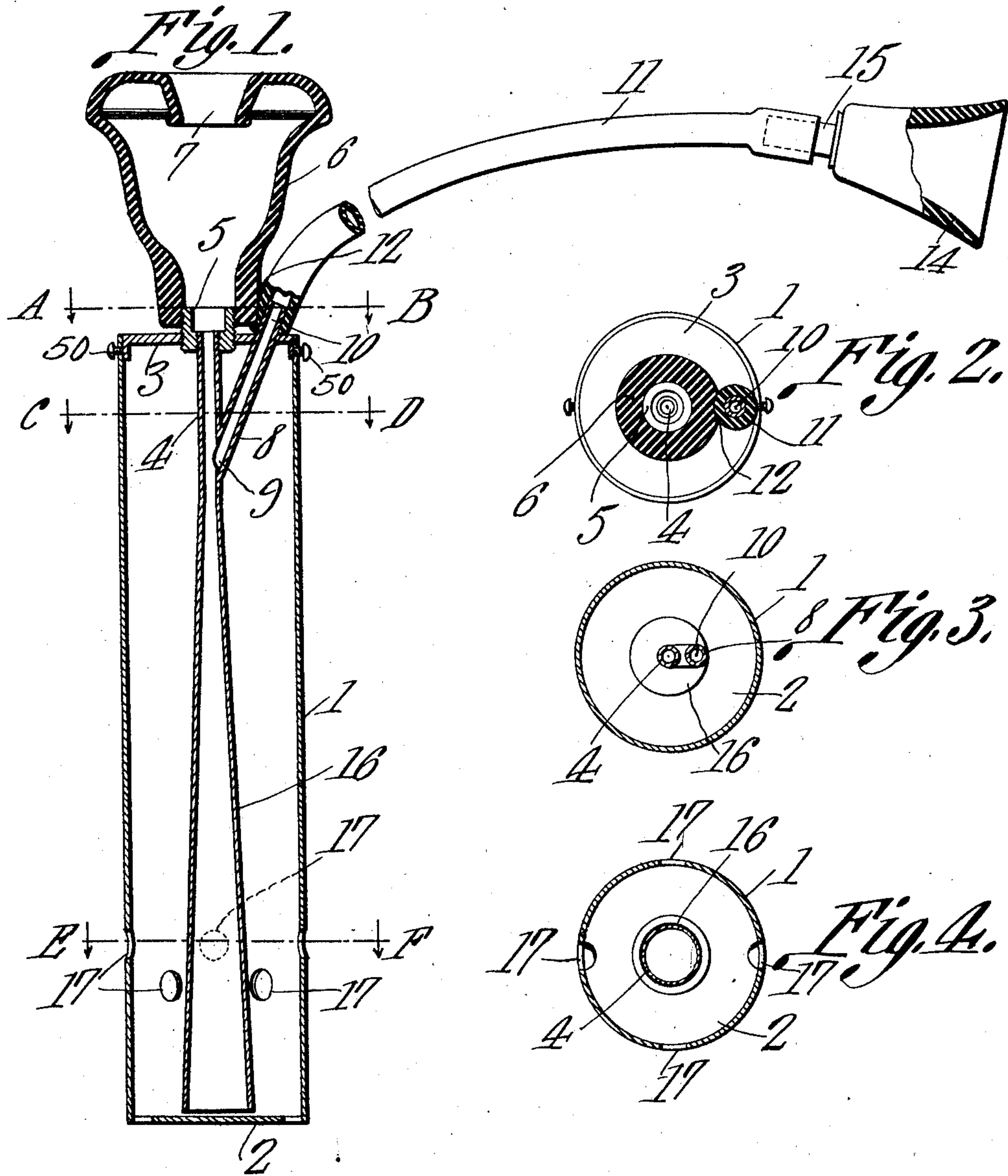


W. H. CHELLIS.
SKIN CLEANER.
APPLICATION FILED JULY 11, 1910.

996,974.

Patented July 4, 1911.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM H. CHELLIS, OF MILWAUKEE, WISCONSIN.

SKIN-CLEANER.

996,974.

Specification of Letters Patent.

Patented July 4, 1911.

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To all whom it may concern:

Be it known that I, WILLIAM H. CHELLIS, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a new and useful Skin-Cleaner, of which the following is a specification.

It is the object of this invention, to provide in a simple and merchantable form, a device whereby a stream of flowing liquid may be employed for creating a suction, the device being intended for use in massage, and like operations where it is desired to create a suction upon the human body.

