This invention relates to portable, domestic vacuum cleaners of the general type having a motor driven blower drawing air through a mouth piece and discharging it into a removable pervious bag.

The present invention includes means attachable to such a cleaner and having for its purpose to deliver the air, received from the cleaner, in a heated condition for many useful purposes.

In other words, an object is to provide a self-contained appliance which is readily adaptable to various types of portable electric vacuum cleaners, for heating air as it is discharged from the usual outlet flue of the machine.

A further important object is to provide great reduction of the usual high speed of motor action of vacuum cleaners, both for the purpose of reducing the velocity and volume of delivered air, and to practically eliminate noise incident to high speed and at the same time reduce mechanical wear.

Other objects, advantages and features will be made manifest in the ensuing specification of the herewith illustrated embodiment; it being understood that modifications, variations and adaptations may be resorted to within the scope, spirit and principle of the invention as it is more directly hereinafter claimed.

Figure 1 is a side elevation of the applied invention.

Figure 2 is a cross-section of the barrel of the heating device.

Figure 3 is a sectional view illustrating an attaching adapter.

A conventional form of vacuum cleaner is shown as having the usual outlet flue D to which may be attached any of the common equipment parts as the dust bag.

The cleaner has the usual handle H on which is conveniently looped the electric extension cord E, one end of which is permanently led into the motor M while the other has a plug P.

The present attachment consists of an air heating appliance here shown as having a plurality of tubes 2 with hubs 2" rotatively embracing a main body or barrel 3 having openings 3" to register with the tubes in their several positions of adjustment about the main body 3.

On one end of the barrel is an adapter or coupling 4 which is attachable to a given type of discharge D of the selected cleaner; it being understood that adapters 4 of various types may be specially designed to connect with respective cleaners without any change of either or of the heating appliance.

The tubes 2 are each provided with an efficient system of heating coils 5 energized by electric current supplied to a switch box 7 which is provided with an extension cord 8 whose plug 9 is insertible into any convenient service socket.

A feature of the invention consists of a rheostat 10 having a socket for the plug P of the cleaner cord E; the rheostat being served with current by the cord 8. The object of the rheostat is to control the volume of air flow from the cleaner by regulating the speed of the fan motor M.

Various disposition may be made of the air driven past the heating coils. For instance, a conduit 15 may be applied to one of the tubes 2 and this conduit may have a hot air pad 16 usable in lieu of a “hot water bottle” for its various purposes. Or a stream of warm air may be discharged from a nozzle hose 18, as for drying hair, etc. Or the hot air can be discharged directly from the appliance into a room to heat the same, through a distributor head 19.

It is obvious that innumerable variations of distributors and uses are fully within the scope of the invention, and that those mentioned are but illustrative.

It will be seen that by controlling the volume of air discharged by the cleaner ample time will be provided for raising its temperature to the desired degree by the heater.

The head 19, of which a set may be closed over the group of heating tubes, may have enclosed distributing wheels to centrifugally throw the air out through the sides of the head to effectively circulate the warm air in the room.

What is claimed is:

1. An attachment for vacuum cleaners whereby the output air may be regulated in volume and heated, and including a horizontal hollow body attachable to the cleaner outlet, a series of independent, radial tubes adjustably mounted on said body to receive air therefrom and having electric heating coils, flexible discharge pipes attached to the tubes for various distribution of the heated air, and switch and rheostat means mounted on said body for control of current to said...
coils and to regulate speed of the cleaner motor.

2. A unitary air heating attachment, for combination with a portable vacuum cleaner, including as an organized unit a horizontal barrel body having a coupling part for attachment to the cleaner outlet conduit, a heating tube rotatable upon said barrel and enclosing an electric heating unit, means attached to the tube for distribution of the heated air, a rheostat device attached to the barrel and adapted for attachment of the usual electric cord plug of the cleaner, a switch on the barrel for controlling the heater, and a main service cord for supplying current, to the switch and to the rheostat; the latter being operative to control the cleaner motor speed and thereby regulate the volume of air sent to the heating coils.

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