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TWISTED WIRE LOOPED BRUSH

Filed Dec. 29, 1927

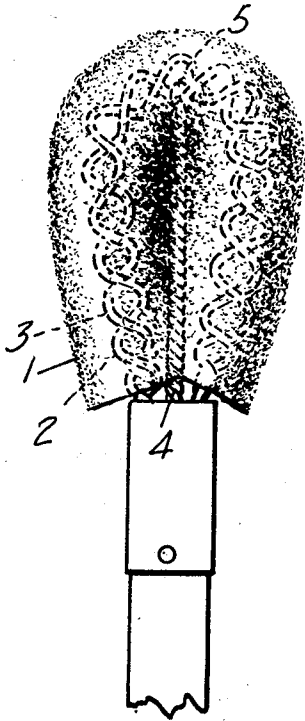


FIG. 1.



FIG. 2.

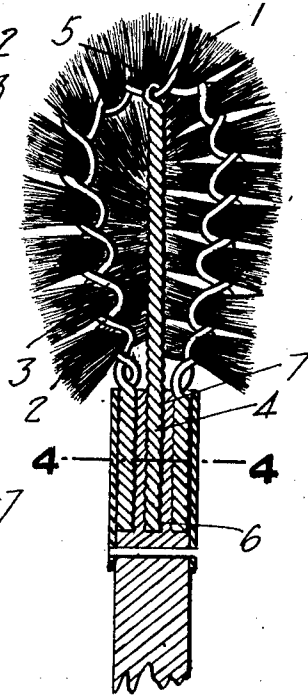


FIG. 3.

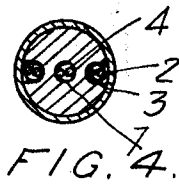


FIG. 4.

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TWISTED-WIRE-LOOPED BRUSH.

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My invention relates to improvements in twisted wire looped brushes, and the object of the invention is to devise means for reinforcing the connection between the head of the brush and the handle to enable the brush head being formed of wire which is sufficiently fine to permit the fibres of the brush head being drawn tight together when the brush head is formed, and it consists essentially of the arrangement and construction of parts as hereinafter more particularly explained.

Fig. 1 is a side elevation of my brush.

Fig. 2 is a transverse sectional view through the centre of Figure 1.

Fig. 3 is a sectional view taken at right angles to the section shown in Figure 2.

Fig. 4 is a transverse sectional view on line 4-4 Figure 3.

In the drawing like characters of reference indicate corresponding parts in each figure.

1 indicates the fibres forming the brush head, such head being made up in the usual manner by twisting wires 2 and 3 around the fibres as indicated in the drawing, the ends of the wires being twisted together to form a stem at each end of the head which are drawn together and inserted in the handle in the usual way.

It has been found in practice that if wire is employed sufficiently fine to enable the

fibres of the brush head being drawn tight together when the brush head is made up these wires are so weak that they will easily break off after continued use between the head and the handle. In order to prevent this result I have provided a supplemental centre wire 4 which is looped at 5 around one of the members 2 and 3 of the head and the ends of the loop twisted together to form a stem 6 which extends longitudinally through the head of the brush and into a central orifice 7 extending longitudinally of the brush head.

By this means it will be readily seen that the ordinary wires 2 and 3 forming the loop of the brush are reinforced particularly at the point between the head and handle so that there is no danger of the head breaking off after continued use.

The wires are secured in the handle in the usual manner as indicated at 8.

What I claim as my invention is:—

A brush comprising a twisted double wire loop, fibres held between the twists of the loop, and a handle into which the looped ends are secured, a wire passed between the members of the twisted wire at the upper end of the loop and bent and the bent portions then twisted together to form a stem passing longitudinally of the loop into the handle of the brush.

GEORGE NELSON.