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L. C. TYLER

2,432,264

CLOTHES BRUSH

Filed May 27, 1946

Fig. 1.

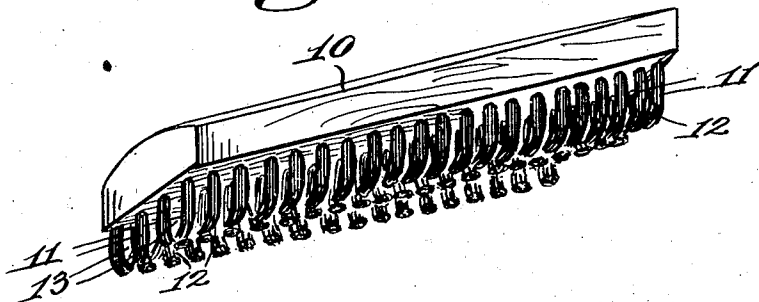


Fig. 2.

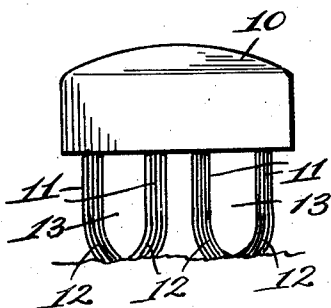


Fig. 3.

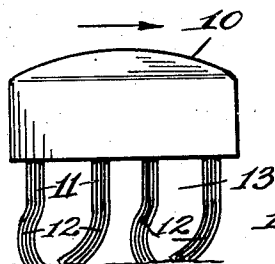


Fig. 4.

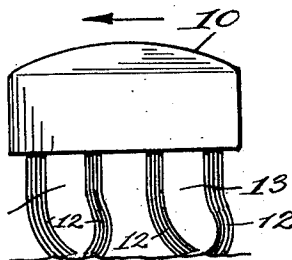


Fig. 5.

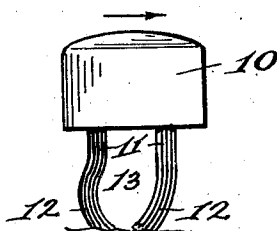
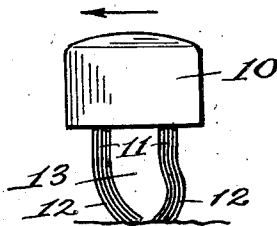


Fig. 6.



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CLOTHESBRUSH

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1 Claim. (Cl. 15—159)

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My invention relates generally to clothes brushes, and more particularly to those types of brushes wherein a back or brush body has two or more parallel rows of tufts of bristles and generally used for brushing the surfaces of fabric or the like, in order to pick up and remove therefrom, dust, lint, ravelings, hair or the like.

However, the principles of my invention, particularly the shape and relative arrangement of the tufts of bristles may be advantageously employed in tooth brushes, scrub brushes or the larger forms of rakes or brushes used for removing leaves and other refuse from lawns, paved surfaces and the like.

The principal object of my invention is, to provide a brush wherein the bristles are shaped and the tufts of bristles are arranged so that dust, lint and other sweepings will be raked or picked up from the surface being brushed or cleaned and trapped between the rows of bristle tufts, from whence they may be readily removed, following the brushing function.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangement of parts which will be hereinafter more fully described and claimed and illustrated in the accompanying drawings, in which:

Fig. 1 is a perspective view of a brush constructed in accordance with my invention.

Fig. 2 is an end elevation of the brush.

Fig. 3 is an end elevational view and showing the position of the bristle tufts as the brush is moved toward the right hand.

Fig. 4 is an end elevational view and showing the position of the bristle tufts as the brush is moved toward the left hand.

Fig. 5 is an elevational view of a brush having two rows of bristle tufts and showing the position thereof, when the brush is moved toward the right hand.

Fig. 6 is an end elevational view of a two row bristle tuft brush and showing the position of the bristle tufts when said brush is moved toward the left hand.

Referring by numerals to the accompanying drawing, which illustrates a preferred embodiment of my invention, 10 designates a brush back or body which may be of any desired size and shape and secured to the underface thereof, in conventional manner, are the inner ends of tufts of bristles 11, disposed in parallel rows. These rows are arranged in pairs with the free end portions of the tufts of each row being shaped so that they curve gradually toward the corresponding

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end portions of the companion row as designated by 12 and thus, under normal conditions, the inner edges of the ends of the bristles in each pair of tufts practically touch each other, as seen in Fig. 2.

The space between the members of each pair of tufts, provides a chamber 13 for the reception of the dust, hair and other sweepings picked up by the brush while same is in use.

When my improved brush is moved toward the right hand (see Fig. 3) the curved ends of the bristles in the front of leading row of tufts of each pair, will bend rearwardly toward the corresponding ends of the outer or trailing row of tufts, thus passing over the surface being brushed or swept, without removing any dust, lint or the like therefrom, and at the same time, the curved ends of the bristles in the trailing row of tufts, will be bent rearwardly so as to bring their ends directly against the surface being brushed, thus acting as resilient rake teeth to effectively comb over said surface and remove therefrom, all extraneous matter such as dust, lint, hair and the like.

The sweepings thus picked up will be trapped and accumulate in the space 13 between the bristle tufts, from whence they may be readily removed, following the use of the brush.

Where natural hair bristles are used in producing the brush, said bristles must be treated or acted upon to permanently curve their end portions, but where said bristles are formed of plastics or metal, same may be given the proper curve during the process of manufacture thereof.

Thus it will be seen that I have produced a brush that is simple in structure, inexpensive of manufacture, and which is very effective in performing the functions for which it is intended, due to the fact that while in use, approximately half the bristles automatically act as rakes to pick up sweepings and deliver same into the pockets or spaces between the row of bristles.

It will be understood that minor changes in the size, form and construction of the various parts of my improved brush may be made and substituted for those herein shown and described, without departing from the spirit of the invention, the scope of which is set forth in the appended claim.

I claim as my invention:

A clothes brush comprising a body, a parallel row of tufts of bristles having their upper ends secured in the lower portion of said body and depending therefrom, the upper portions of which tufts of bristles are straight and disposed at right

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angles to the underface of said body, the lower portions of said tufts being curved toward each other with the lower ends of the inner bristles in the members of the respective pairs of tufts in abutting relationship and there being a free open space of substantial area between the rows of tufts to provide a sweepings storage space. 5

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The following references are of record in the file of this patent:

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