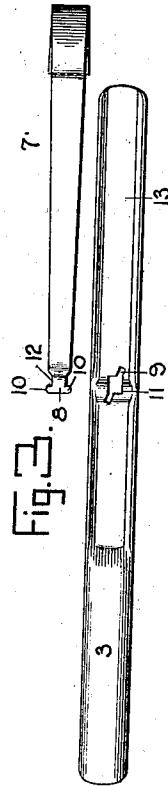
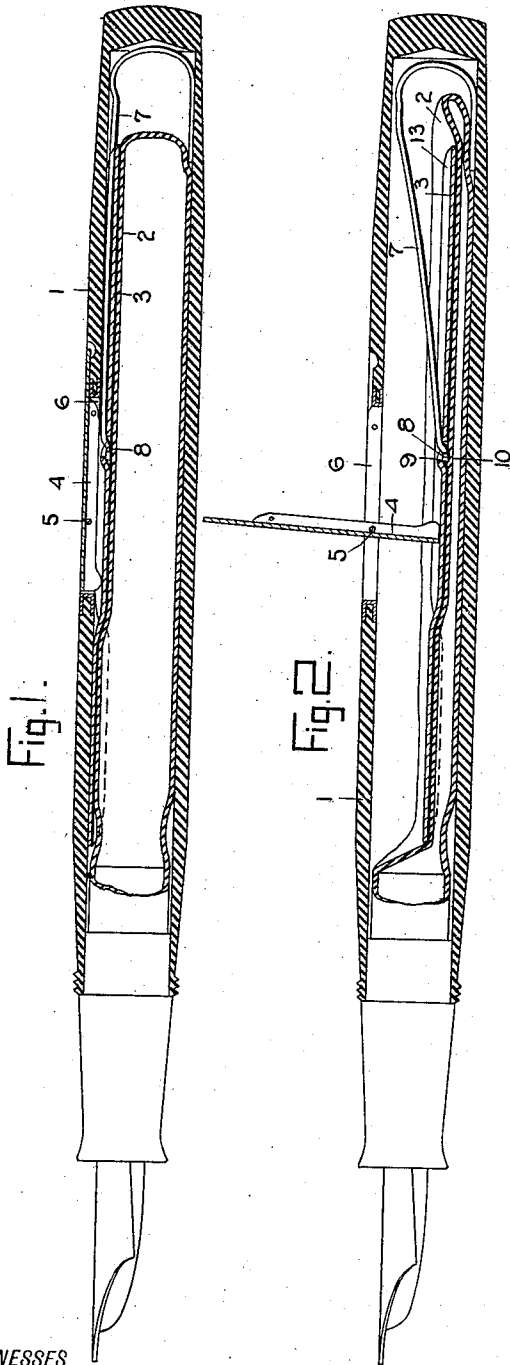


E. F. BRITTEN, JR.  
 SPRING AND PRESSER BAR FOR FOUNTAIN PENS.  
 APPLICATION FILED MAR. 19, 1915.

1,156,748.

Patented Oct. 12, 1915.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

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SPRING AND PRESSER-BAR FOR FOUNTAIN-PENS.

1,156,748.

Specification of Letters Patent.

Patented Oct. 12, 1915.

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To all whom it may concern:

Be it known that I, EDWIN F. BRITTEN, Jr., a citizen of the United States, and a resident of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and Improved Spring and Presser-Bar for Fountain-Pens, of which the following is a full, clear, and exact description.

This invention relates to fountain pens of that type in which the writing fluid is contained in a sack in the barrel of the pen, and the invention has to deal more particularly with the sack presser bar and return spring therefor.

The invention has for its general objects to improve and simplify the construction of presser bars and springs for fountain pens so as to be reliable and efficient in use, comparatively simple and inexpensive to manufacture, and so designed that the spring and presser bar can be easily and quickly connected.

