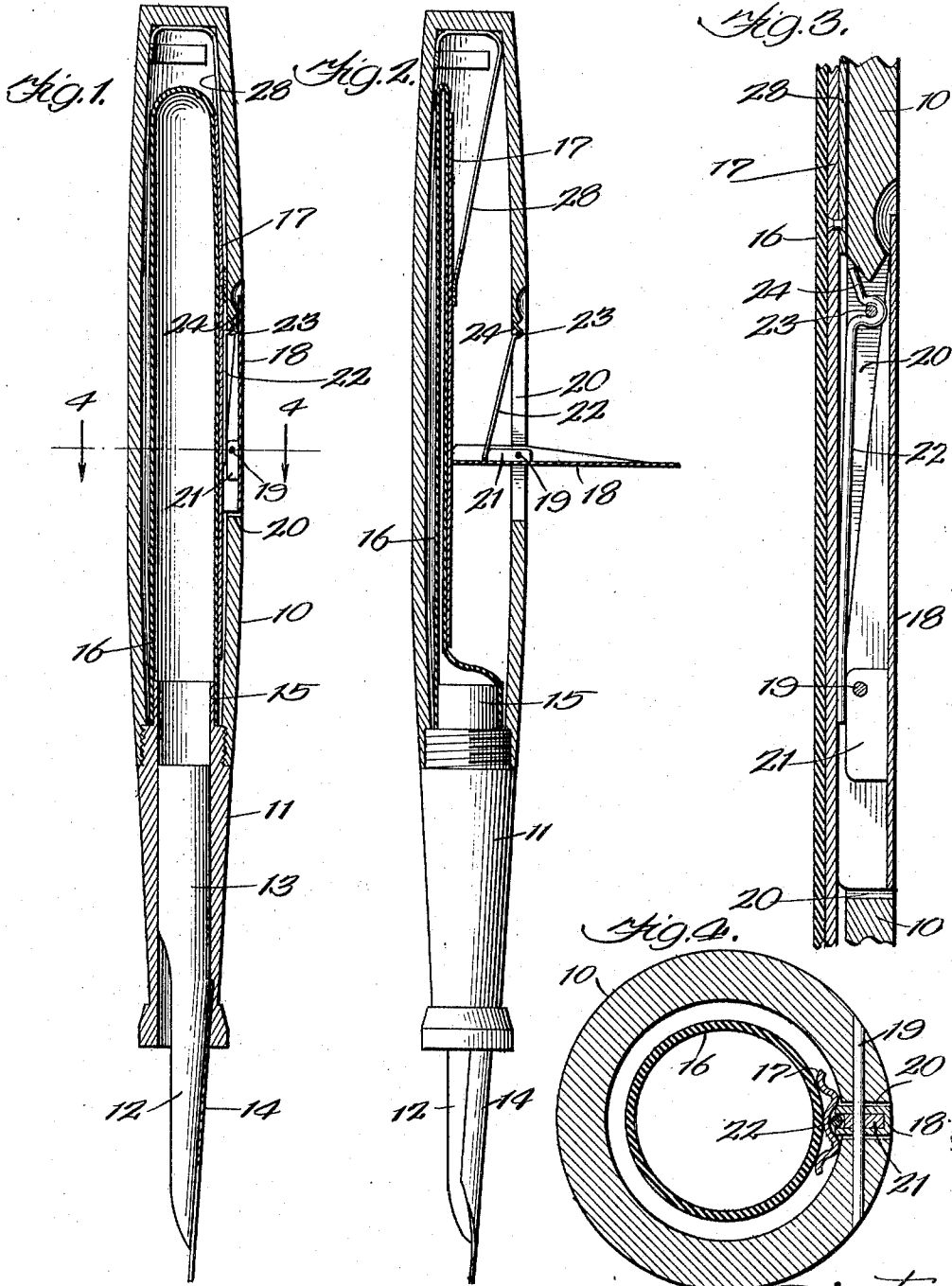


H. S. HASSELQUIST.
 FOUNTAIN PEN.
 APPLICATION FILED JUNE 25, 1917.

1,325,844.

Patented Dec. 23, 1919.



Inventor:
 Hugo S. Hasselquist.
 By Arthur H. Park, atty.

UNITED STATES PATENT OFFICE.

