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2,267,498

WAVE-SET HAIRBRUSH

Filed Jan. 17, 1940

Fig. 1.

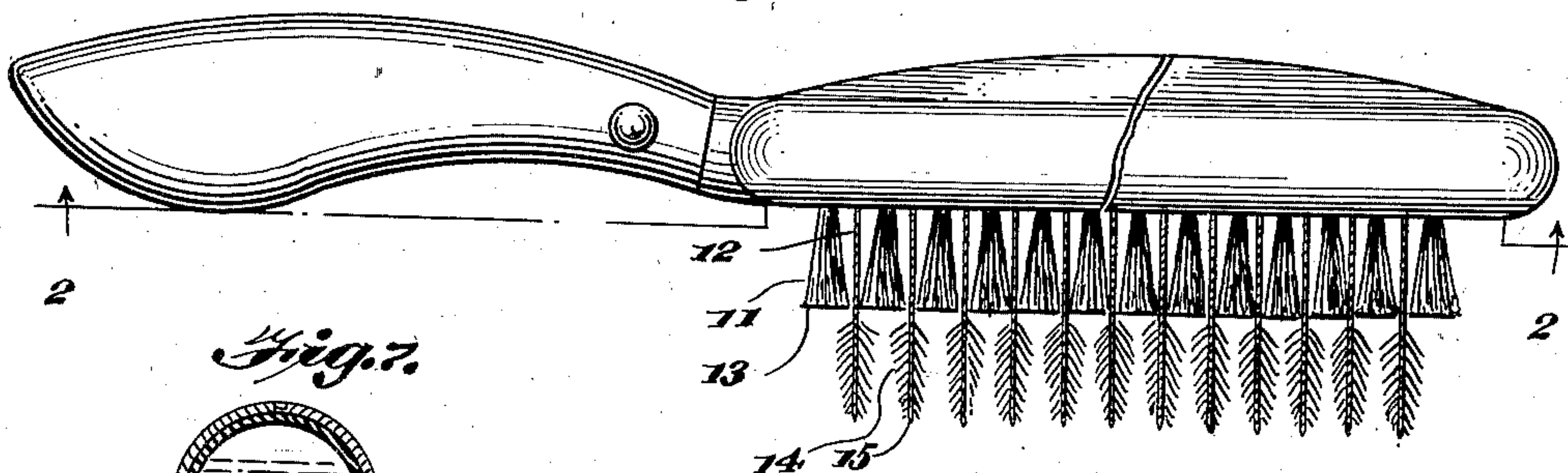


Fig. 2.

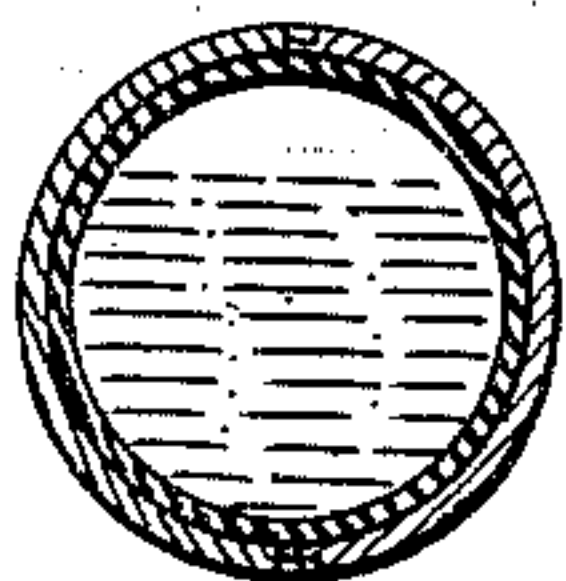


Fig. 3.

