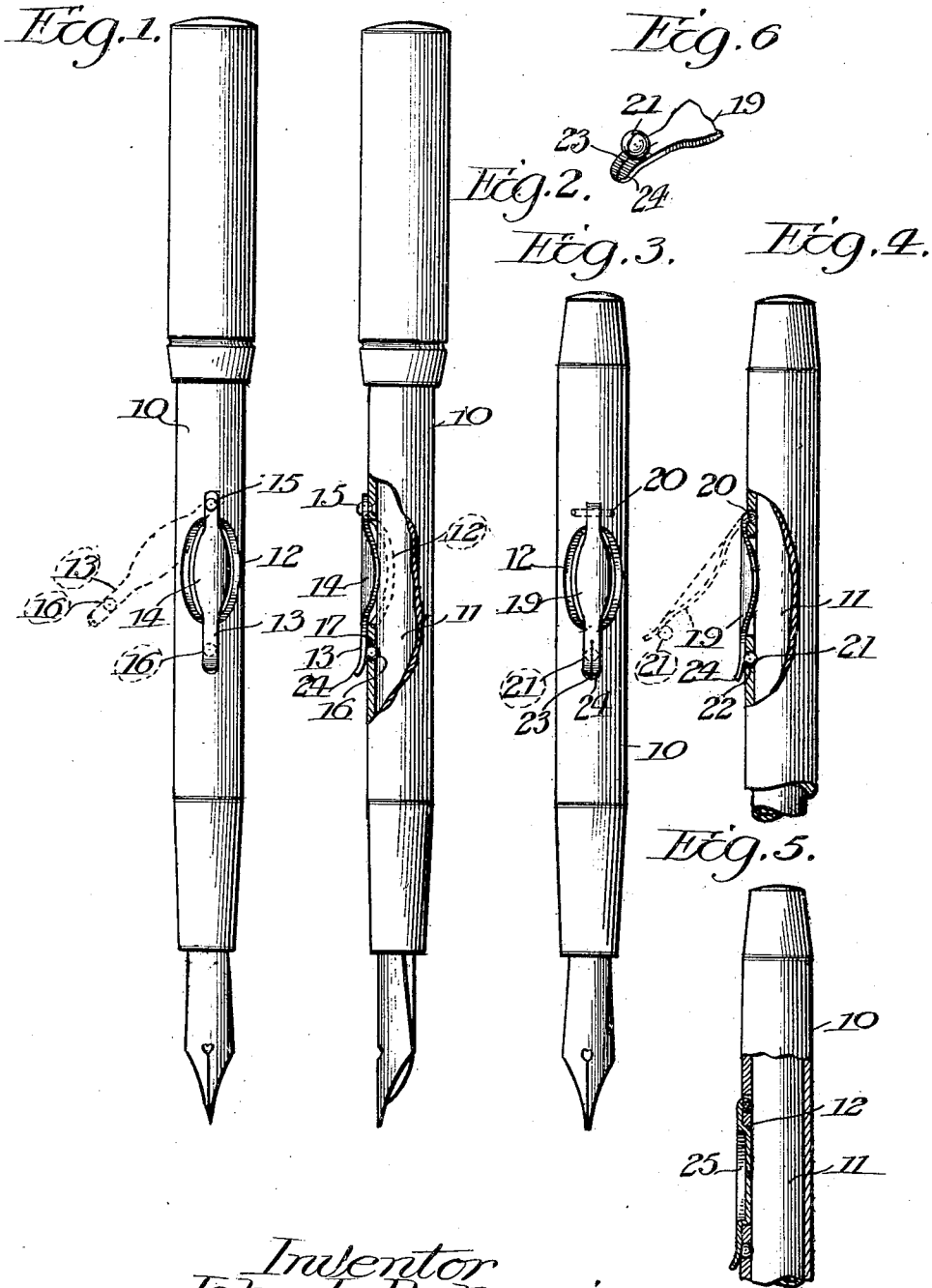


J. L. DE MARIA.
FOUNTAIN PEN ATTACHMENT.
APPLICATION FILED JUNE 17, 1918.

1,372,011.

Patented Mar. 22, 1921.



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UNITED STATES PATENT OFFICE.

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FOUNTAIN-PEN ATTACHMENT.

1,372,011.

Specification of Letters Patent.

Patented Mar. 22, 1921.

Application filed June 17, 1918. Serial No. 240,352.

To all whom it may concern:

Be it known that I, JOHN L. DE MARIA, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Fountain-Pen Attachments, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

The invention relates to fountain pen attachments, and primarily to that type of these devices which has as its object the prevention of the accidental discharge of the container for self filling fountain pens which ordinarily is of a compressible and expandible character.

