

(Model.)

J. H. WRIGHT.
AUTOMATIC PENCIL HOLDER.

No. 264,593.

Patented Sept. 19, 1882.

Fig. 1.

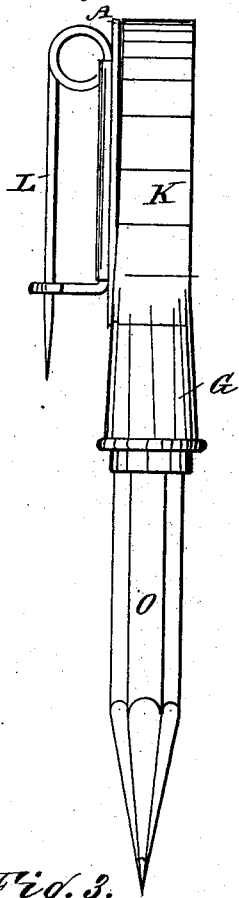


Fig. 2.

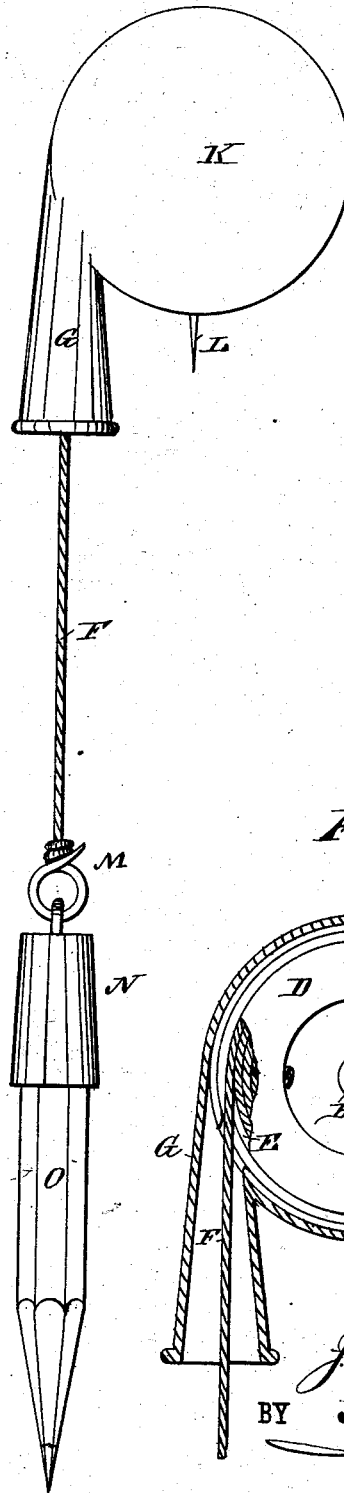


Fig. 3.

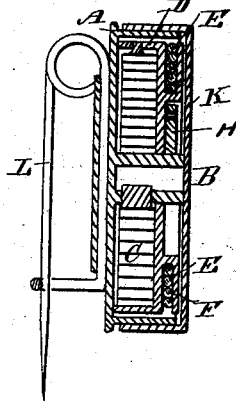
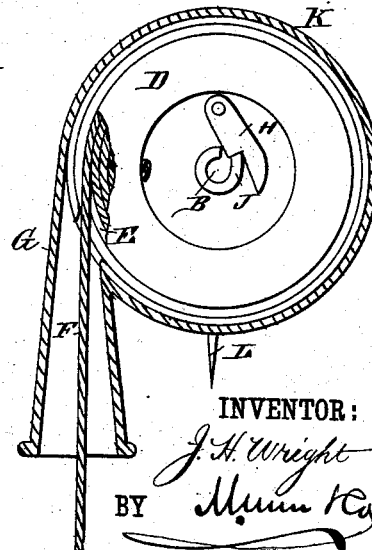


Fig. 4.



WITNESSES:

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JOSEPH H. WRIGHT, OF NEW YORK, N. Y.

AUTOMATIC PENCIL-HOLDER.

