

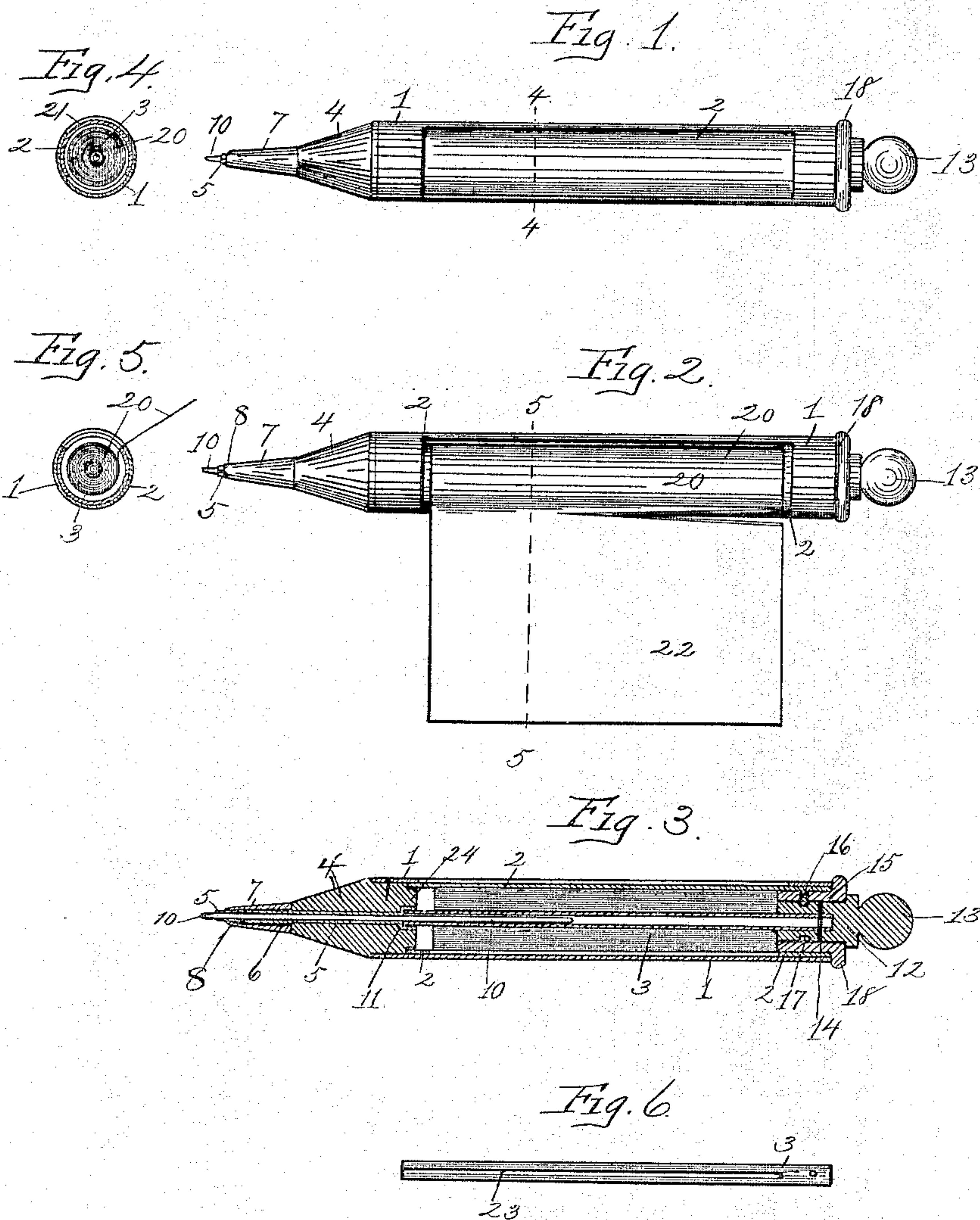
No. 640,543.

Patented Jan. 2, 1900.

F. W. DONNING.  
COMBINED PAPER HOLDER AND PENCIL.

(Application filed Aug. 14, 1899.)

(No Model.)



Witnesses:  
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# UNITED STATES PATENT OFFICE.

FRED W. DONNING, OF SCHENECTADY, NEW YORK.

## COMBINED PAPER-HOLDER AND PENCIL.

SPECIFICATION forming part of Letters Patent No. 640,543, dated January 2, 1900.

Application filed August 14, 1899. Serial No. 727,105. (No model.)

*To all whom it may concern:*

Be it known that I, FRED W. DONNING, a citizen of the United States, residing at Schenectady, county of Schenectady, and State of New York, have invented certain new and useful Improvements in a Combined Paper-Holder and Pencil, of which the following is a specification.

The invention relates to such improvements; and it consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings and the figures of reference marked thereon, which form a part of this specification.

Similar numerals refer to similar parts in the several figures.

Figure 1 of the drawings is a plan view of my combined paper-holder and pencil with the side opening closed. Fig. 2 is a similar view with the side opening open and showing the end of the paper-roll partly torn from the roll. Fig. 3 is a longitudinal central section of the device. Fig. 4 is a cross-section of same, taken at the broken line 4 4 in Fig. 1. Fig. 5 is a similar section taken at the broken line 5 5, Fig. 2. Fig. 6 is a plan view of the tubular mandrel which supports the roll of paper and contains lead-points for the pencil, detached.

