

No. 697,743.

Patented Apr. 15, 1902.

W. J. O'HARA.  
DEVICE FOR DRYING HAIR.

(Application filed Feb. 28, 1900. Renewed Feb. 28, 1902.)

(No Model.)

Fig. 1.

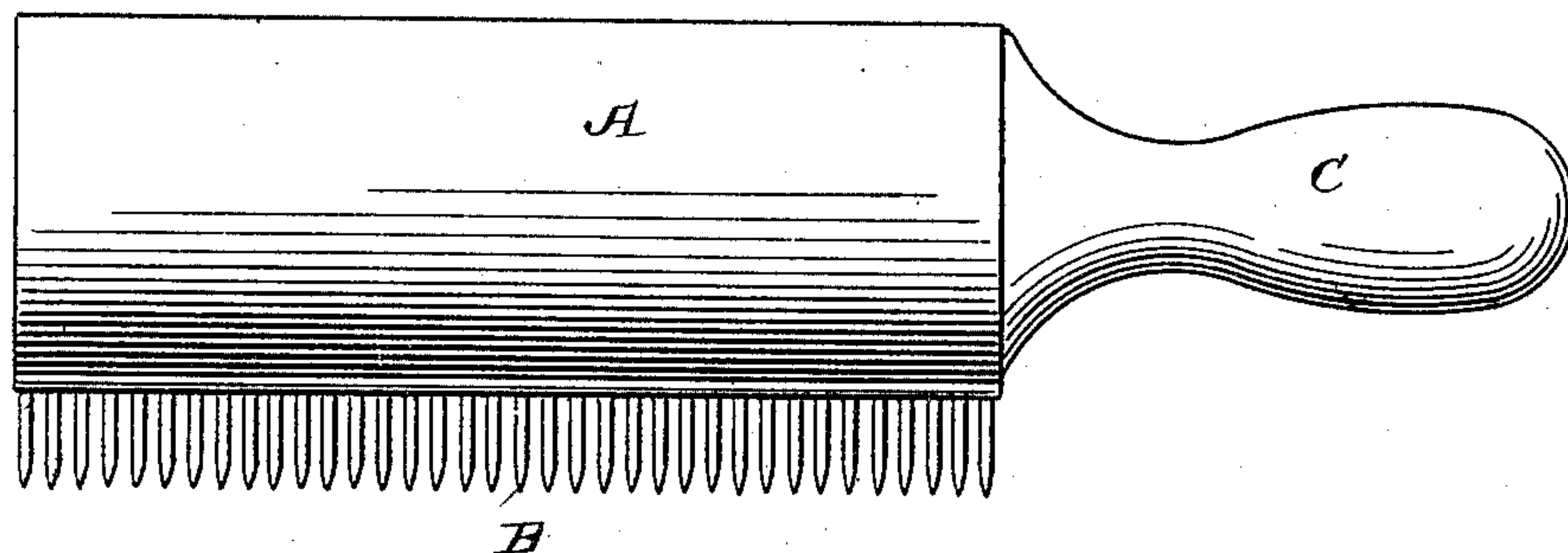


Fig. 2.

