

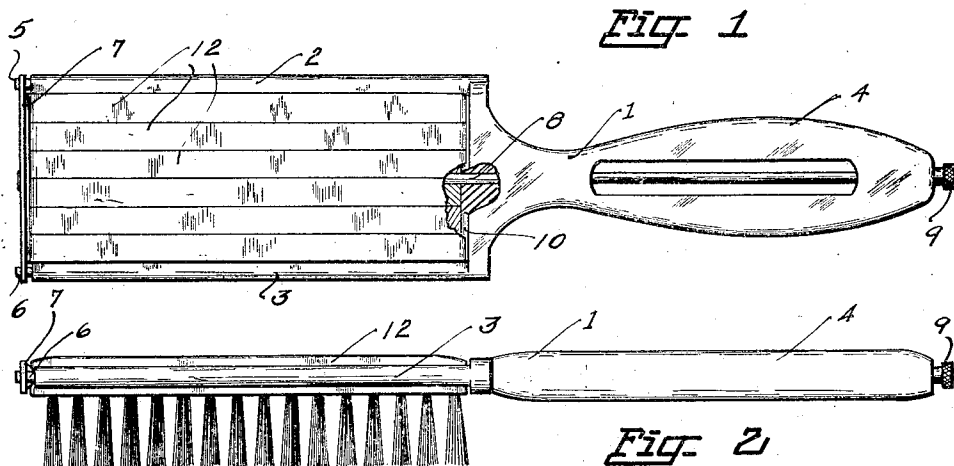
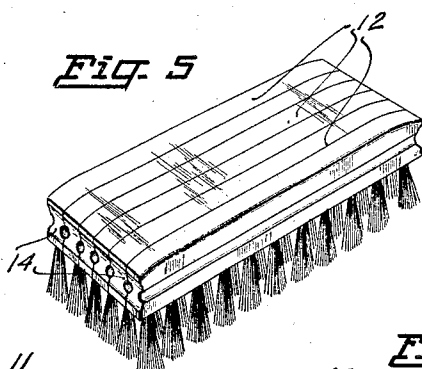
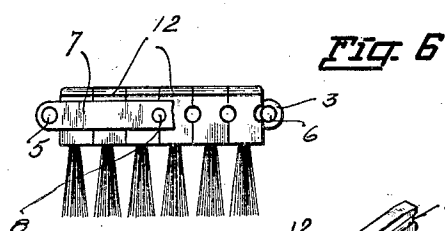
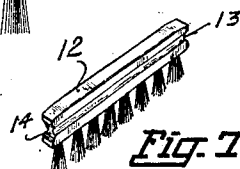
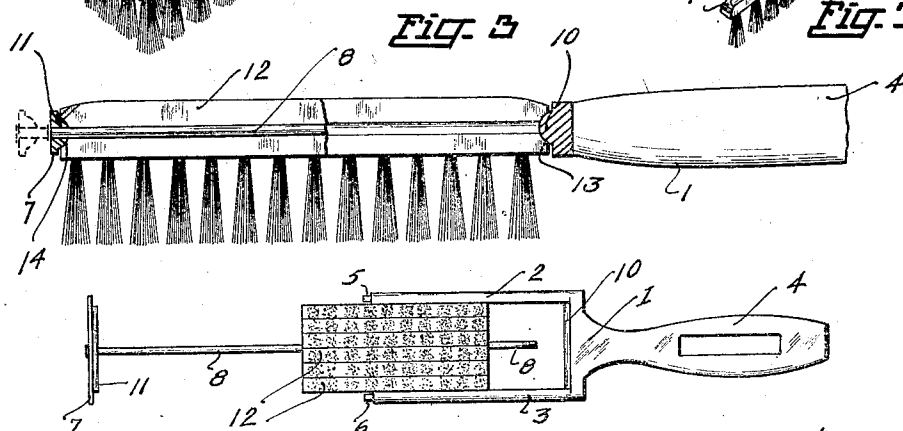
June 1, 1926.

1,586,751

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SANITARY HAIRBRUSH

Filed March 5, 1925



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UNITED STATES PATENT OFFICE.

FRANK W. KELLOGG, OF REEDSPORT, OREGON.

SANITARY HAIRBRUSH.

Application filed March 5, 1925. Serial No. 13,170.

