Nov. 10, 1953 R. K. BROWN 2,658,224

VACUUM CLEANER CART

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Fig. 1.

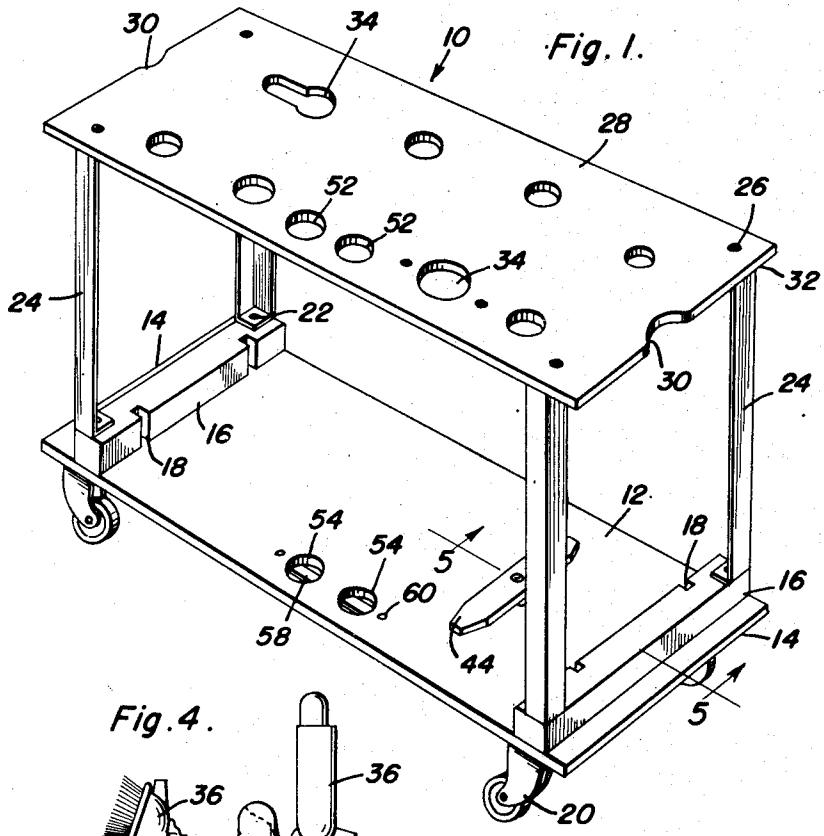


Fig. 4.

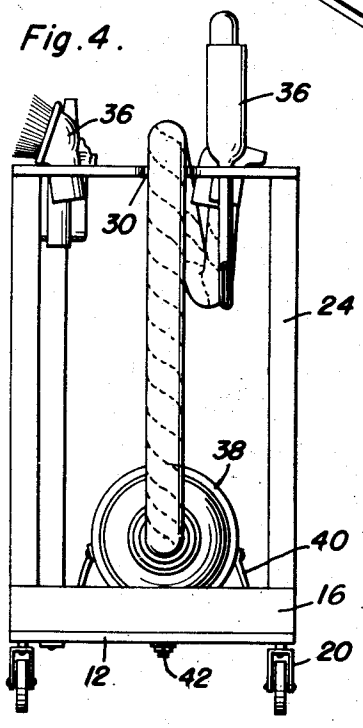
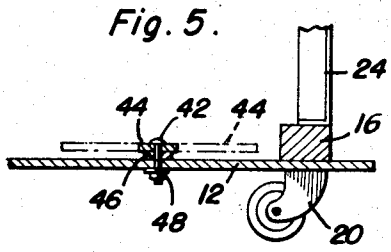


Fig. 5.



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Fig. 2.