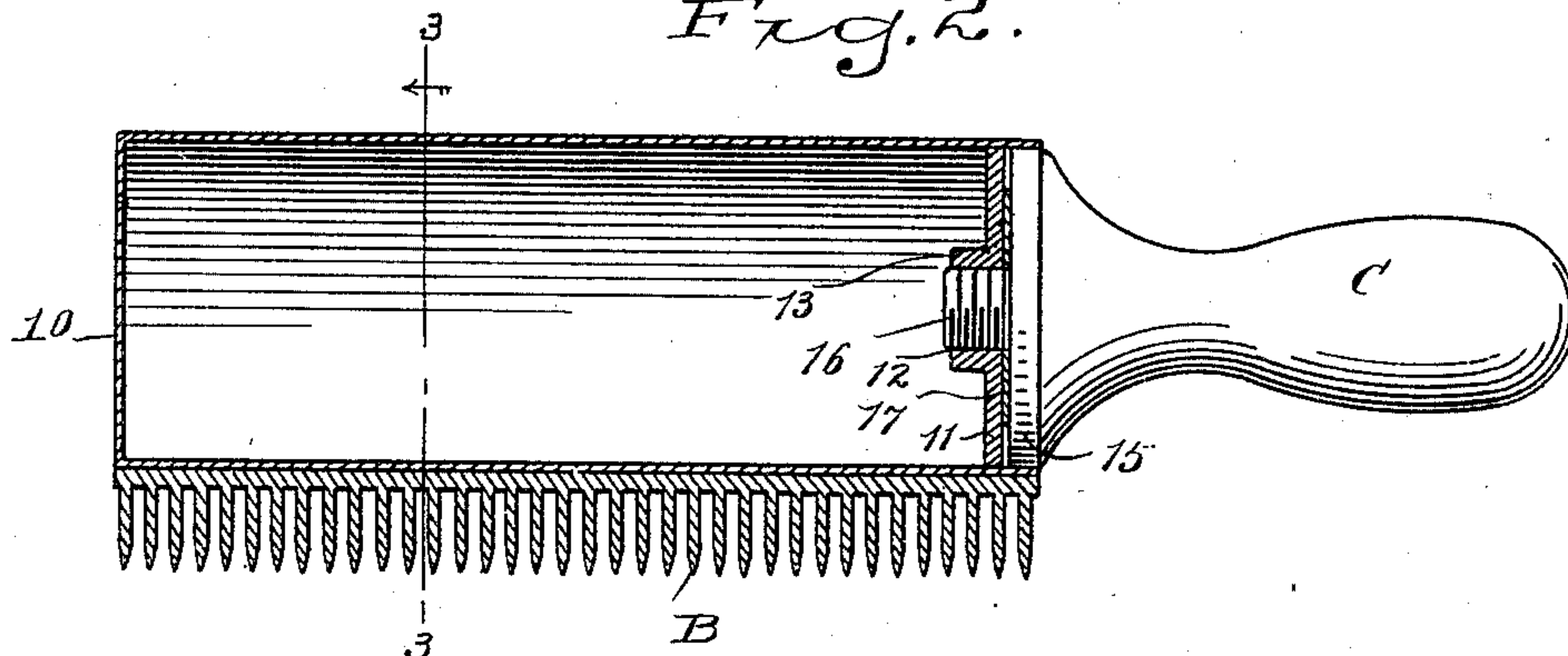


Fig. 3.

