

No. 738,876.

PATENTED SEPT. 15, 1903.

J. BARNES.
FOUNTAIN PEN.

APPLICATION FILED JUNE 3, 1903.

NO MODEL.

Fig. 1.

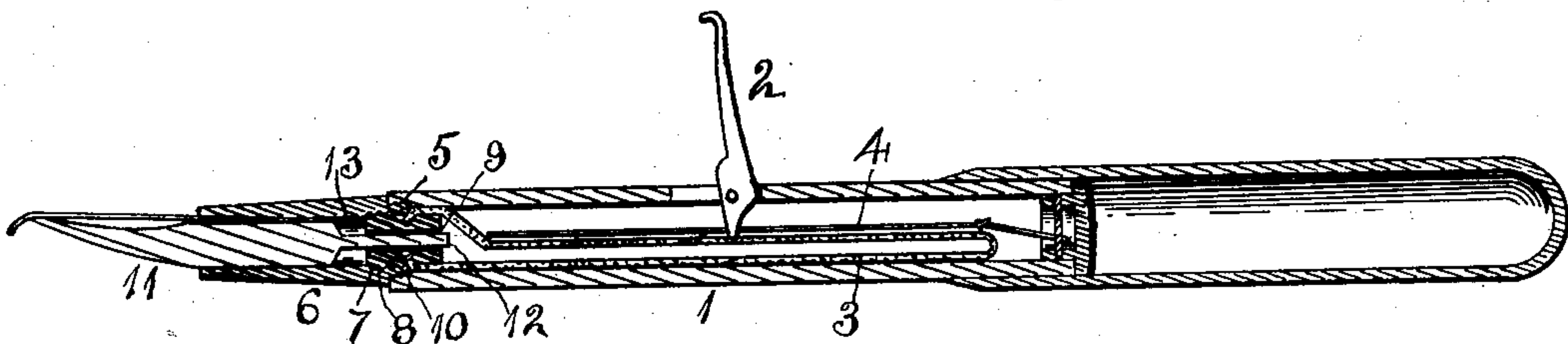


Fig. 2.

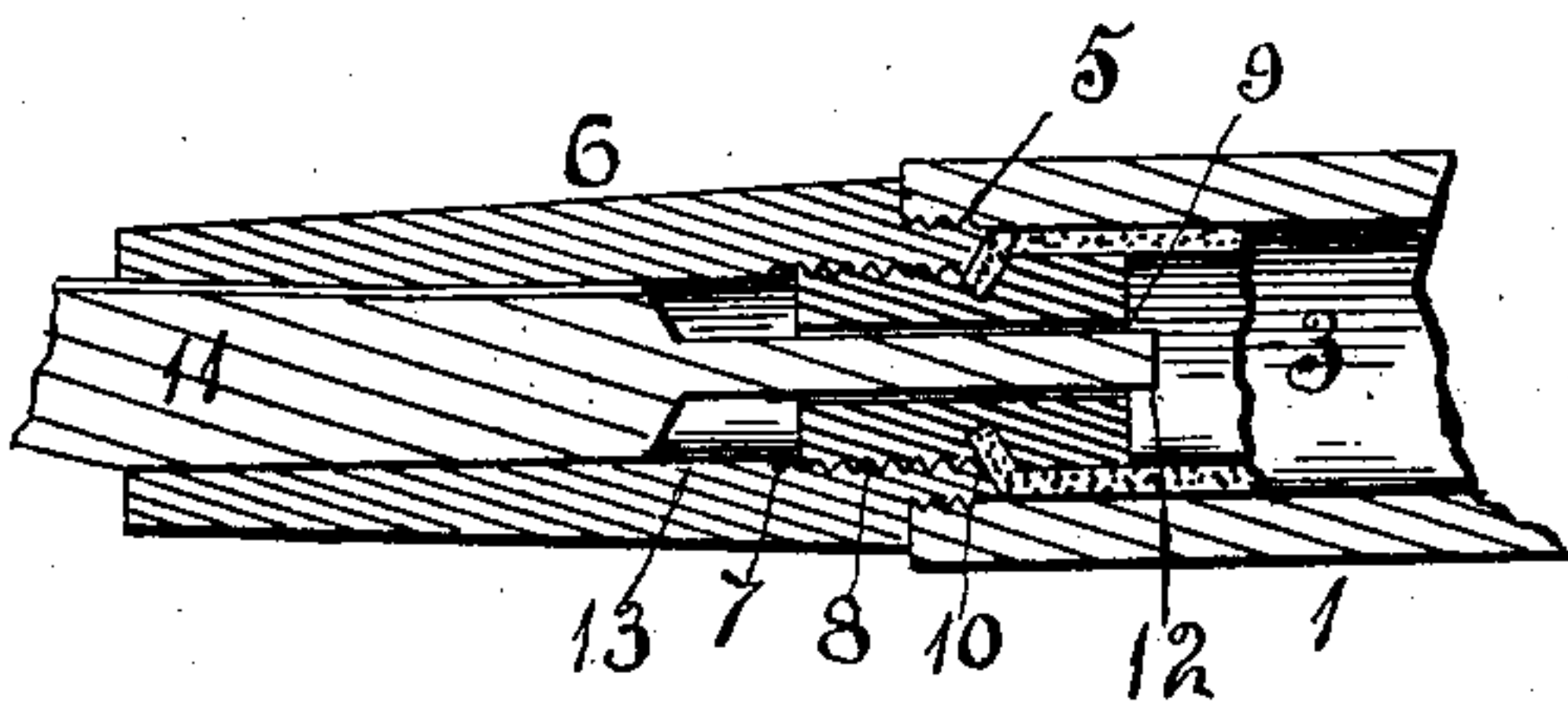
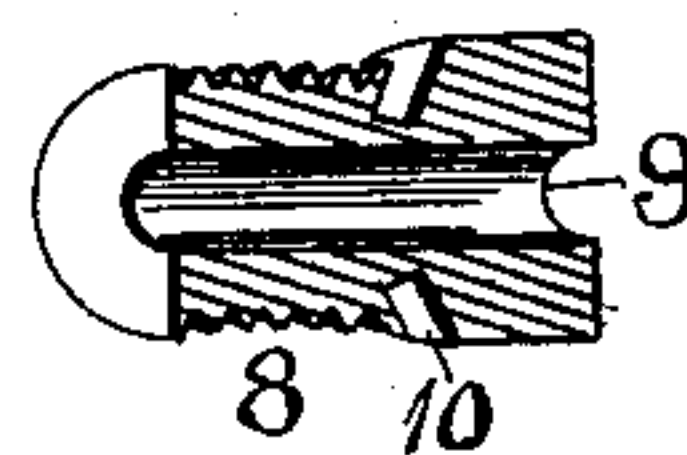


