

No. 622,848.

Patented Apr. 11, 1899.

L. M. GEER.  
SYRINGE.

(Application filed Feb. 12, 1896.)

(No Model.)

FIG. 1.

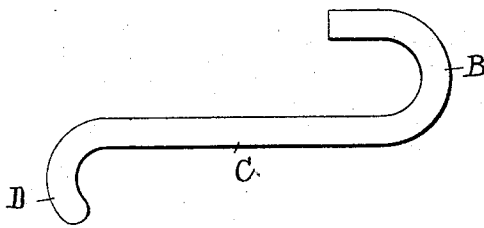


FIG. 2.

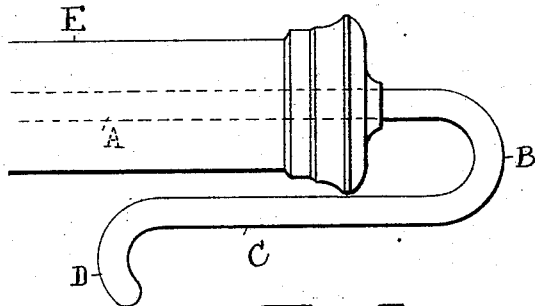
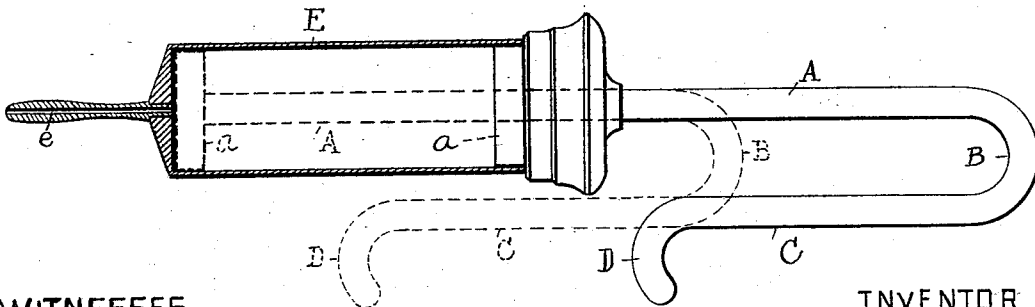


FIG. 3.



WITNESSES

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# UNITED STATES PATENT OFFICE.

LETITIA MUMFORD GEER, OF NEW YORK, N. Y.

## SYRINGE.

SPECIFICATION forming part of Letters Patent No. 622,848, dated April 11, 1899.

Application filed February 12, 1896. Serial No. 579,096. (No model.)

*To all whom it may concern:*

Be it known that I, LETITIA MUMFORD GEER, a citizen of the United States, residing at No. 303 West One Hundred and Fourteenth street, New York city, in the county of New York, State of New York, have invented a new and useful Improvement in Syringes, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to syringes, and especially to that class designed for rectal and similar purposes, and has for its object to provide a handle of peculiar and novel construction to enable a person to use the same in injecting fluid into his own rectum without the aid of an assistant. I attain this object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a view of the handle which I employ. Fig. 2 is a view of a portion of the cylinder of a syringe with my improved handle connected therewith; and Fig. 3 is a sectional view of a syringe, showing the handle in a different position.

In the accompanying drawings the same letters of reference refer to the same parts in each of the views, and in the practice of my invention I provide a syringe having a piston-rod A with a handle which is substantially U-shaped in form, the same being bent at B to form two arms, one of which, C, is the longer, as shown in Fig. 1, where the shorter arm is adapted to be connected with the piston-rod A; but it is evident that if the piston-rod A and handle were to be made integrally then the arm C would be shorter than the other arm and piston-rod combined. The arm C is provided at the free end thereof with means to prevent the hand slipping off the said arm when in use, preferably a hook extension D; but it is evident that other means may be provided without departing from the spirit of my invention.

I have shown at E the cylinder of an ordinary syringe and at e the discharge-nozzle, while a represents the piston, to which the piston-rod A is secured.

The operation is as follows: The operator inserts the nozzle in the rectum while holding the cylinder E, it being understood that the syringe is first charged with the liquid which it is desired to inject, and the handle is in the position shown in full lines in Fig. 3. When the nozzle is inserted in the rectum, the operator can reach the handle or the part C thereof with one or more fingers of the same hand which holds the cylinder E, and as the extension D will prevent the fingers slipping off the arm C the said handle can be drawn into the position shown in dotted lines in Fig. 3 by the use of the one hand, thereby enabling the operator to use the syringe upon himself without the aid of an assistant, which would not be the case if it required two hands to operate the syringe.

The device is very simple and cheaply constructed, and as it is evident that a ring might be provided at the free end of the arm C or any other well-known means to prevent the fingers slipping off said arm, and as the shape of the handle may be varied to a certain extent without departing from the spirit of my invention, I reserve the right to make any change which comes within the scope of this invention.

Having fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

In a hand-syringe the combination of a cylinder, a piston and an operating-rod which is bent upon itself to form a smooth and rigid arm terminating in a handle, which, in its extreme positions, is located within reach of the fingers of the hand which holds the cylinder, thus permitting one hand to hold and operate the syringe, substantially as shown and described.

LETITIA MUMFORD GEER.

Witnesses:

HUBBARD W. MITCHELL,  
EUGENE FREDERICK HOYT.