

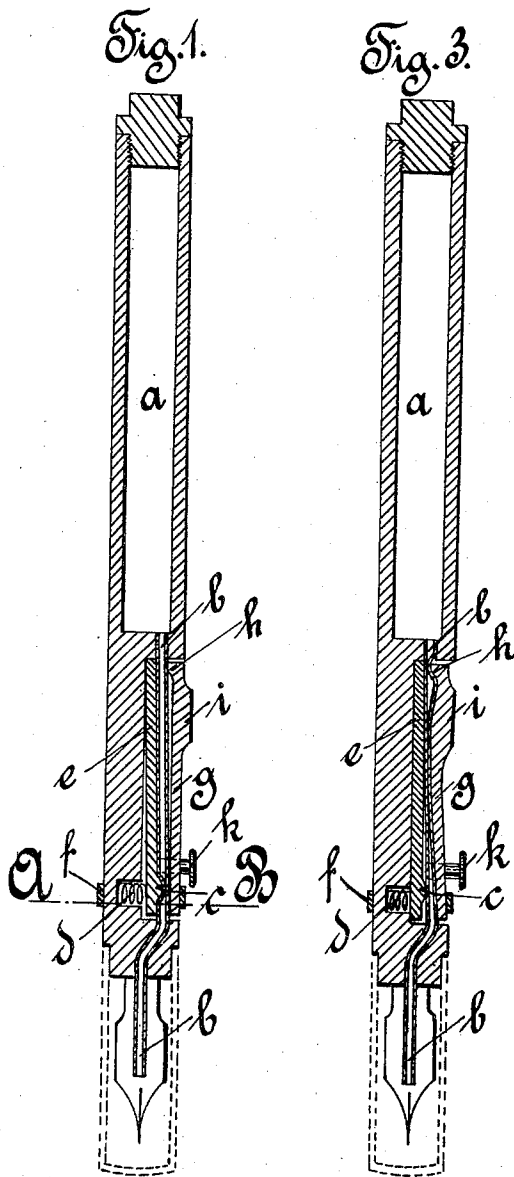
No. 655,736.

Patented Aug. 14, 1900.

E. REISERT.
FOUNTAIN PEN.

(Application filed Apr. 4, 1900.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

EDUARD REISERT, OF HENNEF, GERMANY.

FOUNTAIN-PEN.

SPECIFICATION forming part of Letters Patent No. 655,736, dated August 14, 1900.

Application filed April 4, 1900. Serial No. 11,553. (No model.)

To all whom it may concern:

Be it known that I, EDUARD REISERT, a subject of the King of Prussia, German Emperor, and a resident of Hennef, Sieg, in the Province of the Rhine, Kingdom of Prussia, German Empire, have invented new and useful Improvements in Fountain-Pens, of which the following is a specification.

My invention relates to improvements in fountain-pens in which the ink is conveyed to the pen by pressing upon a button, and has for its chief object to provide means for sucking the ink contained in the pen proper back into the ink-reservoir.

In order to make my invention more clear, I refer to the accompanying drawings, in which—

Figure 1 is a vertical section of the fountain-pen when in use. Fig. 2 is a horizontal section of the same on line A B of Fig. 1. Fig. 3 is a vertical section of the same at the moment when the ink is conveyed to the pen.

The reservoir *a* for the ink is connected with the pen by means of the rubber hose *b*.

This rubber hose *b* is closed on its lower end by the nose *c* of a pressing-piece *e*, which pressing-piece is pressed against the rubber hose *b* by the spiral spring *d*. Opposite to the pressing-piece *e* a pressing-piece *g* is provided.

This pressing-piece *g* consists of a small strip of hardened india-rubber or other elastic material and is on its upper end provided with a nose *h* for closing the rubber hose *b* in case a pressure is exercised upon the upper part of the pressing-piece.

This pressing-piece *g* is held in its position by means of the ring *f*. In the position shown in Fig. 1—that is to say, when the fountain-pen is in use—the hose *b* is open at its upper end, while at its lower end it is closed by the nose *c*.

The pressing-piece *g* is provided with a button *i* for laying on the thumb of the writing-hand. This button *i* is situated near the nose *h*, whereby as soon as a pressure is applied to this button the communication of the hose *b* with the reservoir *a* is interrupted by the nose *h*.

At the same time the walls of the hose *b* are compressed on that part upon which the pressing-piece *g* is situated, so that the ink contained in this part of the hose *b* is forced to leave the same.

If now the pressure exercised upon the button *i* by the thumb of the writing-hand is greater than the pressure of the spiral spring *d*, the nose *c* will be

pressed back and in consequence thereof the ink will flow to the pen. As by the pressure exercised upon the button *i* only a small quantity of ink can be conveyed to the pen and as at the same moment when the pressure ceases the hose is closed again by the spiral spring *d*, so that no more ink can flow to the pen, the supply of ink is strictly regulated.

In order to be able to bring the ink contained in the pen back into the reservoir *a*, the pressing-piece *e* is provided with a button *k*, by means of which it can be pressed back, so that the nose *c* cannot close any more the rubber hose *b*. As now by the ink flowing out the air in the reservoir *a* is rarefied the ink contained in the pen will immediately be sucked back as soon as the rubber hose *b* is not closed any more.

I am aware that prior to my invention fountain-pens have been constructed in which the ink was conveyed to the pen by pressing upon a button. I therefore do not claim this idea; but

What I claim as my invention, and desire to secure by Letters Patent of the United States of America, is—

1. In a fountain-pen the combination with a reservoir for the ink, a rubber hose connecting this reservoir with the pen proper, of a pressing-piece provided with a nose for closing the lower end of the rubber hose, a spiral spring for pressing said piece against the rubber hose and a second pressing-piece situated opposite to the first one and provided with a nose for closing the upper end of the rubber hose, as and for the purpose set forth.

2. In a fountain-pen the combination with a reservoir for the ink, a rubber hose connecting this reservoir with the pen proper, of a pressing-piece provided with a nose for closing the lower end of the rubber hose, a spiral spring for pressing said piece against the rubber hose, a button for pressing this piece back and a second pressing-piece situated opposite to the first one and provided with a nose for closing the upper end of the rubber hose, as and for the purpose set forth.

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

EDUARD REISERT.

Witnesses:

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KARL SCHMITT.