screw-thread corresponding to the female screw of the case, it receives one as it is forced through. The aperture left is filled with the cap C. As fast as the pencil is used up it is forced forward by simply turning it in the case.

I do away with short pencils, as I preserve the full length of the holder or case. The pencil may be used up almost entire.

It is economical in consequence of the lessened cost to the consumer.

I do away with the necessity of finishing the outside of the pencil, which adds nearly one-half to the cost of an ordinary pencil.

What I claim is—

1. The hollow cylinder or casing A, having an aperture at each end and an internal screw-thread, in combination with the pencil B, adapted to move through said hollow cylinder or casing, substantially as and for the purpose described.

2. The hollow case A, provided with screw-thread *a*, and the ornamental cap C, in combination with the pencil B, substantially as shown and specified.

In testimony that I claim the foregoing, I have hereunto set my hand.

WASHINGTON I. LUDLOW.

Witnesses:

F. A. MACOMBER,  
WALTER W. ADAMS.