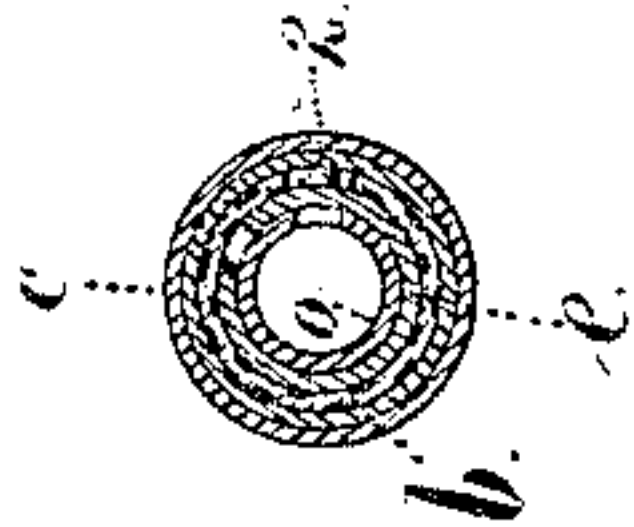


W. A. LUDDEN.  
Pen and Pencil-Cases.

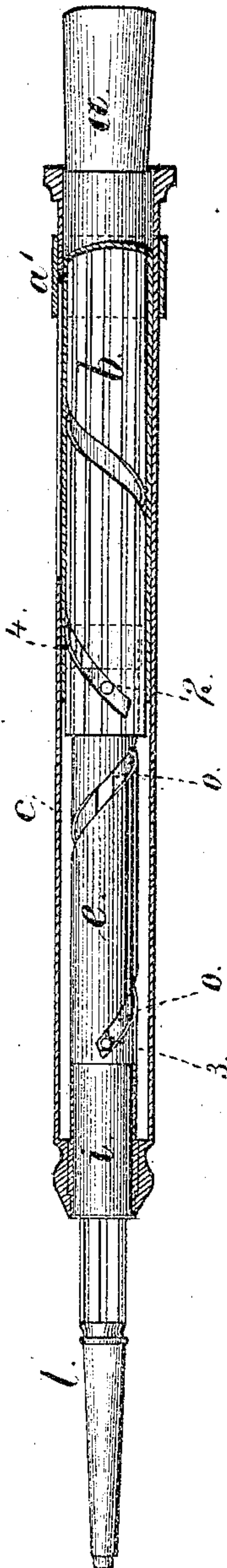
No. 151,230.

Patented May 26, 1874.

*Fig. 2.*



*Fig. 1.*



Witnesses

*Chas. H. Smith*

*George Serrell*

Inventor

*William A. Ludden,*

per *Lemuel W. Serrell*  
*att.*

# UNITED STATES PATENT OFFICE.

WILLIAM A. LUDDEN, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN PEN AND PENCIL CASES.

Specification forming part of Letters Patent No. 151,230, dated May 26, 1874; application filed February 19, 1874.

*To all whom it may concern:*

Be it known that I, WILLIAM A. LUDDEN, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Pen and Pencil Cases, of which the following is a specification:

Pencil-cases have been made with one tube sliding inside the other, and by drawing out the tube at one end the pencil is projected at the other by a screw-action, there being one cylinder inside the other, and slotted in a screw-form. My improvement relates to a pen and pencil case combined, in which the pencil is projected at one end by sliding the band and pen-holder toward the other end.

In the drawing, Figure 1 is a section of the exterior case and an elevation of the interior screw-tubes, and Fig. 2 is a cross-section in larger size.

The pen-holder *a* is of usual character and soldered to the screw-tube *b*, and these can be moved endwise in the case *c* by the exterior ring or band *a'* that is connected with the holder *a* by screws or pins passing through the longitudinal slot in the case *c*. The screw-tube *e* slides freely within the screw-tube *b*, and there is a pin, 2, upon the tube *e* that enters the screw-slot in *b*, so that the tube *e* is revolved by the endwise movement of the tube *b*. This tube *e* is free to revolve within the band *i*, that is soldered or otherwise fastened at the pencil end of the case *c*. This band *i* prevents the tube *e* moving endwise. Within the tube *e* is a third tube, *o*, that is slotted lengthwise, and its enlarged inner end 4 slides

within the tube *b*, said tube *b* being corrugated and the head 4 of the tube *o* fitting the same, so that it will not revolve as the tube *b* is moved endwise, and the intermediate tube *e* revolves. Upon the inner cylindrical portion of the ever-pointed pencil *l* is a pin, 3, passing through and guided by the longitudinal slot in the tube *o*, and entering the screw-slot in *e*. The screw-slots in *b* and *e* being inclined in opposite directions the pencil *l* will be projected from one end of the case *c* as the pen is projected from the other.

I am aware that the pencil has been projected at one end simultaneously with the extension of the case effected by drawing out the tube containing the pen; the pen-slide and pen, however, had to be projected separately by hand. In my case the pencil is projected at one end by the act of moving the pen-holder at the other end, and the case itself is not extended.

I claim as my invention—

The pen-holder *a* upon the screw-tube *b*, connected to the band *a'* outside the slotted case *c*, in combination with the screw-tube *e*, slotted tube *o*, and pencil *l*, substantially as set forth, whereby the pencil is projected by the act of projecting the pen.

Signed by me this 17th day of February, A. D. 1874.

WM. A. LUDDEN.

Witnesses:

GEO. T. PINCKNEY,  
CHAS. H. SMITH.