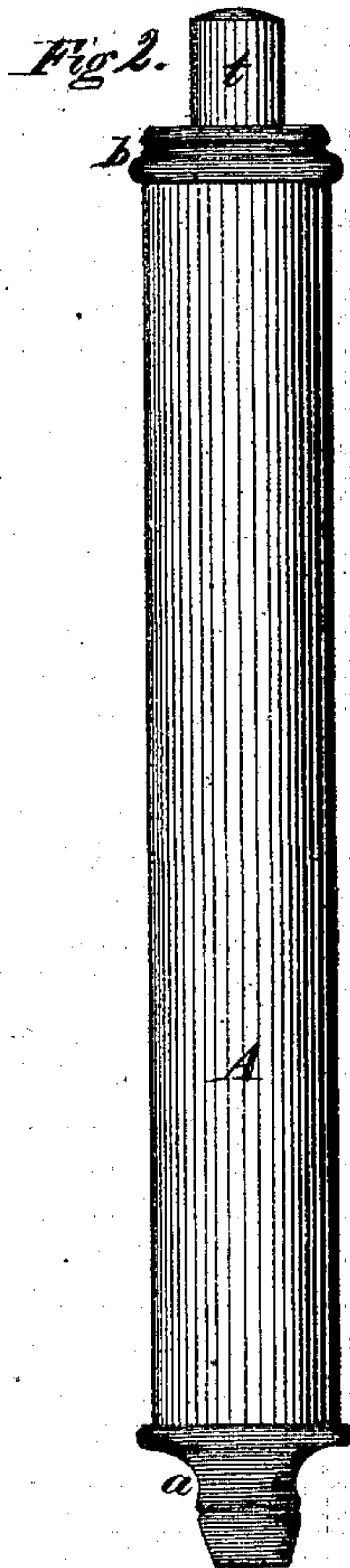
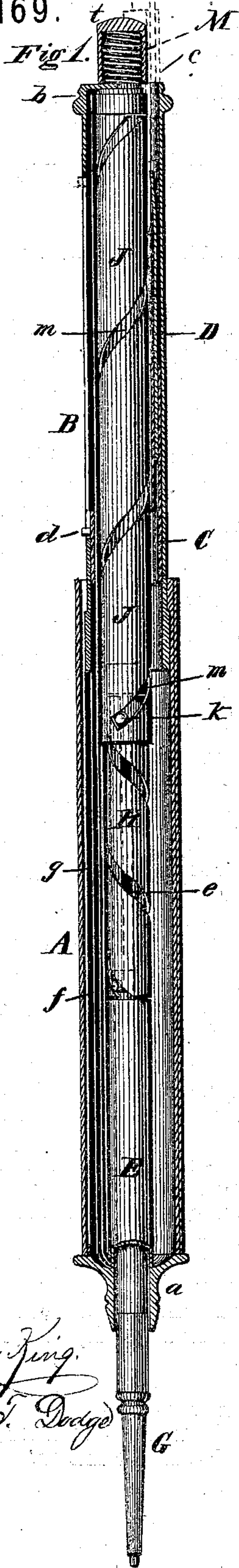


(146.)

WILLIAM S. HICKS.
Pen and Pencil Case.

Patented Dec. 26, 1871.

No. 122,169.



Witnesses.

Harry King.
Phil C. Dodge

Inventor.

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by Dodge Munn
Attys.

UNITED STATES PATENT OFFICE

WILLIAM S. HICKS, OF NEW YORK, N. Y.

IMPROVEMENT IN PEN-AND-PENCIL CASES.

Specification forming part of Letters Patent No. 122,169, dated December 26, 1871.

To all whom it may concern:

Be it known that I, WILLIAM S. HICKS, of New York, in the county of New York and State of New York, have invented certain Improvements in Combined Pen-and-Pencil Cases, of which the following is a specification, reference being had to the accompanying drawing.

My invention relates to an improved method of constructing combined pen-and-pencil cases; and consists in combining, in an extensible body or case, a pen-holder which may be slid out so as to protrude from one end, and a pencil so arranged that it is automatically shoved out and in by the act of extending and closing the body or case.

Figure 1 is a longitudinal section through my device when extended, on a scale of two to one. Fig. 2 is a side view of the same closed.

In constructing a pencil on my plan I first make an extensible case or body, consisting of a tube, A, and a second tube, B, arranged to slide therein; and to one end of the tube A I secure a head or cap, *a*, having a hole through its center for the passage of the pencil; and to the opposite end of the tube B secure a head or cap, *b*, provided with a crescent-shaped opening or slit, *c*, for the passage of the pen. Within the tube B I mount a sliding thimble, C, provided with a holder or socket to receive the pen D. I also provide the thimble with a pin, *d*, and the tube B with a straight longitudinal slot for said pin to slide in, as shown in Fig. 1, so that when the body is extended the pen may be shoved out through the end of the tube B or drawn back within the same by sliding the pin back and forth in the slot. When the case or body is closed—that is to say, the tube B shoved within the outer one—the slot and pin are covered and concealed from sight, so that dirt cannot enter through the slot when the case is carried in the pocket; but as the pin cannot be reached the pen can only be slid in and out when the case is extended. Within the outer tube or body A, to the head *a* of the same, I secure a long tube, E, for the purpose of supporting and guiding the pencil G which slides within it. The upper portion of the tube is provided with a straight slot,

e, which receives and guides a pin, *f*, on the pencil to prevent the latter from turning. Around the outside of the tube E there is mounted, in such manner that it cannot move endwise, a tube, H, provided with a spiral slot, *g*, into which the pin *f* of the pencil projects, as shown, so that by turning the tube H the pin *f* is moved in the slot *e* and the pencil moved in or out, according to the direction in which the tube is turned. The turning of the tube or sleeve H is accomplished by means of a pin or stud, *k*, on its upper end, which plays in a spiral slot, *m*, of a tube, J, which is rigidly secured to the head *b* of the inner portion or tube B of the body so as to be carried in and out therewith. When the body of the pencil is closed, by pushing the tube B inward its slotted tube J, acting upon pin *k*, turns the slotted tube or sleeve H, which draws the pencil inward; and when the body of the pencil is drawn out or extended the reverse operations take place and the pencil is automatically shoved out for use. Thus it will be seen that the acts of extending and closing the pen-case serve also to push the pencil in and out. In the outer end of the slotted tube J, I secure a lead box, M, the end of which projects through the head and has a cap or cover, *t*, screwed onto it.

It will be observed that the means of operating the pencil are the same as shown in my patent of March 21, 1871, and that the arrangement of the pen-holder is similar to that in the application more recently filed, and that I so combine the features of those two cases as to automatically extend the pencil by the act of extending the pen-tube, this case acting on the principle of the so-called "magic" pencil-case.

Having thus described my invention, what I claim is—

A combined pen-and-pencil case, constructed and arranged to operate substantially as described, whereby the extension of the pen-tube shall automatically project the pencil, as set forth.

WM. S. HICKS.

Witnesses:

FORMAN WHITNEY,
W. H. SEMBLER.

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