A. CIAI.

BARBER'S BRUSH.

APPLICATION FILED MAR. 20, 1915.

1,175,705.

Patented Mar. 14, 1916.

FIG. 1.



FIG. 3.

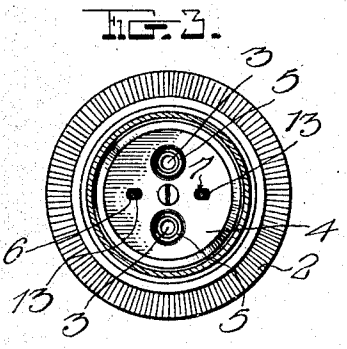


FIG. 4.

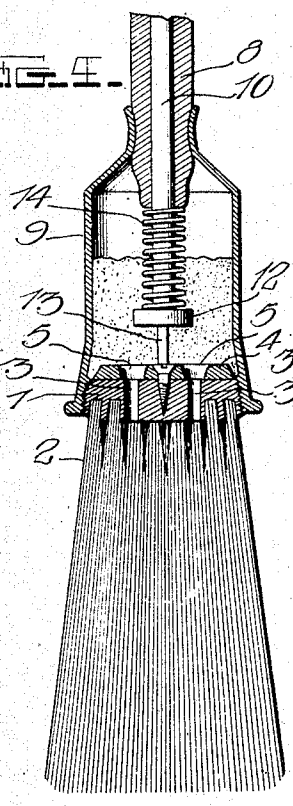
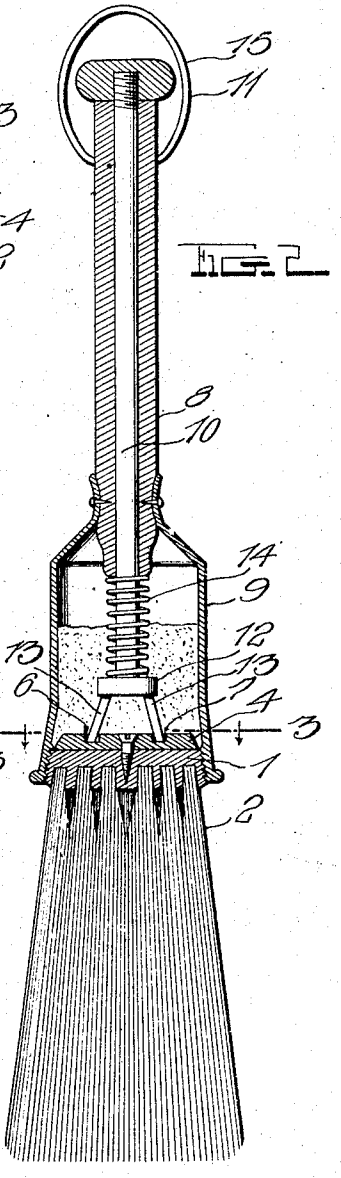


FIG. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

ADOLFO CIAI, OF POUGHKEEPSIE, NEW YORK.

BARBER'S BRUSH.

1,175,705. Specification of Letters Patent. Patented Mar. 14, 1916.

Application field March 20, 1915. Serial No. 15,901.

To all whom it may concern:

Be it known that I, ADOLFO CIAI, a subject of the King of Italy, residing at Poughkeepsie, in the county of Dutchess and State of New York, have invented certain new and useful Improvements in Barbers' Brushes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to brushes and more particularly to fountain brushes.

The object of the invention is to provide a brush of the type usually employed by barbers to remove cut hair from the face and neck and to apply powder, in which the powder will be contained within the handle of the brush and may be admitted to the bristles by the user when desired.

The further object is to provide a device of this character in which mechanism contained within the handle may be operated to permit the passage of powder to the bristles which operation will act to prevent packing of the powder within the handle.

With this and other objects in view the invention consists of certain novel features of construction, combination and arrangement of parts and will be hereinafter more fully described and claimed.

In the accompanying drawings, Figure 1 represents a side elevation of a brush constructed in accordance with this invention. Fig. 2 is a longitudinal, vertical section thereof. Fig. 3 is a transverse section taken on the line 3—3 of Fig. 2. Fig. 4 is a longitudinal vertical section taken on a plane at right angles to that shown in Fig. 2 and with the handle broken off.

