

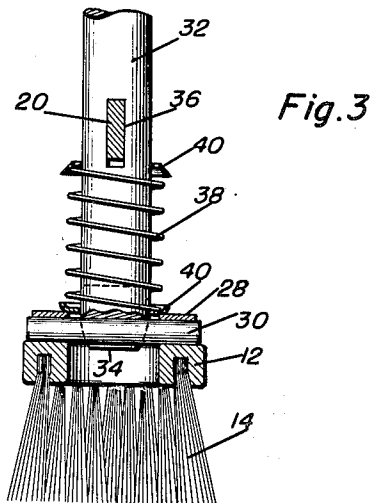
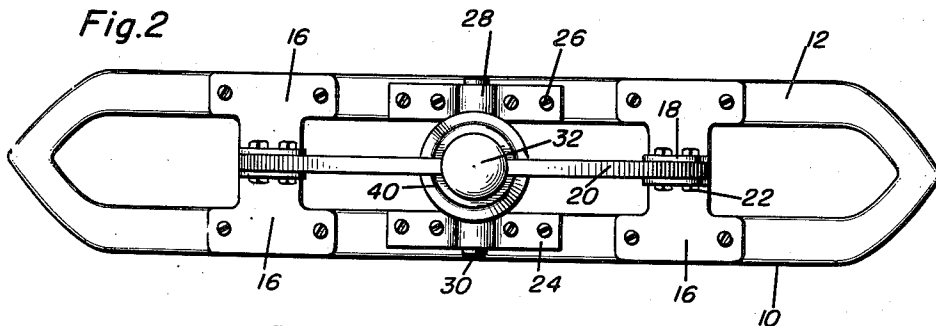
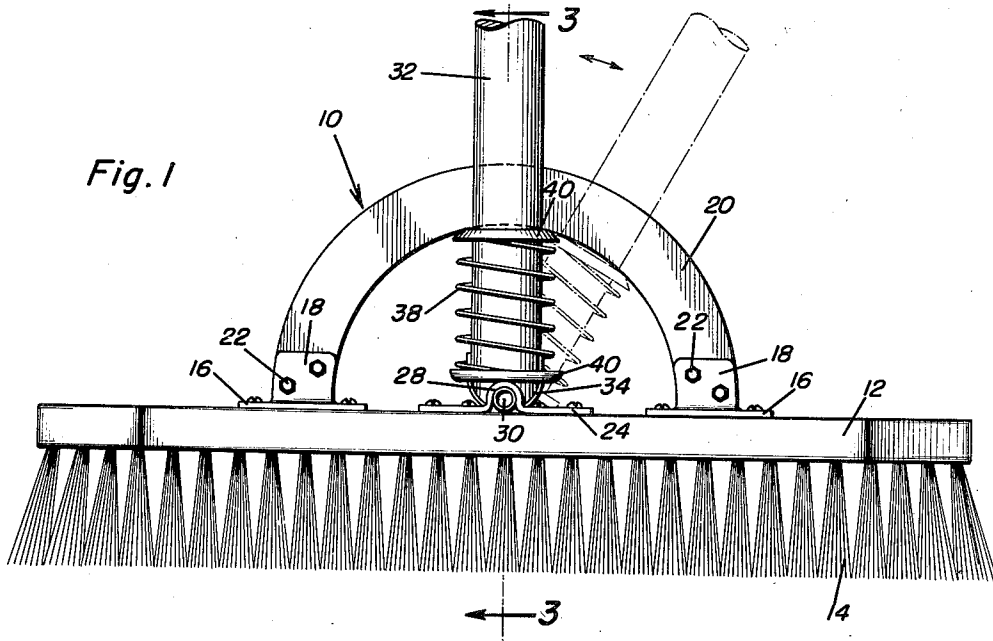
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2,769,673

WALL AND CEILING CLEANER

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2,769,673

WALL AND CEILING CLEANER

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1 Claim. (Cl. 306—11)

This invention relates to a wall and ceiling cleaner and more specifically provides a cleaning brush which may be utilized on a wall or ceiling.

An object of this invention is to provide a wall and ceiling cleaner including a hollow one row bristle brush having an angularly adjustable handle secured thereto.

