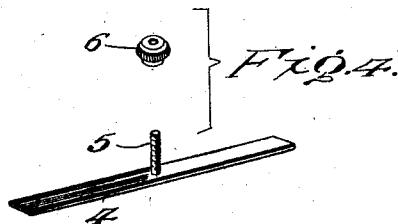
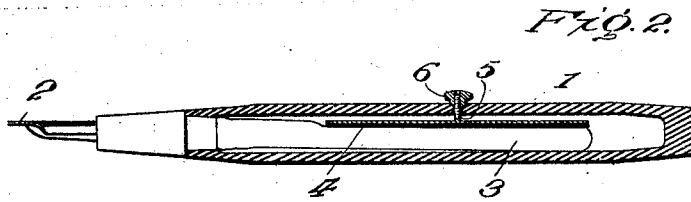
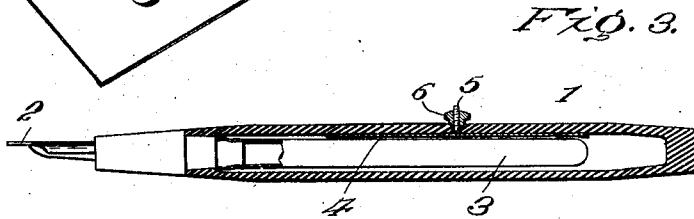
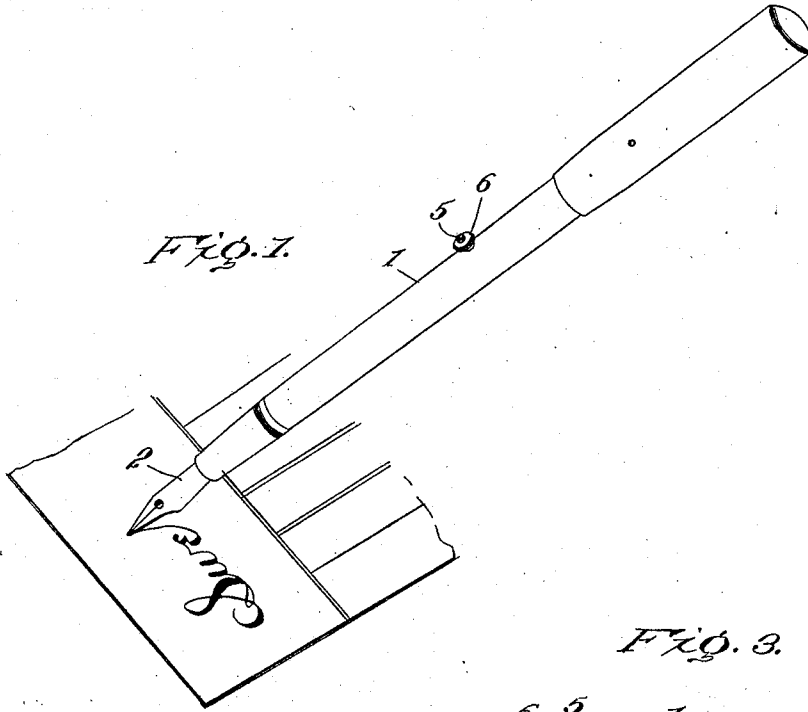


No. 823,975.

PATENTED JUNE 19, 1906.

H. B. SMITH.
DEVICE FOR FILLING FOUNTAIN PENS.
APPLICATION FILED AUG. 7, 1905.



Witnesses

Wm. H. Smith
Wm. H. Woodson

By

H. B. Smith

Inventor

Harry B. Smith,

Attorney S.

UNITED STATES PATENT OFFICE.

HARRY B. SMITH, OF JANESVILLE, WISCONSIN.

DEVICE FOR FILLING FOUNTAIN-PENS.

No. 823,975.

Specification of Letters Patent.

Patented June 19, 1906.

Application filed August 7, 1905. Serial No. 273,073.

To all whom it may concern:

Be it known that I, HARRY B. SMITH, a citizen of the United States, residing at Janesville, in the county of Rock and State of Wisconsin, have invented certain new and useful Improvements in Devices for Filling Fountain-Pens, of which the following is a specification.

This invention relates to improvements in fountain-pens, and more particularly to a filling attachment for that type of pens wherein the reservoir comprises a compressible tube fitting within the barrel.

As ordinarily constructed it is necessary to remove the feed portion of the pen in order to fill same, and this operation not only consumes a large amount of time, but is also almost invariably the means of soiling the fingers of the operator.

The object of this invention is to produce a device of the character mentioned which will enable the reservoir to be quickly filled without removing same from the barrel and which will not add materially to the cost of manufacturing the pens.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a perspective view of a fountain-pen embodying my invention. Fig. 2 is a longitudinal sectional view showing the pen in the act of being filled. Fig. 3 is a similar view showing the pen after being filled. Fig. 4 is a detail perspective view of the attachment comprising the invention.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The numeral 1 designates the barrel of a fountain-pen of the usual construction, and 2 the point or feed-section thereof. The reservoir of this pen is of the customary construction and comprises a compressible tube 3, which is usually formed of rubber and is permanently attached to the feed-section 2. In order to fill the pen as thus constructed, it is commonly necessary to remove the feed-section 2 and the reservoir and to compress the rubber tube while the pen-point is placed in

the ink-well. Upon releasing the rubber tube the ink will then be drawn or sucked therein and the reservoir thus filled. In order to do away with this operation, a longitudinal strip 4 is placed within the barrel 1 and adjacent to the reservoir 3, with the end of the strip flush with the rear end of the reservoir. Said strip 4 is provided with a threaded lug 5, which passes through an opening in the side of the barrel and is provided with a nut or thumb-screw 6, having an enlarged milled finger portion raised above its lower end. When this thumb-screw 6 is screwed up tightly on the threaded lug 5, with its lower end in engagement with the outer side of the barrel 1 and with its enlarged milled portion raised above such outer surface of the barrel for convenient manipulation, the strip 4 is held against the side of the barrel 1, so that it does not in any manner interfere with the usual operation of the pen. When it is desired to fill the reservoir 3, the thumb-screw 6 is unscrewed so as to allow the lug 5 to be pressed inward. This causes the strip 4 to compress the reservoir-tube, so that by placing the pen-point in an ink-well and releasing the pressure upon the lug 5 the ink will be drawn up into the reservoir. The thumb-screw 6 is then tightened so as to prevent any accidental compression of the reservoir, which would tend to interfere with the normal flow of the ink.

Having thus described the invention, what is claimed as new is—

In a fountain-pen, the combination with a handle inclosing a laterally-compressible ink-reservoir and provided with a pen-point and a lateral opening, a compressible strip located within the handle and having a threaded stem projected through the said lateral opening thereof, and a pressure-knob mounted upon the projecting end of the stem to serve as a clamp-nut, or an adjustable stop and finger-piece according to the position of the knob with reference to the handle, threaded stem and compression-strip.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY B. SMITH. [L. S.]

Witnesses:

M. A. TIMMONS,
WM. H. GRAVES, Jr.