No. 835,267. PATENTED NOV. 6, 1906.

J. ULLRICH.

SELF FILLING FOUNTAIN PEN.

APPLICATION FILED APR. 9, 1906.

Fig. 1.

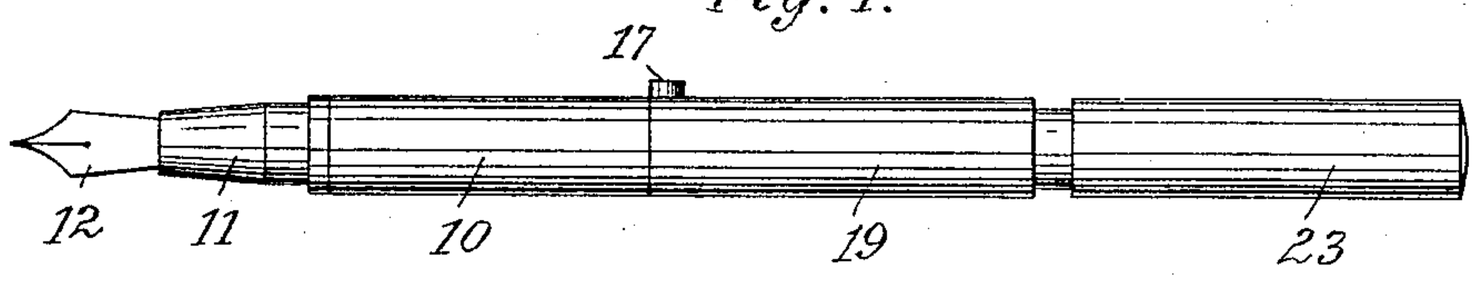


Fig. 2.

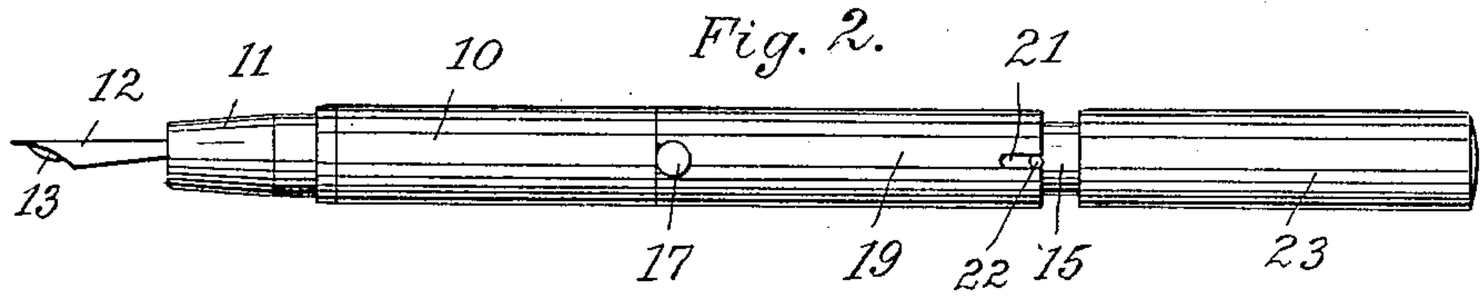


Fig. 3.

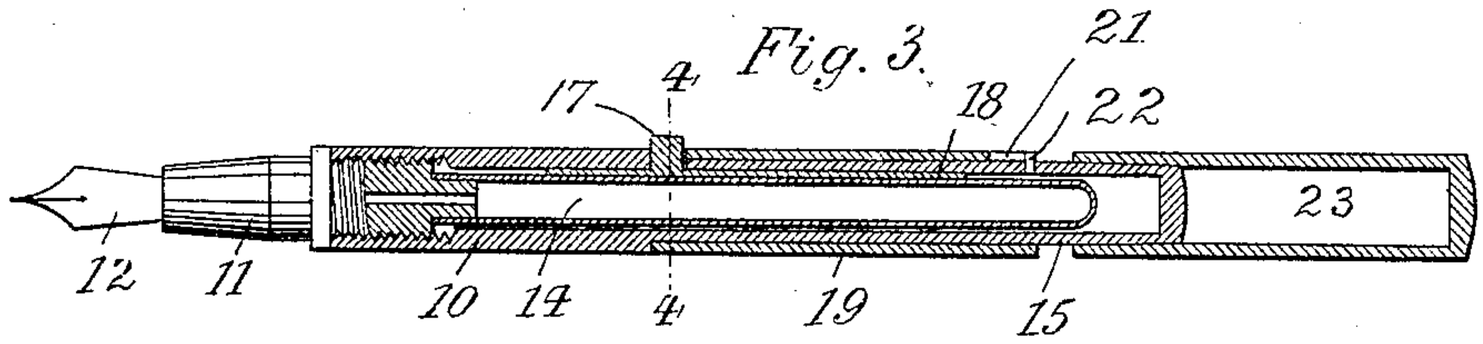


Fig. 4.