Another object of this invention is to provide a wall and ceiling cleaner, having a brush with a pivotal handle mounted thereon and a friction spring for retaining the handle in adjusted angular position.

A further object of this invention is to provide a wall and ceiling cleaner which is simple in construction, safe and easy in operation, well adapted for its purposes and relatively inexpensive to manufacture.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a side elevational view showing the wall and ceiling cleaner of the present invention;

Figure 2 is a top plan view of the construction of Figure 1; and

Figure 3 is a vertical section taken substantially along section line 3—3 of Figure 1, showing the details of construction of the friction spring and the relationship of the handle and the brush.

Referring now specifically to the drawings, it will be seen that the numeral 10 generally designates the wall and ceiling cleaner of the present invention. The wall and ceiling cleaner 10 includes an elongated oval shaped annular member 12 forming an open frame having bristles 14 depending from the lower side thereby forming a hollow brush. A pair of right angular lugs 16 are secured adjacent each end of the annular body member 12 and include transversely spaced vertically extending lugs 18 disposed centrally between the parallel portions of the annular body member 12 for receiving the remote ends of a semi-circular quadrant 20. Suitable fastening bolts 22 pass through the opposing vertical lugs 18 and the end of the quadrant member 20 for securing the quadrant 20 rigidly to the annular body member 12. A pair of strap members 24 are secured to the upper surface of the parallel sides of the body member by suitable fastening screws 26 and the straps 24 are provided with a centrally disposed upwardly bulged portion 28 pivotally receiving a pivot pin 30 extending across the body member 12 and disposed in the upwardly bulged portions 28. The pivot pin 30 is secured to the inner end of a handle member 32 by a U-shaped strap 34 which surrounds the pin 30 and rigidly secures the pin 30 to the inner end of the handle 32. It will be seen that the straps 24 locate the pivot pin

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30 substantially midway between the remote ends of the quadrant 20 and the handle 32 is provided with a closed slot 36 spaced longitudinally from the pivot pin 30 and receiving the body of the quadrant 20 in slidable relation.

It will be seen that the slot 36 is slightly larger than the cross sectional area of the quadrant 20 thereby permitting the handle 32 to pivot about the pivot pin 30 and slide over the quadrant 20. A coil compression spring 38 is positioned around the inner end of the handle 32 and washers 40 are placed on the opposite ends of the spring 38 and the lower washer 40 abuts the upper edge of the bulged portions 28 and the upper washer 40 engages the under surface or inner surface of the quadrant member 20, thereby frictionally retaining the handle 32 in adjusted angular position.

The operation of the device will be readily understood. After the device has been assembled, the friction washer 40 engages the under surface of the quadrant 20 and the handle may be moved to any angular relation about the pivot pin 30 for brushing and cleaning the wall or ceiling of a room, or the like. Further, it will be understood that the device may be utilized in any angularly disposed wall surface and the handle may be constructed wherein additional sections may be attached for cleaning ceilings at a relatively great distance above the head of a cleaner thereby affording the cleaner a positive supporting surface. This affords a safe and easily operated cleaning device for cleaning the walls and ceilings of a room having extremely high ceilings. It will be understood that the device may be constructed of readily obtainable materials thereby greatly enhancing the economic feasibility and maintaining a reasonable manufacturing cost and sale price.

From the foregoing, the construction and operation of the device will be readily understood and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the appended claim.

What is claimed as new is as follows:

In a wall and ceiling cleaner, an elongated oval body member forming an open frame adapted to form a brush back, pairs of right angled lugs fixed to opposite sides of the frame at opposite sides of its transverse center, a semi-circular quadrant upstanding from said frame and having its ends fixed between the lugs of the pairs, a handle having a longitudinal slot through which said quadrant extends and also having an inner end provided with a transverse pivot pin fixed thereto, a pair of strap members secured to said frame at opposite sides thereof midway between the pairs of lugs and in which the ends of the pivot pin are journaled in the axis of said quadrant for swinging adjustment of said handle along said quadrant, and spring pressed means on said handle frictionally engaging said quadrant to retain the handle in different adjusted positions.

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