In the embodiment illustrated a brush of this character is shown embodying the usual head 1 here shown in the form of a cylindrical block having bristles 2 secured in tufts thereto. This block is provided with apertures 3 any desired number of which may be employed, two being here shown disposed at diametrically opposite points. A disk 4 is revolubly mounted on the head 1 on the face opposite that carrying the bristles 2 and is shown provided with two apertures 5 positioned to register with the apertures 3 in the block 1 when the disk is turned in one position and to partially or entirely close them when turned further for a purpose to be described. These apertures 5 are here shown larger than the apertures 3 and preferably have their walls flared outwardly and upwardly to facilitate the feeding of the material to the apertures in the head. These apertures 5 are here arranged diametrically opposite and between them are recesses 6 and 7 forming sockets to receive valve actuating means to be described.

A hollow handle 8 is shown provided at one end with an inverted cup-shaped receptacle 9 which is designed to be detachably connected with the circular head 1 of the brush by any suitable means, the mouth of the cup being here shown with the head 1 disposed therein and having threaded engagement therewith to provide for the removal of the head when it is desired to fill the cup with powder or other material to be supplied to the brush.

A stem of shank 10 extends through the hollow handle 8 and is provided at its outer end with a knob 11. The inner end of this shank 10 projects beyond the inner end of the handle 8 into the cup 9 and is provided at its free end with a head 12 here shown provided with longitudinally extending, diverging prongs 13 which are adapted to engage the sockets 6 and 7 of the disk 4 and are held in engagement with said disk by means of a coiled spring 14 which is mounted on the shank between the inner end of the handle 8 of the head 12 and exerts its pressure to normally hold the prongs of said head in yielding engagement with said head in engagement with the sockets 6 and 7. This action of the spring also tends to hold the knob 11 in engagement with the outer end of the handle 8 forming a closure therefor.

A bail 15 is shown secured to the handle 8 for suspending the device from a suitable support.

In the use of this invention the cup-shaped receptacle 9 is first filled with a suitable powder to be dispensed through the apertures in the head 1 and to be distributed by the bristles 2 of the brush. The head 7 is then secured in said cup and the prongs 13 positioned to engage the sockets 6 and 7 to

provide for the turning of the disk 4 for controlling the supply of powder to be fed to the brush. The turning of the valve is accomplished by means of the knob 11 connected with the shank 10 and said knob may be turned any desired distance for opening or closing the apertures 3 in the head 1, it being obvious that the turning of said disk a predetermined distance will bring the apertures 5 in register with the apertures 3 and thus permit the contents of the cup 9 to flow freely out into the bristles of the brush by which it is distributed when the brush is dusted over the face of the patient or any other part. Should the powder in the cup become packed it may be loosened by drawing out the shank 10 against the tension of the spring 14 and rotating said shank thereby imparting a rotary movement to the pronged head 12 whereby the powder is thoroughly agitated and loosened in the cup.

When the knob 11 is released the spring 14 will return the prongs 13 into engagement with the disk 4 and a slight turn thereof will cause the said prongs to snap into the recesses 6 and 7 whereby the head is connected with the disk and the device again ready for operation.

From the above description it will be obvious that the valve or disk 4 may be set to feed the desired quantity of powder from the cup and the brush may be then used in the manner of brushes of this character by wiping it over the face of the person after being shaved.

I claim as my invention:

1. A fountain brush comprising a head having an aperture therein and bristles on its outer face, an apertured disk member revolubly mounted on the inner face of said head, a supply receptacle connected with said head, a spring pressed disk operating member rotatably mounted in said receptacle, and coöperating means on said disk and member for detachably connecting them.

2. A fountain brush comprising an apertured head having bristles on its outer face, a receptacle carried by the head, a rotary valve on the inner face of the head to open and close the apertures in the latter and having seats on its inner side, a spring pressed combined powder agitating and valve actuating member slidably and rotatably mounted, and agitating prongs carried by said member adapted to engage the seats in the valve to turn the same and when disengaged from said seats to agitate the powder in the receptacle when said member is retracted and rotated.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ADOLFO CIAI.

Witnesses:

JOSEPH MINELLA,

C. W. H. ARNOLD.