April 22, 1924. 1,491,261

M. J. HARFORD

HAIRBRUSH

Filed April 11, 1923

Fig. 1.

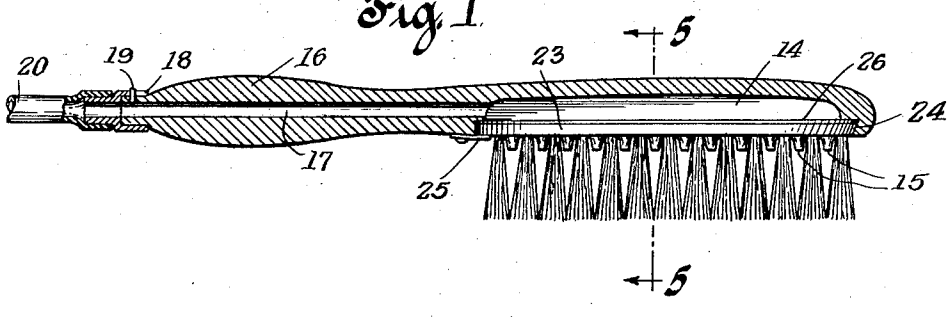
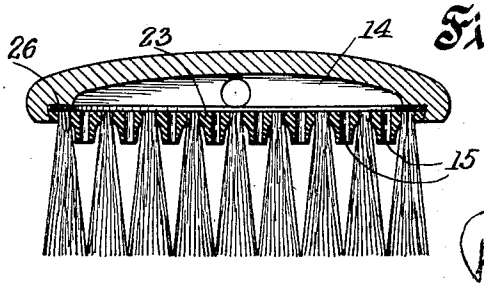


Fig. 2.



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BY

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UNITED STATES PATENT OFFICE.

MATTHEW J. HARFORD, OF BRONX, NEW YORK.

HAIRBRUSH.

Application filed April 11, 1923. Serial No. 631,324.

To all whom it may concern:

Be it known that I, MATTHEW J. HARFORD, a citizen of the United States, and a resident of the Bronx, county and State of New York, have invented certain new and useful Improvements in Hairbrushes, of which the following is a specification.

The objects of this invention are to provide a brush for removing dust and dandruff from the hair and scalp, which will be sanitary and self-cleaning and which will be of convenient size and shape, easily handled and of simple, practical, inexpensive construction.

In the accomplishment of the foregoing and other objects the brush is constructed with suction nozzles in between the bristles or teeth and is connected with suction producing apparatus so that in the use of the implement the hair and the scalp will be cleansed and subjected to invigorating influences.

The details of construction will be apparent from the accompanying drawing which illustrates practical. and at the present time a preferred embodiment of the invention.

Figure 1 is a broken and part sectional view of the brush.

Figure 2 is an enlarged cross sectional view of the brush on substantially the plane of line 5—5 of Figure 1.

The brush is provided with a suction chamber 14 in back of the bristles with suction nozzles 15 in communication therewith and opening into the spaces between the groups of bristles. The handle 16 is also provided with an outlet 17 therethrough fitted to receive the coupling sleeve 18 which is detachably held by a bayonet joint at 19 and is provided with tubing 20 leading to the suction producing device.

The bristles and the suction nozzles are shown as carried by a back plate 23 detachably held within the cavity formed in the body of the brush by being engaged at its forward end beneath an undercut portion or overstanding rib 24 and at the rear by a swing clip 25. To provide an airtight seat for the bristle back there is shown a gasket 26 disposed in the brush cavity and engaged by the rim of the back plate. With the construction described it is possible by loosening the clip 25 to drop the rear end of the bristle back and slip the front end from beneath the confining flange at 24. When thus removed the bristles can be quickly cleaned or a new back can be substituted, having a different character of bristles or suction nozzles, for instance.

In addition to the usual functions, the brush of this invention serves to stimulate and keep the hair and scalp clean and free of dandruff and the like. The implement itself is kept always clean and sanitary.

The brush need be no larger than the usual implements of this kind. Furthermore, it is quickly detachable from the suction tube and so when the suction treatment is not desired may be used as any ordinary brush.

What I claim is:

A vacuum brush or the like comprising a body having a suction chamber in the back of the same and a handle with a suction passage extending therethrough into communication with said chamber, said suction chamber having a seat about the rim of the same set into the body, a unitary brush back consisting of a substantially flat plate of a size and shape to fit into the seat and carrying tufts of bristles with tapered suction nozzles extending from the face of the plate in between the bristle tufts to thereby create a suction flow about said bristle elements and means for releasably confining said nozzle and bristle plate in position closing the suction chamber.

In witness whereof, I have hereunto set my hand this 6th day of April, 1923.

MATTHEW J. HARFORD.