This invention relates to furniture or fittings for human habitations, whether attached to existing forms of furniture, constructed as a separate portable unit, or built in as an integral part of the architecture.

The objects of the invention are to provide a convenient cabinet or repository for receiving, and enlarging the service of, modern electric suction sweepers; to extend to such devices the utilities of standard tools and appliances of so-called vacuum cleaner plants; and to combine in a single piece of furniture, a mirrored hall-rack and sanitary clothes cleaner, together with minor service rendering features as will appear.

In carrying out the invention, I construct a cabinet having air-ways leading inward to the reposed cleaner within.

Since many of the older forms of electric suction cleaners and sweepers have unwieldy and multifarious features without aim or apparent thought of standardization, I do not attempt to show a construction, ready to receive any and every of them, but the invention contemplates a construction that would repose any of them for the same purpose.

For the reason stated, I illustrate in the accompanying drawings, forms of cleaning appliances, which are of my separate inventions, conceived and constructed, largely anticipatory of the present invention. Referring to the drawings thereinafter, part of one side of the same being removed to show details of the interior.

Fig. 2 is a front view of the same, where the drawer is slid side-wise on its ways so as to show a front view of the interior containing the operably connected sweeper, and showing details of its connections. Fig. 2 shows a vertical section cutting thru the chambered member 25 on a line passing thru the orifice 24 and the slot 25. Fig. 3 is a plan view of the same, partly in section on the line X—Y of Figure 2. Fig. 4 is a front elevation of a simplified form of the invention, in which the cabinet is closable by hinged doors, and may be movable or built in, as a part of architectural plans. Fig. 5 is a perspective view of the form shown in Figure 4 where the doors are removed, and the interior exposed as it appears when the cleaner is removed for floor sweeping, or other work at a distance from the cabinet. Fig. 6 is a side elevation, reduced in scale, of a sweeper suitable for use in the device, and suggesting method of replacing fouled dust receptacles. Fig. 7 illustrates a suitable printed paper dust receptacle, for use in the device, it being desirable to use paper filters, since the discharge air from the cleaner in use is returned to the room in which it is operated.

Referring further to the drawings, I designate an exterior casing of a cabinet or drawer thereof, standing near the wall 2. It may be supported by run ways 1', 1' secured to the hollow upright posts 3, 3, which have closed upper and lower ends, but are provided with air-ways 3', 3', which are operatively joined with an air-way transverse pipe or conduit 3". Leading into the air-ways of the cabinet is the longer part of the suction pipe handle 4 connecting with the nipple 4" communicating with the air-ways of the cabinet. An extension 5 of the frame work, having legs 6, 6, provides a hall seat and gives stability to the device. Hooks 7, 7, etc. are secured at opposite sides of the mirrored front 8, adapted to suitably support clothes to be cleaned. In the Fig. 2 form of the device the space 8' around the mirror, is double thick sheet metal, spot-welded to the back, the metal being integral with that making the shells of the posts 3, 3. In the form suggested by Fig. 4, a wooden frame 8" may hold a mirror, and with it form the main door of the cabinet.

The cleaner, to be inclosed has an electric motor 9 arranged to drive the centrifugal air pump or fan 9' so that suction will proceed either thru the handle 4 or the shorter section 4' connecting with the suction tool 10, according as the valve 10' is turned with the arrow pointing up or down. The nipple 4" leads from the chamber 11' which likewise connects with an exterior set of nipples 12, 12', etc. each closable with caps 12', 12' etc., all being air inlets to which a suitable suction hose 13, carrying application tools 14 is attachable for service.

The slotted floor tool 10 of the cleaner impinges on the chambered member 25, in the bottom of the cabinet, the slot or mouth of the floor tool coinciding with the slotted opening 26 leading from the interior cha-
ber, which likewise has an orifice 24 designed to coincide with the in-leading orifice 24' of the transverse conduit 3' which connects the upright passages.

5 The dust collector which I illustrate with the device consists of a mesh fabric cover connected to the fan exhaust. Flaps 27 and 28 of the cover are designed to be tucked over a printed paper dust holding envelope 29, having a mouth 30 adapted to connect with the fan exhaust inside the cover, the lower edge of which is then folded up and secured with the upper edge to the pipe handle 4. This arrangement restricts the space occupied by the collector as a whole during inflation.

When the dust bag is attached and the cleaner is set into its repository, the motor 9 reposes on the rest 15 which has a vertical adjustment and is operated by the foot-lever 16, so as to simultaneously bring the tip of the handle 4 and the mouth of the floor tool 10, into registering engagement, respectively, with the nipple 4' and slot 25'.