Another object of the invention is to provide a novel means for creating a suction, in a device of the class described, whereby the pores of the human body may be opened, and sebaceous matter removed therefrom.

Another object of the invention is to construct a device of the character described, in which component elements of the structure will unite to increase the suction.

With the above and other objects in view, the invention consists in the novel construction and arrangement of parts hereinafter described, delineated in the drawings and claimed; it being understood that, within the scope of what is claimed, divers changes may be made without departing from the spirit of the invention or sacrificing any of the advantages thereof.

In the accompanying drawings,—Figure 1 shows the invention in longitudinal section, parts being in elevation; Fig. 2 is a section on line A—B; Fig. 3 is a section on line C—D; and Fig. 4 is a section on line E—F.

The invention includes a case 1, tubular in form, and closed at one end as denoted by the numeral 2. A cap 3 is adapted to be fitted in the open end of the case 1, and to be retained therein in any desired manner, for instance by clamp screws 50.

A conducting pipe 4 is provided, the pipe 4, at its inlet end, protruding through the cap 3, as shown at 5, this protruding portion preferably being threaded, to engage with the shank of a cup shaped head 6, preferably fashioned from rubber. In the end face of the head 6 there is an opening 7, adapted to receive a water supply cock, in the well known manner. The suction pipe 8 is disposed at an acute angle to the conducting pipe 4, and branches from the conducting pipe 4 adjacent the cap 3. The suction pipe 8, being mounted in the cap 3, serves as a

brace to hold the relatively long conducting pipe 4 in place. In the drawings, the place of union between the conducting pipe 4 and the suction pipe 8, is denoted by the numeral 9. The free end of the suction pipe 8 protrudes through the cap 3 adjacent the periphery thereof, as shown at 10, the pipes 4 and 8 being secured in the cap 3 in any desired manner.

A flexible tube 11 is mounted upon the end of the suction pipe 8. It will be seen that when the head 6 is thrust upon the protruding portion 5 of the conducting pipe 4, the said head will bear peripherally against the tube 11, as shown at 12, the head 6 thus serving as a means for preventing the tube 11 from being withdrawn from the portion 10 of the suction pipe. The free end of the tube 11 carries a resilient, cup shaped suction head 14, provided with a reduced neck 15, whereby the suction head may be connected with the tube 11.

As denoted by the numeral 16, that portion of the conducting pipe which is disposed in the case 1, flares as it approaches the closed end 2 of the case 1, the discharge end of the conducting pipe 4 being located in close proximity to the closed end 2 of the case. In the side wall of the case 1 there are a plurality of openings 17, these openings 17 being located above the discharge end of the conducting pipe 4.

Obviously, the head 6 constitutes a means for connecting one end of the conducting pipe 4 with a source of liquid supply; the cup shaped suction head 14 constituting a flesh-engaging element adapted to be connected with the suction pipe 8.

The operation of the device is as follows. When the end of a water supply cock is thrust into the opening 7 in the head 6, the water from the supply cock will flow downwardly through the conducting pipe 4. The flow of the water through the conducting pipe, will cause a suction in the pipe 8, the suction head 14 being applied to any desired portion of the human body. Thus, as the water flows through the conducting pipe 4, a suction will be applied, within the periphery of the head 14. By reason of the fact that the conducting pipe 4 flares adjacent its lower end, as denoted by the numeral 16, the stream of water flowing through the conducting pipe, will encounter less and less resistance as the discharge end of the conducting pipe 4 is approached, the

flow of the water through the conducting pipe 4 being thus promoted, and the suction in the suction pipe increased accordingly. By reason of the fact that the openings 17
5 in the case 1 are positioned above the discharge end of the conducting pipe 4, a water seal will be provided, about the discharge end of the conducting pipe 4, whereby air will be prevented from flowing upwardly
10 through the conducting pipe, should the suction within the periphery of the head 14 be very strong.

Having thus described the invention, what is claimed is:—

15 In a skin cleaner, a tubular case closed at one end; a removable cap insertible into the open end of the case; clamping means in the case to engage the cap; a conducting

pipe extended through the cap; a suction pipe extended through the cap and communicating with the conducting pipe; means 20 for connecting the extended end of the conducting pipe with a source of liquid supply; and a flesh-engaging suction element connected with the extended end of the suction 25 pipe; there being openings in the side wall of the case, located above the discharge end of the conducting pipe.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature 30 in the presence of two witnesses.

WILLIAM H. CHELLIS.

Witnesses:

BRAY JONES, Jr.,
W. O. THOMAS.

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