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VACUUM CLEANER

Original Filed July 26, 1922

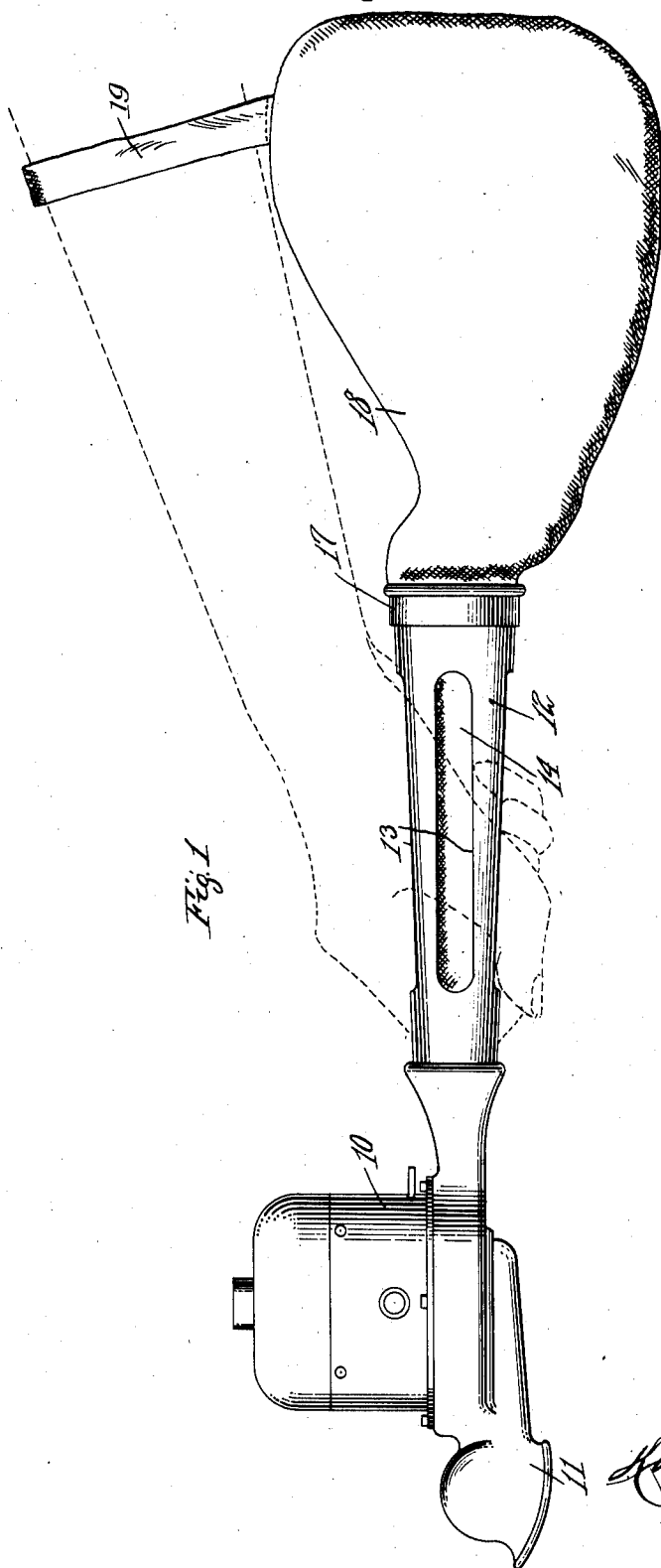


Fig. 1

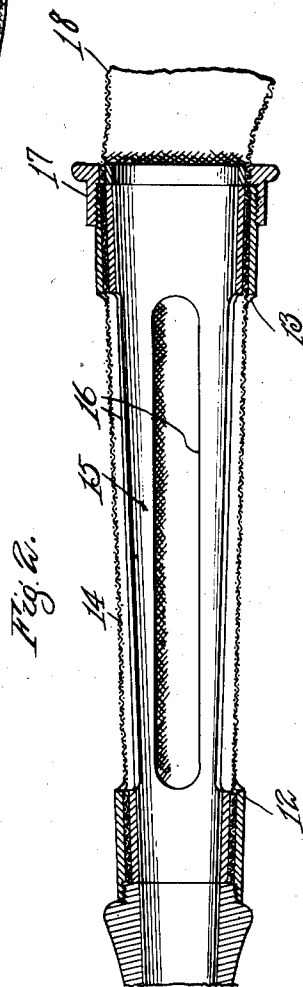


Fig. 2

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VACUUM CLEANER.

Original application filed July 26, 1922, Serial No. 577,645. Divided and this application filed March 28, 1925. Serial No. 19,141.

This invention relates to new and useful improvements in cleaning devices, and particularly to vacuum cleaning devices said application being a division of my prior application filed July 26, 1922, Ser. No. 577,645.

One object of the invention is to provide a vacuum device which is particularly adapted for removing dust from clothing, tapestries, fabrics, and the like, and is designed with a view to facilitate the manual direction and positioning thereof with reference to the surfaces to be cleaned, and of readily permitting the removal of the collections of dust and dirt without injury to the fabrics, as well as to permit the quick and easy removal of the dust and dirt collector.

Another object is to provide a device of this character which is simple in construction, effective in its operation, and which is strong and durable.

Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawing.

In the drawing:—

Figure 1 is a side elevation of a vacuum cleaner made in accordance with the present invention.

Figure 2 is an enlarged vertical longitudinal sectional view through the handle of the device, to show the removable dust collecting bag carried by the rear end of the handle.

Referring particularly to the accompanying drawing, the device includes the casing 10 which contains suction producing means described in my copending application, above-mentioned, and at one side of the lower portion of said casing there is formed the suction spout or nozzle 11, and to the other side of said lower portion there is connected the hollow handle 12. In the handle there are formed the longitudinal elongated slots 13.

