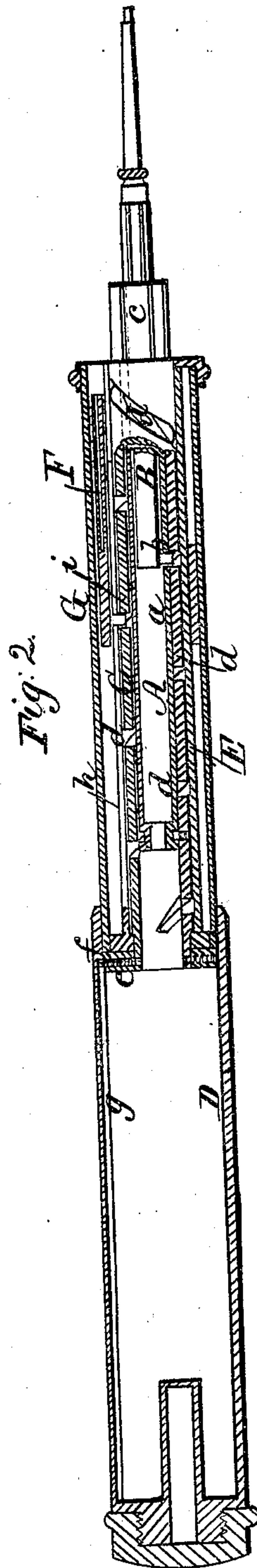
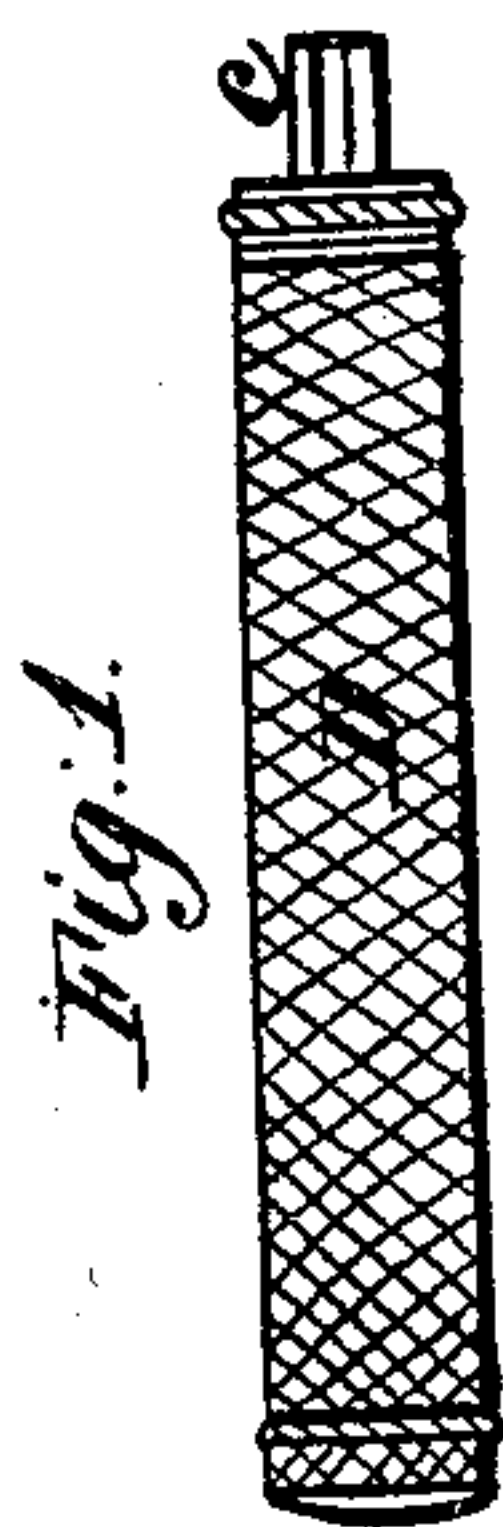


G. E. Frew.
Pen & Pencil Case.
N^o 29,432. Patented Jul. 31, 1860.



Witnesses

B. G. G. G.

Wm. J. G. G.

Inventor

Geo. E. Frew

UNITED STATES PATENT OFFICE.

GEORGE E. FREW, OF BROOKLYN, ASSIGNOR TO WM. AND JOHN RICHARDSON, OF NEW YORK, N. Y.

PEN AND PENCIL CASE.

Specification forming part of Letters Patent No. 29,432, dated July 31, 1860.

To all whom it may concern:

Be it known that I, GEORGE E. FREW, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Pen and Pencil Case; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is an external view of my invention in a closed state; Fig. 2, a longitudinal central section of same in an extended state.

Similar letters of reference indicate corresponding parts in the two figures.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A, Fig. 1, represents a tube in which a pencil-slide B is fitted and allowed to work freely, the tube A being slotted longitudinally, as shown at *a*, to allow a pin *b*, which is attached to the pencil-slide B, to pass through. The outer end of the tube A is provided with a knob *c*, the use of which will be presently shown. The tube A is encompassed by a spirally-slotted tube C, through the spiral slot *d* of which the pin *b* of the pencil-slide projects. The tube C is allowed to turn freely on the tube A, and the inner or back end of tube C is provided with a disk *e*, to which an extension-tube D is attached by a screw or pin *f*, the latter having its outer end fitted in an internal longitudinal slot *g* in tube D, by which the tube D is allowed to slide back and forth and the tube C made to turn with D.

E is a tube which is fitted over the spirally-slotted tube C, and is provided with a longitudinal slot *h*, through which the pin *i* of a pen-holder F projects into the spiral slot of the tube C. The tube E is encompassed by an external tube or case G, the front and back ends of which are attached to tube C. The extension-tube D slides over the tube or case G, and when the tube G is fully inclosed by D the case is closed or reduced to its smallest limits. (See Fig. 1.)

When it is desired to shove out the pencil-slide B, the knob *c* is grasped by the finger and the tube D turned. The turning of the tube D of course causes the spirally-slotted tube C to rotate, they being connected, as previously described, and the pencil-slide is shoved out by the action of the spiral slot *d* on the pin *b*. In order to draw inward the pencil-slide, the direction of the movement of the tube D is reversed, the fingers holding the knob *c* to prevent the rotation of the tube A.

When it is desired to shove out the pen-holder F, the tube D is turned and the tube G is held by the fingers. By this arrangement the tube E is held stationary and the tubes C A rotated. The pencil-slide B will therefore remain stationary, or will not be moved out from the case or tube E, but will turn with the tube C, while the spiral slot *d* will act against the pin *i* of the pen-holder and force the latter out from or draw it within the case, according to the direction in which tube D is turned.

From the above description it will be seen that a single spirally-slotted tube is only required to actuate both a pencil-slide and pen-holder, and that consequently but few parts are used, and a simple, efficient, and durable pen and pencil obtained.

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

The arrangement, as herein shown and described, of the spirally-slotted tube C, pencil-slide B upon the inside of tube C, and pen-holder tube E upon the outside of tube C, so that the same tube C and the same spiral slot will move both the pen and pencil in either direction, as required, all as set forth.

GEO. E. FREW.

Witnesses:

M. M. LIVINGSTON,
B. GIROUX.