

C. M. McCCLURE.
METHOD OF FORMING MEDICINE INJECTORS.
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1,279,564.

Patented Sept. 24, 1918.

Fig. 2.

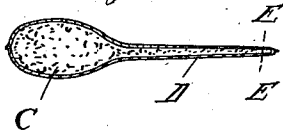


Fig. 1.

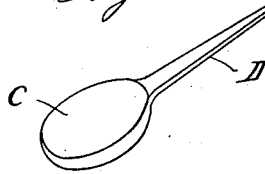


Fig. 5.

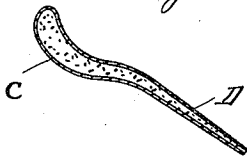


Fig. 4.

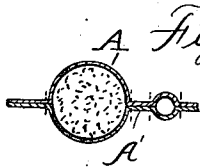
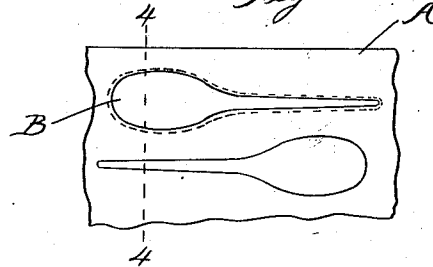


Fig. 3.



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UNITED STATES PATENT OFFICE.

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METHOD OF FORMING MEDICINE-INJECTORS.

1,279,564.

Specification of Letters Patent. Patented Sept. 24, 1918.

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To all whom it may concern:

Be it known that I, CLARENCE M. McCLURE, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Methods of Forming Medicine-Injectors, of which the following is a specification, reference being had therein to the

10 accompanying drawings.

The invention relates to a method of forming medicinal injectors, more particularly designed for use in the treatment of venereal diseases, and it is the object of the invention to provide a method for quantity manufacture of injectors having an injector nozzle of a soft flexible material which will not injure inflamed tissue. It is a further object to provide a method adapted to produce a

20 hermetically sealed container for the medicine, having a nozzle integral therewith and sealed at its end until ready for use.

In the drawings,—

25 Figure 1 is a perspective view of the injector produced by the herein described method;

Figure 2 is a longitudinal section thereof;

30 Figure 3 is a plan view showing the method of forming the injectors;

Figure 4 is a cross section on line 4—4 Fig. 3; and

35 Figure 5 is a view similar to Fig. 2, illustrating the manner of ejecting the contents through the nozzle.

As has been stated, my improved injector

is formed of soft flexible gelatin, and in the method of manufacture I preferably first form in any suitable manner sheets of gelatin, A, having depressions B of the form of a half section of the injector. The medicine to be sealed in the container is placed between complementary sheets A A' and the sheets are then pressed together to force out the surplus material and to cause the adhesion of the webs or fins surrounding each recess. This will result in the forming of a sealed container which, as shown in Figs. 1 and 2, has a bulb portion C and a projecting tapering nozzle portion D. The injectors are then cut from the sheet adjacent to the sealing edge, as indicated by the dotted lines in Figs. 3 and 4.

The articles formed as described may be kept sealed as long as necessary, and when they are to be used the tip of the nozzle is cut off, as indicated by the line E—E Fig. 2. The nozzle may then be inserted and the contents of the bulb ejected therethrough.

What I claim as my invention is,—

60 The method of forming medicine injectors, comprising the fashioning of half sections thereof in sheets of soft gelatin, placing complementary sheets in registration with the medicinal material therebetween, pressing the sheets together to eject the surplus material and to cause the adhesion of the sheets adjacent to the filled complementary half sections, and trimming from the sheet.

70 In testimony whereof I affix my signature.

CLARENCE M. McCLURE.