E. V. D. ROUSSEAU.

SHAVING LATHER PRODUCER.

APPLICATION FILED DEC. 14, 1914.

1,191,737.

Patented July 18, 1916.

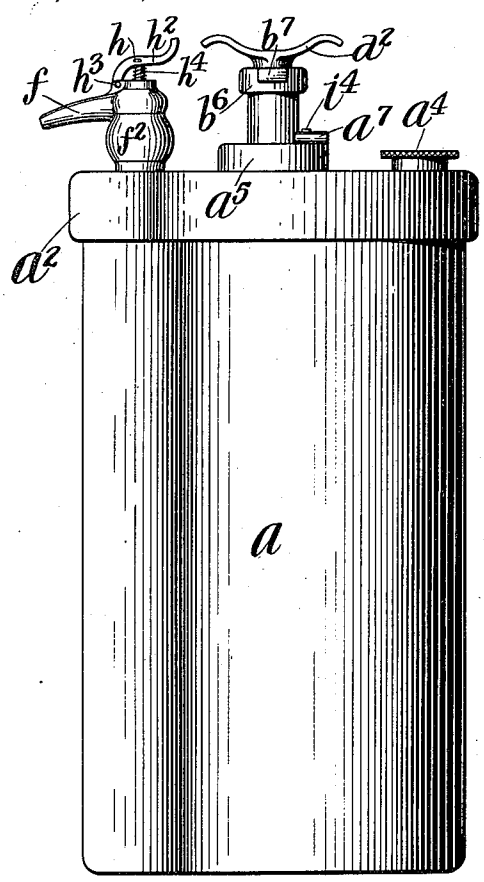


FIG. 1.

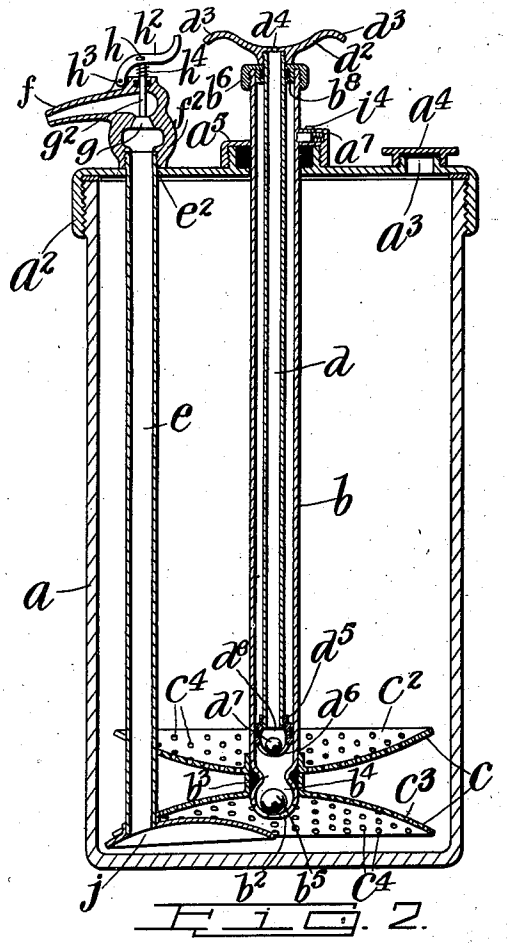


FIG. 2.

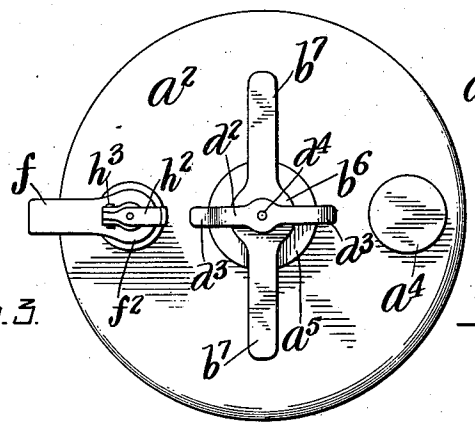


FIG. 3.

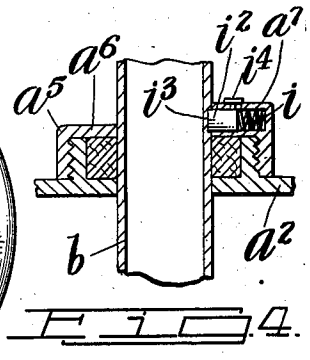


FIG. 4.

Witnesses:

W. C. Thompson.

C. Cudreany

Inventor

Elbert V. D. Rousseau,

By his Attorneys Edgar Tate & Co.

UNITED STATES PATENT OFFICE.

ELBERT V. D. ROUSSEAU, OF BOUNDBROOK, NEW JERSEY.

SHAVING-LATHER PRODUCER.

1,191,737. Specification of Letters Patent. Patented July 18, 1916.

Application filed December 14, 1914. Serial No. 877,127.

To all whom it may concern:

Be it known that I, ELBERT V. D. ROUSSEAU, a citizen of the United States, and residing at Boundbrook, in the county of Somerset and State of New Jersey, have invented certain new and useful Improvements in Shaving-Lather Producers, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to lather producers used by barbers, and the object thereof is to provide an improved device of this class which will be simple and comparatively inexpensive in construction, and which may be easily and quickly manipulated and will be effective in operation; and with this and other objects in view the invention consists in a device of the class specified, constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is a side elevation of my improved lather producing device; Fig. 2 a central vertical section thereof; Fig. 3 a plan view; and, Fig. 4 a view similar to Fig. 2 but showing only a detail of the construction and showing the same on an enlarged scale.