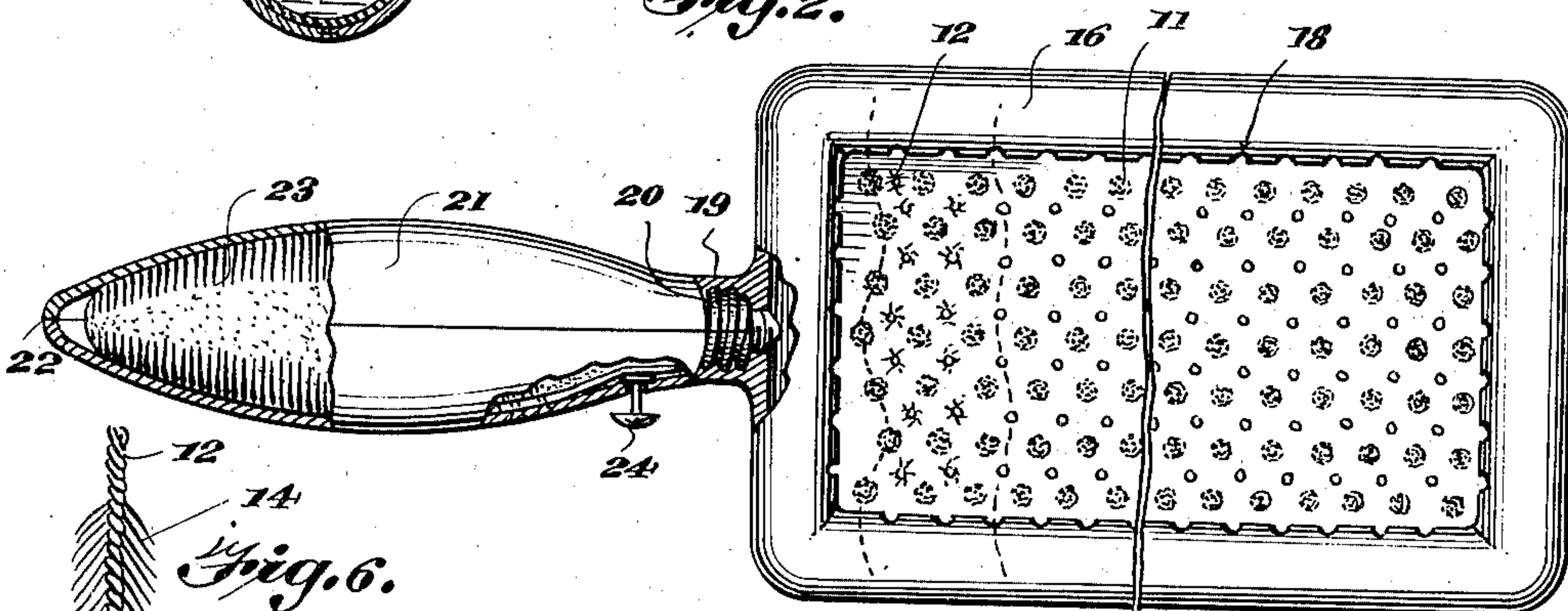


Fig. 4.



Fig. 5.

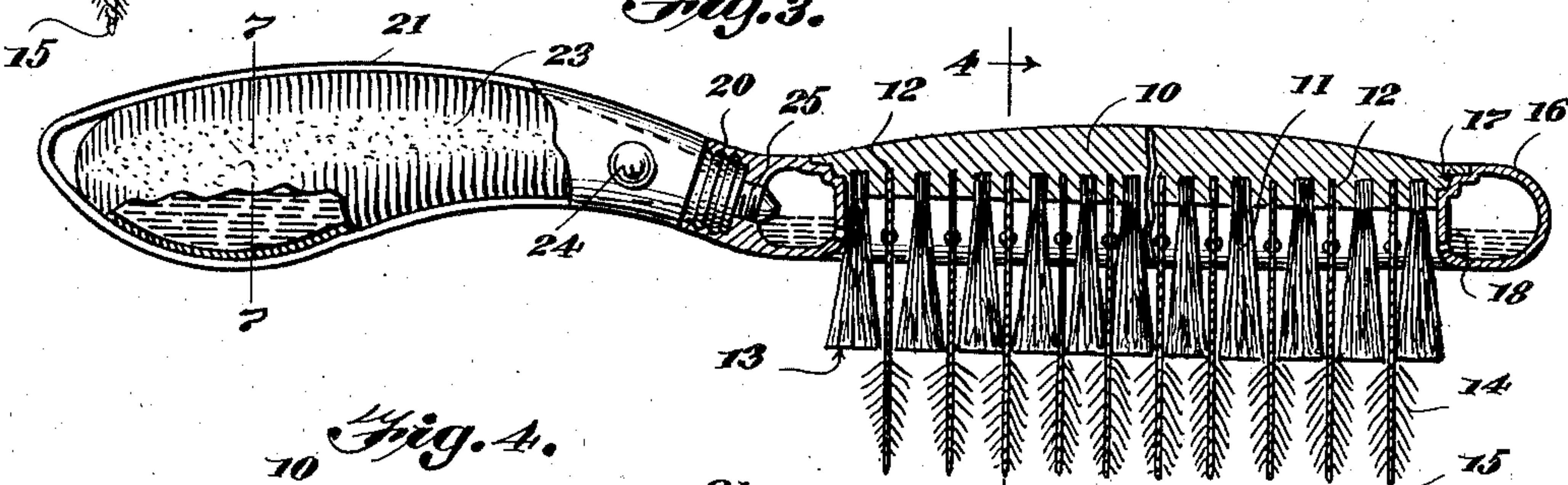


Fig. 6.