Electric connection may be made to the wall outlet 17 and the cabinet outlet 18 by wires 18' connecting the two outlets. Wires 17' may be strung to the push button device 17'' thru the hollow interior of either of the posts 3. The service cord 19 adapted to connect with the outlet 18 is preferably wound on a suitable enclosing reel 20; and a peg 21 is arranged within the cabinet on which the reel may be hung.

A foot rest 31 and shoe cleaning and polishing things 14 and 32; as well as other paraphernalia may be kept under the lid or seat 5' of the extension 5, and within reach of the connected hose 13, which is adapted to enhance their service. In the substitute form, the inside of the lower doors 33, 33' may receive such equipment or modification thereof.

To explain the operation for the main purposes, let it be understood that besides the ordinary floor sweeping to which the cleaner shown is adapted, the hose 13, or any suction tool as 14 may be directly or indirectly connected to the end of the handle 4, and special cleaning performed at any distant place. But to utilize the cabinet, adjustment is made so that as the motor rests on the rest 15 in its lower limit, the tip of the handle 4 will be pushed into the nipple 4'' as the rest is lifted by the foot-lever 16. The mouth of the floor tool is brought to registering relation with the slot 25' by the same operation, so that no matter in which position the valve 10' has been left by the user, operable connection to the air-way system of the cabinet is assured. If a simple form of sweeper not having the suction handle is to be provided for, a simpler arrangement for floor tool connection only, may be substituted on the bottom of the repository. The hose that is usable by attachment to the cleaner, is in any case to be attached to the cabinet, when the cleaner reposes within, and an air carrying conduit is to connect them. In Figure 5 I show how an L-shaped air way 33 traversing the bottom and one side of the cabinet is connected to the nipple 4" at the top, to the hose nipple 12 near the middle of the riser, and by an L 34 to the mouth block 25 on the horizontal section. Opening or closing the door of the cabinet where this style of piping is used does not interfere with the continuity of the air-ways; but where the cabinet drawer is to be slid open as shown in Fig. 2, in order to operate successfully after the cleaner is properly set in place, the drawer must be slid back until the ports 23 and 24 coincidentally coincide with 23" and 24". A portion of the top of each repository is to be left open for the exit of the exhaust air which filters thru the paper and cloth retainer. A screen 22 may cover such opening, and in order to muffle the sound extra dust bag paper receptacles waiting to be used may be laid over the screen without loss of efficiency.

Having thus described the invention and the manner of operation, it is apparent many variations are possible within the scope of the invention.

What I claim and desire to secure by Letters Patent is:

1. In combination with a repository for electric suction cleaners of the manually portable type said repository having a conduit in the wall thereof, of a support for detachably holding the cleaner, a suction hose-pipe, means for operatively and detachably connecting said hose-pipe to said conduit from without, means for operatively connecting the cleaner to said conduit from within the repository together with means to operate the reposed cleaner.

2. In a device of the kind described, upright supporting means for a suspended suction-cleaner hose-pipe, means for supporting and closing a suction-cleaner in conjunction therewith and means for securing a disconnectible cooperative connection between the supported and closed cleaner and the hose-pipe.

3. In combination with a suction cleaner having a plurality of suction inlets, a suction hose pipe, a receptacle in which to closet said cleaner with a wall of said receptacle in substantial parallelism with the handle of the cleaner, means for detachably and operatively connecting said hose pipe to said wall, said receptacle having means for detachably connecting a suction inlet of the cleaner with said connected hose pipe.

4. In combination with a suction cleaner having a handle with a passage there-through and a suction inlet, a suction hose
pipe, means to support the handle of the cleaner in a substantially upright position, the said supporting means having a vertically extending part adjacent to the handle of the cleaner having means for supporting the suction hose pipe of the said cleaner to operatively connect to the suction inlet of said handle.

5. In combination with a suction cleaner having a handle with a passage therethrough and a suction inlet, a suction hose pipe, and supporting means for said suction cleaner and said hose pipe, said supporting means having an upwardly extending part adjacent the handle of the cleaner provided with means for suspending the suction hose pipe on said support and with means for operatively connecting the suction inlet of the handle with said suspended hose pipe.

6. The combination of a suction cleaner having a hollow open ended handle in communication with the suction producing means, a housing in which to store said cleaner with its handle extending upward, a wall of said housing having a chamber and an aperture communicating with the chamber and with the upper open end of the handle, and a suction hose detachably connected with said wall in communication with said chamber from outside the housing.

In testimony whereof I affix my signature.

DANIEL BENSON REPLOGLE.