HUGO S. HASSELQUIST, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE WAHL COMPANY, OF WILMINGTON, DELAWARE, A CORPORATION OF DELAWARE.

FOUNTAIN-PEN.

1,325,844.

Specification of Letters Patent.

Patented Dec. 23, 1919.

Application filed June 25, 1917. Serial No. 176,815.

To all whom it may concern:

Be it known that I, HUGO S. HASSELQUIST, a citizen of the United States, and resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Fountain-Pens, of which the following is a specification.

My invention is an improved fountain pen, particularly of the class in which there is a rubber sack which is deflated by means of a presser bar actuated by a lever pivoted in the pen casing and the object of my invention is to provide an improved combined spring and stop for the lever actuating said presser bar.

My invention will be best understood by reference to the accompanying figures, of which—

Figure 1 is a longitudinal section of my improved pen showing the sack and the lever used to deflate the same in their normal positions;

Fig. 2 is a longitudinal section showing the lever operated and the sack deflated;

Fig. 3 is a detail of the mounting of the spring and lever, and

Fig. 4 is a section through the line 4—4 of Fig. 1.

Similar numbers of reference refer to like parts throughout all the figures.

Referring particularly to Figs. 1, 2 and 3, it will be seen that I have provided a pen casing 10, preferably made of hard rubber, into which is screwed a plug 11, serving as support for a feeding nib 12, having the usual ink channel 13 therein, and the pen nib 14. These parts are all well known in the art and it is not necessary to further describe them.

The rear end of the plug 11 is provided with a nipple 15, which serves as a support for the sack 16 serving to maintain the ink, and which is usually made of rubber or some elastic material. A presser bar 17 serves to deflate the sack when said bar is acted on by a lever 18, pivotally mounted in a slot 20 in the casing on a pin 19. The presser bar 17 is held in this position with respect to the casing by a spring 22, which is provided at its rear end with a mounting which frictionally engages the interior of said casing, thereby holding said spring and attached bar in its position. The spring mounted presser bar is old in the art, an in-

stance being shown in the patent to Hamilton, No. 781,649, of February 7, 1905.

The lever 18 is made of U section, and between the wings of the U is mounted a short block 21, which may be riveted to the lever or held in position in any suitable manner. Engaging with the block 21 is a spring 22, which is held in the slot 20 by a pin 23 and has a tail 24, which abuts against the end of the slot 20. The normal adjustment of the spring is such that when the parts are in the position shown in Fig. 3, the spring 22 will have a tension which, acting on the flat surface of the block 21, will hold the lever 18 securely in its closed position. When the lever 18 is thrown to its open position, as shown in Fig. 2, it is obvious that the spring 22 will act in conjunction with the inner edge of the block 21, and will serve the double purpose of holding the lever 18 securely in an open position and of providing a stop to prevent further motion of said lever.

The presser bar 17 is preferably made of corrugated section in its center (see Fig. 4) to provide a suitable bearing surface for the lever 18, thus preventing displacement of the bar when it is acted on by the lever.

Many changes and modifications may be made in the precise structure herein disclosed without departure from the spirit of my invention, since I claim:

1. In a fountain pen, the combination of a casing, a slot in said casing, a lever pivoted in said slot, a block mounted on said lever, and a spring, one end of which is mounted in the casing and the other end of which by its engagement with said block serves to maintain said lever firmly either in an open or closed position.

2. In a fountain pen, the combination of a pen casing, a lever pivoted in said casing, said lever having a U section, a block mounted within said section, and a spring, one end of which is mounted in said casing, and the other end by its engagement with said block serves to hold said lever firmly in either an open or closed position.

3. In a fountain pen, the combination of a casing, a slot in said casing, a pin in said slot, a spring mounted on said pin and having an abutting portion engaging said casing, a lever also pivoted in said slot,

and means carried by said lever and engaging the free end of said spring to hold said lever firmly in an open or closed position.

- 5 4. In a fountain pen, the combination of a casing, a slot in said casing, a pin in said slot, a lever pivotally mounted in said slot,

a spring-actuated presser bar adapted to be operated by said lever, and means mounted on said pin to firmly hold said lever in 10 either its open or closed position.

In witness whereof I have hereunto subscribed my name.

HUGO S. HASSELQUIST.