Disposed within the handle is a fabric sleeve 14, and tightly fitted within the sleeve 14 is a metal sleeve 15, said latter sleeve having the longitudinal slots 16, which, when the two sleeves are properly positioned within the handle, register with the slots 13, as will be readily understood. The rear portion of the outer face of the handle is

threaded to receive the internally threaded metal collar 17, which is secured to the smaller end of the dust collecting bag 18. A fabric loop 19 is secured to the bag 18, adjacent its larger closed end, through which the operator slips his arm to hold the bag in proper suspended position while the hand grasps the handle, to pass the nozzle over the article to be cleaned.

It will, of course, be understood that the fabric sleeve 14, as well as the bag 18, are of such material that the air blown through the handle will pass out through the pores of the material, while the dust and dirt remains within said elements.

Ordinarily the sleeve 14 is sufficient to hold the dust and dirt removed from small articles, but when larger surfaces are to be cleaned it is necessary to provide a larger receptacle for such excess dust and dirt. In this case the larger bag 18 is attached to the rear of the handle, into which the dust passes after passing through the sleeves 14 and 15.

The bag 18 is removed from the handle by unscrewing the collar 17 from the handle, as will be obvious from the drawing.

What is claimed is:—

1. A handle for attachment to a suction producing means comprising telescoped tubular members having registering longitudinal openings, a dust receiving fabric sleeve disposed between the tubular members and having its ends frictionally retained between the ends of the tubular members, and a dust receiving bag having means for attachment to one end of the telescoped members and serving to retain the adjacent end of the sleeve in position.

2. A handle for attachment, at one end, to a suction producing means comprising a tubular member, a dust receiving bag secured to the other end of the handle, a fabric sleeve secured within the handle, and openings in the handle whereby to permit escape of air from the suction producing means upon the dust bag becoming filled, and whereby to prevent clogging of the device.

In testimony whereof, I affix my signature.

FRANK W. FINKHOUSEN.