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2,634,451

WAND REST FOR VACUUM CLEANERS

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FIG. 1.

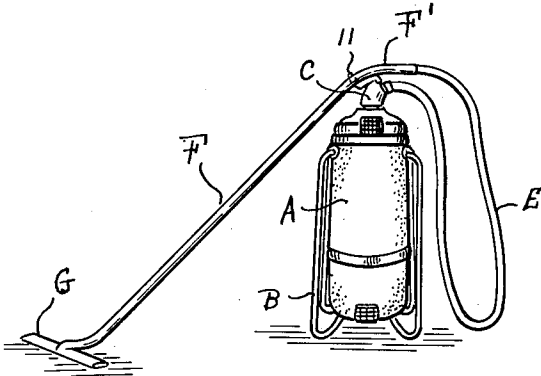


FIG. 2.

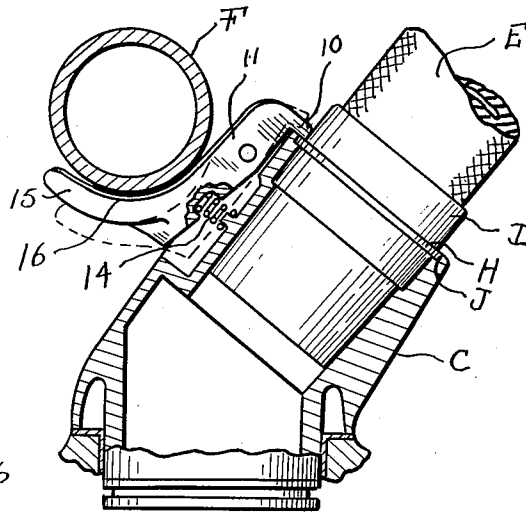
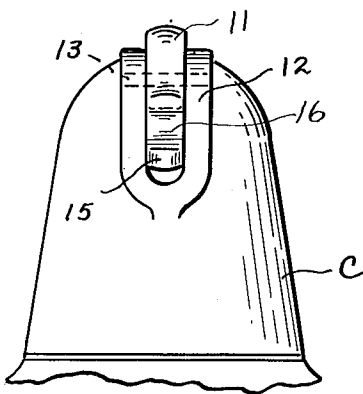


FIG. 3.



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WAND REST FOR VACUUM CLEANERS

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2 Claims. (Cl. 15—327)

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This invention relates to vacuum cleaners of the portable type employing an elongate wand on one end of which is attached a cleaning tool, the opposite end being connected to the vacuum cleaner body by a flexible hose. The invention is more particularly concerned with a support or rest for the wand to enable it to be supported in a convenient position during intervals between cleaning operations, thereby eliminating the necessity of placing the wand on the floor or in some other position inconvenient to the operator.

An object is thus to produce a wand rest or support in a portable vacuum cleaner against which the wand may be conveniently rested when the cleaning operation is momentarily suspended, the same being positioned so as to be readily accessible to the operator.

Another object is to produce a combined wand rest or support and a latching element for releasably retaining one end portion of the hose in position of use on the vacuum cleaner unit.

Other objects and advantages of the invention will hereinafter appear and for purposes of illustration but not of limitation, an embodiment of the invention is shown on the accompanying drawings, in which

Figure 1 is a side elevation of a portable upright vacuum cleaner equipped with a cleaning tool, wand and flexible hose and showing the wand resting against the support;

Figure 2 is an enlarged fragmentary sectional view of the upper portion of the vacuum cleaner showing the combined wand support and pivoted hose retaining clamp, the wand being shown in section in its supported position; and

Figure 3 is a fragmentary elevational view of the swivelly mounted hose coupling and showing the combined hose support and latching arm.

The illustrated embodiment of the invention comprises a portable electric vacuum cleaner A suitably supported by legs B in upright position. The vacuum cleaner contains the usual motor driven suction fan and filter bag which, since they form no part of the present invention, are not illustrated. At the upper end of the vacuum cleaner is a swivelly mounted coupling member C into which a metallic sleeve D extends, the outer end of which is fixed to a flexible hose E. The other end of the flexible hose E is connected to an elongate metallic tube or wand F, the upper end portion of which is bent as indicated at F'. Attached to the opposite end of the wand F is a floor or cleaning tool G which is moved over the surface to be cleaned as will be readily understood.

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The metallic sleeve D is formed with an outwardly extending annular flange H which fits into an annular recess J in the swivel mounting C and in order to retain the sleeve D in position of use, the nose 10 of a pivoted latch 11 engages over the flange H to releasably retain the sleeve in its connected position. Thus it will be manifest that the hose can be quickly and conveniently attached to the swivel mounting C and is releasably retained in position in an extremely simple but effective manner.

The lever or catch 11 is disposed between a pair of mounting brackets 12 integral with the swivel mounting C, a pin 13 extending through the brackets and lever to provide the pivotal mounting for the lever. A coil spring 14 is interposed between the swivel mounting C and the under side of the lever 11, a socket being provided in the under side of the lever and a centering lug projecting from the mounting C.

The catch 11 is provided with a handle extension 15 which curves outwardly and upwardly away from the swivel mounting C to provide a curved cradle or rest 16 for the wand F. Thus the handle 15 not only serves as the hand hold for actuating the catch lever 11 for engaging and disengaging the flange H of the hose sleeve D, but also serves the added purpose of providing a convenient cradle or rest for the wand F. Thus when the operator momentarily discontinues the cleaning operation, instead of laying the wand on the floor or against some piece of furniture, it can be laid against the cradle 16, the bend F' of the wand F assisting in retaining the wand in the supported position.

From the above, it will be manifest that I have produced a simple and efficient wand support which is unobtrusive in appearance, and which, in addition, provides a convenient actuating part for the hose retaining catch. When the cleaner is in its upright position of use, the cradle or rest is in an accessible position so that the wand can be rested or supported in such position that it is not necessary for the operator to bend over or to run the risk of scraping or marring an article of furniture.

It is to be understood that numerous changes in details of construction, arrangement and operation may be effected without departing from the spirit of the invention especially as defined in the appended claims.

What I claim is:

1. In a portable vacuum cleaner, a body capable of being supported in an upright position, a swivel mounting on the end of said body which is upper-

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most when said body is in said upright position, a flexible hose having a rigid sleeve inserted into said mounting, an outwardly extending flange on said sleeve, a spring-tensioned pivoted catch lever on said mounting having an end portion engaged over said flange to retain the sleeve in position of use, an elongate wand connected to said hose, and a handle extension for said pivoted catch, said extension extending outwardly from said mounting and defining an upwardly facing concavity so as to receive and support said wand when the latter is not in use.

2. In a portable vacuum cleaner, a cleaner body, a hose-receiving mounting on said body, a wand, a hose connected at one end to said mounting and at the other end to said wand, the connection between the hose and the mounting including a sleeve on the hose having an outwardly extending flange, a catch arm on said mounting having a catch engaging the flange for retaining the sleeve

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in the mounting, and an upwardly concave hook extension for said arm projecting outwardly from the mounting and providing a support against which the wand may rest when not in use.

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