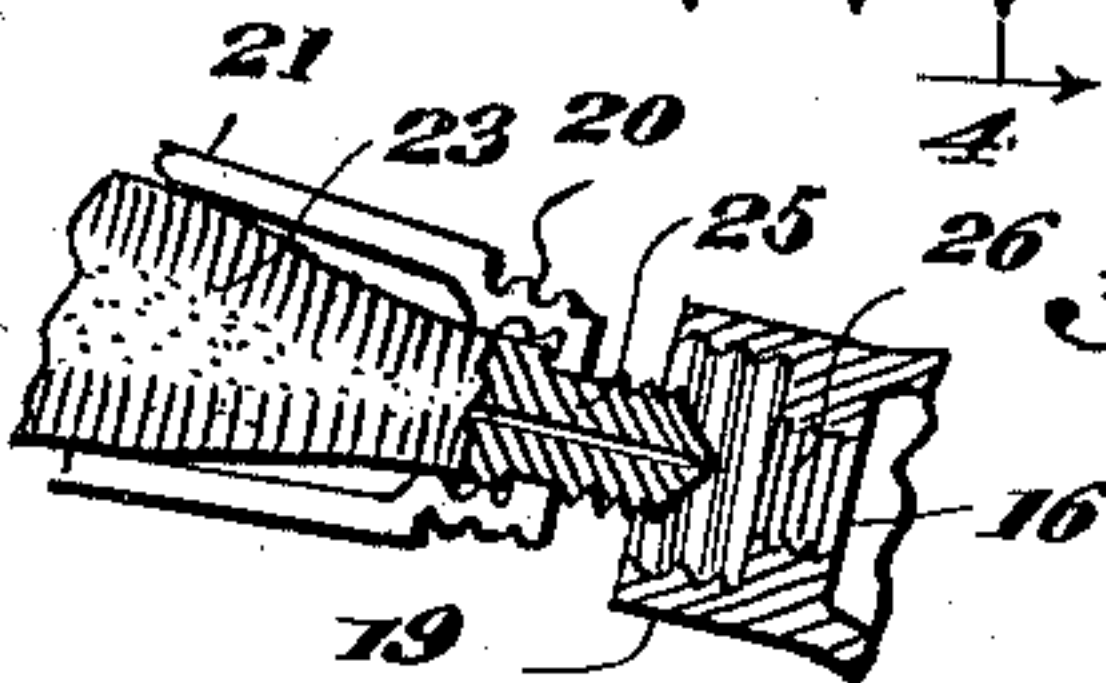
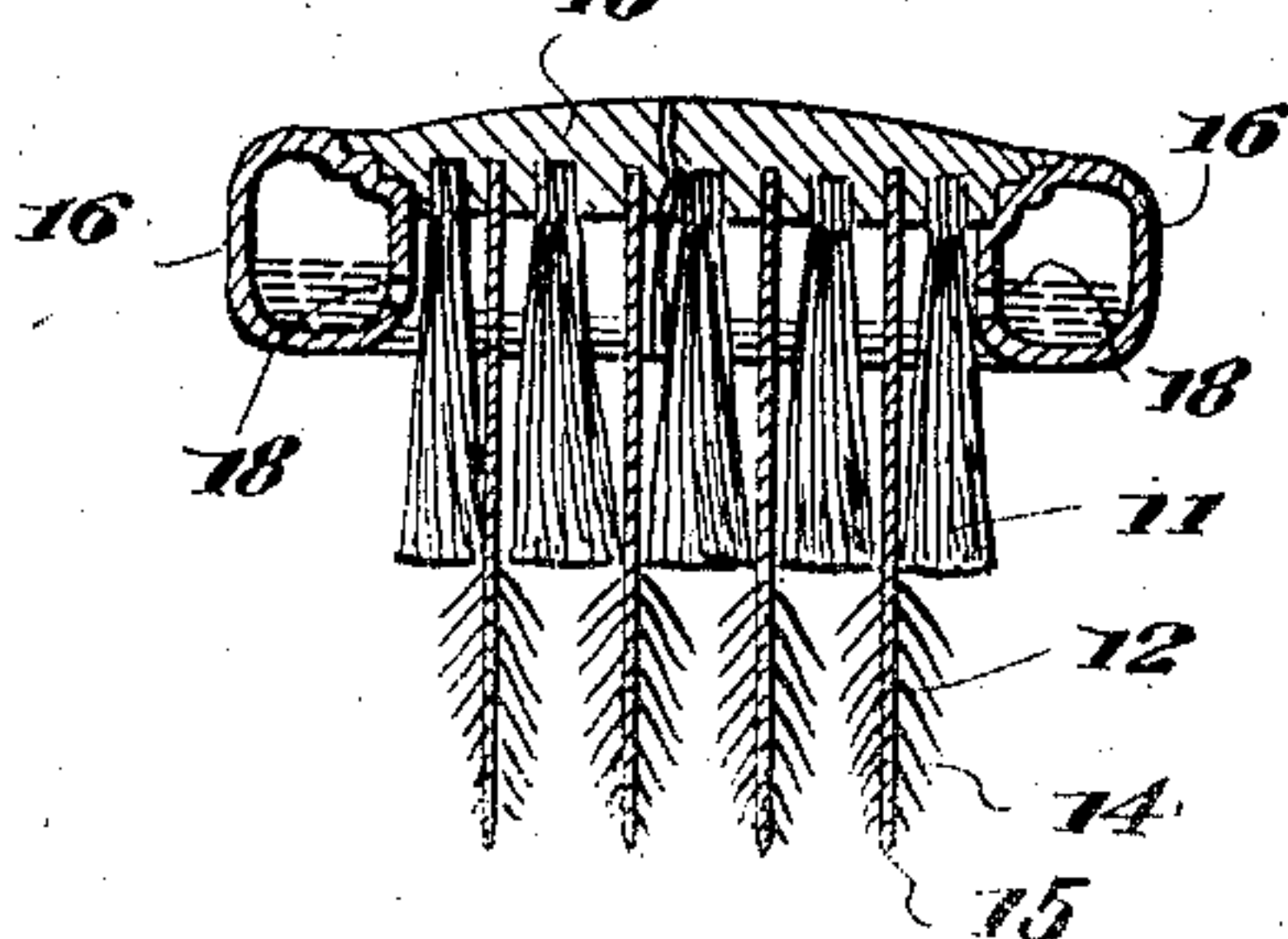


