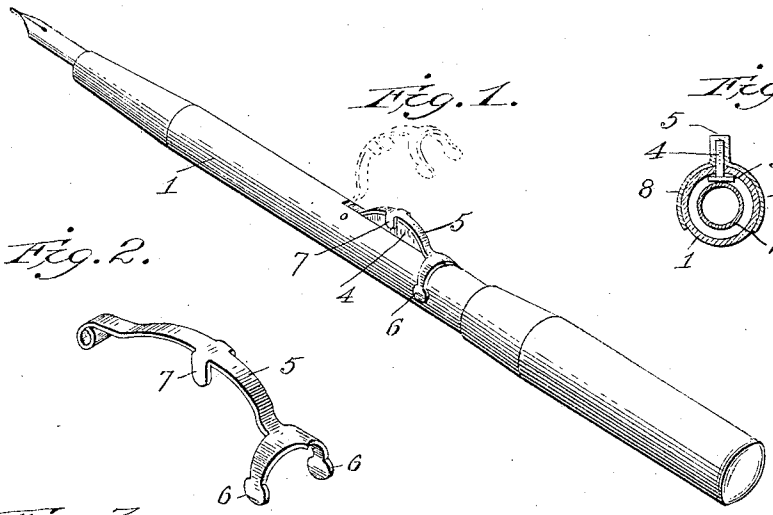
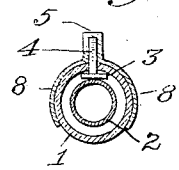
No. 799,777. PATENTED SEPT. 19, 1905.

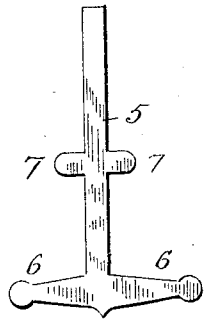
R. CONKLIN.

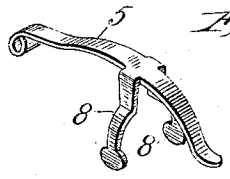
SELF FILLING FOUNTAIN PEN.

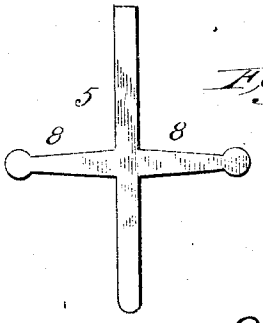
APPLICATION FILED APR. 3, 1905.











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UNITED STATES PATENT OFFICE.

ROY CONKLIN, OF TOLEDO, OHIO.

SELF-FILLING FOUNTAIN-PEN.

No. 799,777. Specification of Letters Patent. Patented Sept. 19, 1905.

Application filed April 3, 1905. Serial No. 253,393.

To all whom it may concern:

Be it known that I, ROY CONKLIN, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented new and useful Improvements in Self-Filling Fountain-Pens, of which the following is a specification.

This invention relates to fountain-pens, and its object is to improve the construction of that class of fountain-pens known as "self-filling"—such, for example, as the pen covered by my prior patent, No. 685,258, dated October 29, 1901. In that pen the ink-reservoir consists of a slender rubber bag inclosed in a rigid barrel or holder and communicating at one end with the pen-section. A presser-bar is laid along one side of the bag between it and the barrel, and a rib on the bar projects out through a slot in the barrel, so that by pressing on the rib the bag can be compressed. If when so compressed the pen is dipped into a supply of ink and the pressure on the rib is then relieved, the resiliency of the rubber bag causes it to resume its former expanded shape, and in so doing it sucks itself full of ink. A locking-ring passing through a slot in the rib is then turned to prevent accidental inward movement of the rib and presser-bar until it is desired to refill the pen.

The present invention consists in a substitute for the locking-ring passing through the slot in the rib. It is found in practice that sometimes the ring gets to working stiffly, so that when an attempt is made to turn it it breaks in two, or, on the other hand, it may become so loose as to work round into the unlocked position, so that when the pen is drawn from the pocket the ink is accidentally squirted out. Furthermore, the ring is expensive to make and somewhat difficult to fit. My invention aims to avoid these troubles by providing a guard which is attached to the barrel of the pen and lies over the rib. When the guard is in position, the rib cannot be pressed inward; but if the guard is turned back out of the way the rib is accessible for operation.

