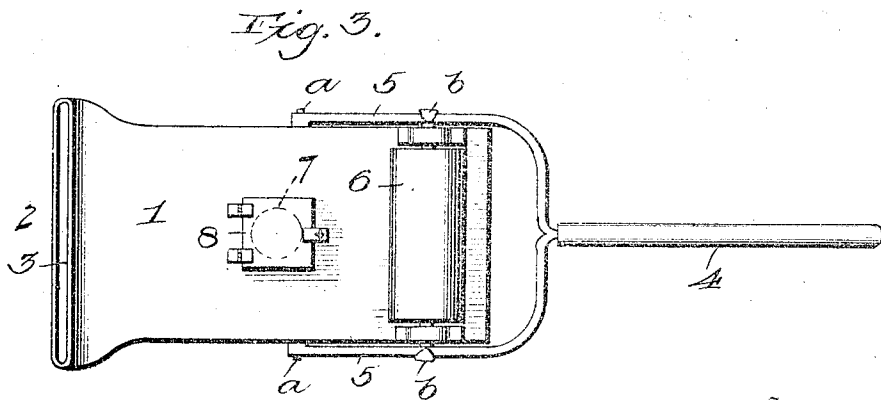
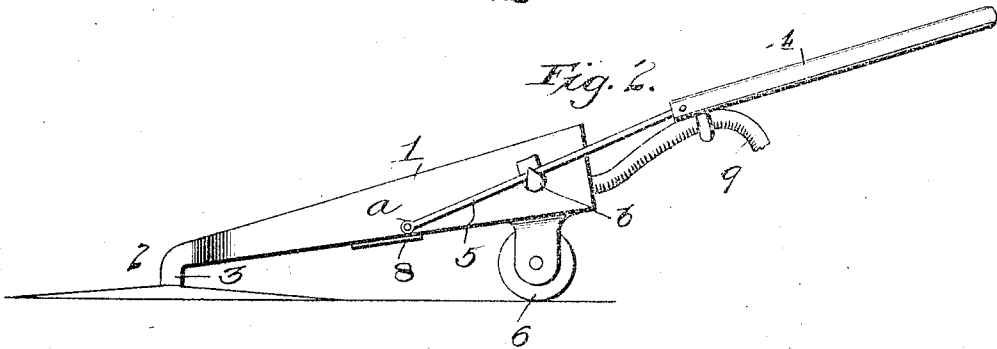
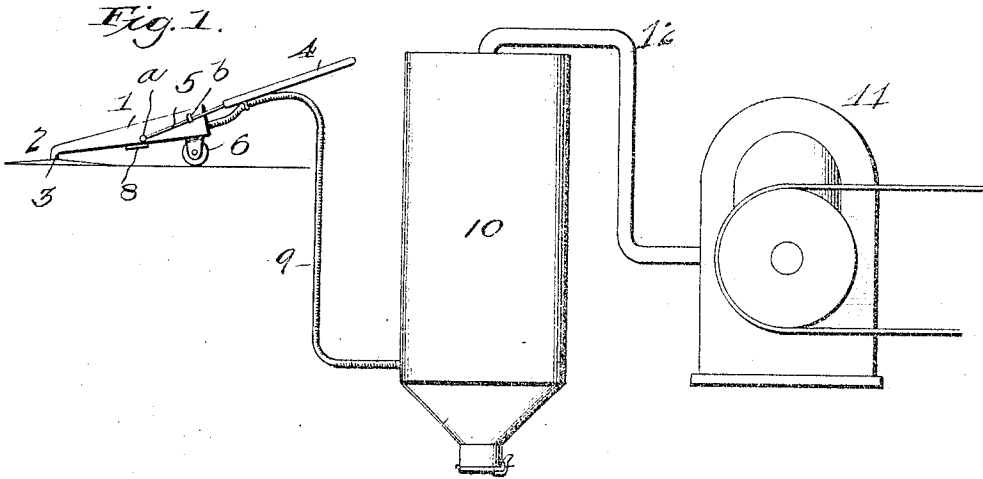


No. 838,290.

PATENTED DEC. 11, 1906.

C. D. WESTMAN.
CARPET CLEANING DEVICE.
APPLICATION FILED NOV. 22, 1905.



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UNITED STATES PATENT OFFICE.

CHARLES D. WESTMAN, OF RICHMOND, VIRGINIA.

CARPET-CLEANING DEVICE.

No. 838,290.

Specification of Letters Patent.

Patented Dec. 11, 1906.

Application filed November 22, 1905. Serial No. 288,597.

