

T. C. SPENCER.

PENHOLDER.

APPLICATION FILED JAN. 18, 1910.

970,859.

Patented Sept. 20, 1910.

Fig. 1.

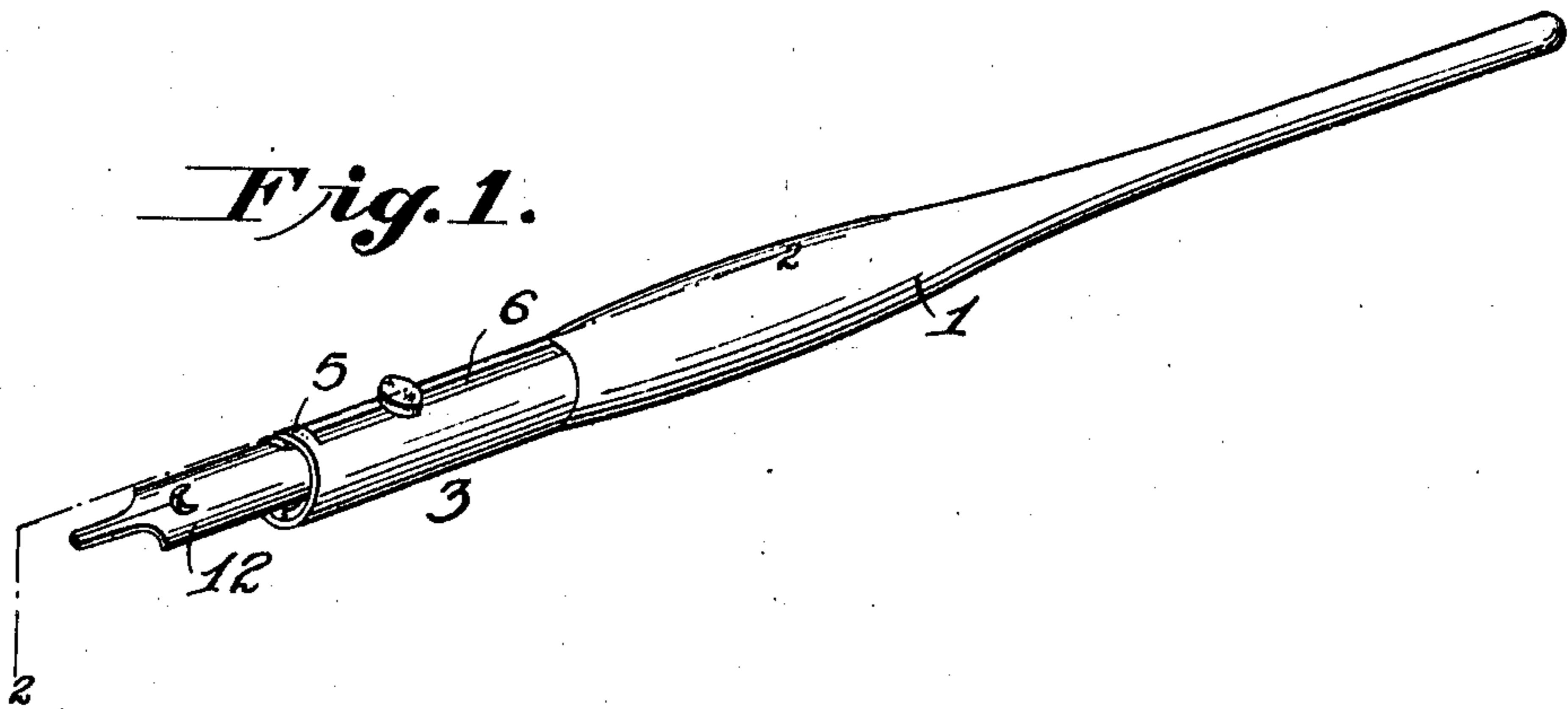


Fig. 2.