My invention relates to improvements in sanitary hair brushes, in which a handle and frame structure are adapted to maintain removable bristle members within the frame structure and to having the same disengaged therefrom to permit thorough sterilization of the same.

Further objects of my invention are to provide a sanitary hair brush of simple construction, cheapness of construction and one that will not easily get out of repair.

A further object of my invention is to provide a brush of interchangeable bristle carrying units.

A further object of my invention is to provide a brush frame and holder wherein bristles of varying stiffness, or of different degrees of stiffness, may be inserted within the frame holder. A further object of my invention is to provide a frame holder, whose essential elements consist of a smooth exterior and one that is easily and quickly cleaned.

A further object of my invention is to provide a sanitary brush that will be extremely simple and of few parts, thus permitting those unskilled in mechanical elements to assemble and disassemble the same.

With these and incidental objects in view, the invention consists in certain novel features of construction and combination of parts, the essential elements of which are set forth in the appended claim and to a preferred form of embodiment of which is hereinafter shown with reference to the drawings which accompany and form a part of this specification.

In the drawings—

Fig. 1 is an assembled plan view of my assembled sanitary hair brush.

Fig. 2 is a side elevation of the mechanism shown in Fig. 1.

Fig. 3 is a partial side and partial sectional view of the brush made to illustrate a preferred form of construction and one means for maintaining the brush carrying units in place within the frame structure.

Fig. 4 is a plan view of the mechanism shown in Fig. 3 with the same here shown partially disassembled.

Fig. 5 is a perspective view of a battery of the bristle carrying members shown removed from the frame structure.

Fig. 6 is a fragmentary end view of the assembled sanitary brush.

Fig. 7 is a perspective view of one bristle carrying unit.

Like reference characters refer to like parts throughout the several views.

The brush primarily consists of a frame structure 1 having side members 2 and 3 disposed at the forward, or front end of the frame. The handle member 4 is so made as to permit of the grasping of the same with least fatigue to the hand of the user.

The side members 2 and 3 of the frame structure terminate at their outer ends in a manner adapted to the placement of the end closure thereupon. I have here shown the same as shown at 5 and 6 to facilitate the passage of the same through the end closure 7. A central rod 8 passes through the end closure and the frame and handle, terminating at the inner end with a threaded portion adapted to engagement with the thumb screw 9. A battery of interchangeable units adapted to maintain the bristles therein are provided, and adapted to being removed from the frame structure and to being rigidly maintained therein. The frame structure has a suitable shape, as illustrated at 10 and the end closure a shape, as illustrated at 11, for maintaining the bristle carrying units in locked position within the frame. The bristle carrying units are shown at 12, both ends of which are similar, to make possible the placement of either end in forward position, the central end shape may be made as shown at 13 and 14 and adapted to engagement with the end closure as at 11 and the frame structure as at 10.

The interchangeability of the unit structure of the bristle bearing members, and the placing of the same in any position in the line, as well as the ends being the same on either end makes for simplicity, as well as the possibility of adapting one frame structure to any quality of brush, or bristle.

While the form of mechanism herein shown described is admirably adapted to fulfill the objects primarily stated, it is to be understood that it is not intended to confine the invention to the one form of embodiment herein shown and described, as it is susceptible of embodiment in various forms, all coming within the scope of the claim which follows:

What I claim is—

A hair brush, comprising a frame structure consisting of a handle member, one end thereof being rounded into an end portion

the other end being flared outwardly and having a flat face on its outward end, two parallel bar members disposed outwardly from the extremities of said face and parallel to the longitudinal center line of the handle, there being a hole longitudinally disposed central of the handle, and parallel to said bars, a battery of bristle-carrying units to be clamped in said frame a means to clamp said bristle units in said frame comprising a locking plate having holes disposed through its outer ends which are adapted to fit over said parallel rods, and a fastening bar mounted centrally on the inner face of said plate and parallel to and between said first mentioned bars when said plate is placed thereon said fastening bar passes through the hole in said handle and a nut threaded upon the end of said fastening bar opposite the locking plate after the same is passed through the handle and adapted to exert a clamping pressure upon the bristle units placed between said locking plate and the flat face of the flared out portion of the handle.

FRANK W. KELLOGG.