A more specific object of the invention is the provision of novel connecting means between the forward extremity of the return spring and the intermediate portion of the presser bar, the connection being pivotal, whereby the spring does not interfere with the presser bar being uniformly pressed against any sack at all points, and furthermore, the spring and presser bar have detachably connected interlocking parts so that the riveting of the spring and bar with the attendant disadvantages are overcome.

With such objects in view, and others which will appear as the description proceeds, the invention comprises various novel features of construction and arrangement of parts which will be set forth with particularity in the following description and claims appended hereto.

In the accompanying drawing, which illustrates one embodiment of the invention, and wherein similar characters of reference indicate corresponding parts in all the views, Figure 1 is a longitudinal section of a fountain pen with the presser bar and its return spring in normal position; Fig. 2 is a similar view showing the presser bar completely depressed; and Fig. 3 is a plan view of the presser bar and spring before the same are connected.

Referring to the drawing, 1 designates the barrel of a fountain pen, which barrel houses an ink-containing resilient sack 2

that is adapted to be compressed by a presser bar 3 which extends substantially the length of the sack, such presser bar being depressed in any suitable manner, as, for instance, by a lever 4 fulcrumed at 5 in a longitudinal slot 6 provided in the barrel of the pen. When the lever 4 is restored to normal position, as shown in Fig. 1, from the position shown in Fig. 2, the presser bar is restored by means of the return spring 7 disposed in the butt end of the barrel. The forward or free end of the spring is formed into a T-shaped hinge element 8 which is adapted to enter an obliquely disposed slot 9 in the presser bar 3. This slot 9 is long enough to accommodate the laterally projecting lugs 10, and the intermediate portion of the slot is enlarged at 11 into a rectangular opening to receive the tongue 12 of the extremity 8. This extremity 8 is slightly offset from the straight portion of the spring 7, and the presser bar is raised at the slot so as to accommodate the extension 8 which lies within the hollow formed on the under side of the presser bar by the said raised portion. The presser bar is provided with a channel 13 on its upper side so that the flat portion of the spring will lie in the plane of the presser bar when the latter is in normal position. In connecting the parts the spring is held approximately at right-angles to the presser bar and with the flat faces of the straight portion of the spring at an angle to the length of the presser bar, so that the extremity 8 of the spring can be entered in the slot 9. After the extremity 8 is entered the spring is turned so that the lugs 10 will be disposed transversely to the slot 9. When the spring and presser bar are inserted in a barrel they can never assume a position whereby they can be accidentally disconnected. This joint between the presser bar is pivotal, and as a consequence the presser bar can be pressed to the same extent at each end when the lever 4 is operated, which is not the case when the spring and presser bar are riveted together, as the spring tends to hold the rear portion of the presser bar raised.

From the foregoing description taken in connection with the accompanying drawing, the advantages of the construction and method of operation will be readily understood by those skilled in the art to which the invention appertains, and while I have

described the principle of operation, together with the device which I now consider to be the best embodiment thereof, I desire to have it understood that the device shown is merely illustrative and that such changes may be made when desired as fall within the scope of the appended claims.

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

1. A fountain pen comprising a barrel, an ink-containing sack therein, a presser bar element for the sack, a return spring element for the presser bar, and a pivotal connection between the said elements, said connection comprising a member on one element and a slot in the other element in which the member interlocks.

2. A fountain pen including a barrel, an ink-containing sack in the barrel, a presser bar for compressing the sack, and a return spring for the presser bar, said return spring including a T-shaped extremity, and

the presser bar having means with which the T-shaped extremity interlocks for pivotally connecting the presser bar and spring.

3. A fountain pen including a barrel, an ink-containing sack in the barrel, a presser bar having intermediate its ends a slot disposed obliquely to the length of the bar, and a spring having a T-shaped extremity engaged in the slot to pivotally connect the bar and spring.

4. A presser bar for a fountain pen, and a return spring having its extremity detachably and pivotally connected with the presser bar at a point intermediate the ends of the latter.

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

EDWIN F. BRITTEN, JR.

Witnesses:

IRVING E. JENNINGS,  
THOMAS H. ADAMS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."