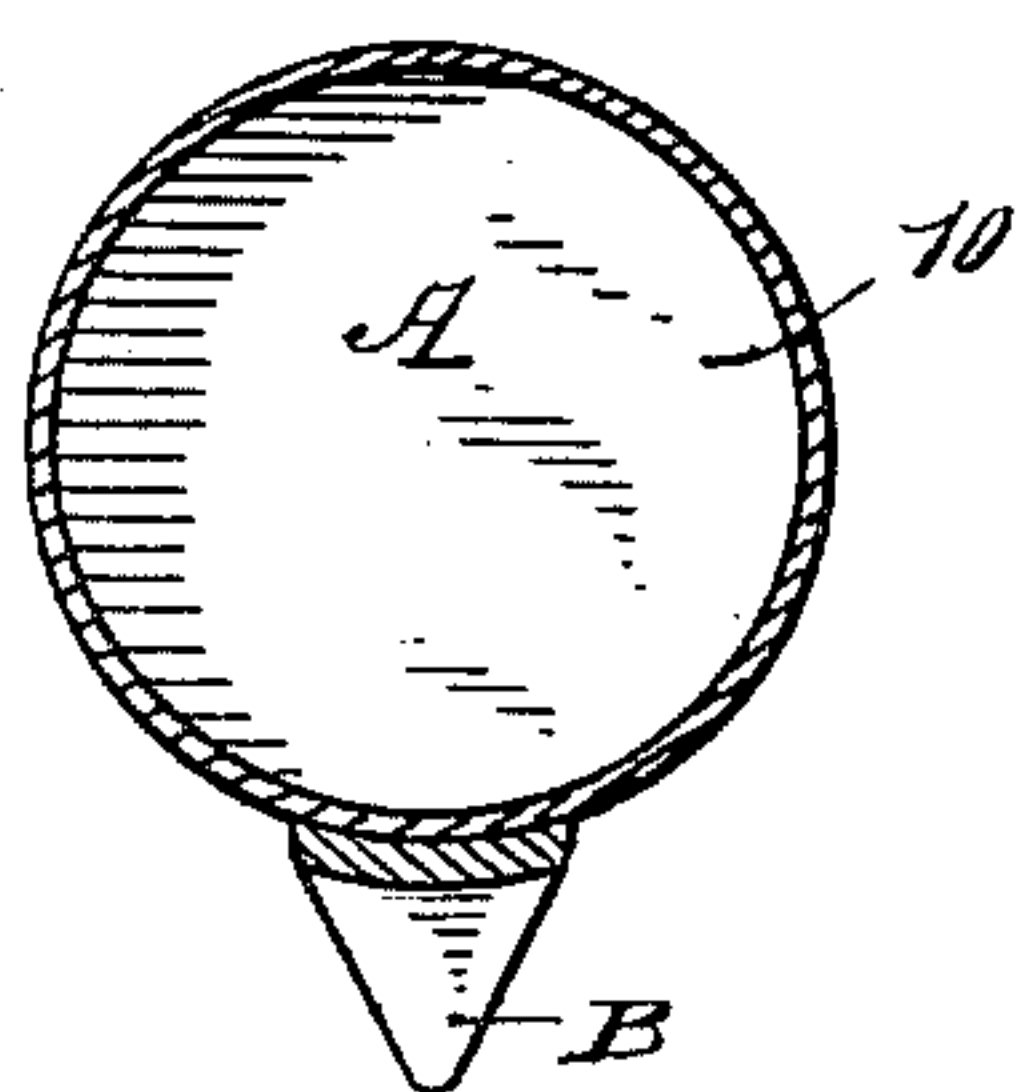


Fig. 4.

