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J. W. SHEKER
VACUUM CLEANER SUPPORT
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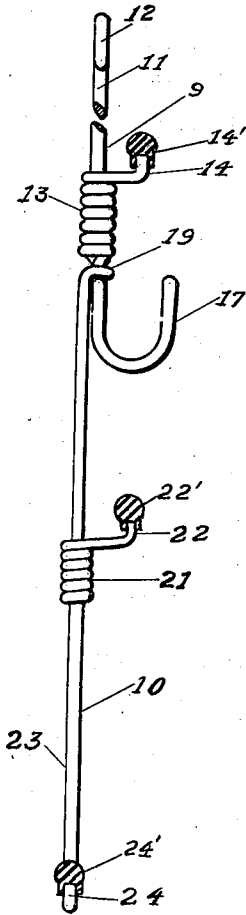


Fig: 2

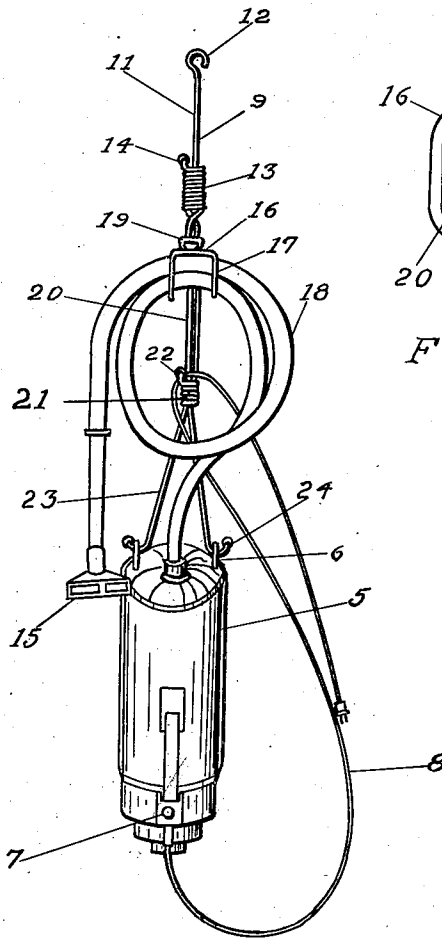


Fig: 1

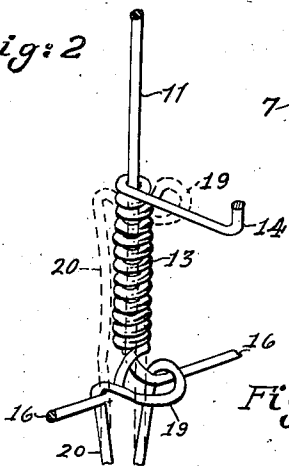


Fig: 4

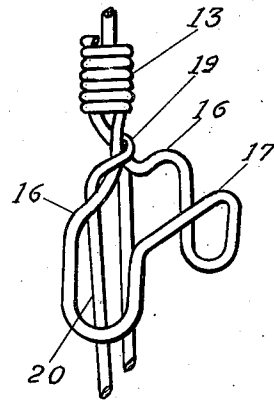


Fig: 3

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VACUUM CLEANER SUPPORT

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4 Claims. (Cl. 248—304)

This invention relates to hangers and more particularly to a hanger especially designed for suspending a vacuum cleaner from a wall or other suitable support to facilitate the use thereof when brushing or cleaning wearing apparel or the like.

The object of the invention is to provide a suspension device or hanger of simple and inexpensive construction capable of being quickly attached to a vacuum cleaner and by means of which said cleaner may be supported in a vertical plane with the vacuum head or brush thereof in convenient position for immediate use.

A further object is to provide a hanger including interengaging upper and lower sections capable of being readily separated to permit said sections to be arranged side by side in a grip or satchel so as to occupy very little space when transporting the same.

A further object is to provide a vacuum cleaner hanger having means for supporting the cleaner hose and electric conductors leading to the motor of said cleaner, one of the hanger sections being provided with a hook adapted to support either the brush or vacuum head of the cleaner.

A still further object of the invention is generally to improve this class of devices so as to increase their utility, durability and efficiency as well as to reduce the cost of manufacture.

In the accompanying drawing forming a part of this specification and in which similar numerals of reference indicate corresponding parts in all the figures of the drawing:

Figure 1 is a perspective view of a hanger embodying the present invention showing the same attached to a vacuum cleaner,

Figure 2 is a side elevation of the hanger,

Figure 3 is a detail perspective view of the interengaging portions of the upper and lower hanger sections.

Figure 4 is a detail perspective view showing in full lines the normal position of the parts with the supporting loop resting on the horizontal arms, and in dotted lines the initial upward movement of the supporting loop when separating the upper and lower sections.

The improved hanger forming the subject-matter of the present invention may be used for supporting all cylindrical types of vacuum cleaners, and in Figure 1 of the drawing the hanger is shown in connection with a vacuum cleaner 5 of standard construction, said cleaner having the upper portion thereof provided with the usual loops or eyes 6 and its lower portion provided with an electric push button switch 7 to which is

connected an electric conductor 8 for supplying current to the motor of the cleaner.

