June 12, 1928. 1,673,579

L. MORRISON

LEVER FOR SELF FILLING FOUNTAIN PENS

Filed Oct. 29, 1927

Fig. 1.

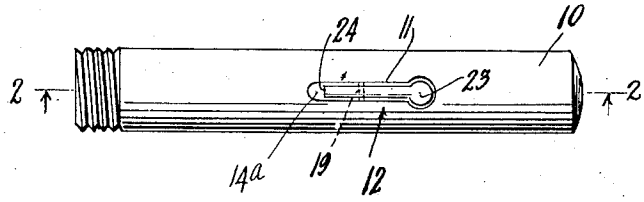


Fig. 2.

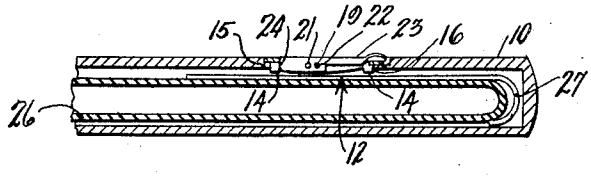


Fig. 3.

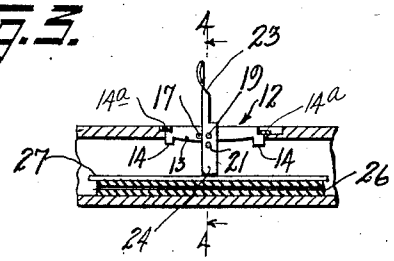


Fig. 6.

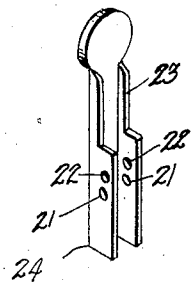


Fig. 5.

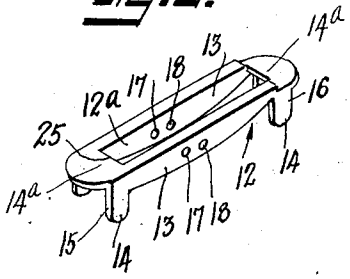
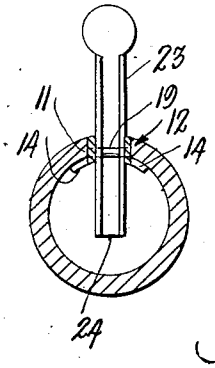


Fig. 4.



INVENTOR
Louis Morrison
BY
Maurice Block
ATTORNEY

Patented June 12, 1928. 1,673,579

UNITED STATES PATENT OFFICE.

LOUIS MORRISON, OF NEW YORK, N. Y.

LEVER FOR SELF-FILLING FOUNTAIN PENS.

Application filed October 29, 1927. Serial No. 229,549.

This invention relates to improvements in fountain pens, especially to that class of fountain pens known as the self-filler type. One of the chief objects of the invention is to provide such a fountain pen with a presser bar-lever adapted to be used for barrels of various sized diameters.

Another object of the invention is to provide a lining for such presser bar-levers that will coact with the rear end of the said lever to maintain same in frictionally closed or inoperative position.

A further object of the invention is to provide both the lever and lining therefor with means whereby a standard size of such parts may be maintained for fountain pens having various sizes of barrel diameters.

Another object is to produce a device of the character described in which the maximum simplicity of construction and operation is secured.

Other objects and advantages will appear as the nature of the improvements is better understood, the invention consisting substantially in the novel arrangement and co-relation of instrumentalities herein fully described, and illustrated in the accompanying drawings, wherein similar reference characters are used to describe corresponding parts throughout the several views, and then finally pointed out and specifically defined and indicated in the appended claims.

The disclosure made the basis of exemplifying the present inventive concept suggests a practical embodiment thereof, but the invention is not to be restricted to the exact details of this disclosure, and the latter, therefore, is to be understood from an illustrative, rather than a restrictive standpoint.

The inventive idea involved is capable of receiving a variety of mechanical expressions, one of which, for the purposes of illustration, is shown in the accompanying drawings, in which,

Figure 1 is a top plan view of a portion of a fountain pen showing my invention applied thereto,

Fig. 2 is a sectional view taken on line 2—2, Fig. 1,

Fig. 3 is a fragmental sectional view similar to that shown in Fig. 2, but with the lever in operated position,

Fig. 4 is a cross sectional view taken on line 4—4, Fig. 3, with some of the parts omitted.

Fig. 5 is a perspective view of the presser bar-lever lining, and

Fig. 6 is a similar view of the lever itself.

Referring now to the drawings in detail, 10 indicates a fountain pen barrel provided with a longitudinal slot 11 into which is fitted a lining 12. This lining 12 is preferably struck up of a single piece of sheet metal and is provided with side walls 13 having extensions or lugs 14 adapted when inserted into the slot 11, to be pressed back or opened up by a mandril to clamp the barrel 10. The edges 15 and 16 of the lugs act to position the lining in the slot 11 and prevent longitudinal movement thereof in the said slot. The side walls 13 are provided with sets of holes or openings 17 and 18 into either set of which may be inserted a pin 19 passing through similar sets of openings 21 and 22 in the side walls, a presser bar lever 23 to hingedly support same. The side walls of the said lever 23 fit snugly in an opening 12^a of the lining 12 so as to have a slightly frictional contact with the walls 13 of the said lining. The extreme bottom end 24 of the lever 23 also makes frictional contact with an edge 25 of the opening 12^a in the lining 12 and rounded sections 14^a connect the side walls 13 and rest in recessed portions of the pen barrel and prevent the lining and lever from falling into the barrel.

It is to be understood that for barrels of large diameter, the sets of openings 18 in the lining and the set of openings 22 in the lever will be used in mounting the said lever, and for barrels of smaller diameter, the sets of holes 17 and 21 will be used. The ink sack 26 and the presser bar 27 are of the usual type employed in fountain pens of this nature.

From the above it will be seen that I have provided a presser bar lever and mounting therefor of simple and efficient construction, one size of which may be used in different sized pen barrels, thus reducing the cost of dies and stock and always being certain of having the proper sizes on hand.

Having described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. In a self filler fountain pen having a slot extending longitudinally in the barrel thereof, a lining member in the slot provided with a plurality of sets of spaced openings, an ink sack in the barrel, a lever

provided with complementary sets of spaced openings in the side walls thereof, a pivot pin passing through a set of openings in the lining and a corresponding set of openings in the lever, and lugs bent back from the lining clamping the inner surface of the barrel at four points thereof.

2. In a self filler fountain pen having a slot extending longitudinally in the barrel thereof, a lining member in the slot, depending side walls on the lining provided with a plurality of sets of spaced openings, a lug at each end of the side walls bent back to engage the inner surface of the barrel, an ink sack in the barrel, a lever, depending side walls on the lever in frictional engagement with the side walls of the lining and provided with openings similarly spaced to the openings in the lining, and a pivot pin passing through a set of openings in the lining and a corresponding set of openings in the lever.

3. In a self filler fountain pen having a slot extending longitudinally in the barrel thereof, and recessed at the ends of the said slot, a lining having outwardly projecting portions resting in the said recesses, depending side walls on the lining provided with a plurality of sets of spaced openings, a lug projecting from each end of each of the side walls bent back to engage the inner surface of the barrel at four points thereof, a lever adapted to be swung beyond its vertical axis, depending side walls on the lever and in frictional engagement with the side walls of the lining and provided with openings similarly spaced to the openings in the lining, and a pivot pin passing through one set of openings in the lining and a corresponding set of openings in the lever.

In testimony whereof I hereunto affix my signature.

LOUIS MORRISON.