

C. R. DODGE.  
 SYRINGE.  
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1,110,189.

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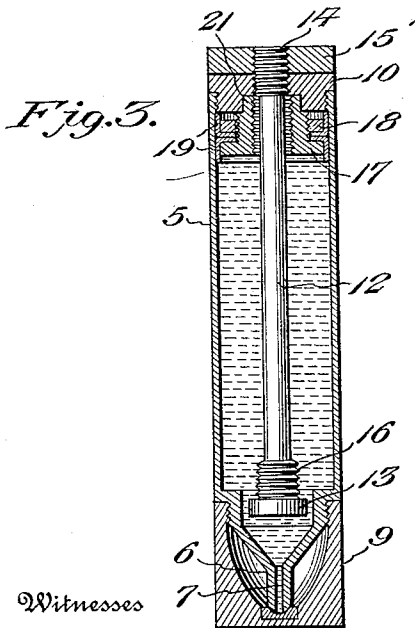
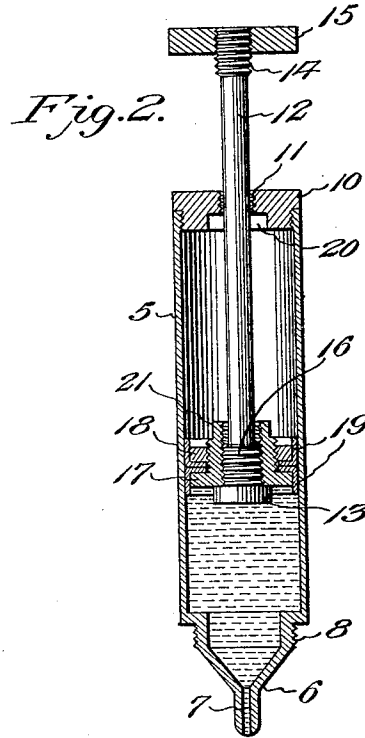
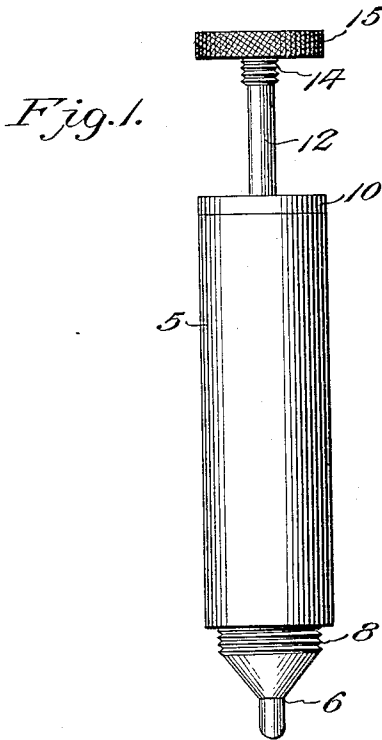


*Fig. 4.*

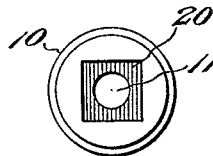
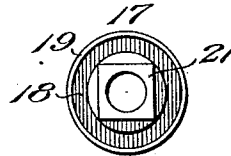


*Fig. 5.*



Witnesses

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# UNITED STATES PATENT OFFICE.

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## SYRINGE.

1,110,189.

Specification of Letters Patent.

Patented Sept. 8, 1914.

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*To all whom it may concern:*

Be it known that I, CLAUDE R. DODGE, a citizen of the United States, residing at Reno, in the county of Washoe and State of Nevada, have invented new and useful Improvements in Syringes, of which the following is a specification.

The invention relates to a syringe and more particularly to the class of charged pocket syringes.

The primary object of the invention is the provision of a syringe in which a charge of fluid medicament may be held when the syringe has its piston forced inwardly within the same for the convenient carrying thereof in the pocket of a user.

Another object of the invention is the provision of a syringe which when in inoperative position after being charged with fluid will not leak, thus permitting it to be placed within the pocket by the user with perfect safety.

A further object of the invention is the provision of a syringe in which the piston plunger or stem may be retreated within the body of said syringe when the same is filled with liquid, thus enabling it to be conveniently stored in the pocket of a user.

A still further object of the invention is the provision of a syringe which is simple of construction, readily and easily reduced into compact form for the carrying thereof in the pocket of a user and also that is inexpensive in manufacture.

With these and other objects in view, the invention consists in the construction, combination and arrangement of parts as will be more fully hereinafter described, illustrated in the accompanying drawings, and pointed out in the hereunto appended claims.

In the drawings:—Figure 1 is a side elevation of a syringe constructed in accordance with the invention and ready for use. Fig. 2 is a longitudinal sectional view thereof. Fig. 3 is a similar view when the syringe is charged and the piston pushed therein for the carrying thereof in the pocket of a user. Fig. 4 is a bottom plan view of the detachable cap for the body. Fig. 5 is a plan view of the piston.

Similar reference characters are employed to designate corresponding parts throughout the several views of the drawings.

In the accompanying drawings, the numeral 5 designates a cylindrical body, preferably constructed from gutta-percha, al-

though the same may be made from any other suitable material and is formed at one end with a nipple or nozzle 6 having a central discharge vent 7 leading from the said body, so that the liquid may be discharged therefrom through the said nipple or nozzle. This nipple or nozzle 6 is provided with external threads, 8, with which is detachably engaged a correspondingly internally threaded closure cap or closure 9, the same being removed when the syringe is used. The opposite open end of the body 5 is provided with suitable internal threads for detachably mounting the closure head or cap 10 which permits the cleaning of the said body on its removal when the occasion requires. This cap or head 10 is provided with a threaded central opening 11, through which works a piston stem or plunger 12, the same being provided at its inner end with an enlargement or abutment 13, and at its opposite outer end is formed with screw threads 14 which are adapted to engage in the opening 11 when the same has been receded or pushed in the body of the syringe. Also detachably engaged with the threaded end 14 of the stem or plunger is a finger disk 15 by means of which the plunger or stem is manually operated.

Contiguous the bottom end 13 and formed on the plunger or stem 12 are screw threads 16 with which is detachably engaged a plunger head 17, the latter carrying an adjustable binding nut 18 working against a removable packing 19, the plunger head 17 being adapted to reciprocate within the body. Formed in the inner face of the cap or head 10 is a squared socket 20 into which fits a correspondingly shaped boss 21 formed on the piston head 17 so that when the piston or plunger is extended or pulled from the body 5 the boss 21 will engage in the socket 20, thus permitting the detachment of the said piston head 17 from the plunger or stem 12 on the rotation of the same. On the upper outstroke of the piston head 17 within the body 5 the latter is caused to be filled with liquid and when the stem or plunger 12 has been detached from the piston head it may be pushed inwardly within the body, thereby permitting the syringe to be conveniently carried within the pocket of a user. After the stem or plunger 12 has been pushed within the body 5, the same is rotated whereby its threaded end 14 will engage with the threaded opening in the head

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