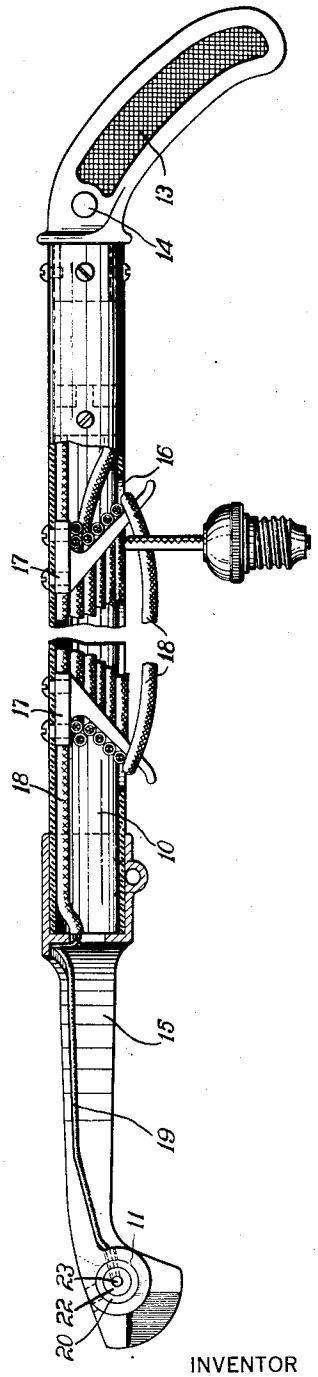
March 16, 1926. 1,576,701

C. AALBORG

VACUUM SWEEPER

Filed Sept. 2, 1922



WITNESSES:

H. W. Funk.

F. A. Lind

INVENTOR

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BY

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ATTORNEY

Patented Mar. 16, 1926. 1,576,701

UNITED STATES PATENT OFFICE.

CHRISTIAN AALBORG, OF PITTSBURGH, PENNSYLVANIA.

VACUUM SWEEPER.

Application filed September 2, 1922. Serial No. 585,878.

To all whom it may concern:

Be it known that I, CHRISTIAN AALBORG, a citizen of the United States, and a resident of Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Vacuum Sweepers, of which the following is a specification.

My invention relates to vacuum cleaners, and it has particular relation to the construction of handles therefor.

One object of my invention is to provide a novel arrangement for disposing of the connection between the cleaner motor and the source of electrical power when the cleaner is not in use and for disposing of that portion of the connection which is not being used when the cleaner is being operated.

Heretofore, it has been customary to dispose of the conductor by winding it upon two spaced clips arranged upon the outside of the handle of the cleaner. Under such conditions, the conductor is, at all times, exposed to view, is subject to the accumulation of dust and dirt and may cause annoyance to the user.

In accordance with my invention, I provide a hollow handle having the conductor-supporting clips mounted on the inside thereof and provided with a slot in the underside of the handle whereby the conductor is admitted to the inside of the handle to be wound on the clips, thus avoiding the aforementioned objections.

For a better understanding of my invention, reference may be had to the accompanying drawing, which is a sectional view of the handle illustrating the conductor-supporting clips and the pivotal connection between the handle and the motor casing.

Referring now to the drawing, the handle shown generally at 10 is provided with pivotal connections 11 by means of which it may be connected to any cleaner casing. In order to simplify the construction and increase the durability, the pivotal connections may be properly insulated and utilized in any suitable manner for delivering current from a power source to an operating motor.

As will be observed, the handle 10 comprises a relatively long hollow member 12 composed of bakelite or other suitable material. At one end of the member 12 is mounted a hand member 13 comprising an electric switch 14 and at the other end, it is connected to a forked member 15 upon which the connecting members 11 are mounted.

The hollow member 12 is provided, on its underside, with a comparatively long opening 16 which is relatively wide adjacent its ends and constricted throughout the intermediate portion. Within the member 12, and diametrically opposite to the opening 16, are mounted two oppositely disposed clips or hooks 17 which are attached to the wall of the member 12 and the ends of which protrude through the opening 16 adjacent to the ends thereof.

The conductor 18 enters the handle at its lower end and extends throughout its entire length to the switch 14 disposed at the outer end of the member 10. From the switch, the conductor extends down the handle, and, when in use, out through the opening 16 to a suitable electrical connection. When it is desired to put away the cleaner, the conductor is wound upon the protruding ends of the clips 17. As shown, the clips 17 converge toward their inner ends. Therefore, when the conductor is wound on the clips and drawn taut it slides through the opening 16 into the handle 10 where it is out of view and protected from the usual deposit of dust and dirt.

The conductor 18 consists of the customary two individual conductors 19, of different potential, combined to constitute a single cord or cable but insulated from each other. At the inner end of the member 10, the conductors 19 are separated for individual attachment to the arms of the member 15. The ends of the member 15 are severally provided with pivotal connecting devices 11 comprising metallic sleeves 20 which provide seats for the reception of a motor provided with suitable bearings.

Within the cylinder 20 is disposed an insulating bushing 22 and a conducting pin 23 which is electrically connected to the conductor 19.

While I have shown but one form of my invention and have described in detail but a single application thereof, it will be apparent to those skilled in the art that it is not so limited but that various changes and modifications may be made therein without departing from the spirit and scope of the invention, and I desire, therefore, that it

shall be limited only to the structures defined by the accompanying claims.

I claim as my invention:

1. In a portable motor-driven device, in combination, a conductor cord for connecting the device to a power source, a handle for operating said device, said handle having an open cord receiving chamber formed therein and cord receiving clips mounted in said chamber, said clips extending outside of the handle whereby the cord may be wound thereon.

2. In a portable motor-driven device, in combination, a conductor cord for connecting the device to a power source, a handle for operating the device, said handle having an open cord receiving chamber formed therein, cord receiving clips mounted in the chamber and extending beyond the handle for receiving the cord, said clips being adapted to guide the cord into the chamber as it is wound thereon.

3. In a portable motor-driven device, in combination, a conductor cord for connecting the device to a source of power, a handle for operating said device, said handle having an open cord receiving chamber formed therein, a plurality of cord receiving clips mounted in the chamber and extending out of the chamber, said clips being disposed to diverge as they extend outward, whereby said cord is guided into the chamber as it is wound on the clips.

4. In a portable motor-driven device, in combination, a conductor cord for connecting the device to a source of power, a handle for operating said device, said handle having a longitudinal slot formed therein for receiving the cord, cord receiving clips mounted in the opposite ends of the slot and extending beyond the handle, said clips being disposed to diverge as they extend outward, whereby the turns of the cord are guided into the slot as they are tightened on the clips.

5. In a portable motor-driven device, in combination, a conductor cord for connecting the device to a source of power, a handle for operating the device, said handle having a longitudinal slot formed in the under side thereof for receiving the conductor cord, clips for supporting the cord mounted in the slot, said clips being adapted to guide the cord into the slot as the turns are tightened thereon.

In testimony whereof, I have hereunto subscribed my name this 31st day of August, 1922.

CHRISTIAN AALBORG.