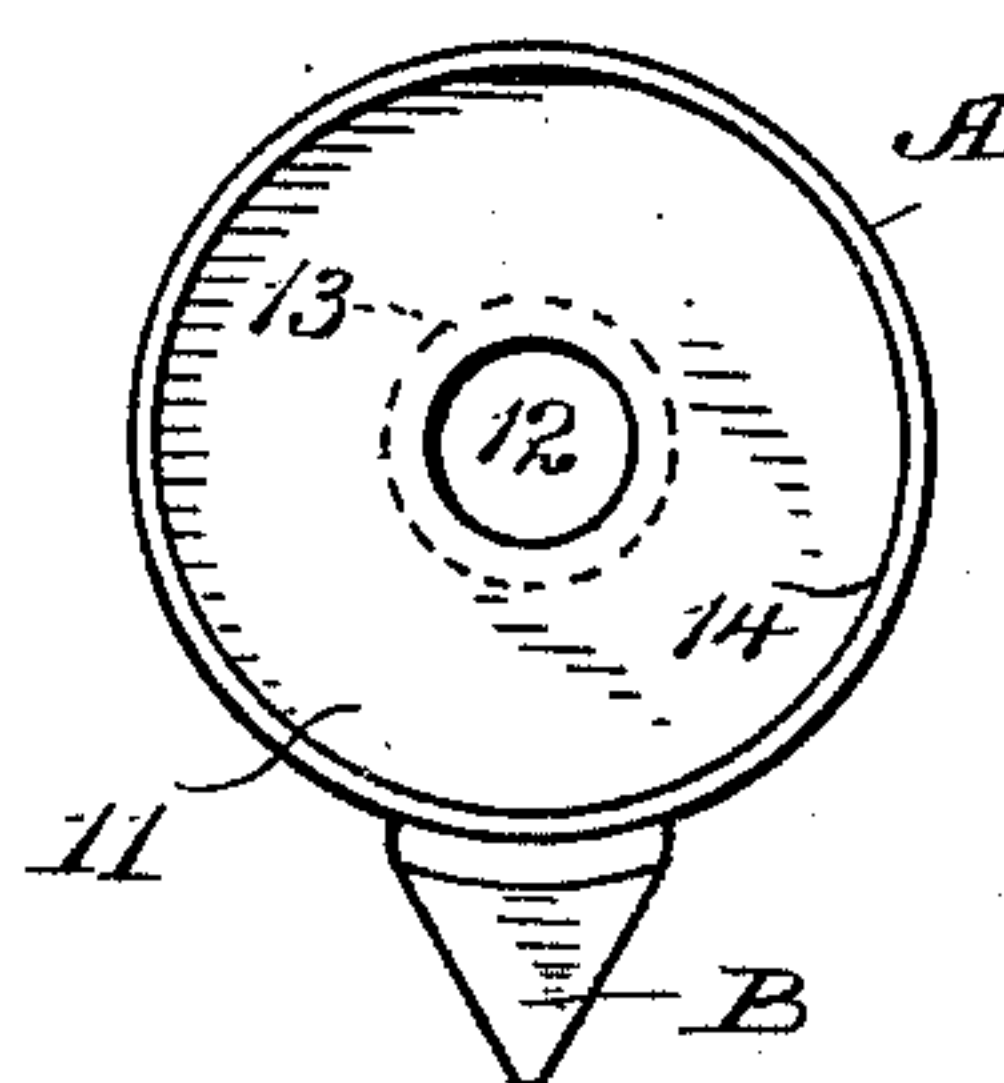
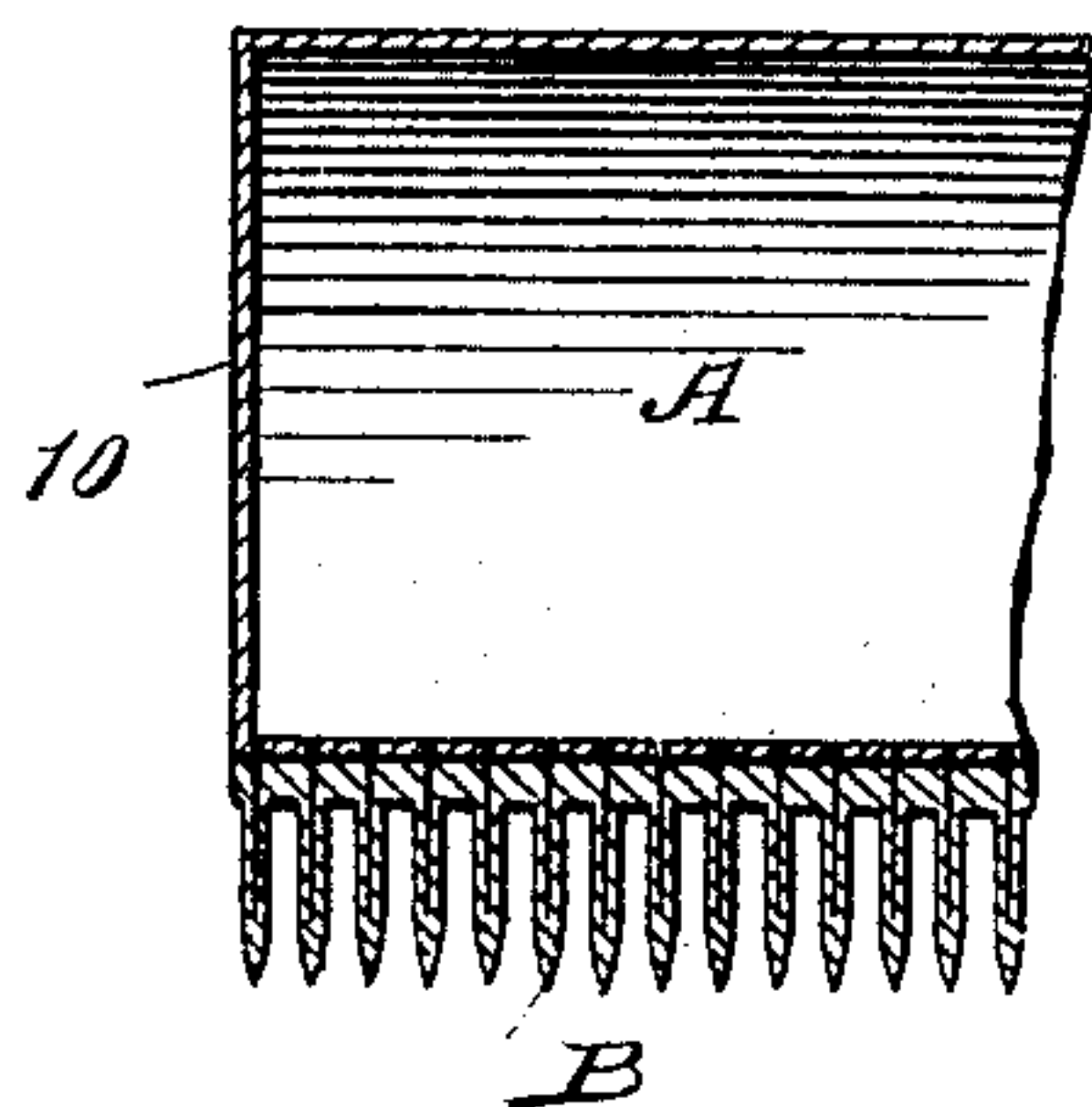


