

July 11, 1961

R. J. SMITH

2,991,494

MULTIPLE UTILITY BRUSH

Filed June 3, 1959

FIG. 1.

FIG. 2.

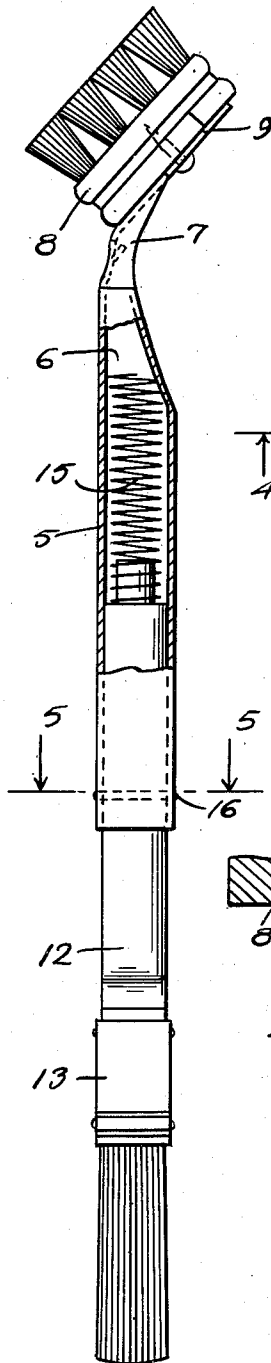


FIG. 3.

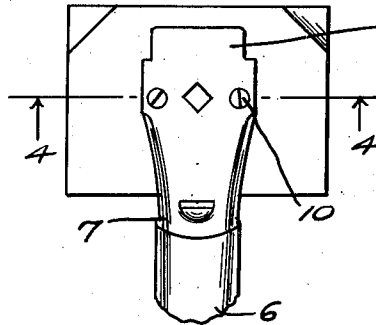


FIG. 4.

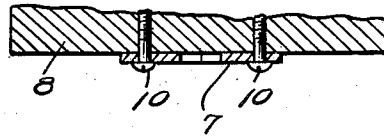
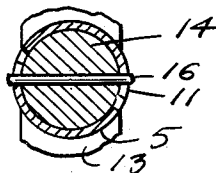
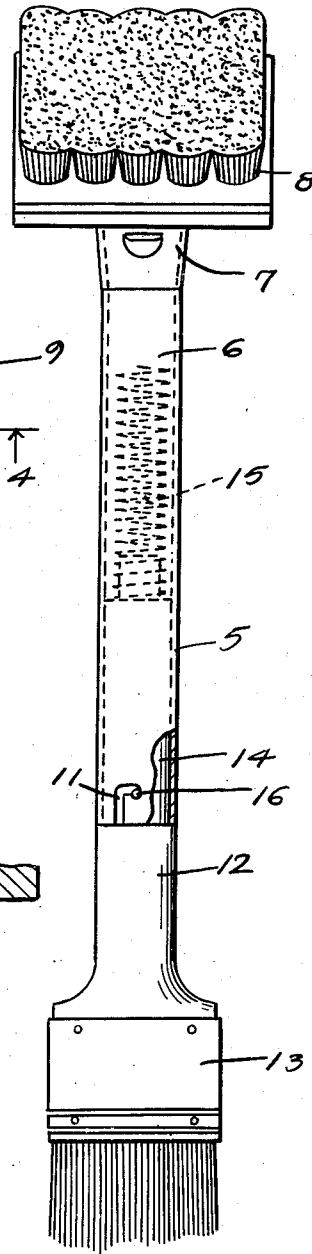


FIG. 5.



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1

2,991,494

MULTIPLE UTILITY BRUSH
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1 Claim. (Cl. 15-145)

This invention relates to brush construction, an important object of the invention being to provide a utility brush having a hollow handle and a brush head angularly offset with respect to the handle for convenience in cleaning white side wall tires.