It frequently happens that a person desires to make a memorandum at a place where no paper can be procured and he does not happen to have a piece, however small, in his possession.

My combined paper-holder and pencil comprises a case which is adapted to hold both paper and pencil-points and form a convenient handle for operating the pencil, a tubular mandrel for supporting a roll of paper and containing the pencil-points, also means for opening and closing the case and severing pieces of paper from the roll.

Referring to the drawings, 1 is the outer, and 2 the inner, tube of the tubular case, which contains the paper-supporting mandrel 3. The outer tube receives at one end the inner end of the plug or block 4. This block has a central aperture in which is inserted the pencil-point tube 5. This tube projects exteriorly of the block and is screw-threaded

at 6 to receive the similarly-threaded inner end of the elongated nut 7. That portion of the tube 5 which is contained in the projecting end of the nut is slitted, and the extreme outer end of the nut is provided with an interior flange 8, which contracts the aperture extending centrally through the nut. When the nut is screwed onto the tube, the interior flange forces the slitted ends of the tube tightly against the pencil-point 10 and holds it firmly in place in the tube. The tube is also provided on its inner end with an enlarged portion 11, adapted to receive and form a bearing for one end of the mandrel, which is inserted therein, as shown in Fig. 3. The other end of the mandrel is inserted in a central aperture in the plug 12, having a knob-handle 13 secured therein to turn with the plug by the pin 14 passing through the plug and mandrel. The plug is rotary in the washer 15 and is prevented from longitudinal movement therein by the screw 16, the inner end of which rests in the annular groove 17 in the plug. The washer is inserted in the outer end of the inner tube 2 and held therein by the screw 16, which passes through the tube and washer. The washer is provided on its outer end with the annular flange 18, which forms a convenient means for rotating the inner tube within the outer inclosing tube 1.

About half the shell of each of the tubes 1 and 2 is cut away to within a short distance of each end to form openings a little longer than the paper-roll 20. In Fig. 1 the opening 21 in the outer tube is shown closed by the uncut side of the inner tube. In Fig. 2 the inner tube has been given a semirotation from the position shown in Fig. 1, so that the openings in both tubes register with each other, exposing to view the inclosed roll of paper. In Fig. 2 the paper-roll is shown partly unrolled and the unrolled portion 22 torn half-way across the strip, as in the act of separating it from the roll. The strip is torn straight by tearing it across the edge of the shell of one of the tubes formed by the side opening in such tube. The paper-roll can be turned to roll or unroll it by means of the plug-handle secured to the roll-supporting mandrel.

To put a strip of paper onto the mandrel, it is only necessary to insert the edge of one



end of the strip in the slot 23 of the mandrel and then turn the mandrel by means of the knob-handle until the roll is complete.

The length of the paper strip is only limited by the size of the inner tube 2, in which the roll is contained when in use. The inner end of the inner tube is closed by a boss 24 on the inner end of the plug which contains the pencil-point tube, on which boss the tube is rotatable. As this inner end of the inner tube fits tightly between the boss and the outer tube it will serve to hold the inner tube and paper in place within the outer tube.

The inner tube 2, which telescopes into the outer tube 1, together with the mandrel and roll, can be withdrawn from the outer tube by pulling out on the knob-handle or the sleeve-flange for the purpose of renewing the supply of paper or lead-points, the paper being wound on the mandrel and the points inserted within the mandrel.

The telescopic tubes, plugs, and sleeve together form a common support for the tube containing the pencil-point and the mandrel, which may also contain points and on which the paper is rolled and unrolled. The telescoping tubes 1 and 2 together form a case which contains the paper-supporting mandrel and is provided on one end with a pencil-point support and on the other end with means, as the knob-handle, for rotating the mandrel.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a combined paper-holder and pencil, the combination with a rotary tubular mandrel adapted to support a strip of paper, rolled thereon, and contain pencil-points: of a pencil-point tube registering with and forming a continuation of the mandrel-tube, means for

controlling the position of the points in the tubes; a common support for the tube and mandrel and means for rotating the mandrel, substantially as described.

2. The combination with a slotted tubular mandrel, a mandrel-containing case, and means for rotating the mandrel in the case: of a pencil-point tube supported by the case, and registering with the mandrel-tube, substantially as described.

3. The combination with a tubular case, having an opening on one side; of a movable cover and means for moving the cover across said opening: a hollow slotted mandrel rotatively supported interiorly of the case; means, exteriorly of the case for rotating the mandrel, and a tubular pencil-point support on one end of the case registering with said mandrel substantially as described.

4. The combination with a tubular case, comprising two tubes one rotating within the other, and each having a portion of the shell cut away, whereby the case is open, on one side, when the apertured portions register with each other, and closed when out of register, of a hollow slotted mandrel supported by the inner part of the tubular case, free to rotate but held against longitudinal movement therein; means for rotating the mandrel; means for communicating a rotary movement to one of the case-tubes, and a tubular pencil-point support on one end of the case registering with said mandrel, substantially as described.

In testimony whereof I have hereunto set my hand this 8th day of August, 1899.

FRED W. DONNING.

Witnesses:

LUTHER C. MEEKER,  
AUGUSTUS H. LASHER.