(No Model.)

A. L. ADAMS.

PENHOLDER.

No. 589,918. Patented Sept. 14, 1897.

Fig. 1.

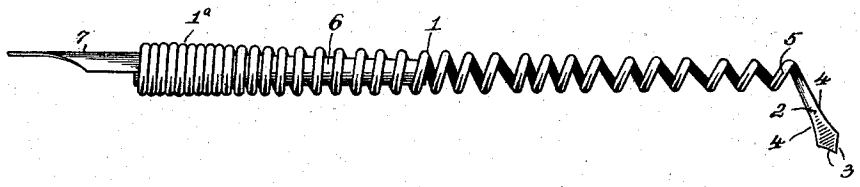


Fig. 2.

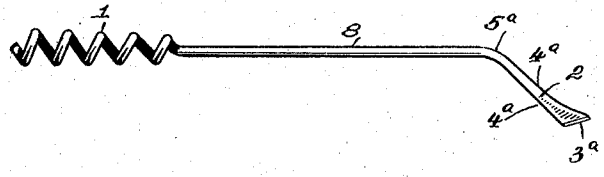
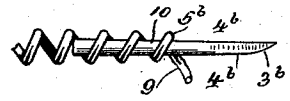


Fig. 3.



WITNESSES

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

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PENHOLDER.

SPECIFICATION forming part of Letters Patent No. 589,918, dated September 14, 1897.

Application filed January 16, 1897. Serial No. 619,443. (No model.)

To all whom it may concern:

Be it known that I, ABRAHAM L. ADAMS, a citizen of the United States, and a resident of Bridgeport, in the county of Fairfield and State of Connecticut, have invented a certain new and useful Improvement in Penholders, of which the following is a specification.

My invention relates to an improvement in penholders; and it consists in constructing the said holder of wire cylindrically wound in the form of a spring, the larger end inclosing a tubular plug or shell to support the pen and the opposite end carrying the eraser and letter-opener.

To enable others to understand my invention, reference is had to the accompanying drawings, in which—

Figure 1 represents the holder with pen attached. Figs. 2 and 3 represent modifications of the end carrying the eraser and letter-opener.

Its construction and operation are as follows:

1 is the penholder, constructed, as before mentioned, of wire of any suitable size and cylindrically wound, as shown. The coils on the lower or pen end 1^a are largest and closely wound as far as the finger-grip extends, to present substantially a smooth surface for the fingers and yet sufficiently rough to prevent slipping. From this finger-grip or closely-wound portion of the holder the coils gradually open and decrease in diameter and terminate in the angularly-disposed end 2, which end forms a combined eraser and letter-opener. The point 3 in this view is diamond shape, whose edges serve as an eraser, while the edge 4 serves the purpose of a letter-opener and the last coil 5 as a burnisher.

6 is a support for the pen 7, and it consists, preferably, of a taper-tube forced into the open end of the holder and far enough within the same to give proper support to the coils to prevent the holder bending. Sufficient space is provided between the outer surface of the tube 6 and the inner surface of the wire coils to insert the shank of the pen. Above such shank the tube engages firmly with such coils.

In the modification shown at Fig. 2 the coils are shortened after leaving the tubular support, and the wire is carried straight from thence to form the shank 8 of the eraser and letter-opener. In this case the burnisher is shown at the bend 5^a, while the eraser 3^a has but a single cutting edge.

The angularly-disposed eraser and letter-opener serves also another valuable purpose, as it prevents the holder rolling off an inclined surface.

In the modification shown at Fig. 3 the last coil of the spring terminates in the angularly-disposed end 9, which end serves to keep the holder from rolling, while the eraser and letter-opener consists of the piece of wire 10 inserted within the coils of the spring-holder. The edges 4^b serve as a letter-opener and the edge 3^b as the eraser, while the last turn 5^b answers the purpose of a burnisher.

The holder, as above described, has many valuable qualities to recommend it to persons who write to any extent. When made of aluminium and open-wound, as shown, it is fully as light as wood or other like material of which holders are usually made. The finger-grip is firm and rigid, while above that point the portion resting against the hand is sufficiently flexible to prevent finger-cramp, common to the long-continued use of a non-flexible holder. The open coils also permit of a free circulation of air where the holder is brought in contact with the hand.

It is quite evident that a solid wooden center as a support or other material could be used in place of the hollow metal tube shown, and also the coils of wire may be of uniform diameter from end to end of the holder, if desired.

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

1. An improvement in penholders, consisting of a continuous coiled-spring body, said coils closely wound at the lower end, the remainder of the coils open-wound, and an internal support in said larger end for the coils and pen, substantially as set forth.

2. A coiled-spring penholder, the coils closed and wound larger at the lower end to give increased bearing-surface for the fingers, the remainder of the coils open-wound and tapered, and an internal support for said larger end for the coils and pen, substantially as described.

3. A coiled-spring penholder, the coils closely wound at the lower end, as shown, open-wound above such close coils, and terminating in an angular projection to prevent rolling, and an internal support in the lower end for the coils and pen.

4. A coiled-spring penholder, the coils closely wound at the lower end, open-wound and tapered above such closely-wound coils, and terminating in an angular projection to form a combined eraser and letter-opener and also to prevent the holder rolling on an inclined surface, and an internal support in the lower end for the coils and pen, substantially as shown.

Signed at Bridgeport, in the county of Fairfield and State of Connecticut, this 21st day of September, A. D. 1896.

ABRAHAM L. ADAMS.

Witnesses:
LEAVITT J. ROBINSON,
HENRY SCHADT.