In the practice of my invention, I provide a receptacle a which is preferably of the form of an ordinary can and which is also provided with a removable cover a^2 which, in the form of construction shown, is threaded onto the can a, but which may be detachably connected therewith in any desired manner. The cover a^2 is provided in one side portion thereof with a filling aperture a^3 closed by a detachable cap a^4 and through which soap and water may be passed to fill, or partially fill the can in the operation of the device. The central part of the cover a^2 is provided with a stuffing box a^5 through which is passed a main plunger tube b provided at its lower end with a plunger head c composed, in the form of construction shown, of an upper concavo-convex disk c^2 and a bottom or lower convex-concavo disk c^3. Both of the disks c^2 and c^3 are perforated as shown at c^4, or provided with numerous apertures, and the tube b passes through the plunger head c and is provided in the lower end thereof with ports b^2. The lower end portion of the tube b is contracted as shown at b^3 to form a valve seat and a valve chamber b^4 in which is placed a ball valve b^5 which operates in connection with the valve seat b^3. The tube b is also provided at the top thereof with a head b^6 having radial arms b^7, and said head is also provided with a stuffing box b^8 through which is passed a supplemental pump tube d which extends downwardly into the tube b and is approximately of the same length. The tube d is provided at its upper end with a head d^2 having radial arms d^3 in which is formed a central air inlet port d^4, and said tube d is also provided at its lower end with a hollow spherical piston head d^5 provided in the bottom thereof with ports or passages d^6, and the piston head d^5 forms a valve chamber in which is placed a spherical valve d^7, and the lower end of the tube d forms a valve seat d^8 in connection with which the valve d^7 operates.

In one side portion of the can a is a vertically arranged tube e which passes loosely and eccentrically through the parts c^2 and c^3 of the plunger head c and which is rigidly secured in the cover a^2. The upper end of the tube e passes through the cover a^2 as shown at e^2 and is provided with a discharge spout f having a body portion f^2 screwed onto the tube e and the passage through which is controlled by a valve g having a stem g^2 which passes through the top of the head f^2, and with which is connected at h a thumb lever h^2 pivoted at h^3, and between the thumb lever h^2 and the body f^2 is placed a spring h^4 which normally holds the valve g in a closed position. I also provide means for locking the tube b in the position shown in Figs. 1 and 2, and for this purpose the cap a^6 of the stuffing box a^5 is provided, in the form of construction shown, and at one side thereof, with a raised casing a^7 in which is placed a spiral spring i between which and the tube b is placed a lock plug i^2, and the lock plug i^2 normally operates in a recess i^3 in the outer side of the tube b, and a headed pin i^4 is passed downwardly through a radial slot in the top of the casing a^7 and into the lock plug i^2. This construction is most clearly shown in Fig. 4, and by means thereof the tube b is normally locked in its innermost position as shown in Fig. 2.

In the operation of this device predetermined amounts of water and powdered soap

are passed into the can *a* and the lock plug i^2 is moved outwardly so that the tube *b* may be raised by grasping the arms b^7 of the head b^6 thereof, and said tube including the plunger head *c* is manipulated in the manner of a plunger to beat up and form a lather of water and soap. In this operation, it will be understood, of course, that the tube *b* and *d* are manipulated together, or as one element of a complete plunger, the other part of which consists of the head *c* which forms a beater. When the lather has been formed, as above described, it is placed under air pressure by manipulating the tube *d*, which operates in connection with the tube *b* to form an air pump, and by means of this construction the lather in the can *a* may be placed under any desired pressure, and when a portion of said lather is required for use all that is necessary is to depress the thumb lever h^2 and the lather will be forced out through the tube *e* and through the discharge spout *f*. I also preferably provide the lower end of the tube *e* with a funnel-shaped or similar terminal head *j* which will facilitate the feeding thereinto and the passing therethrough of the lather, as will be readily understood, and while I have shown and described the preferred form of my improvement, my invention is not limited to the details of construction herein shown and described, and changes therein and modifications thereof may be made, within the scope of the appended claims, without departing from the spirit of my invention or sacrificing its advantages. It will also be understood that my improved lather producer may be made of any desired dimensions or capacity and of any preferred form, and any suitable material may be employed in the construction thereof.

In the use of this device the lather is discharged from the spout *f* directly onto the face, or may be discharged into the hand and applied to the face, and is preferably rubbed onto the face by the hand without the use of a brush, and the device is thus made sanitary in every respect as no dust, dirt or other substance can get into the can *a* when in use. The lather may, however, be applied by means of a brush, if desired, and instead of using soap and water, as herein described from which the lather is formed in the can *a*, liquid soap may be used and made into a lather as will be readily understood.

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

1. In a lather producing device, a receptacle provided with a cover, a tube fixed in one side portion thereof and passing out through the cover and provided with a discharge spout having a valve, and a combination plunger and pump device involving a main outer tube and a supplemental inner tube, said main outer tube being movable vertically through the cover and the supplemental inner tube being movable vertically in the main outer tube, and means for locking the main outer tube to the cover.

2. In a lather producing device, a receptacle provided with a cover, a tube fixed in one side portion thereof and one end of which passes out through the cover and is provided with a discharge spout, and the other end of which passes down into the receptacle and is provided with an inverted funnel-shaped head, and a combination plunger or pump device involving a main outer tube and a supplemental inner tube, said main outer tube being movable vertically through the cover and the supplemental inner tube being movable vertically in the main outer tube, and means for locking the main outer tube to the cover.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 10th day of December 1914.

ELBERT V. D. ROUSSEAU.

Witnesses:
C. MULREANY,
H. I. THOMPSON.