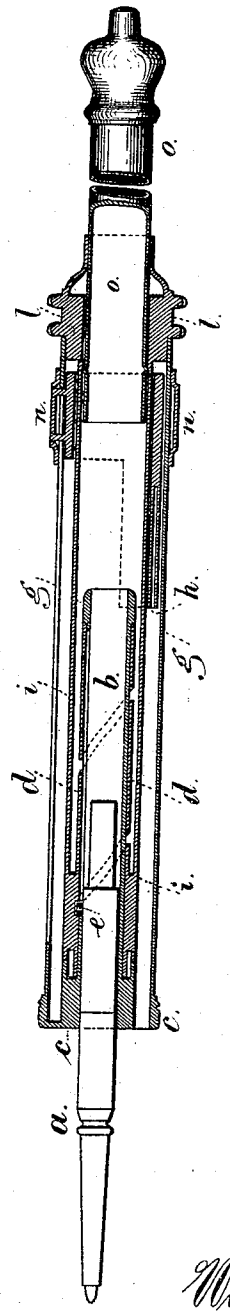
W. A. LUDDEN.

Pen and Pencil Case.

No. 169,012. Patented Oct. 19, 1875.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM A. LUDDEN, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN PEN AND PENCIL CASES.

Specification forming part of Letters Patent No. **169,012**, dated October 19, 1875; application filed August 6, 1875.

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:

Pen and pencil cases have been made with an extension-tube at one end, by the revolving of which a cylinder containing a screw-slot is revolved for moving in and out an ever-pointed pencil. In this construction the screw-tube is liable to become obstructed by dirt and other foreign substances that enter through the slit in the outer case that the pins pass through which connect the slide with the pen-holder.

My improvement is made for inclosing the screw-tube and keeping it clear; and consists in a tube within the case inclosing the screw-tube, and extending to the top of the case and terminating as a collar, by which the inclosing-tube and screw-tube are revolved to project or retract the pencil. In this pencil-case the point is projected or retracted regardless of the extension-tube.

In the drawing, a longitudinal section of the improved pencil-case in an enlarged size is represented.

The ever-pointed pencil *a* is of ordinary character, and contains the device for projecting the lead. The cylinder containing the mechanism of the pencil slides freely in the stationary tube *b*, that is connected at one end with the end piece *c* of the pencil-case, and this tube *b* is slotted longitudinally for the pin *e* that projects from *a*, and passes also through the slot of the screw-cylinder *d* that surrounds the tube *b*, and hence the ever-pointed pencil will be projected or retracted by the revolution of the screw-cylinder *d*. An inclosing-tube, *i*, is attached at one end to a collar around the screw-tube *d*, and at the other end this tube terminates with the collar *l*, so that this tube *i* can be easily revolved by grasping the collar, and, in so doing, the screw-cylinder will also be revolved and the pencil moved. The exterior ornamental case *g* is at a sufficient distance outside the tube *i* to allow the pen-holder *h* to be introduced between them, and the case *g* is slotted, and the pencil-holder is connected to the ring *n* that surrounds the case, and by which the pen is moved, as usual. The end of the case is open at the place where the pen and holder are projected, as in other cases of this character.

The extension-tube *o* slides freely within the tube *i* and collar *l*, and may or may not always be used. The tube *i*, inclosing the screw, prevents any dirt or foreign matter getting into the same or the inner portion of the case.

I claim as my invention—

The tube *i*, connected at one end to the screw-tube *d*, and at the other end to the collar *l*, by which it and the screw-tube *d* are revolved, in combination with the pencil *a* and the case inclosing the pen-slide, substantially as set forth.

Signed by me this 4th day of August, A. D. 1875.

WM. A. LUDDEN.

Witnesses:

GEO. T. PINCKNEY,

CHAS. H. SMITH.