It is a further object of the invention to produce an arrangement for this purpose which is easily manipulated to expose the fluid container so that the same may be operated to refill the same, and which is securely held in place with relation to the barrel of the fountain pen until manipulated for the purpose described.

The invention has as a further object the production of a device of this character which is extremely simple and efficient in operation, and durable in construction.

The construction of the invention as illustrated in the drawings will be explained in detail with reference to the accompanying drawings, in which—

Figure 1 is a front elevation of a fountain pen having the device applied thereto;

Fig. 2 is a side elevation partially in section of the device shown in Fig. 1;

Fig. 3 is a front elevation of another structure;

Fig. 4 is a side elevation of the structure shown in Fig. 3; and

Fig. 5 is another modified form of device.

Fig. 6 is a perspective view of an end of the under side of a bar, showing in detail a releasable holding means which is applicable to either of the structures shown in the drawings.

In the embodiment of the invention as shown in the drawings, same is shown as applied to and cooperating with a fountain pen barrel 10 within which is confined a sack 11 for the writing fluid. This barrel 10 has an aperture 12 which in some instances is unguarded and exposes the sack 11 to objects

which may accidentally compress the same and cause the discharge of the writing fluid which it contains. To prevent the possibility of this accidental discharge and provide an arrangement which can easily be manipulated to afford access to the sack, I utilize an arrangement which is hingedly secured to the barrel of the pen and which may be swung from its operative position over the aperture to its inoperative position at one side thereof, the last named position permitting of access to the sack to permit it to be refilled.

This device as illustrated in Figs. 1 and 2 comprises a bar 13 which has that portion thereof between its ends enlarged as illustrated at 14 to close the aperture 12. This portion in addition to closing the aperture provides a suitable portion upon which may be inscribed a monogram or other suitable ornamentation. The bar generally designated 13 is pivotally attached to the barrel 10 by the rivet 15 which permits the bar to be swung to one side of the aperture. The opposite end of this bar 13 is provided with a knob or extension 16 which extends into an aperture 17 when the bar is in position to guard the aperture 12. This extension, aperture and pivotal connection or rivet 15 cooperate to hold the bar 13 in position against removal by any sidewise movement and demand that the projection 16 be lifted away from the aperture 17 before the bar can be moved. The bar 13 is made of any suitable material of sufficient resiliency to permit the end having the enlargement to be sprung into and out of engagement with the aperture 17.

In the structure of the invention shown in Figs. 2 and 3 the bar 19 has an enlargement similar in form and function to the enlargement 14. In this embodiment the bar 19 is pivoted to swing upwardly instead of sidewise and is pivoted by the pin 20 which is passed through the barrel of the penholder transversely to the axis thereof. The arrangement permits the bar 19 to be moved in directions at right angles to the bar shown in Figs. 1 and 2. The end of this bar 19 remote from the hinged end is also provided with a knob or extension 21 which cooperates with an aperture 22 in the barrel. This end of said bar is split, as is the knob, as shown at 23, which forms a spring clasp to

securely but removably hold this end in position with relation to the barrel.

I desire to have it understood that this last named construction of the end may be applied to either of the devices shown in the drawings.

The ends of these bars at that end which is provided with the holding means may be formed so as to permit of their engagement by the finger nail or other means to more readily allow of its disconnection from the barrel of the pen holder. To facilitate this these ends may be bent or otherwise formed so as to leave a space between the end of the bar and the barrel as indicated at 24 in Figs. 2 and 4.

In the structure illustrated in Fig. 5 the enlarged portion 25 is formed so that it extends downwardly into the opening or aperture 12. From the foregoing explanation it can readily be seen that a simple, inexpensive, yet efficient arrangement is provided whereby the sack is guarded against accidental discharge and which may be

readily exposed when necessity demands the sack to be filled.

Having thus described the preferred embodiment of the invention it is obvious that changes and modifications may be resorted to without departing from the scope of the appended claim.

What I claim as my invention is:

In a device of the character described, the combination of a fountain barrel, an aperture provided in said barrel, a bar arranged lengthwise of the barrel across the aperture, said bar being pivotally secured at one end to the barrel, the opposite end of the bar having means whereby it is secured against movement with respect to the barrel, an aperture provided in the barrel for the reception of said means, said bar being resilient to permit said means to be sprung into and out of engagement with said aperture.

In witness whereof, I hereunto subscribe my name this 4th day of June A. D., 1918.

JOHN L. DE MARIA.