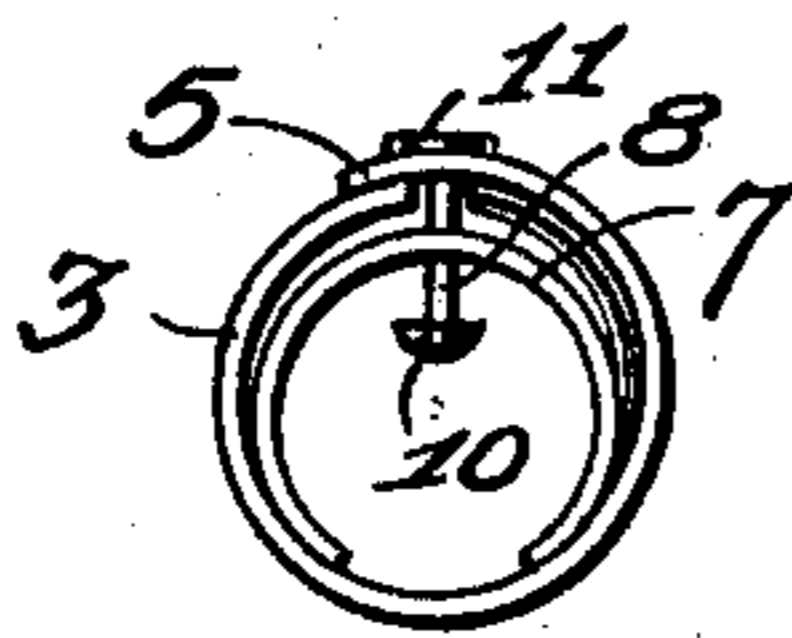
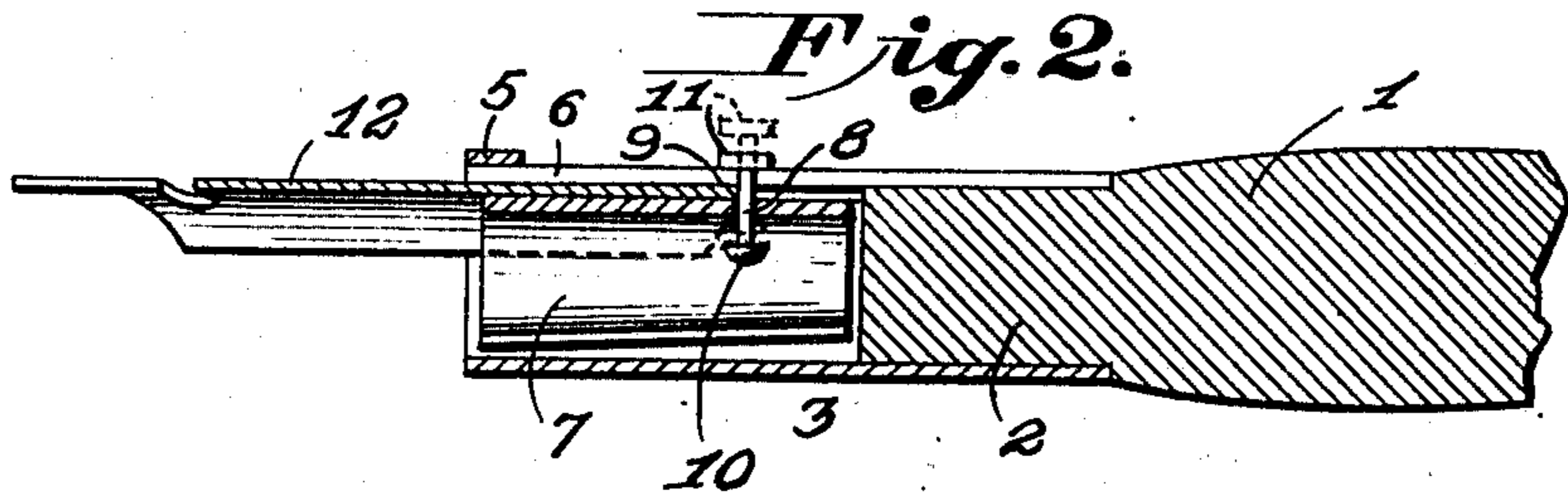


Fig. 3.

