Nov. 19, 1935. J. F. ZIELINSKI 2,021,278

ARTICLE OF MANUFACTURE

Filed May 4, 1934

FIG. 1.

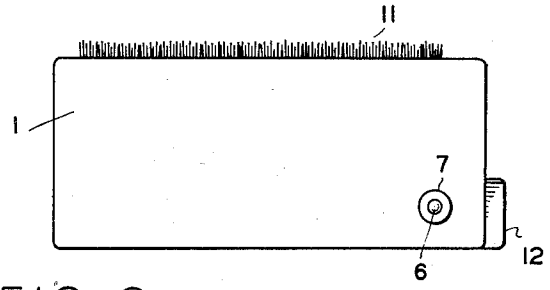


FIG. 4.

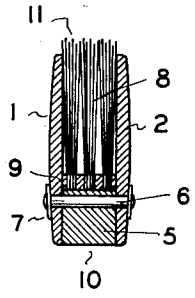


FIG. 2.

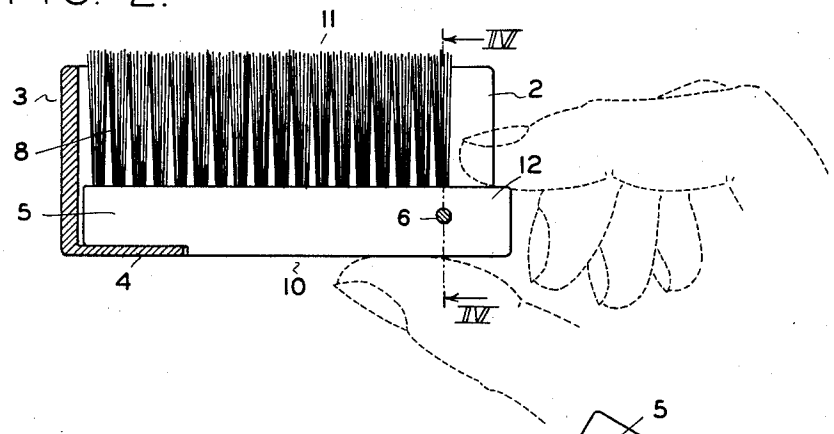
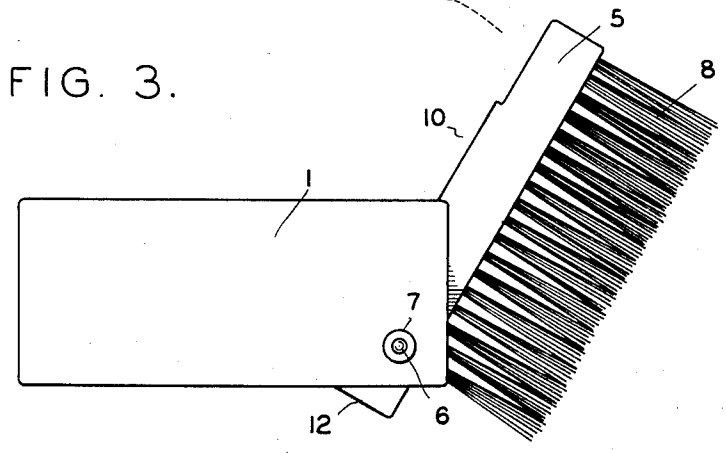


FIG. 3.



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ARTICLE OF MANUFACTURE

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Application May 4, 1934, Serial No. 723,857

3 Claims. (Cl. 15—185)

This invention relates to improvements in articles of manufacture and more particularly to folding brushes.

Among the objects of the invention is to provide a compact, durable and inexpensive folding brush for clothes, upholstery and other uses and suitable for convenient carrying in the pocket.

Another object is to enable the article to serve both the functions of a soft and a stiff bristled brush.

Another object is to facilitate the unsheathing of the brush.

Other objects and advantages appear as the description progresses.

In this specification and the accompanying drawing, the invention is disclosed in its preferred form. It is however to be understood that the invention is not limited to this form because it may be embodied in other forms within the purview of the claims following the description.

In the one sheet of drawings:

Fig. 1 is a side elevation of a folding brush constructed in accordance with this invention.

Fig. 2 is a longitudinal vertical section of the same, the user's hand being shown in dotted lines unsheathing the brush.

Fig. 3 is a side elevation of the brush unsheathed.

Fig. 4 is a transverse vertical section of the brush taken along the line IV—IV, Fig. 2.

The construction illustrated in the drawing comprises the enclosing sheath having the side plates 1 and 2 joined together by the end 3 and the adjoining bottom strut 4. The sheath is preferably integral and may be die cast of any of the compositions available commercially such as vulcanite, celluloid, etc. The plates 1 and 2 of the sheath have their outer surfaces curved as shown in Fig. 4. The corners of the sheath are also rounded off to obviate sharp corners and to render the article comfortable in the pocket.

The brush has the backing 5 pivoted between the plates 1 and 2 of the sheath on the pin 6. The pin may be permanently secured in place by having its ends riveted over the external washers 7. The bristles 8 of the brush are set in the conventional manner in the perforated retainer 9 (see Fig. 4) which is glued or otherwise fixed to the backing 5. The bristles 8 are of the usual hogs' hair or other less expensive stock and are relatively soft. The bristles should be untrimmed so as to leave their ends relatively uneven as indicated at 11.

When the brush is sheathed the backing 5 engages the strut 4 which serves as a stop to limit the movement of the backing. The backing 5 is cut away around the strut 4 to bring the rear surface 10 of the backing flush with the edges of the sheath.

The ends of the bristles 8 of the sheathed brush project a short distance out of the sheath as at 11. The side plates 1 and 2 support and compress the bristles 8 therebetween thus serving to stiffen the exposed ends 11. The sheathed brush is useful for removing obstinate spots from the clothes, brushing the hair and other uses for which a relatively stiff bristled brush is necessary. The unevenness of the exposed ends 11 has been found to increase the efficiency of the brush.

The backing 5 extends rearwardly of the pivot 6 at 12 for a short distance and projects from the sheath. To unsheath the brush, the rear surface 10 of the backing and the projection 11 are grasped by the thumb and forefinger substantially as shown in dotted lines in Fig. 2. The brush is then manually swung outwardly from the sheath and may assume the position shown in Fig. 3.

The unsheathed brush is invaluable for any of the manifold uses to which a small soft bristled brush may be put. The sheath may be swung on the pivot 6 to any desired position with respect to the brush and serves as a convenient handle for holding the brush in use. After the brush has been used, it is swung into the sheath on its pivot until the backing 5 engages the strut 4.

Having thus described this invention, what is claimed and desired to be secured by Letters Patent is:

1. An article of manufacture comprising a sheath consisting of a pair of plates joined together at one end; and a brush pivoted in said sheath and adapted to be enclosed in the sheath with its bristles compressed between said plates and the operative ends thereof projecting beyond said plates.

2. An article of manufacture comprising a sheath including a pair of side plates joined together at one end and having a strut at the lower edge thereof; a brush backing pivoted in said sheath and arranged to be swung into retracted position within said sheath with the backing engaging said sheath; and bristles secured to said backing adapted to project a relatively short distance out of said sheath when the brush is fully retracted into the sheath.

3. An article of manufacture comprising a pair of sheath plates joined together at one end; a brush backing pivoted and adapted to be enclosed between said sheath plates and extending longitudinally beyond said pivot and projecting from said sheath opposite said joined end when said backing is enclosed in the sheath; and bristles secured to said backing and adapted to have their operative ends exposed between said plates.

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