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MEANS FOR TREATMENT OF DISEASES OF THE GENITO URINARY TRACT

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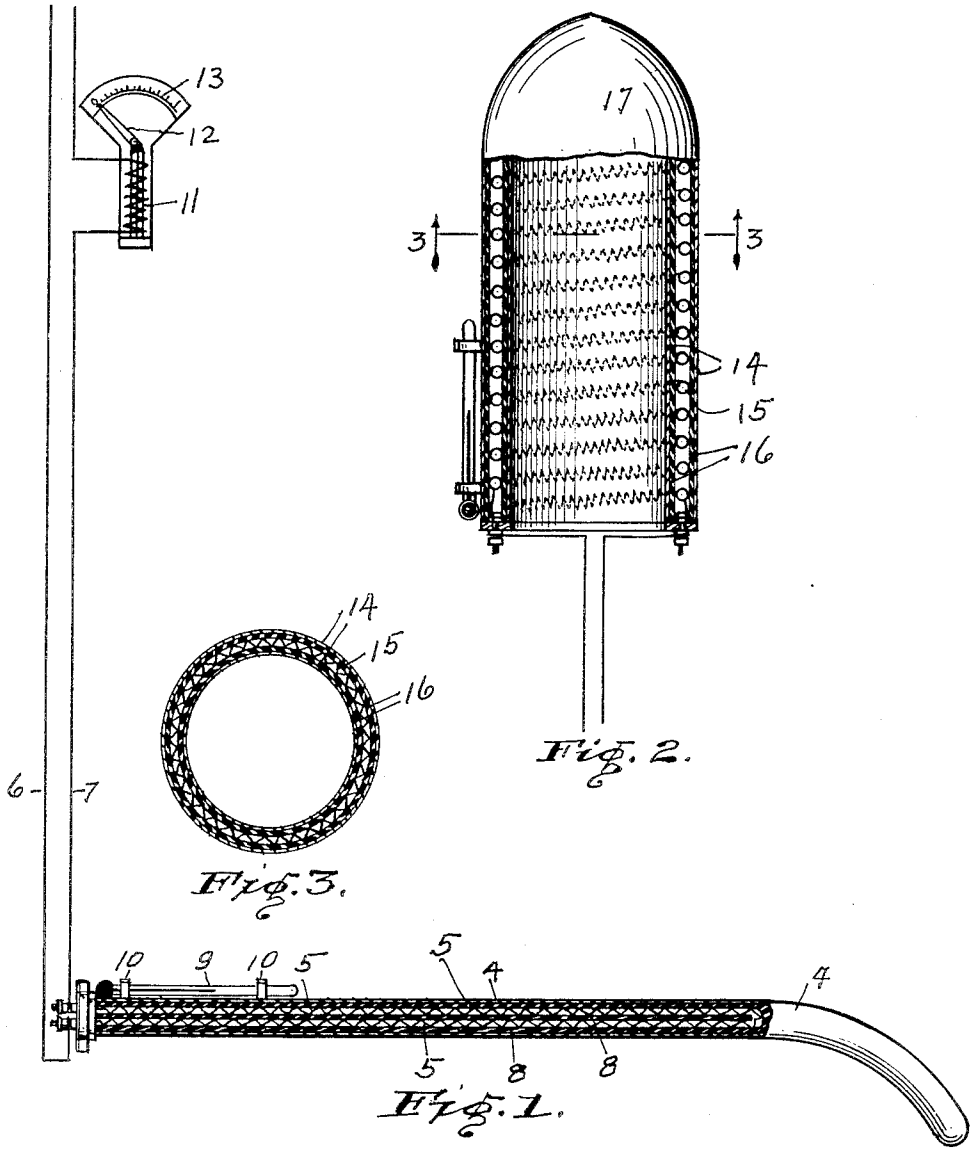


Fig. 2.

Fig. 3.

Fig. 1.

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MEANS FOR TREATMENT OF DISEASES OF THE GENITO-URINARY TRACT

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This invention is designed to apply a variable amount of heat, always under control, to the genito-urinary tract of both male and female persons, ranging anywhere from 100° F. to 110° F. or higher as desired.

It is known to the medical profession that a temperature of 106° F. will kill the gonococci and spirocheta pallida microorganisms and the principal object of this invention is to apply the required amount of heat to tracts of the human body so affected thereby to kill the microorganisms in much quicker time than has yet been done.

Another object is to provide means for determining the degree of heat applied and for regulating and controlling the degree so applied.

I accomplish the above, and other objects which will hereinafter appear, by the means illustrated in the accompanying drawing, in which—

Fig. 1 is a view in side elevation and part longitudinal section of a sound embodying my invention.

Fig. 2 is a side elevation and part vertical section of a cylindrical heating device to receive the penis or for insertion into the vagina, and

Fig. 3 is a cross section on the line 3—3 of Fig. 2.

Like characters of reference indicate like parts in the several views of the drawing.

Referring to Fig. 1, which is a sound for insertion into the penis, the tubular outer wall 4 is of metal or any other suitable substance and is of the usual size and shape of such instruments. Assembled within it in a loop, is a suitable resistance wire 5 which is in circuit with a source of current, not shown, by means of conductor wires 6 and 7. The resistance 5 forms the heating element which is insulated with asbestos or other like material from the tube 4 by suitable insulation 8. The sound is inserted in the penis in the usual manner and it is long enough to provide an outside portion to which an ordinary clinical thermometer 9, is removably secured, here shown as by means of spring clips 10, 10. By means of the thermometer 9 the temperature of the heat in the sound within the penis can be determined with sufficient accuracy for all practical purposes, for, while the inserted portion of the sound will be slightly warmer than that outside, the internal tract can stand as much higher temperature without inconvenience or danger; and the difference in temperatures can be allowed for also.

As a check and control I prefer to introduce a thermostat in the electric circuit at a convenient place, having a compound bar 11 around which the resistance wire is wound, and operating a dial hand 12, which points to the temperature dial 13 and which can be set by well known means (not shown) to break the circuit when a predetermined temperature is reached.

In the form shown in Fig. 2, the cylinder 14, has a double wall between which a heating coil 15 is assembled and separated from contact with the shell by insulation 16 of asbestos or other like material. One end of the cylinder is closed by an outwardly tapering portion 17, to retain the heat and also to make insertion easier when the instrument is inserted in the vagina. This device is electrically heated and has the same safeguards as to temperatures as described and shown for the sound. The clips and thermometer are removable where the device is to be inserted. It is inserted in the female for treatment, and in the treatment of males the penis is inserted in the cylinder, as in the treatment of chancre sores. Where the device of Fig. 2, is inserted in the vagina the temperature is obtained by inserting the thermometer in the cylinder.

While I have shown and described an electrically heated instrument, other heating agents may be used without departing from the spirit of the invention.

I claim:

In a device for killing micro-organisms within the genito-urinary tract of a human body, a sound having an elongated straight tube, an electrical heating element within said straight tube, a closed curved end projecting from one end of said tube, said heating element terminating back of the point of juncture of said curved end and said tube,

said curved end being shaped to guide said tube through said tract under the pubic bone and pass on and be entirely within the bladder and said straight tube being of sufficient length and diameter to lie along the entire length of and to distend the walls of said tract, whereby the entire length of the tract may be distended and heated simultaneously without heating the bladder.

In testimony whereof I affix my signature.

JOHN J. BRIGGS.