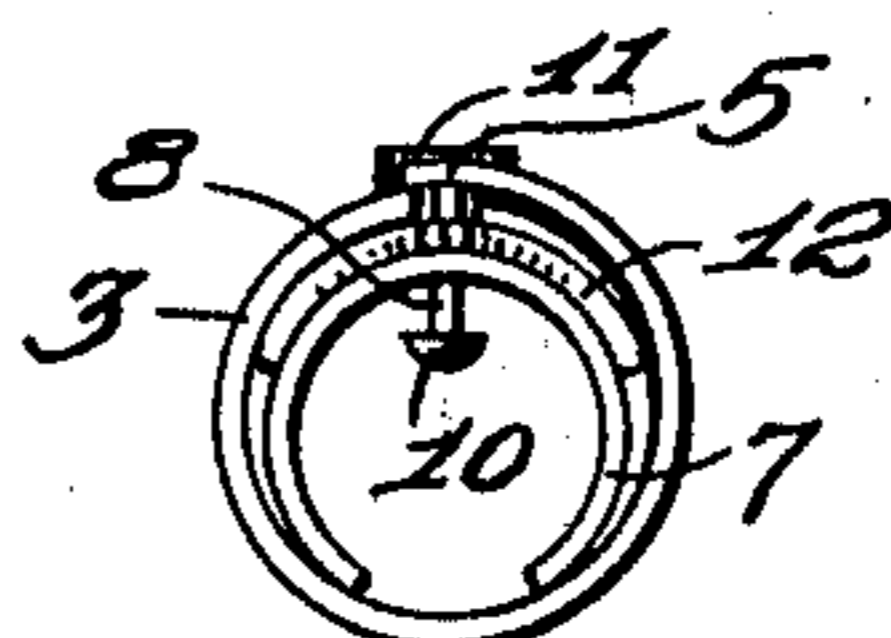


Fig. 4.

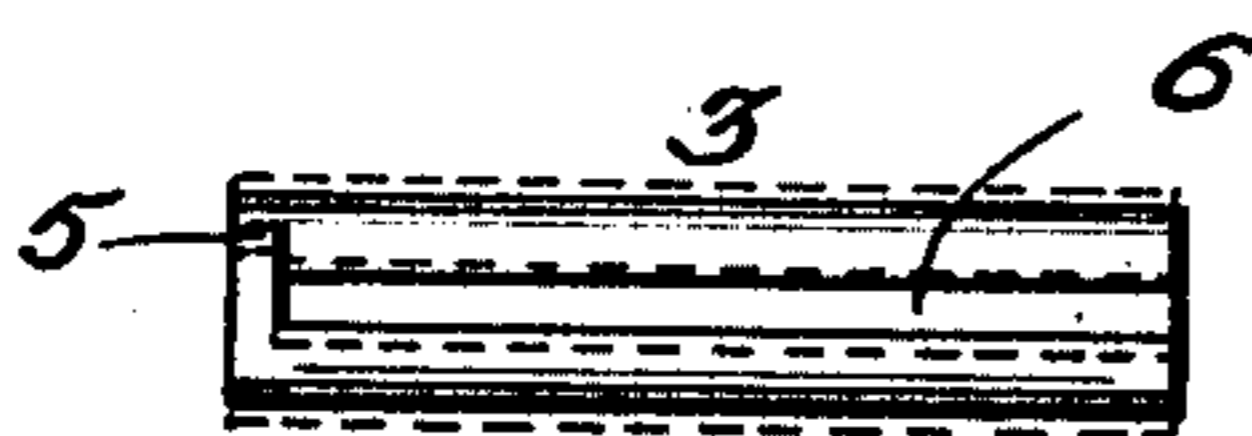


Fig. 5.

