

R. M. COLLARD.
Pen and Pencil Cases.

No. 155,008.

Patented Sept. 15, 1874.

Fig. 1.

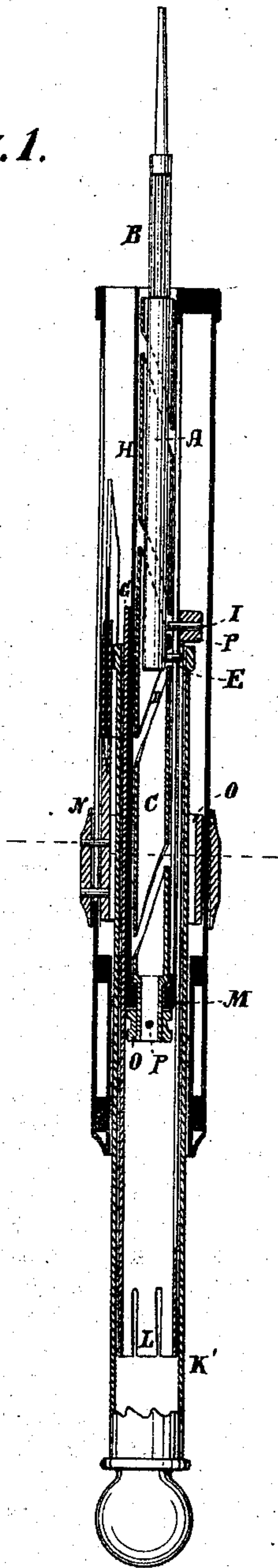


Fig. 2.



Fig. 3.

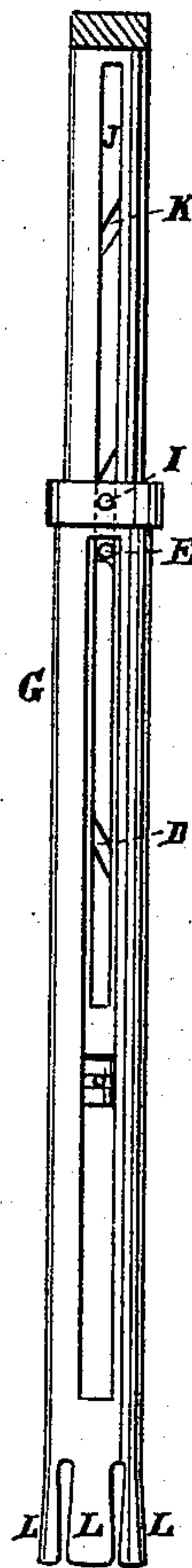
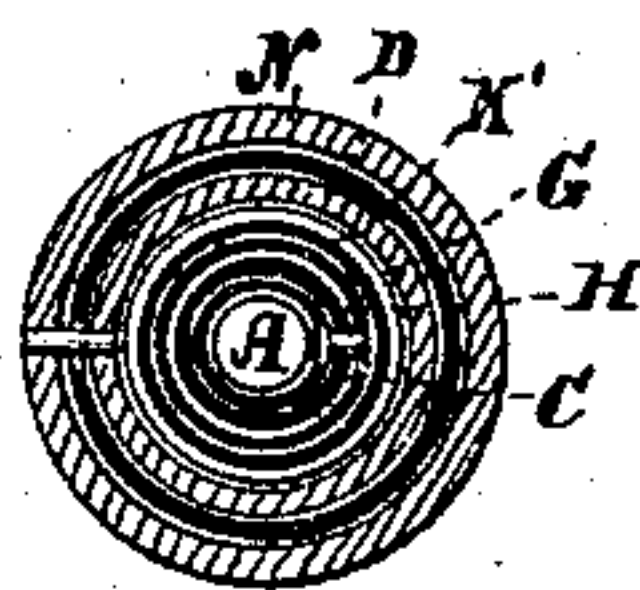


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

RICHARD M. COLLARD, OF NEW YORK, N. Y.

IMPROVEMENT IN PEN AND PENCIL CASES.

Specification forming part of Letters Patent No. **155,008**, dated September 15, 1874; application filed July 18, 1874.

To all whom it may concern:

Be it known that I, RICHARD M. COLLARD, of the city, county, and State of New York, have invented a new and Improved Pen and Pencil Case, of which the following is a specification:

The object of my invention is to contrive the works of a pen and pencil case, so that the extension-tube may be forced down by the pen-slide to force the pencil back into the case when the pen is shoved out for use, and yet the extension-tube may be drawn back for use all the same, and also to provide an improved way of fastening the revolving tube in the stationary tube, so that it can be readily unfastened when it may be required to do so.

Figure 1 is a longitudinal sectional elevation of a pen and pencil contrived according to my invention. Fig. 2 is a side elevation of the revolving tube; and Fig. 3 is a side elevation of the revolving tube, stationary tube, and the tube for working the revolving tube to slide the pencil out and in. Fig. 4 is a cross-section on line *x x*.

Similar letters of reference indicate corresponding parts.

A is the inner tube, in which the pencil B is fitted to slide out and in the case. C is the revolving barrel for sliding the pencil, which it pushes in and out by the spiral slot D in it, and the stud-pin E in the pencil, which projects into the slot. This revolving tube is turned, by the sliding tube G, outside of the stationary tube H, which has a stud-pin, I, passing through the slot J in the stationary tube H into the spiral slot K of tube C. The spiral slots are reversed as to each other in respect to their pitch, so that when tube G is pulled out at the upper end of the case to form the extension, the pencil will be forced out at the other end.

So far the arrangement is the same as is now in use, but is described to show more clearly

the invention which I now propose, as follows: I make the extension-tube in two parts, G, above mentioned, and another part, K', the latter being the outer one, which extends outside of the case, to be employed for pulling it out and pushing it in—also, for working the pencil—and the two are bound together by springs L, which hold them so firmly that they hold together as one tube to draw the stud-pin I back for pushing the pencil out. Then when the pen-slide N goes out the inner part O strikes against the collar P, and pushes the extension-tube to the lower end of the case, where the part G will be held by it, while the springs L will allow of pulling the part K' of the extension-tube out all the same as if the tube G were not held by the pen-slide.

For fastening the revolving tube in the upper end M of the stationary tube H, in which it revolves, I propose to fit a little collar, O, and fasten it with a pin, P, going through it and the end of the tube, the pin being a little tapered, so that it will drive in tight and hold, so as to be removed by being drawn out at any time. Heretofore these tubes have been secured by heading down or turning a flange on the end, which made it difficult to take them out in case of need.

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

The extension-tube, composed of two parts, G K', fitted one within the other, and bound, by springs L, so as to work as one tube to force out the pencil, but so as to allow part K' to be drawn out when part G is forced down to the end of the case by the pen-slide, substantially as specified.

RICHARD M. COLLARD.

Witnesses:

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ALEX. F. ROBERTS.