

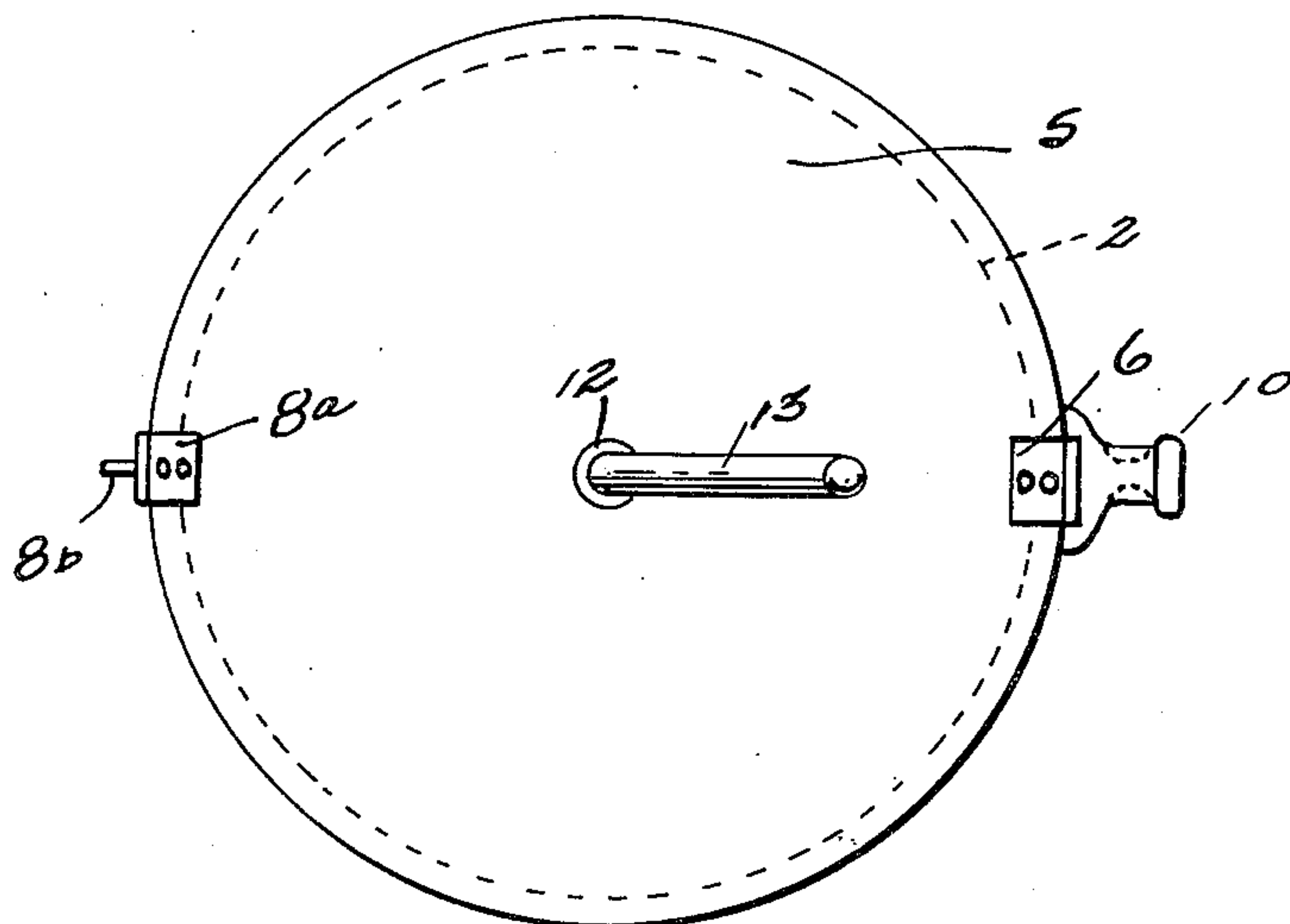
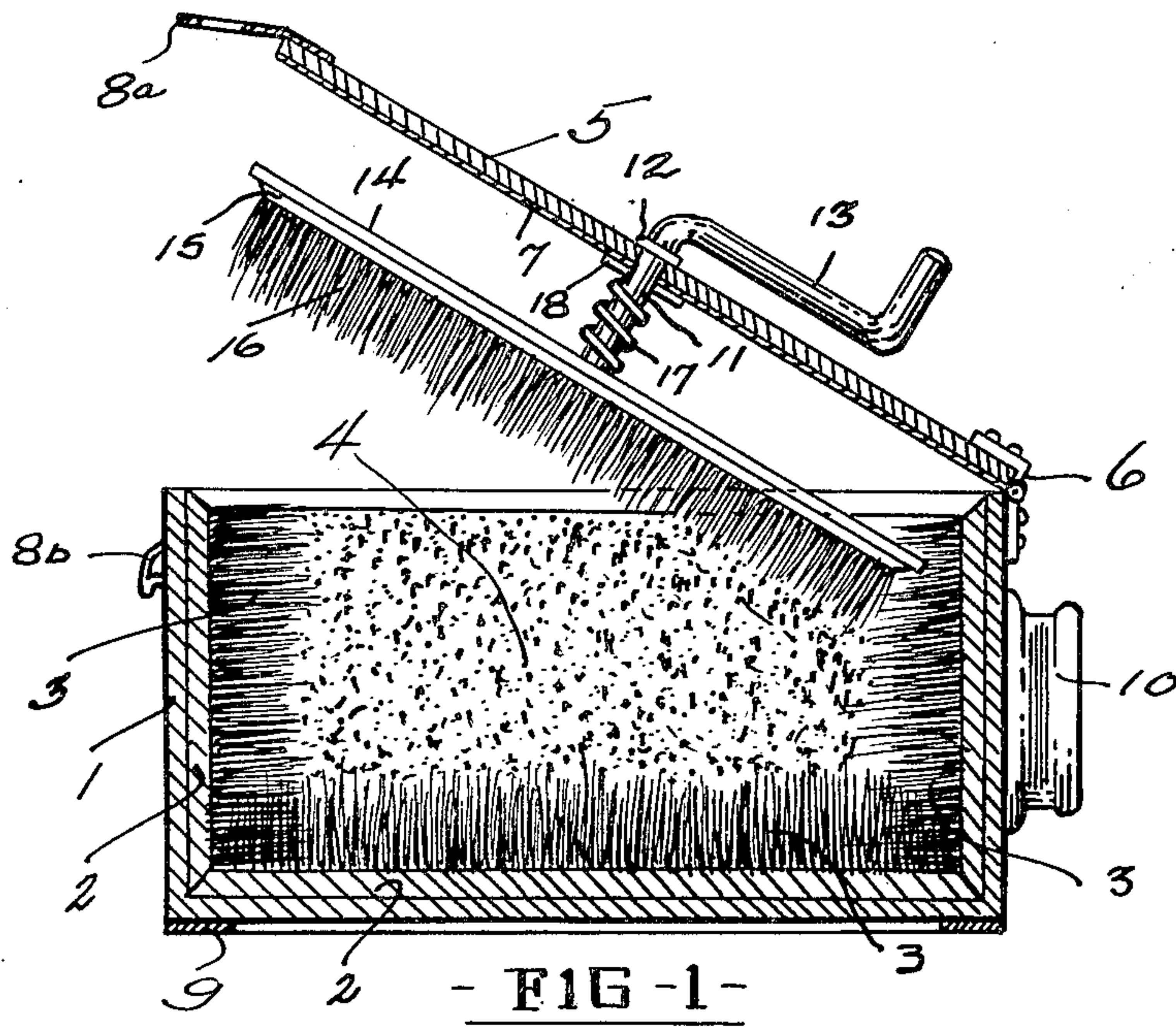
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CLEANING DEVICE FOR FALSE TEETH