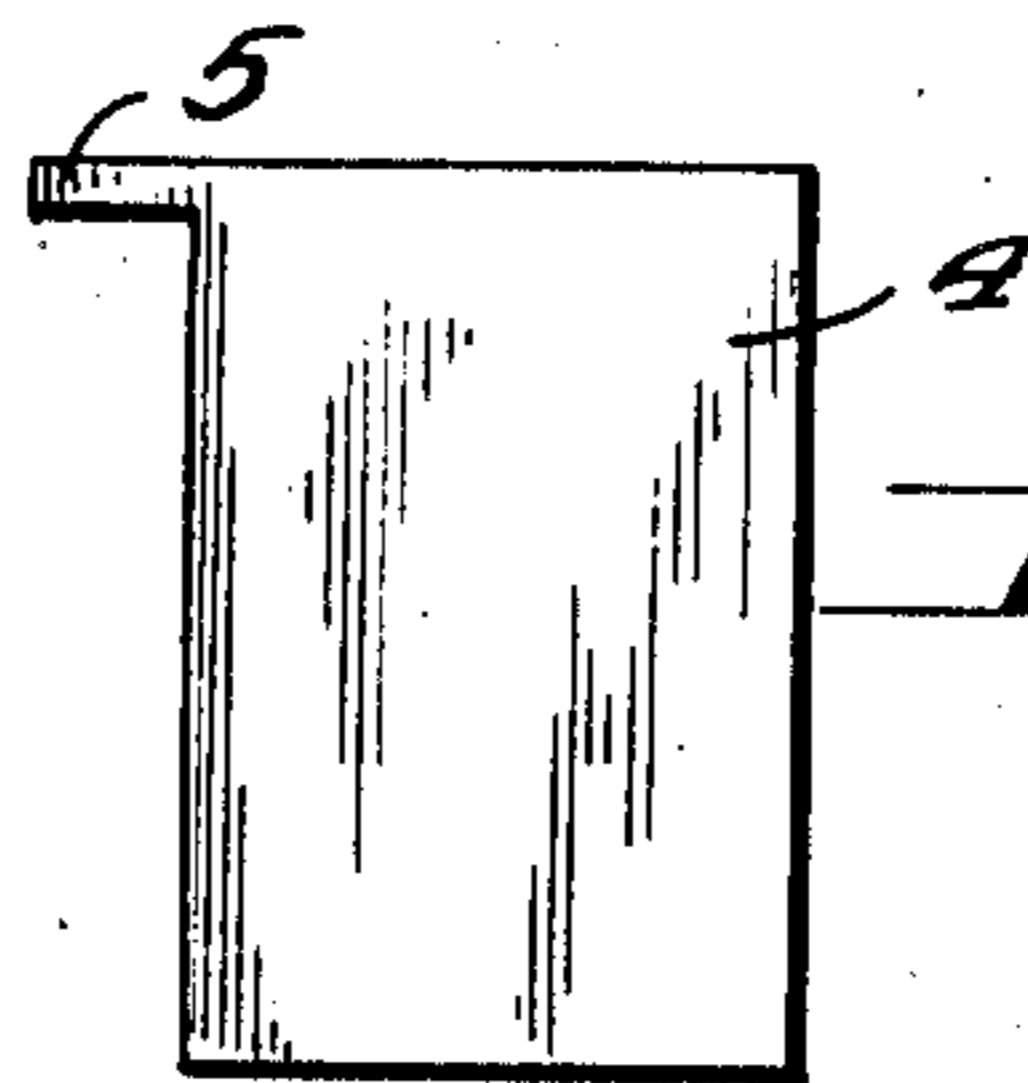


Fig. 6.

Witnesses

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UNITED STATES PATENT OFFICE.

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PENHOLDER.

970,859.

Specification of Letters Patent. Patented Sept. 20, 1910.

Application filed January 18, 1910. Serial No. 538,613.

To all whom it may concern:

Be it known that I, THOMAS C. SPENCER, a citizen of the United States, residing at We-wahitchka, in the county of Calhoun and State of Florida, have invented certain new and useful Improvements in Penholders, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to penholders and has special reference to that class of penholders in which means are provided for clamping the pen to the penholder and ejecting the pen.

15 The invention has for its object to provide a penholder of this kind which will be simple and economical in construction and very efficient in operation.

20 Other objects and advantages will be apparent from the following description, and it will be understood that modifications of the specific construction shown may be made without departing from the essential features of the invention.

25 Referring to the accompanying drawings: Figure 1 is a view in perspective of a penholder constructed according to this invention, showing the pen secured therein. Fig. 2 is an enlarged side view thereof, with a portion of the handle broken away in longitudinal section on line 2-2 of Fig. 1. Fig. 3 is a front end view of the device for clamping the pen, shown in position when the pen is not secured therein. Fig. 4 is a view similar to Fig. 3 showing the pen in clamped position. Fig. 5 is a detail plan view of the pen clamping sleeve detached from the handle, and Fig. 6 is a view of the blank from which the sleeve is formed.

