

C. H. STÉPHAN.
MEDICAL APPLIANCE.
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1,327,786.

Patented Jan. 13, 1920.

Fig. 1.

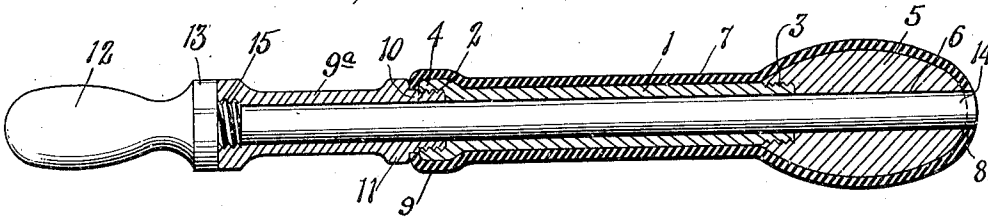


Fig. 2.

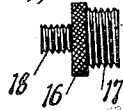
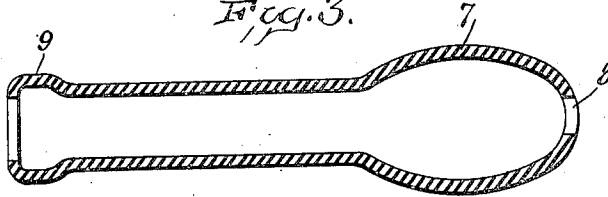


Fig. 3.



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MEDICAL APPLIANCE.

1,327,786.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES H. STEPHAN, a citizen of the United States, residing at Springfield, in the county of Clark and State of Ohio, have invented certain new and useful Improvements in Medical Appliances, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to medical appliances and particularly to the type which are adapted for the introduction of medicine into the body and for internal massage of the body parts. It comprises an instrument which is constructed to be inserted in the desired portion of the body. It has a passage entirely through the device through which medicine may be forced and an attachment for giving an internal massage is also provided.

In the drawings, Figure 1 is a longitudinal section of the device adapted for massage or for introduction of medicine;

Fig. 2 is a detail view showing the method of attachment of a vibrator of usual type;

Fig. 3 is a section of a part shown in Fig. 1.

The complete device is shown in Fig. 1. It includes a main tubular portion 1 and a head 5 which are shown as separate parts, but which may be made integral if desired. The portion 1 has threads 2 and 3, the thread 2 being cut internally on the expanded end 4 and the thread 3 being external. The head 5 is elliptical in shape and both it and the tubular portion 1 have a longitudinal passage 6 entirely through them, and the head 5 is threaded to engage threads 3. Outside the portion 1 and head 5 is a soft rubber cap 7, shown separately in Fig. 3, and the cap may if desired be cut away at 8 to permit the passage of medicine. The left hand end of cap 7 has an enlargement 9 permitting it to be forced on the expanded end 4 of the main portion 1.

A handle portion 9^a (Fig. 1) is threaded at 10 to engage the threads 2 and has an enlarged portion 11 abutting the small end of the cap 7. In putting the parts together the small end of cap 7 is placed between the enlarged portions 11 and 4 of the handle portion 9^a and the tubular portion 1 and these two parts then screwed together. As shown, the handle portion 9^a is hollow, like the tubular portion 1.

A handle 12 has a portion 13 adapted to

engage the enlarged end of portion 9^a so as to limit the movement of the handle. The handle extends entirely through the device, its length being such that its operating end 14 reaches the end of the head 5 when the part 13 strikes the handle portion 9^a.

The handle portion 9^a is threaded at 15 and the handle 12 is provided with threads fitting the threads 15. Thus the handle may be inserted and screwed to the handle portion 9^a.

The main portion may be entirely of hard rubber and is capable of use with or without the soft rubber cap 7. Also the main portion may be made of soft rubber at the head 5 and be gradually hardened as the end 4 is approached, the object of so hardening the part being merely to permit the thread 2 to be cut therein.

For use as a massage device the instrument may be employed as shown in Fig. 1. The handle 12 is held fast by the threads 15 and the cap 7 and head 5 may be inserted in the desired portion of the body and massage given by operation of handle 12. The soft rubber cap prevents injury to the parts of the body. Also the device may be used for massage without the cap 7 by using a main portion having a soft head 5, as above described.

To insert medicine the handle 12 is unscrewed and removed and the medicine is placed in the central tube. Then the handle may be reinserted in the device and pushing the handle into the device will force the medicine out of the end of the head 5. In this use the soft rubber cap will ordinarily not be used.

The device is well adapted for treatment of diseases of the prostate gland, where both the massage of the gland and the application of medicine are desired.

For vibratory treatment there is employed a coupling 16, Fig. 2, which has a threaded portion 17 fitting the threads 15 in the handle portion 9^a and the threaded portion 18 of the coupling 16 may be screwed to any desired form of vibrator. Of course, in this use the handle 12 is removed and the head 5 applied to any desired part of the body. The vibrator causes rapid vibration of the entire device and the desired result is thus obtained.

The device as a whole is simple and the parts readily put together. They are easily taken apart for cleaning or the insertion of

medicine. It will be observed that there is an enlarged portion 9 of the device which limits and determines the extent to which the device may be inserted in the body.

- 5 While I have shown and described certain features as constituting my invention, it will be understood that parts have been shown for purposes of illustration only, and that I do not desire to be limited to such details, as obvious modifications will occur to a person skilled in the art.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

- 15 1. A medical appliance comprising a hollow tubular portion, a hollow head fast thereto, a rubber cap covering said tubular portion and said head, a handle portion fast to the tubular portion and between which and the tubular portion, the cap is held, and a handle having an extension passing through the handle portion, the tubular portion and the head, said handle being constructed to be screwed to said handle portion.

- 25 2. A medical appliance comprising a hol-

low tubular portion having an expanded end, a head fast to said tubular portion, a handle portion having an enlarged portion and adapted to be screwed to said tubular portion, and a rubber cap covering said tubular portion and said head, the end of said cap being confined and held between the enlarged part of the handle portion and the expanded end of the tubular portion.

3. A medical appliance adapted to treat the prostate gland comprising a body portion, an enlarged head fast thereto, said head being covered with soft material and adapted to be vibrated to massage internal portions of the body.

4. A medical appliance adapted to treat the prostate gland comprising a handle portion, a head of fixed dimensions fast thereto, said head having a portion of soft material adapted to massage internal portions of the body and having an opening to transmit medicine thereto.

In testimony whereof, I affix my signature.

CHARLES H. STEPHAN.