Fig. 3.



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Att'y

UNITED STATES PATENT OFFICE.

JOHN BARNES, OF ROCKFORD, ILLINOIS, ASSIGNOR TO W. F. & JOHN BARNES COMPANY, OF ROCKFORD, ILLINOIS, A CORPORATION OF ILLINOIS.

FOUNTAIN-PEN.

SPECIFICATION forming part of Letters Patent No. 738,876, dated September 15, 1903.

Application filed June 3, 1903. Serial No. 159,861. (No model.)

To all whom it may concern:

Be it known that I, JOHN BARNES, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Fountain-Pens, of which the following is a specification.

This invention relates to improvements in fountain-pens in which an elastic ink-reservoir is employed; and it consists in the connection between the open end of the ink-reservoir and the main portion of the pen and in other details of construction pointed out in the claims.

In the accompanying drawings, Figure 1 is a lengthwise section of my improved pen. Fig. 2 is a section of the point end of the pen on an enlarged scale. Fig. 3 is an isometrical section of the connecting-plug.

The pen in the main is of a construction patented to me April 28, 1903, No. 725,495, comprising the outer tubular casing 1, having a lever 2 pivoted thereto, an elastic ink-reservoir 3, and an intermediate plate 4, located between the reservoir and outer casing, against which the lever exerts a pressure. One end of the outer casing is provided with an internal screw-thread 5, which engages the external screw-threaded end of the pen-holding section 6. This pen-holding section has an internal screw-thread 7.

A plug shown at Fig. 3 has an external screw-threaded section 8, a central opening 9, and an annular peripheral groove 10. The open end of the elastic ink-reservoir is placed within the annular groove 10 of the plug, and the screw-threaded end of the plug is turned in connection with the internal screw-threaded end of the pen-holding section, thereby clamping the end of the elastic ink-reservoir in the groove against the end of the pen-holding section. The outer casing 1 is connected to the pen-holding section by the screw-threads.

The pen-holder 11 is located in the open end of the pen-holding section and has an extension 12 located in the central opening 9 of the plug, leaving an air-chamber 13 around the extension between the end of the plug and the pen-holder.

By moving the lever the elastic ink-reservoir is compressed, and upon allowing the

reservoir to expand ink will be drawn into the reservoir through the pen end. In use the ink will pass through the central opening in the plug along the extension 12 and enter the air-chamber 13 and pass along the pen to its point. The air-chamber will hold the ink in check, preventing a too rapid flow.

I claim as my invention—

1. A fountain-pen comprising an outer casing, an elastic ink-reservoir, a pen-holding section and a tubular plug having a separable connection with the pen-holding section, the open end of the elastic ink-reservoir held in place by the plug.

2. A fountain-pen comprising an outer casing, an elastic ink-reservoir, a pen-holding section and a tubular plug having a connection with the pen-holding section, the open end of the elastic ink-reservoir held in place between the plug and pen-holding section.

3. A fountain-pen comprising an outer casing, an elastic ink-reservoir, a pen-holding section, and a tubular plug having a connection with the pen-holding section and provided with an annular groove receiving the open end of the elastic ink-reservoir.

4. A fountain-pen comprising an outer casing, an elastic ink-reservoir, a pen-holding section and a tubular plug having a connection with the pen-holding section and provided with an enlarged portion receiving the open end of the elastic ink-reservoir.

5. A fountain-pen comprising an outer casing, an elastic ink-reservoir, a pen-holding section and a tubular plug having a screw-threaded connection with the pen-holding section, the open end of the elastic ink-reservoir held in place by the plug.

6. A fountain-pen comprising an outer casing, an elastic ink-reservoir, a pen-holding section, a tubular plug having a connection with the pen-holding section and with which the elastic ink-reservoir has a connection, and a pen-holder located in the pen-holding section having an extension located in the opening of the plug and forming an air-chamber around the extension between the plug and pen-holder.

7. A fountain-pen comprising an outer casing, an elastic ink-reservoir, a pen-holding section, and a tubular plug having a separa-

ble connection with the pen-holding section, the plug having a cone-shaped section, the pen-holding section fitted with a cone-shaped recess in one end and the open end of the
5 elastic ink-reservoir held in place between the cone surfaces.

8. A fountain pen comprising an outer casing, an elastic ink-reservoir, a pen-holding

section and a tubular plug having a separable connection with the pen-holding section, the 10 open end of the elastic ink-reservoir having a connection with the plug.

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