40 In carrying out the invention (1) indicates the handle of the pen formed at its forward end with a reduced shouldered portion (2) on which is mounted the tubular sleeve (3) formed from a sheet metal blank (4), shown in Fig. 6. This sheet metal blank is provided at one end with a projection (5) consisting of a short narrow strip extending from one corner of the blank (4). The sleeve (3) is formed by rolling the blank (4) into a cylindrical or tubular shape, as shown in Fig. 5, the longitudinal edges of the sleeve being spaced apart from each other to form a longitudinal slot (6), and the projection (5) at one end of said sleeve overlapping the sleeve at its end.

When the sleeve (3) is mounted on the

handle (1) with the slot (6) on its upper side, within the sleeve (3) is loosely mounted a core (7) formed of a short tubular piece of sheet metal with its longitudinal edges spaced some distance apart, said core being preferably tapering in length, the narrow end of said core (7) being located at the inner end of said sleeve (3). A vertically movable pin (8) extends through a hole (9) in the upper side of the core (7) and also through the slot (6) and has a head (10) at its lower end and a head (11) at its upper end, the head (10) serving to limit the upward movement of the pin (8) and the head (11) serving as a finger piece to move the core (7) longitudinally back and forth in the sleeve (3). The head (11) normally rests on the top of the sleeve (3) and when it is desired to operate the core (7) the head (11) may be grasped by the fingers and raised. In its normal position the head (11) takes up little room and there is no projection extending out of the slot (6). When the pen (12) is inserted in the sleeve (3) above the core (7) it forces the core (7) downward so as to cause the core to press against the bottom of the sleeve (3) and the shank of the pen also presses up against the under side of the top of the sleeve (3) thereby causing the upper portion of the sleeve (3) to be forced apart. The projection or strip (5) moves over the portion of the sleeve (3) with which it overlaps owing to the spring action of the upper portion of the sleeve (3) and by the spring action of the sleeve the pen (12) will be firmly clamped against the core (7).

As shown in Fig. 2 the pin (8) serves as a stop for the shank of the pen abutting against the same. When it is desired to remove the pen (12) the pin (8) is raised by grasping the head (11) and lifting the pin (8) and then by pushing forward on the pin (8) the core (7) is moved forward and the pen (12) is ejected. It will be seen that the strip (5) serves as a stop to limit the forward movement of the pin (8).

It will be seen that by means of this invention the parts are simply constructed and that by means of their construction and arrangement the pen will be firmly clasped therein and may be readily ejected.

Having described the invention what I claim is—

1. In a device of the character described, a handle, a split resilient sleeve clamped to said handle and having its longitudinal

edges spaced apart to form a longitudinal slot and having a strip at one end overlapping said sleeve, a longitudinally movable core in said sleeve and a pin connected to said core and projecting through said slot and adapted to operate said core.

2. In a device of the character described, a handle, a split resilient sleeve clamped to said handle and having its longitudinal edges spaced apart to form a slot and having a transverse strip at one end overlapping said sleeve, a longitudinally movable core mounted in said sleeve and a vertically movable pin extending through said core and through said longitudinal slot in the sleeve and having a head at each end.

3. In a device of the character described, a handle, a split resilient sleeve clamped thereto and having its longitudinal edges spaced apart to form a longitudinal slot and having a transverse strip at one end overlapping the sleeve, a tubular core loosely mounted in said sleeve and having its longitudinal edges spaced apart and bearing against the inner side of the sleeve, and a vertically movable pin extending through one side of said core and through the longitu-

nal slot in said sleeve and having a head at each end.

4. In a device of the character described, a handle, a split resilient sleeve clamped thereto and having its longitudinal edges spaced apart to form a slot and having at one end a projecting strip overlapping the sleeve, a tapering tubular core longitudinally movable in said sleeve, and loosely mounted therein and normally spaced at its upper side from the top to the sleeve and having longitudinal edges spaced apart and resting on the bottom of the sleeve and a vertically movable finger piece consisting of a pin attached to and extending through one side of said core and through the slot in the sleeve and having a head at each end, said pin being normally in lowered position with its upper head resting against said longitudinal slot.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

THOMAS C. SPENCER.

Witnesses:

A. PICK HIGGINS,
G. W. RHODES.