Fig. 5.



WITNESSES

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By A. M. Broster  
Att'y



# UNITED STATES PATENT OFFICE.

WILLIAM J. O'HARA, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR OF ONE-THIRD TO CHARLES F. TUCKER, OF HARTFORD, CONNECTICUT.

## DEVICE FOR DRYING HAIR.

SPECIFICATION forming part of Letters Patent No. 697,743, dated April 15, 1902.

Application filed February 28, 1900. Renewed February 28, 1902. Serial No. 96,134. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM J. O'HARA, a citizen of the United States, residing at Bridgeport, county of Fairfield, State of Connecticut, have invented a new and useful Device for Drying Hair, of which the following is a specification.

My invention has for its object to provide a simple and inexpensive device for drying hair which shall be so easy and convenient to use as to adapt it for general use and place it within the reach of all.

It is of course well understood that the drying of a luxuriant growth of hair after bathing or shampooing is a matter of considerable inconvenience and requires considerable time. I am aware that various means have heretofore been used in ladies' hair-dressing establishments and in barber-shops for drying the hair after shampooing. These devices, so far as I am aware, however, have been cumbersome and expensive and wholly impractical for personal use.

With the end in view of providing a device so inexpensive as to be within the reach of all and so convenient to use as to make it a standard toilet article I have devised the novel hair-drying device of which the following description, in connection with the accompanying drawings, is a specification, reference characters being used to designate the several parts.

Figure 1 is an elevation of my novel device complete; Fig. 2, a longitudinal section thereof; Fig. 3, a section on the line 3 3 in Fig. 2; Fig. 4, an elevation as seen from the right in Figs. 1 and 2, the handle being removed; and Fig. 5 is a sectional view corresponding with Fig. 2, illustrating a form of my novel device in which the teeth are made hollow.