To all whom it may concern:

Be it known that I, CHARLES D. WESTMAN, a citizen of the United States, residing at Richmond, in the county of Henrico and State of Virginia, have invented new and useful Improvements in Carpet-Cleaning Devices, of which the following is a specification.

This invention relates to improvements in devices for cleaning and renovating carpets, rugs, &c., and has particular reference to that class of cleaners wherein exhaust air or suction is used as a cleaning means.

The object of the invention is to provide a simple, handy, convenient, and reliable cleaning device that will effectively perform the work for which it is designed and yet will not beat down or destroy the nap or surface of the article being operated upon and which may be used to the best advantage under the most difficult and adverse conditions.

To these ends the invention consists in the construction and novel arrangement and combination of the several parts of the device, as hereinafter described, illustrated in the drawings, and more particularly pointed out in the claim hereunto appended.

In the drawings, Figure 1 is a view in elevation of the device. Fig. 2 is an enlarged view in elevation of the suction-nozzle and handle for manipulating the same; and Fig. 3 is a bottom view of the nozzle, showing means permitting access to the interior thereof and a roller upon which it is mounted.

Referring to the drawings, the numeral 1 indicates a suction-nozzle having its cleaning or air-receiving end 2 broadened laterally and flattened and terminating in a downwardly-extending curved portion or end 3, which end portion is adapted to rest upon and travel over the surface of the carpet or other article being operated upon or cleaned. This nozzle 1 is provided with a suitable forked handle 4, by which it is guided and manipulated in its work, and is secured thereto in any suitable manner, preferably by the branches 5 5, pivoted to the sides of the nozzle at *a*, said sides having hangers *b* to engage the branches and hold them rigid. The nozzle is mounted on a suitable roller 6, by which it is supported and upon which it moves over the article being cleaned and also serves as a fulcrum whereby the suction end 3 of the said nozzle may be lowered into and raised from contact with the surface of the article being cleaned by the

raising and lowering of said handle, respectively. It is also evident that by the use of this handle the suction end 3 of this nozzle may be made to bear upon the surface of the article being cleaned either heavily or lightly, as desired, and that it may be made to bear so lightly that the suction of said nozzle will draw the carpet away from the floor, as shown in Fig. 1, thereby permitting a greater flow of air beneath the carpet and facilitating the removal of the dust from the floor thereunder. The numeral 7 indicates an opening in the under side of said nozzle and is for the purpose of permitting access to the interior thereof for cleaning, &c., and 8 a suitable air-tight door or closure therefor. The numeral 10 indicates a suitable dust-collecting receptacle, and 9 a flexible tube or hose connecting said nozzle 1 with said dust-collecting receptacle 10. The numeral 11 indicates a suitable exhaust operated from any suitable source, and 12 a hose or tube leading from said dust-collector to said exhaust, as shown.

The operation of the device is as follows: The device being in position for operation, the exhaust is started, the carpet or rug being cleaned will be drawn up from the floor against the mouth of the nozzle, and the air will be drawn up therethrough, carrying with it and removing from said article all dust and dirt, which will pass on through the nozzle and flexible tube into the dust-collector and thence out through the exhaust. During the operation the nozzle is pushed around over the article being cleaned by the handle 4, and as it is sometimes necessary in order to thoroughly clean an article, such as a carpet, that the suction end of the nozzle be pressed tightly against the surface of the article and at other times just resting lightly thereon, this is accomplished by the raising and by the lowering of said handle 4 and is a very important feature of the invention, as without being able to easily and quickly change the pressure of the suction end of the nozzle on the surface of the carpet such carpet cannot be thoroughly cleaned. This feature is also found to be of considerable importance in the cleaning of carpets very much worn and carpets composed of delicate or thin material, as it very much lessens the liability of tearing or breaking the surface during the cleaning. Other advantages of the construction of the present invention will be obvious and need not be here mentioned.

Having thus fully described my invention, what I claim is—

In a device of the character described, the combination with a suction-nozzle having its forward or suction end flared laterally and flattened and curved downwardly, and an opening and closure therefor in the under side thereof to permit access to its interior, and a suitable roller on which said nozzle is mounted, of a handle provided with a forked end, the branches being pivoted to the sides of said nozzle, and means on each side of said nozzle adapted to engage the branches of said

handle to hold said handle rigid, whereby, with said roller as a fulcrum, the mouth or suction end of said nozzle may be made to press either heavily or lightly against the surface of the article being cleaned, or raised from or lowered into contact with said surface at the will of the operator.

In testimony whereof I affix my signature in presence of two subscribing witnesses.

CHARLES D. WESTMAN.

Witnesses:

DAVID MEADE WHITE,
W. T. MOCKLAR.