B. GRIESHABER.

SELF FILLING FOUNTAIN PEN.

APPLICATION FILED AUG. 9, 1909.

956,895. Patented May 3, 1910.

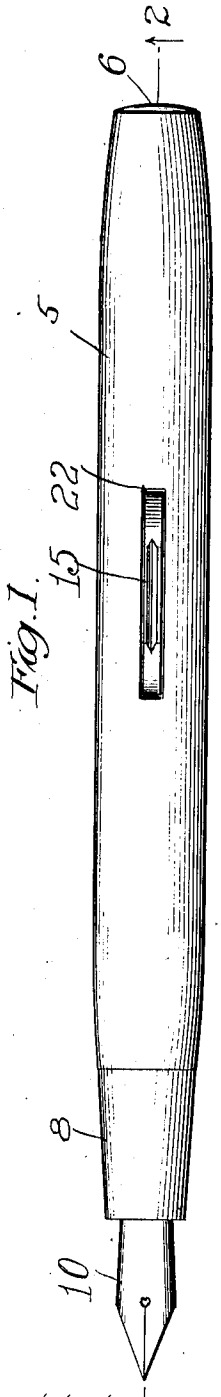

Fig. 1.

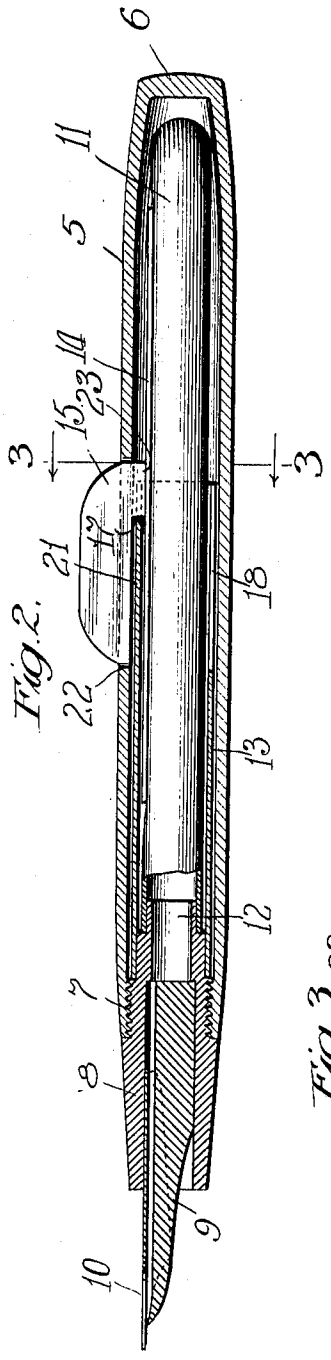

Fig. 2.

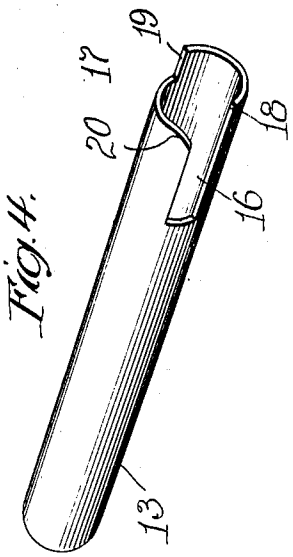

Fig. 4.

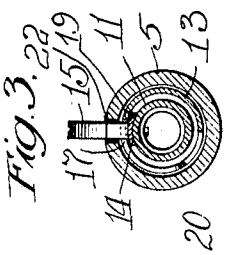

Fig. 3.

Witnesses
H. R. Lewis.
M. A. Riddle

Inventor
Benjamin Grieshaber
By Lothrop Coit & Fuller
Attys

UNITED STATES PATENT OFFICE.

BENJAMIN GRIESHABER, OF CHICAGO, ILLINOIS.

SELF-FILLING FOUNTAIN-PEN.

956,895. Specification of Letters Patent. Patented May 3, 1910.

Application filed August 9, 1909. Serial No. 511,873.

To all whom it may concern:

Be it known that I, BENJAMIN GRIESHABER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Self-Filling Fountain-Pens, of which the following is a specification.

The object of this invention is to provide a self filling fountain pen of simple and improved construction, comprising but few parts capable of being easily operated and which can be securely locked against accidental operation.

In the accompanying drawings illustrating the invention Figure 1 is a plan view of the pen. Fig. 2 is a longitudinal sectional view on the line 2—2 of Fig. 1. Fig. 3 is a transverse sectional view on the line 3—3 of Fig. 2. Fig. 4 is a detail perspective view of the sleeve.

