

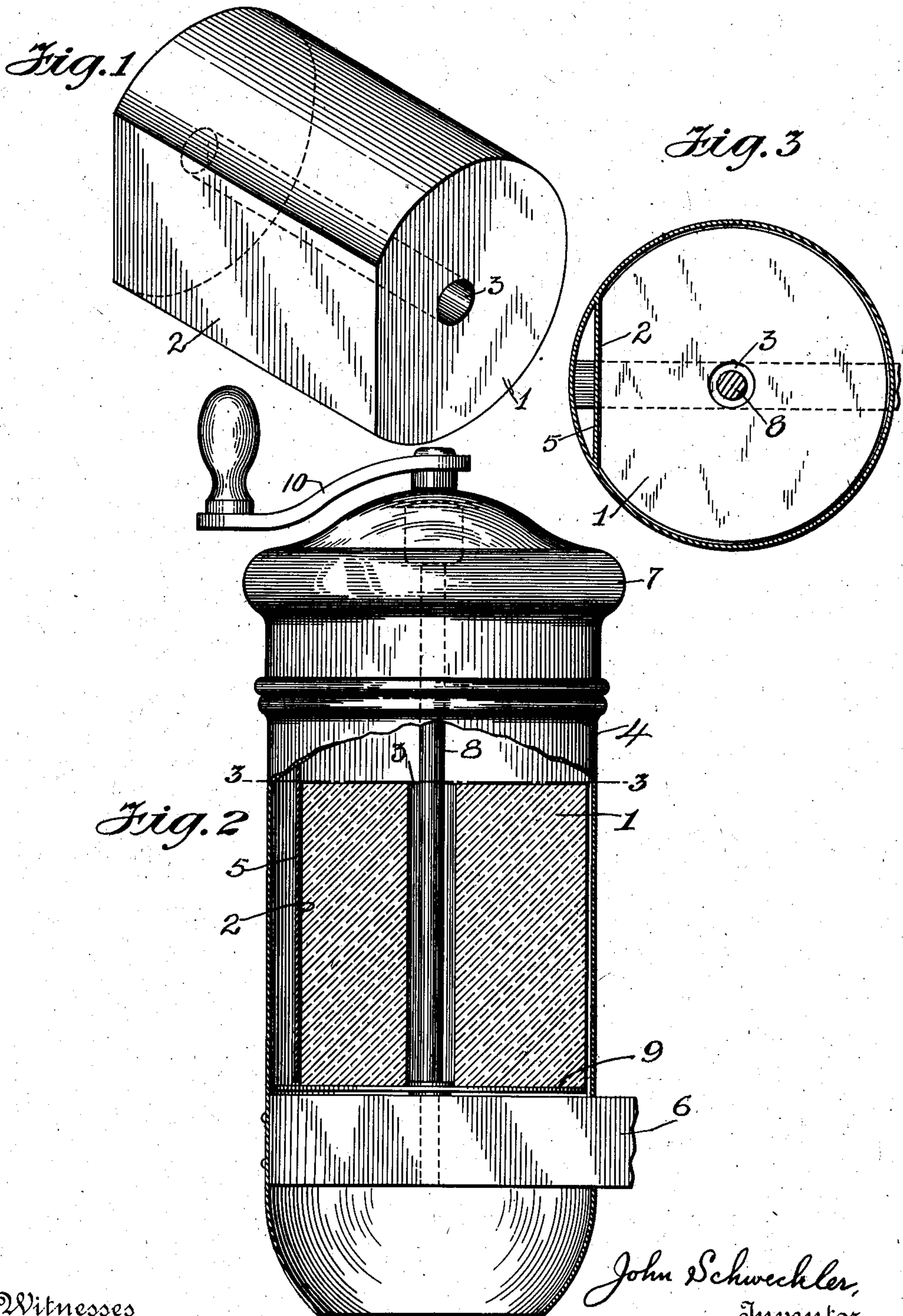
No. 824,152.

PATENTED JUNE 26, 1906.

J. SCHWECHLER.

CAKE OF SOAP.

APPLICATION FILED MAY 3, 1901.



Witnesses
Chas. F. Clagett
C. H. Wilder.

John Schwechler,
Inventor.
By his Attorney Lewis J. Doolittle

UNITED STATES PATENT OFFICE

JOHN SCHWECHLER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR, BY
MESNE ASSIGNMENTS, TO HYGIENIC SOAP GRANULATOR COMPANY,
A CORPORATION OF NEW JERSEY.

CAKE OF SOAP.

No. 824,152.

Specification of Letters Patent.

Patented June 26, 1906.

Application filed May 3, 1901. Serial No. 58,568.

To all whom it may concern:

Be it known that I, JOHN SCHWECHLER, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Cakes of Soap, of which the following is a specification.

This invention relates to a cake of soap, and more especially to a cake of soap adapted for use in a soap-dispensing machine.