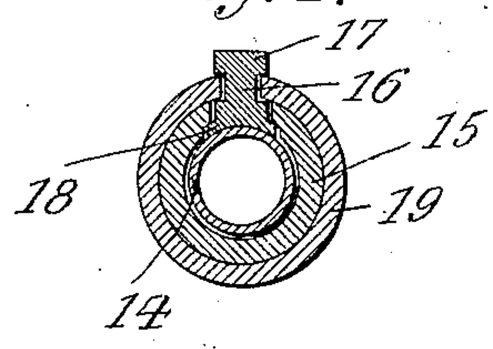


Fig. 5.

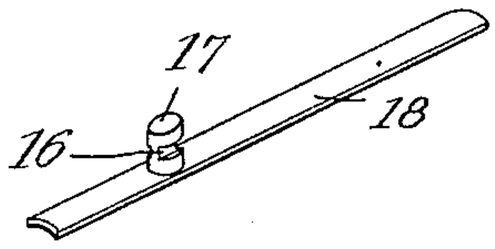
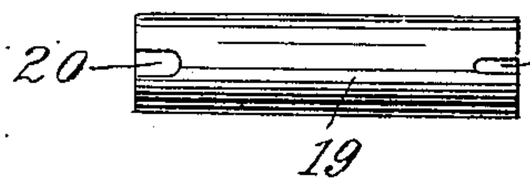


Fig. 6.



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UNITED STATES PATENT OFFICE.

JACOB ULLRICH, OF HOBOKEN, NEW JERSEY.

SELF-FILLING FOUNTAIN-PEN.

No. 835,267. Specification of Letters Patent. Patented Nov. 6, 1906.

Application filed April 9, 1906. Serial No. 310,592.

To all whom it may concern:

Be it known that I, JACOB ULLRICH, a citizen of the United States, residing at Hoboken, Hudson county, State of New Jersey, have invented new and useful Improvements in Self-Filling Fountain-Pens, of which the following is a specification.

This invention relates to an improved self-filling fountain-pen, and more particularly to improved means for manipulating and locking the presser-bar that serves to compress the ink-containing bag.

In the accompanying drawings, Figure 1 is a plan of my improved fountain-pen; Fig. 2, a side view thereof; Fig. 3, a longitudinal section, partly in elevation; Fig. 4, an enlarged cross-section on line 4 4, Fig. 3; Fig. 5, a detail of the presser-bar, and Fig. 6 a detail of the locking-sleeve.

Into the hollow handle 10 is screwed the pen-section 11, carrying the pen-point 12 and feed-tongue 13, as usual. The inner reduced end of pen-section 11 is engaged by the elastic ink-bag 14, contained within handle 10. The rear end of handle 10 is reduced in diameter, as at 15, and this reduced end is perforated at its front to accommodate the notched shank 16 of a push-pin, headed as at 17. The inner end of pin 16 carries the presser-bar 18, arranged within handle 10 and extending along a portion of bag 14. The rear reduced section 15 of handle 10 is embraced by a tubular axially-movable locking-sleeve 19, having a forward slot 20 and a rear slot 21. Of these the forward slot 20 is adapted to grasp the notched shank 16 of the push-pin below head 17 when the sleeve is pushed forward, to thereby lock the pin in position. The rear slot 21 receives a guide-pin 22 of handle-section 15 and serves to guide sleeve 19 axially along the handle, so as to insure an engagement of slot 20 with pin 16 when the sleeve is pushed forwward. The back of the handle carries the usual reversible cap 23.

Normally the sleeve 19 is pushed forward to lock the push-pin against movement, and thereby prevent accidental discharge of the ink. For refilling the sleeve is moved back to release the push-pin, and when the pen-point is dipped into an ink-well and the push-pin forced inward to compress bag 14 by bar 18 the ink will be drawn into the former in the usual manner.

The advantage of my construction is that accidental discharge of ink is avoided, that no objectionable projections are formed on the handle, and that the appearance of the penholder is not impaired by the refilling mechanism.

What I claim is—

1. A fountain-pen provided with a hollow handle, an inclosed flexible ink-bag, a presser-bar engaging said ink-bag, an outwardly-extending push-pin on said presser-bar, and a tubular sleeve axially slidable on the handle and having a forward slot adapted to engage the push-pin, substantially as specified.

2. A fountain-pen provided with a hollow handle, an inclosed flexible ink-bag, a presser-bar engaging said ink-bag, an outwardly-extending push-pin on said presser-bar, a tubular sleeve axially slidable on the handle and having a forward slot adapted to engage the push-pin, and means for guiding the sleeve axially upon the handle, substantially as specified.

3. A fountain-pen provided with a hollow handle having a reduced rear section, a guide-pin on said section, a flexible ink-bag within the handle, a presser-bar engaging the said ink-bag, an outwardly-extending push-pin on said presser-bar, a tubular sleeve slidable on the reduced handle-section and having a forward slot adapted to engage the push-pin, and a rear slot adapted to engage the guide-pin substantially as specified.

Signed by me at New York city, (Manhattan,) New York, this 7th day of April, 1906.

JACOB ULLRICH.

Witnesses:

WILLIAM SCHULZ,

FRANK V. BRIESEN.