Fig. 8.

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WAVE-SET HAIRBRUSH

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2 Claims. (Cl. 15—133)

This invention relates to a wave-set hair brush, and has for one of its objects the production of a simple and efficient brush for moistening the hair with hair lotion, and assisting in producing and maintaining the wave of the hair while brushing.

A further object of this invention is the production of a simple and efficient fountain brush, the bristles of which are arranged in transverse rows, the bristles of each row being set in wave-like or serpentine contour extending transversely of the brush head to assist in maintaining the wave of the hair while the hair is being brushed.

A further object of this invention is the production of a simple and efficient hair brush having a plurality of tapering and radially set bristles extending beyond the outer ends of the brushing bristles for brushing the hair laterally.

Other objects and advantages of the present invention will appear throughout the following specification and claims.

In the drawing:

Figure 1 is a side elevational view of the brush;

Figure 2 is a horizontal sectional view taken on line 2—2 of Figure 1;

Figure 3 is a longitudinal sectional view of the brush, certain parts being shown in side elevation;

Figure 4 is a transverse sectional view;

Figure 5 is a longitudinal sectional view through the shank of the brush head and a portion of the handle shown in a detached position;

Figure 6 is a side elevational view of one of the radial bristle stems detached from the brush head; and

Figure 7 is a transverse sectional view taken on line 7—7 of Figure 6.

By referring to the drawing, it will be seen that 10 designates the body of the brush which supports a series of transverse rows of bristles 11, the bristles of each row being arranged transversely of the head or body of the brush in a wave-like or serpentine formation, as shown in Figure 2, for the purpose of assisting in maintaining the hair wave as the hair is being brushed. A series of radial bristle-supporting stems 12 are also secured to the body or head 10 of the brush, as shown in Figures 2 and 3, and these stems 12 are arranged in transverse rows, the stems of each row also being set transversely of the head or body of the brush in a wave-like or serpentine pattern. The dotted lines appearing in Figure 2, indicating the wave-like or serpentine contour of the rows of bristles and stems. These stems 12 extend down below the lower edges 13 of the bristles 11, as shown in Figures

1, 3 and 4. Each stem 12 is preferably formed of twisted wire and is fitted or set snugly in the head or body 10 of the brush and a series of radially set bristles 14 are carried by the stems 12, the bristles being arranged to taper toward the lower end of the stem and the lower end of each stem having a free point 15.