An important object of the invention is to provide a utility brush including a brush head having groups of wire scrubbing bristles, the brush having a hollow handle for the reception of the handle of a brush wherein the bristles are of a soft character and extend longitudinally with the handle for use in applying water to the scrubbed tire wall to remove the cleaning material used in scrubbing the walls of the tire.

Another object of the invention is to provide a white tire wall scrubbing brush which may be used independently as a scrubbing brush, the handle of the brush being provided with means for removably securing an auxiliary brush to the handle of the main scrubbing brush, whereupon the handle of the main scrubbing brush provides a handle for the auxiliary cleansing brush.

Other and further objects and advantages of the invention will be hereinafter described and the novel features thereof defined in the appended claim.

Referring to the drawing:

FIGURE 1 is an elevational view of a brush constructed in accordance with the invention, the hollow handle of the main scrubbing brush being partially broken away to illustrate the interior construction of the handle.

FIGURE 2 is an elevational view of the utility brush.

FIGURE 3 is an enlarged view of the head of the scrubbing section of the brush.

FIGURE 4 is a fragmental sectional view taken on line 4-4 of FIGURE 3.

FIGURE 5 is a sectional view taken on line 5-5 of FIGURE 1.

Referring to the drawing in detail, the handle of the main scrubbing brush is indicated by the reference character 5, and is hollow, the forward end of the brush tapering as at 6, for purposes to be hereinafter more fully described.

The reference character 7 indicates a shank of the scrubbing brush 8, the shank being formed with a flattened portion 9 that fits against the back of the brush head 8. Screws 10 are provided for securing the flattened portion of the handle 5 to the brush head.

The shank of the brush head 8 extends into the tapered end of the handle, as better shown by FIGURE 1 of the drawing, so that a close fit is provided between the shank 7 and handle 6.

Adjacent to the opposite end of the handle 5, are bayonet slots 11 which extend inwardly from the rear end of the handle as better shown by FIGURE 2 of the drawing.

2

The reference character 12 indicates the handle of the cleaning brush 13 which is formed with a reduced section 14 that is of a diameter to fit within the hollow handle 5. The inner end of the reduced portion of the handle 12 receives one end of the coiled spring 15 which is wrapped therearound, the opposite end of the coiled spring 15 being wedged within the tapered portion 6 of the handle 5, holding the spring in position within the hollow handle so that when the handle 12 of the brush 13 is inserted in the handle, the spring 15 will be compressed securing the handle 12 of brush 13 within the hollow handle, providing an extension handle for working in restricted areas as under fender guards.

Pins 16 extend through the handle 12 and are so arranged that they will align with the bayonet slots 11 of the hollow handle 5 holding the spring 15 under compression and at the same time securing the handle 12 of the brush 13 against accidental displacement while in use.

From the foregoing it will be seen that due to this construction, the brush 13 may be readily and easily removed or replaced as desired.

In the use of the brush, it is contemplated to use the scrubbing head 8 in scrubbing the white wall tire, suitable cleaning material being used on the bristles of the brush 8 for removing dirt and markings from the white wall tires.

It is obvious after the scrubbing of the white wall tire has been completed, the brush 13 may be inserted in the hollow handle of the brush and the bristles of the brush 13 which are comparatively soft, may be used in applying cleansing water to the white wall tire to remove the detergent or cleaning material used in scrubbing the tire.

Having thus described the invention, what is claimed is:

A brush of the character described comprising a tubular handle having a tapered restricted laterally offset end portion of a diameter substantially less than the major portion of said handle, a brush head secured to said restricted end portion of the handle, bayonet slots formed in said handle at the other end thereof, a coiled spring disposed within said handle with one end thereof wedged into said restricted end of the handle securing the spring within the handle, an extension handle fitted within said tubular handle, one end of said extension handle being reduced and fitted within the coils at one end of said coiled spring, and pins extending laterally from said extension handle, movable into said bayonet slots, removably securing said extension handle within said tubular handle.

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