C. E. KELLS.

SYRINGE.

APPLICATION FILED MAR. 26, 1914.

1,116,825. Patented Nov. 10, 1914.

Fig. 1.

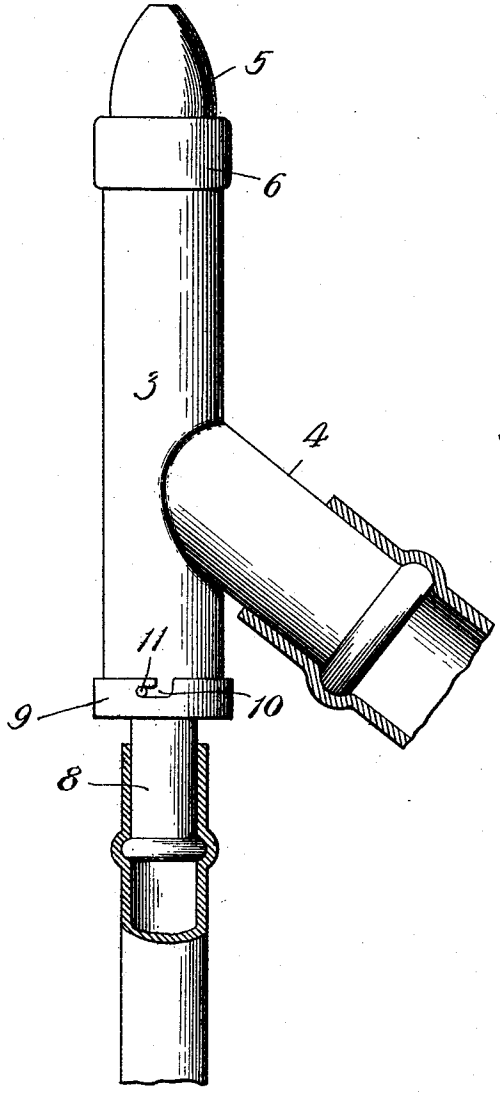
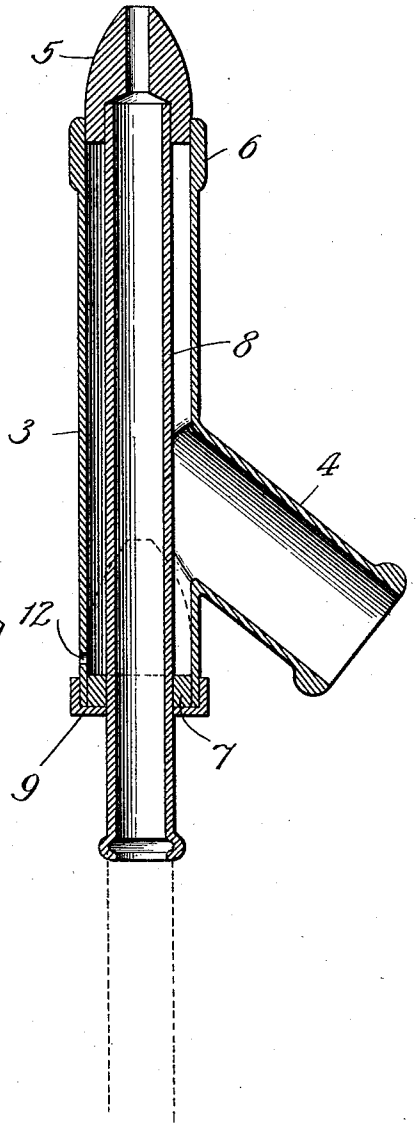


Fig. 2.



Witnesses:
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THE NORRIS PETERS CO., PHOTO-LITH., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

CHARLES EDMUND KELLS, OF NEW ORLEANS, LOUISIANA.

SYRINGE.

1,116,825. Specification of Letters Patent. Patented Nov. 10, 1914.

Application filed March 25, 1914. Serial No. 827,142.

To all whom it may concern:

Be it known that I, CHARLES EDMUND KELLS, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented a new and useful Improvement in Syringes, of which the following is a specification.

My invention relates to certain new and useful improvements in syringes, and is fully described and explained in the specification and shown in the accompanying drawings, in which:—

Figure 1 is an elevation of my improved syringe, and Fig. 2 is a longitudinal section therethrough.

Referring to the drawings, 3 is a tubular body provided with a lateral extension 4. The front end of the body 3 is normally closed by a head 5 of generally conical form which is adapted to enter the rectum. The body is provided at its forward end with a bead 6 to prevent its accidental displacement. The rear of the body is closed by a centrally perforated plug 7.

The head 5 is centrally perforated for the passage of fluid therethrough and is connected to a tube 8 extending backward through the hollow body 3 and out through the central perforation in the plug 7. The tube 8 has attached to it a cap 9 overhanging the rear end of the body and provided with a bayonet slot 10 engaging a pin 11 on the body, so as to hold the parts in the position shown in solid lines. By turning the cap 10, however, it is possible to withdraw the head, and to place it in the position shown in dotted lines in Fig. 2.

The operation of the device will be readily apparent. The syringe is placed in position in the usual manner and the fluid to be administered is passed in through the central tube 8 which, in practice, is connected to a rubber tube, as shown, for the purpose of conducting thereto the fluid. When the requisite amount of fluid has been administered, the head is drawn back so as to clear the entire body and connect it with the lateral extension 4. The contents of the bowels will then pass out through the body 3 and extension 4 and into the tubing connected therewith. If desired, the tube connected to the extension 4 may run to a suction chamber, so as to accelerate the evacuation. In this case the suction may be controlled by means of a perforation 12 at the rear end of the body through which air may be admitted, when desired, or which may be kept closed by the fingers. If the natural expulsive movements of the bowel-muscles are relied upon, this perforation may be omitted.

The present device is particularly desirable because, by its use, it is possible to dispense with the use of a bed-pan in many cases, a complete evacuation being possible through the tube. Furthermore, in the case of rectal feeding, the large intestine can first be washed out and the material evacuated carried away and the supply of fluid food can then be introduced through the tube 8 and head 5 without removing the syringe from the patient, or rendering necessary the employment of a bed-pan.

I realize that considerable variation is possible in the details of the construction herein shown, and I do not intend to limit myself thereto, except as pointed out in the following claims, in which it is my intention to claim all the novelty inherent in the device as broadly as is permitted by the state of the art.

I claim as new and desire to secure by Letters Patent:—

1. A syringe having, in combination, an outer body having a passage therethrough, an exit opening from the side thereof, a head movable in the body and adapted to project therefrom and to be drawn into the same to clear the passage from the end thereof to the exit-opening, and a connection extending within the body for conducting fluid to the head.

2. A syringe having, in combination, an outer body provided with a lateral exit-extension, a head normally projecting from the front of the body and adapted to be withdrawn into the same, and a tubular connection lying within the body and connecting with said head.

3. A syringe having, in combination, an outer body provided with a lateral exit-extension, a head normally projecting from the front of the body and adapted to be withdrawn into the same, a tubular connec-

tion lying within the body and connecting with said head, and means for locking the head in its forward position.

4. A syringe having, in combination, an outer body provided with a lateral exit-extension, a head normally projecting from the front of the body and adapted to be withdrawn into the same, a tubular connection lying within the body and connecting with said head, and a cap on the tube having a bayonet-latch connection with the body to lock the head in its forward position.

In testimony whereof I have hereunto set my hand this 20th day of March, 1914.

CHARLES EDMUND KELLS.

In presence of two subscribing witnesses:

SAMUEL H. MCAFFEE,

CHAS. J. RIVET.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."