SPECIFICATION forming part of Letters Patent No. 264,593, dated September 19, 1882.

Application filed April 11, 1882. (Model.)

To all whom it may concern:

Be it known that I, JOSEPH HENRY WRIGHT, of the city, county, and State of New York, have invented a new and Improved Automatic Pencil-Holder, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved pencil-holder, which is adapted to be fastened to wearing-apparel by means of a pin, or to a desk or to a wall or some other suitable object.

This invention, which is an improvement on the pencil holder for which Letters Patent No. 245,257 were issued to me on the 2d day of August, 1881, consists in a reel provided with an annular groove for receiving a cord or tape in its circular side, the outer edges of this groove being flush with the circular side of the reel, whereby a great length of cord can be wound on a reel of small diameter, as will be fully described hereinafter.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of my improved pencil-holder. Fig. 2 is a front elevation of the same, showing the cord partly withdrawn. Fig. 3 is a cross-sectional elevation of the same. Fig. 4 is a longitudinal section of the same, parts being broken out.

A cylindrical cap, casing, or box, A, is provided with a central pin or tubular pivot, B, projecting from the inner flat side of this casing, to which pivot one end of a spiral spring, C, is attached, which spring is coiled around the pivot B and has its other end attached to the circular rim of a reel, D, fitting within the casing A. This reel D is provided with an annular groove, E, of greater or less depth or width, as may be desired or necessary, arranged at one side of the spring C in the reel D, its outer edges being flush with the circular side of the reel, as shown in Fig. 3. A cord, F, is attached to the bottom of the annular groove E and passes through corresponding side apertures in the casing A and its cover K, from which aperture in the cover K a flaring or funnel-shaped tangential extension, G, projects, this extension G being at the side of the casing A, as shown. The cord can pass through the aperture in the casing A and

the cover K without chafing or rubbing on the edges of the apertures in the cover K and casing A or on the sides or edges of the extension G. A pawl, H, is pivoted to the side of the reel D, and is adapted to catch on a tooth, J, on the end of the pivot B. A pin, L, is attached to the casing for fastening it to wearing-apparel; or the casing can be provided with devices for attaching it to a desk, wall, or to some other suitable object. A snap-hook, M, which may be swiveled, is attached to the lower or outer end of the cord F, and to this hook M a tubular socket, N, for receiving the end of a pencil, O, can be attached; or a gold pencil or pen holder or like article can be attached to the end by means of this hook.

The operation is as follows: When the pencil O is not required for use the spring C holds its end in the extension G. When wanted for use it is drawn out, the cord unwinding from the reel D. To cause the reel to wind on the cord, the latter is pulled and then slackened suddenly, thus causing the end of the pawl to be thrown quickly toward the circumference of the reel by the centrifugal action, and the pawl will then clear the tooth J and cannot hinder the rotation of the reel. The groove E, containing the cord F, is at the side of the spring in the reel, and this groove can be made wider or deeper without increasing the circumference of the reel. A great length of cord can thus be wound on a very small reel. This is a matter of great importance, as it is desirable to have the reel and the entire device as small and compact as possible.

Eyeglasses can be attached to the end of the cord in place of a pencil, or any other article that is required often and which is to be out of the way when not in use can be attached to the end of the cord.

The reel herein described can also be used in tape-lines, and in this case the groove E must be made wider.

This reel prevents the cord or tape from jamming over the reel, as in ordinary reels, when the cord is suddenly and rapidly wound on the reel.

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

1. A reel for pencil-holders, tape-lines, and like devices, constructed, substantially as here-

in shown and described, with an annular groove for receiving the cord or tape, which groove is at the side of the spring coiled in the reel, as set forth.

- 5 2. A reel constructed with an annular groove for receiving a cord or tape in one side of the reel, the outer edges of this groove being flush

with the circular side of the reel, substantially as herein shown and described, and for the purpose set forth.

JOSEPH HENRY WRIGHT.

Witnesses:

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J. H. SCARBOROUGH.