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CLEANING DEVICE FOR FALSE TEETH.

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My present invention, in its broad aspect, has reference to improvements in cleaning devices of the type having a receptacle for receiving the object to be cleansed and lined
5 with bristles, and having a cover carrying a rotatable brush element for agitating and scouring the object in the receptacle. More particularly it is my purpose to provide a device of this character which is especially
10 adapted for use in cleaning false teeth or dental plates.

Ordinarily false teeth or dental plates must be scrubbed at least once a day to insure cleanliness and prevent the formation of toxic substances in the crevasses thereof. This is a tedious operation when done properly with an ordinary hand brush, and my device is designed to accomplish the purpose quickly,
15 thoroughly, and conveniently without the use of highly intricate mechanism or apparatus which cannot be kept in a thoroughly sanitary condition.

Other and equally important advantages of my invention may be briefly defined as follows; first, I provide a wholly watertight receptacle and cover thereby preventing splashing or leakage of the contents of my device; second, I provide a resiliently mounted plate to yieldingly press a set of false teeth in the
25 receptacle to cause the bristles to enter all crevasses and to give the necessary scouring action, as well as to accommodate false teeth or other objects of different sizes; third, I provide a container, which when closed, will
30 wholly surround the object to be cleaned with bristles, and; fourth, I attain all of the above and other objects with a simple, inexpensive and durable device.

Other and equally important objects and advantages will become apparent as the description of my invention proceeds, but while I have in the present instance defined for the sake of illustration a process or method of a certain specific nature, it will be understood
40 that I do not desire to limit myself except as may be indicated by the scope of the claims appended hereto and forming a part of this specification.

In the drawings wherein I have illustrated the preferred embodiment of my invention;—

Figure 1 is a sectional side elevation of my device, and; Figure 2 is a top plan view thereof.

In the drawing wherein like characters of
55 reference are used to designate like or simi-

lar parts throughout the several views thereof;—

The numeral (1) designates a receptacle which is preferably cylindrical in form and made out of sheet metal with watertight
60 seams. The receptacle (1) is lined at its sides and bottom with a brush or bristle device including backing material (2) in which the bristles (3) are set. The backing may be either permanently or removably attached to
65 the walls of the receptacle and the bristles extend toward the center thus providing a chamber (4) surrounded by bristles. A set of false teeth (not shown) is deposited in the chamber (4) when it is desired to cleanse
70 them.

My receptacle is provided with a cover (5) hinged at (6) thereto and provided with a seal (7) to form a water tight closure when the device is in use. A latch formed of co-
75 operating members (8^a) and (8^b) is provided to hold the cover closed. The receptacle is provided with a resilient base element (9) to prevent scratching or the like of a table, and a suitable handle (10).
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Rotatably and slidably mounted centrally of the cover is a shaft (11) having a bushing (12) and an operating handle (13). The shaft extends out from the under side of the cover and carries a plate (14) on which is
85 mounted the backing (15) and bristles (16). A spring (17) holds the shaft in the position shown in Figure 1, but the plate may be pushed in toward the cover against the resistance of the spring (17) to accommodate
90 sets of false teeth of different sizes and the like. A water proof gasket (18) is provided around the shaft to prevent leakage.

In operation a set of false teeth is placed in cavity (4) of the receptacle (1) and the
95 cover (5) closed down thereby bringing the bristles (16) to bear against the teeth. The plate being free to move toward the cover against the pressure exerted by the spring it is held against the teeth thus forcing the
100 bristles into each cavity thereof to thoroughly cleanse the same. The plate (14) is then rotated by the handle (13) to thoroughly scour the teeth, and if desired a suitable cleansing compound can first be placed in the
105 receptacle. The device is handy, compact and simple in construction and can be easily kept in a thoroughly sanitary condition.

While in the foregoing there has been illustrated in the drawings and described in the
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specification such combination and arrangement of elements as constitute the preferred embodiments of my invention, it is nevertheless desired to emphasize the fact that interpretation of the invention should only be conclusive when made in the light of the sub-joined claims.

I claim;—

1. A device of the character described comprising a hollow receptacle, bristles carried on the inner walls of the receptacle, a cover for the receptacle, a rotatable plate on the cover and extending into the receptacle and mounted for movement toward and away from the cover, a spring for urging the plate away from the cover, and bristles carried by the plate and extending into the receptacle.

2. A device of the character described comprising a hollow receptacle, bristles carried on the inner walls of the receptacle, a cover for the receptacle, a longitudinally movable

and rotatable shaft carried by the cover, a handle on the shaft, a plate on the shaft and extending into the receptacle, a spring about the shaft for urging the plate away from the cover, and bristles carried by the plate.

3. A device of the character described comprising a hollow watertight receptacle, bristles wholly covering the inner surfaces of the receptacle, a cover for the receptacle, means for sealing the cover when it is closed, a rotatable and longitudinally movable shaft carried by the cover, a spring exerting its force against longitudinal movement of the shaft, a plate on the shaft and extending into the receptacle, and bristles wholly covering that surface of the plate presented toward the receptacle.

In testimony whereof, I affix my signature hereunto.

HARRY GARRISON HALL.