In the accompanying drawings, Figure 1 is a perspective view of a pen embodying my invention. Fig. 2 is a perspective view of the guard on a larger scale. Fig. 3 is a plan of the blank from which the guard is made. Fig. 4 is a perspective view of a modified form of guard. Fig. 5 shows the blank from which the latter is made. Fig. 6 is a cross-section of the pen, showing this modified guard in place.

The barrel 1 is of hard rubber or other rigid material. It incloses the usual elastic ink-reservoir 2 and the presser-bar 3 for compressing it. To the latter is attached the rib 4, which projects through a slot in the barrel. Mounted on the barrel adjacent to the rib is a guard which when in position overlies the rib and prevents it from being pressed inward. Various forms of this guard may be designed; but I have illustrated a form which I prefer. It is made of a strip of sheet metal and consists of an arch 5 fitting the shape of the rib and pivoted at one end to the barrel near one end of the rib. Its other end when in guarding position rests on the barrel adjacent to the other end of the rib. In order to retain it in this position, I prefer to provide this end of the guard with two arms 6, which extend partially around the barrel. By having them of such length as to pass slightly beyond the greatest diameter of the barrel they will spring into place and clasp it closely and cannot be withdrawn without a slight effort. This will prevent the guard from being accidentally displaced. To keep the guard in line with the rib, I prefer to provide it with small ears 7, which depend on each side of the rib at the or near the crown of the arch. In the position in which it is shown in Fig. 1 the guard effectually prevents any actuation of the rib; but by throwing it up into the position shown in dotted lines the rib is accessible for operation.

In the modification shown in Figs. 4, 5, and 6 the supporting and holding arms are combined with the ears, forming the legs 8, depending from the upper portion of the arch, passing down on each side of the rib, and springing over the barrel.

While I have shown and described a guard composed of a strip of sheet metal hinged to the barrel of the pen, yet I do not wish to be understood as limiting myself to this construction, my invention being broadly a guard overlying the rib in a pen of the class described and being removable from its guarding position for the purpose of giving access to the rib when it is desired to compress the elastic ink-reservoir.

Having thus described my invention, what I claim is—

1. In a self-filling fountain-pen having a compressible ink-reservoir and a presser-bar provided with a rib, a guard for said rib adapt-

ed to be brought over the same to prevent it from being operated, but removable from its guarding position when the rib is to be actuated.

2. In a self-filling fountain-pen, the combination with the barrel, of a movable rib projecting through the same, and a guard mounted on and carried by said barrel and independent of the usual removable cap which covers the pen-point, and adapted to be moved over and away from said rib, said guard protecting the rib when said rib is in its raised position.

3. In a self-filling fountain-pen, the combination with the barrel, of a movable rib projecting through the same, and a guard hinged to said barrel adjacent to one end of said rib and adapted to overlie said rib.

4. In a self-filling fountain-pen, the combination with the barrel, of a movable rib projecting through the same, and a guard mounted on and carried by said barrel and independent of the usual removable cap which covers the pen-point, and having depending portions extending down on each side of said rib, said guard protecting the rib when said rib is in its raised position.

5. In a self-filling fountain-pen, the combination with the barrel, of a movable rib projecting through the same, and an overlying guard mounted on and carried by said barrel and independent of the usual removable cap which covers the pen-point, and having portions extending down over the barrel, said guard protecting the rib when said rib is in its raised position.

6. In a self-filling fountain-pen, the combination with the barrel, of a movable rib projecting through the same, and a guard hinged to said barrel near one end of and adapted to overlie the rib and having depending portions adapted to pass down partly around said barrel.

7. In a self-filling fountain-pen, the combination with the barrel, of a movable rib projecting through the same, and a guard consisting of a strip of sheet metal hinged to said barrel at one end and passing over said rib, said guard having means for supporting and holding it in place.

8. In a self-filling fountain-pen, the combination with the barrel, of a movable rib projecting through the same, and a guard consisting of a strip of sheet metal hinged to said barrel near one end of said rib and passing over the same, and provided with depending portions which rest on the barrel, and extend partly around it so as to clasp the same.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROY CONKLIN.

Witnesses:
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