Referring to the drawings, 5 is the barrel of the pen which is closed at one end 6 and open at the other end 7. A pen section 8 is screwed into the open end 7 of the barrel and the feed bar 9 and pen 10 are arranged in the pen section. These parts of my improved pen may be made in the manner illustrated in the drawings or in any other suitable manner and in combination with any other parts desired. The ink reservoir 11 consists of an elastic rubber sack which is arranged on the nipple 12 of the pen section 8. A sleeve 13 is also arranged on the pen section and it surrounds the ink reservoir for a portion of its length. A presser bar 14 somewhat shorter than the ink reservoir is arranged thereon within the sleeve 13 and this presser bar is provided with a finger piece 15. The free end of the sleeve has a narrow longitudinal slot 16 and a recess 17 which provide shoulders 18 and 19. The edge 20 of the sleeve at the recess is preferably curved slightly, as shown in Fig. 4. The finger piece is fastened to the presser bar at one end and its other end projects forwardly over the presser bar leaving a slot 21 between itself and the presser bar to receive that part of the end of the sleeve adjacent to the recess 17. The finger piece projects upward through a slot 22 in the barrel.

In practice the parts are assembled in the manner shown in the drawings and the presser bar is normally locked by engagement of the over-hanging part of the finger piece with the sleeve in front of the recess 17. To fill the pen the barrel is turned on the pen section and the parts connected thereto until the finger piece is opposite the slot 16 when the presser bar can be depressed by pressure applied to the finger piece to expel the air from the reservoir. The pen is then dipped into the ink supply and the pressure on the finger piece is released, whereupon the ink is sucked into the reservoir. Then the barrel and the presser bar are moved back to initial position and the pen is ready for use. The movement of the barrel and presser bar is limited by the shoulders or stops 18 and 19. The slot 16 in the sleeve is of sufficient length to permit the depression of the finger piece when the latter is alined with the slot. The parts are so constructed that between the edge 20 of the recess at the end of the sleeve and the opposite end of the slot 22 in the barrel there is just sufficient room in which the neck 23 of the finger piece may work freely and this construction prevents lengthwise movement of the presser bar and finger piece. When the finger piece abuts against the shoulder 19 the over-hanging part thereof projects over the end of the sleeve which extends in the slot 21 and prevents the presser bar and finger piece from being depressed, thereby effectually locking the presser bar. By turning the barrel rotatively relative to the pen section for a short distance the presser bar is unlocked, when the finger piece is alined with the slot and then the presser bar can be readily operated as heretofore described.

What I claim and desire to secure by Letters Patent is:

1. A self filling fountain pen comprising a barrel closed at one end and open at the other and having a slot disposed longitudinally between its ends, a pen section screw threaded into the open end of the barrel, a sleeve secured to the pen section within the barrel and projecting beneath said slot, stops on said sleeve, an elastic ink reservoir arranged within the barrel and fastened to the pen section, a presser bar adapted to operate upon said ink reservoir, and a finger-piece engaged with said presser-bar and projecting up through the slot in said barrel, whereby the finger-piece may be rotated with the barrel relatively to the sleeve, said rotation being limited by engagement of the finger-piece with the stops on the sleeve.

2. A self filling fountain pen comprising

a barrel closed at one end and open at the other end and having a longitudinal slot between said ends, a pen section screw-threaded in the open end of said barrel, a sleeve mounted on the pen section within the barrel, an elastic ink reservoir arranged within the sleeve and barrel and engaged with said pen section, a presser bar resting upon said ink reservoir and arranged partly within the sleeve, said sleeve having a longitudinal slot opening at the other end thereof and a recess adjacent to said end, and a finger piece on the presser bar projecting up through the slot in the barrel and arranged to operate in said recess and over-hang the adjacent portion of the sleeve to lock the presser bar against depression.

3. A self filling fountain pen comprising a pen section, a relatively rotatably movable barrel mounted on the pen section and provided with a longitudinal slot between its ends, a sleeve mounted on the pen section within the barrel and provided at its other end with a longitudinal slot and a recess adjacent to said slot, the walls of said recess and slot providing stops, an elastic ink reservoir arranged within the sleeve and barrel and mounted on the pen section, a presser bar resting on the ink reservoir and partly within the sleeve, and a finger piece projecting up through the slot in the barrel and fastened at one end to the presser bar to operate in said recess and slot of the sleeve, said presser bar, finger piece and barrel being rotatable between said stops to carry the finger piece into alinement with the slot in the sleeve and permit the presser bar to be depressed and into engagement with the sleeve opposite the recess to lock the presser bar.

BENJAMIN GRIESHABER.

Witnesses:
WM. O. BELT,
ELIZABETH MOLITOR.