My novel hair-drying device consists, essentially, of a hollow conductive body, which I have designated by A, teeth extending therefrom, which I have designated by B, and a non-conductive handle, which I have designated by C. The body is preferably made of metal on account of its well-known property of conducting and radiating heat. The shape of the body is wholly unimportant so far as my present invention is concerned, it being contemplated that the body be made of any preferred configuration or ornamentation. In

the present instance I have shown the body as a cylinder having a closed head 10 at one end and near the other end a head 11, having a threaded central opening 12. The sides of the body and head 10 are preferably drawn in a single piece from sheet metal, for the reason that by so constructing the body the number of joints in said body are greatly lessened, thereby providing a fluid-tight body having a perfectly smooth seamless exterior surface. The head 11 may also be stamped from sheet metal and is preferably provided with an inwardly-turned flange 13, around opening 12, to give greater length of thread for the attachment of the handle. Outside of head 11—that is, between said head and the end of the body—is a recess 14, which receives a head 15 upon the handle.

16 denotes a screw extending from head 15 and adapted to engage the thread of opening 12, and thus close the opening in the body.

17 denotes a packing-washer lying between heads 11 and 15 to insure a perfectly tight connection.

The special shape and material of the handle are not of the essence of my invention, it being simply required that the handle be non-conductive for convenience in using the implement.

The opening in the body may of course be in any convenient position and may be closed in any suitable manner. For example, so far as my invention is concerned the opening may be in any portion of the body and may be closed in any suitable manner, as by a cork. These changes in the details of construction being easily within the province of the manufacturer are not thought to require illustration. I preferably, as already described, make the handle serve also as a stopper to close the opening in the body. If preferred, however, the handle may be permanently secured to the body, and the opening in the body placed elsewhere and closed in any preferred manner.

The teeth B are preferably formed on a strip separate from the body portion or fluid-receptacle A, and said strip is secured in place on the body A by soldering or other suitable means. By making the teeth B on a separate strip the cost of production of the



device is greatly reduced, as the body can be readily drawn from sheet metal, as hereinbefore stated, and the toothed strip struck up and attached to said body. Furthermore, 5 if the teeth B become broken, bent, or rusted from long use the strip carrying the teeth may be readily removed from the body A and a new one substituted without the necessity of throwing away the rest of the device. It 10 will be seen that the teeth B are made comparatively thin and that they are quite wide at their bases, tapering rather abruptly to a point. This construction of tooth, it is apparent, gives a very large drying area over 15 which the hair passes when the device is drawn through the hair, thus giving quicker and more effective drying action than where the teeth are round, and yet on account of the thinness of said teeth B they offer no 20 hindrance to the passage of the comb or drier through the hair.

The operation will be readily understood from the drawings. The user simply fills the body with hot water and closes the opening, 25 in the present instance by turning the handle to place, the packing-washer insuring a perfectly tight connection. Whether the teeth are made hollow or not, they are immediately heated by the water within the body 30 and will remain heated long enough to dry hair completely after bathing or after a shampoo. As the handle is made non-conductive, the implement may be handled and used without the slightest inconvenience.

35 Having thus described my invention, I claim—

1. A hair-drying device comprising a hollow head, a heat conducting and diffusing body,

a non-conductive handle therefor, and an independent toothed strip secured to said body, 40 said strip having a series of relatively thin teeth which are wide at their bases and taper abruptly at their points, whereby a large drying area is provided.

2. A hair-drying device comprising a hollow, 45 seamless body portion of heat conducting and diffusing material, said body portion having a water-inlet in one end thereof, means for closing said water-inlet, a non-conductive handle for said body, and an independent 50 toothed strip secured to said body but removable therefrom, said strip being provided with relatively thin teeth which are wide at their bases and taper abruptly toward their points, whereby a large drying area is provided. 55

3. A hair-drying comb or device having a hollow, seamless body portion of heat conducting and diffusing material to form a receptacle for the heating medium, a water-inlet 60 in one end of said body, a non-conductive handle adapted to screw into and close said water-inlet and thereby serve as a handle and stopper for the said body portion, and an independent toothed strip secured to but removable from said body portion, said strip 65 being provided with relatively thin hollow teeth which are wide at their bases and taper abruptly toward their points whereby a large drying area is provided.

In testimony whereof I affix my signature 70 in presence of two witnesses.

WILLIAM J. O'HARA.

Witnesses:

A. M. WOOSTER,  
S. W. ATHERTON.