The hanger is preferably constructed of No. 9 gage wire and comprises upper and lower sections 9 and 10 detachably united so as to permit said sections to be readily separated and arranged side by side in a grip or other container when transporting the device from place to place. The upper section 9 is preferably formed of a single wire strand fashioned to form a suspension rod 11 terminating in an eye or loop 12 adapted to fit over a nail secured to a wall or other suitable support. The wire at the lower end of the rod 11 is bent laterally to form a horizontal arm 16 and thence extended downwardly and upwardly to form a loop or holder 17 adapted to receive and support the coils of the hose 18 of the cleaner. The wire is then bent inwardly in horizontal alinement with the arm 16 to form a similar arm and then bent around the adjacent portion of the rod 11 to form a reinforcing coil 13 terminating in an angularly disposed hanger 14 which may be used for supporting either a circular brush or the vacuum head of the cleaner.

The lower section 10 of the hanger is also preferably constructed of a single length of wire bent upon itself to form an angularly disposed loop 19 of sufficient size to pass over the coil 13, and which loop normally rests upon the arms 16 but is not secured thereto so as to permit the upper and lower sections of the hanger to be readily separated when desired. After the angular suspension loop 19 is formed the wires are extended downwardly in substantially parallel relation to form readily separable mating strands 20 around which is bent a connecting wire to form a coil 21, the free end of the wire constituting the coil 21 being bent laterally and thence upwardly to form a hook 22 adapted to receive and support the electric conductor 8. The strands 20 immediately below the connecting coil 21 diverge laterally, as indicated at 23, and terminate in hooks 24 which fit within the eyes 6 of the cleaner, as best shown in Figure 1 of the drawings.

It will thus be seen that by means of the improved hanger the vacuum cleaner 5 may be supported on a wall or the like and in which position the convolutions of the hose 18 thereof will normally rest in the loop 17 and the electric conductor 8 will be supported by the hook 22 when said conductor is not plugged into the house switch. When the vacuum head 15 is in use, the usual circular brush (not shown) will be supported on the upper hook 14.

In order to use the device, it is merely necessary

to plug in the conductor 8 and remove one or more coils of the hose 18 from the loop 17 when the vacuum head 15 may be passed over the clothes so as to thoroughly clean and remove all particles of dust therefrom. If it is desired to brush a hat or remove dust from shoes, the vacuum head 15 is detached and the circular brush positioned on the end of the hose 18 and while this brushing operation is being effected the vacuum head 15 will be supported on the hook 14. In order to detach the upper and lower sections of the hanger to permit said hanger to be conveniently carried in a grip or satchel, the angular loop 19 is moved longitudinally of the upper section until it reaches the end of the coil 13 when by slightly separating the strands 20 the angular loop 19 may be readily passed over the hook 14. By now giving the upper section a quarter turn the eye 12 will register with the space between the strands 20 of the lower section so as to permit the eye to readily pass therethrough and thus separate the upper and lower sections for the purpose previously described. By reversing the movements just described, the upper and lower sections may be reassembled and in which position the angular hook 19 will rest against the arms 16 and support the vacuum cleaner in position for immediate use.

If desired, the hooks 14, 22 and 24 may be fitted with rubber knobs, as indicated at 14', 22' and 24', to form a protection and cover for the ends of the wires.

It will, of course, be understood that the hangers may be made in different sizes and shapes and constructed from any suitable material without departing from the spirit of the invention.

Having thus described the invention, what is claimed as new is:

1. A hanger for vacuum cleaners comprising co-acting readily separable upper and lower sections, the lower section being provided with diverging arms terminating in hooks for detachable engagement with the suspension loops of a vacuum

cleaner and the upper section being provided with a loop adapted to receive the coils of the vacuum hose of said cleaner, and a hook spaced from the loop and adapted to receive and support a cleaning element of said vacuum cleaner.

2. A hanger for vacuum cleaners comprising detachably united upper and lower sections, the upper section being provided at its lower end with a hose supporting loop and at its upper end with a suspension eye for engagement with a support, the lower section having its upper end provided with an angular loop loosely resting on the adjacent walls of the hose supporting loop and its lower end provided with diverging arms terminating in hooks for detachable engagement with the suspension loops of said vacuum cleaner.

3. A hanger for vacuum cleaners comprising detachably united upper and lower sections, the upper section being formed of a single length of wire fashioned to form a rod terminating in an eye for engagement with a support, the wire at the lower end of the upper section being bent upon itself to form a hose supporting loop and thence coiled around the rod and extended at an angle thereto to form a hook for supporting a cleaning element of the vacuum cleaner, the lower section of the hanger comprising companion strands, the united upper ends of which are bent to form an angular loop detachably resting on the hose supporting loop, the lower ends of the strands being bent laterally and provided with terminal hooks for detachable engagement with suspension hooks on said vacuum cleaner.

4. A hanger for vacuum cleaners comprising upper and lower detachably united sections, the upper section being provided with horizontally disposed arms terminating in a hose supporting loop and the lower section being provided at its upper end with an angularly disposed loop resting on but freely separable from said arms, the lower end of the lower section being provided with hooks for detachable engagement with the suspension loops of said vacuum cleaner.

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