A rectangular tube 16 is formed around the body or head 10, and this tube 16 is provided with a step-like ledge 17 along its inner edge for receiving the suitably formed inter-fitting edge of the head or body 10, as shown in Figure 3, and Figure 4. This tube 16 may be secured in any suitable or desired manner to the head or body 10. The tube 16 is provided with a plurality of lotion-discharge ports 18 formed along the inner edge thereof and communicating with the bristles 11.

The tube 16 is provided with an internally threaded neck 19 for receiving the threaded end 20 of the handle 21, the handle 21 preferably comprising a pair of shaped half sections formed of metal having inter-fitting edges 22, which edges are adapted to inter-fit and hold the handle in an assembled relation, the threaded portions 20 being pressed to provide threads to fit into the threaded neck 19 and in this way hold the sections of the handle firmly together. A suitable compressible bulb 23 is carried by the handle 21 and is adapted to be compressed by a suitable button 24. The tube 16 is provided with a threaded nozzle 25 which extends through the inner end of the handle 21 and engages the threaded aperture 26 which communicates with the interior of the tube 16, in this way supplying lotion from the bulb 23 to the tube 16.

From the foregoing description, it will be seen that a very simple and efficient brush has been provided which because of its construction and with the aid of the hair setting lotion will assist in maintaining the wave of the hair as the hair is being brushed. The brush consists primarily of three detachable parts, a handle and its associated parts adapted to contain the hair lotion, a hollow tubular frame 16 constituting a part of the back or head of the brush, and the body or head of the brush which carries the bristles and stems. The bulb 23 within the handle provides a fountain-like reservoir for feeding lotion at the will of the operator, to the tube 16, and this may be accomplished by operating the button 24.

Lotion will be fed to the bristles and subsequently to the hair of the user by being discharged through the ports or openings 18 and as the brush is brushed through and over the hair

the radial bristles 14 will brush the hair laterally, cleaning the same, the bristles 14 being twisted in the wire stems, and the wire stems are firmly embedded in the back of the head of the brush. It should be noted that the bristles 14 are arranged to taper toward the outer ends of the stems, and that the stems are provided with a free point facilitating the spreading of the hairs to brush the hairs laterally as well as to clean the hairs. It should also be noted that the bristles 11 as well as the stems 12 which carry the individual bristles, are set in parallel wavy lines extending transversely of the brush head back or body, thereby assisting in producing and retaining a wave in the hair as the hair is brushed. The apertures or ports 18 in the tube 16 are preferably set in between the rows of bristles and are preferably evenly spaced facing inwardly toward the bristles for the purpose of moistening the bristles, the moisture being subsequently transferred to the hair.

The handle 21 as well as the shank 19 may be placed at any suitable angle without departing from the spirit of the invention depending upon the type and desire of the user of the brush. The handle 21 preferably comprises a metal shell formed of inter-engaging sections having threaded inner ends which when assembled will provide an efficient casing for containing the bulb 23.

It should be understood that certain detail changes in the construction of the brush may be employed without departing from the spirit of the invention, so long as such changes fall within the scope of the appended claims.

Having described the invention, what is claimed is:

1. A brush of the class described comprising a body having a plurality of bristles terminating

at their outer ends on a straight horizontal plane to provide a relatively flat brushing surface, a series of stems arranged in transverse rows upon the body and fitting between the bristles, the stems having radial bristles at a point beyond the ends of the first mentioned bristles, the radial bristles on one stem being spaced from the radial bristles of the adjoining stem, and the stems being arranged in wave-like alignment transversely of the body in a manner whereby the brushing of the hair of a person by moving the brush transversely will cause the hair to be separated into a plurality of wave-like formations, the stems and radial bristles extending down through the hair and the straight outer ends of the first mentioned bristles providing a smoothing action upon the hair to smooth the outer face of the hair simultaneously with the transverse waving of the hair.

2. A brush of the class described comprising a body, a plurality of bristles carried by the body, said bristles being of uniform length and terminating in straight bottom edges to provide a flat horizontal brushing area, a plurality of stems carried by the body and arranged in spaced transverse wave-like rows, radial bristles carried by said stems, the radial bristles of the stems projecting beyond the outer ends of the first mentioned bristles, the stems and radial bristles being adapted to extend between the strands of the human hair to separate the same into a plurality of wave-like formations and the straight lower ends of the first mentioned bristles providing a flat brushing area along the outer face of the hair to smooth the outer face of the hair simultaneously with the setting of the transverse wave-like formations of the hair.

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