It has for one of its objects to provide a cake of soap so formed that a portion thereof will engage a cooperating portion of the dispensing-machine, whereby relative movement is insured between the cake and a device employed to dispense the soap in relatively small particles.

Another object is to provide a cake of soap so constructed as to allow the entire body thereof to be disposed of without waste, said cake by reason of its peculiar construction also simplifying and rendering more efficient the operation of the dispensing-machine.

Other objects will be in part obvious and in part appear hereinafter.

The invention accordingly consists in the features of construction, which will be exemplified in a cake of soap hereinafter described and the scope of the application of which will be indicated in the following claims.

In the accompanying drawings, wherein is illustrated one of the various possible embodiments of my invention, Figure 1 is a view in perspective showing the same. Fig. 2 is a view in elevation, partly broken away, showing the cake positioned for use in one form of dispensing apparatus. Fig. 3 is a sectional view taken on line 3 3 of Fig. 2.

Similar reference characters refer to similar parts throughout the several views of the drawings.

Before entering into a description of the specific features of my invention and as conducing to a clearer understanding of some of the objects thereof it may here be noted that the indiscriminate use of cakes of toilet-soap is for hygienic reasons extremely undesirable, and especially is this true in places partaking of a public character, as diseases of a serious nature often result by reason of the contamination of soap used therein. For the above and other reasons it is desirable that cakes of soap used in such places be kept from con-

tact with the hands of the users, and one of the remedial methods proposed is to provide a machine capable of dispensing the soap from a bar or cake in a comminuted state, whereby the soap is not only maintained free from contagion, but is reduced to such form as to insure a more ready reduction to lather.

To the end, therefore, of eliminating the objections specified and securing the above and other advantages I have found it desirable to provide a cake of soap which by reason of its shape is especially adapted for use in a machine of the above character, as will be apparent from the following description thereof.

Referring now to the drawings, 1 denotes a bar or cake of soap constructed in accordance with one embodiment of my invention, which, as shown, is substantially cylindrical in shape, but is provided with a flat side 2, adapted to engage with a coacting portion of a dispensing-machine, and is further provided with a longitudinally-extending central opening 3.

In order to render my invention easier understood and the advantages thereof better appreciated, I have illustrated in Figs. 2 and 3 one form of dispensing apparatus designed to operate upon the bar or cake of soap forming the subject-matter of my present invention. It will be understood, of course, that the machine about to be described is but one of many in which the cake is capable of being used and is embodied herein merely for illustrative purposes.

In Figs. 2 and 3 I have shown at 4 the container of the machine, showing cake 1 located therein with the flat portion 2 engaging a cooperating portion 5 of the container. The machine is furnished with a supporting member 6 and a cover-section 7, carrying an operating spindle or shaft 8, which extends downwardly through the opening 3 in the cake of soap and has at its lower end a cutter, grater, or other soap-comminuting device 9. An operating crank or handle 10 is provided for shaft 8.

In the operation of the machine it will be seen that opening 3 in cake 1 accommodates shaft 8, and thus provides for the operation of the machine from a position convenient to the user, while the cooperating portion 2 of said cake engages portion 5 of container 4,

insuring relative movement between the cake 1 and the cutting or grating device 9 during the operation of the machine.

It will accordingly be seen that I have provided a cake of soap wherein the objects of my invention are achieved and wherein also the above and other advantages are secured. An important advantage inherent in the construction of the bar of soap above described resides in the fact that when a cutting or grating device is rotatively mounted for operation beneath said cake without the operating-shaft the centrally-arranged opening insures the utilization of the entire body of the cake.

As many changes could be made in the above construction and many apparently widely different embodiments of my invention could be made without departing from the scope thereof, I intend that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense.

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

1. As a new article of manufacture, a cake of soap having a curved side and a flat side, and an opening extending longitudinally through the central portion thereof.

2. As a new article of manufacture, a cake of soap, portions of which are comprised by

curved and flat surfaces, and an opening extending longitudinally-through the central portion of the same.

3. As a new article of manufacture, a bar or cake of soap substantially cylindrical in shape, but having a flat side and a circular bore extending longitudinally from end to end therethrough.

4. As a new article of manufacture, a cylindrically-shaped bar or cake of soap of greater length than diameter, and having a flat side and a bore extending longitudinally through the bar and open from end to end.

5. A cake of soap adapted for use in a soap-dispensing machine having a central opening therein provided for the use of a spindle operating a cutter, a portion of said cake being shaped to engage a retaining member to hold the cake in position during the process of cutting.

6. As a new article of manufacture, a cake of soap adapted for use in a machine which dispenses the same in fine particles and having an opening extending longitudinally therethrough, said cake being also provided with a portion adapted to be engaged by a cooperating portion of the machine whereby the soap is maintained in operative position during the operation of the machine.

JOHN SCHWECHLER.

Witnesses:

WM. CANER WIEDERSHEIM.

C. D. McVAY.