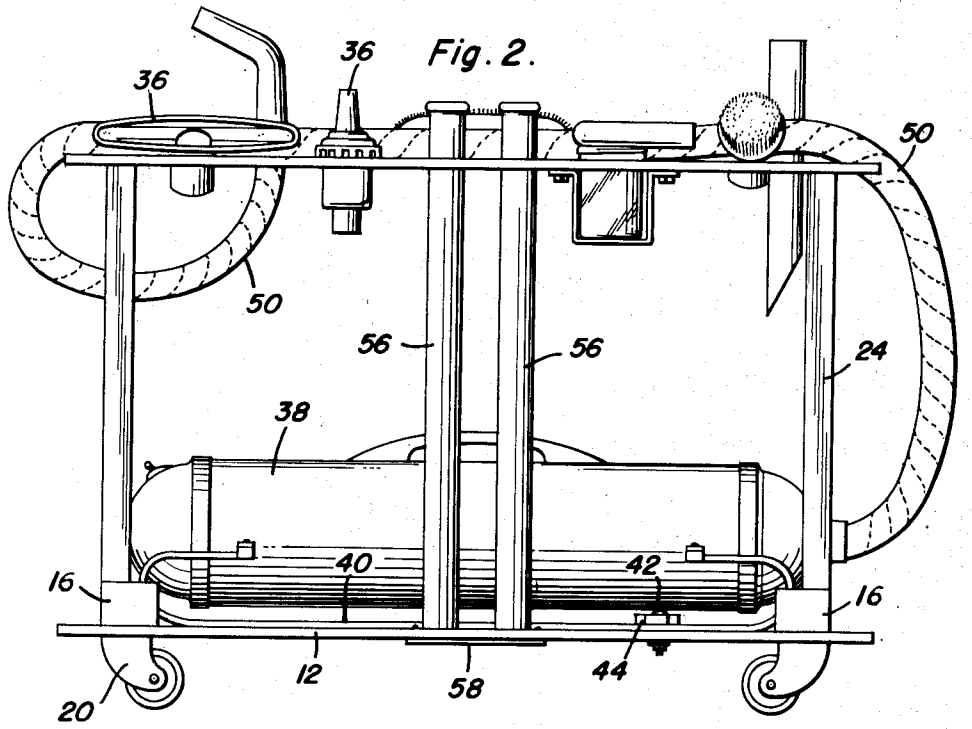
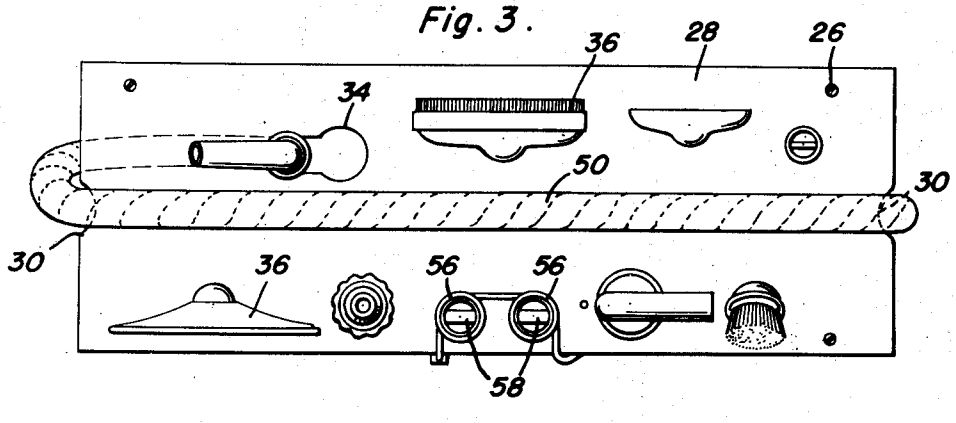


Fig. 3.



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VACUUM CLEANER CART

Roland K. Brown, Dalhart, Tex.

Application November 30, 1949, Serial No. 130,170

5 Claims. (Cl. 15—257)

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This invention relates to a cart for mounting a tank-type vacuum cleaner, hose and all of the attachments, the card being supported on caster wheels for easy movement thereof in any direction while in use or when being moved from room to room.

The primary object of this invention is to provide a light-weight cart of the character described for convenience in the use of a tank-type vacuum cleaner in such a manner that the cleaner need not be removed for any purpose whatever.

Another object of this invention is to provide a cart of the character described which is light in weight so that it can be carried upstairs or into the basement, which is relatively simple in design and construction, cheap to manufacture, and very efficient for its intended purpose.

Yet another object of this invention is to provide a movable cart for retaining a tank-type vacuum cleaner and attachments comprising substantially rectangular base and top panels, caster wheels carried adjacent the corners of said base panel, standards interconnecting said panels adjacent their corners, means for removably retaining a tank-type vacuum cleaner on said base panel, and means for removably retaining attachments on said top panel.

These, together with various ancillary objects and features of the invention which will later become apparent as the following description proceeds, are attained by the device, a preferred embodiment of which has been illustrated, by way of example only, in the accompanying drawings, wherein:

Figure 1 is a perspective view of the cart;

Figure 2 is a side elevational view of the cart with attachments thereon;

Figure 3 is a top plan view of the cart;

Figure 4 is an end elevational view of the cart; and

Figure 5 is a sectional view taken substantially on the plane of section line 5—5 of Figure 1.

Specific reference will now be made to the drawings. In the several views, in the accompanying drawings and in the following specification, similar reference characters inidcate corresponding elements throughout.

The cart of the present invention is indicated at 10 and includes a substantially rectangular bottom panel 12 which may be fabricated of a suitable light-weight metal such as aluminum or other light-weight metallic alloys. Secured in any suitable manner to the bottom panel adjacent the end edges 14 thereof is a pair of transversely extending blocks 16 having transversely spaced slots 18 therein. Secured beneath the bottom panel 12 to the blocks 16 adjacent the corners of the panel are light-weight caster-type wheels 20.

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Secured adjacent the corners of the bottom panel and upon the blocks 16 by means of appropriate screws 22 are L-shaped, light-weight standards 24 which are secured at their upper ends by means of appropriate screws 26 to the corners of a substantially rectangular top panel 28. The top panel is provided with arcuated recesses 30 at the end edges 32 thereof. As will be seen readily in Figure 1, the top panel is provided with apertures or holes 34 of different sizes and shapes for removably supporting a plurality of the conventional vacuum cleaner accessories 36.

The tank-type vacuum cleaner 38 is positioned lengthwise on the bottom panel 12 with the arcuated portion of the end guard 40 removably received in the slots 18 in the transversely extending blocks 16. To further stabilize and secure the vacuum cleaner in the cart, the bottom panel receives, adjacent one of he blocks 16, a headed bolt 42 which extends through an aperture in the center of an elongated bar 44 and through a spacer block 46 which retains the bar 44 in elevated position above the bottom panel 12. As seen clearly in Figure 5, the free end of the headed bolt 42 is threaded to receive a washer and a closure nut 48 so that the bar 44 is spaced from the bottom panel 12 and is pivotal in a horizontal plane relative thereto. Thus, when the bar 44 is turned to assume the transverse position shown in Figure 1, it will overlie and engage the side guard bars 40 normally provided with the tank-type vacuum cleaner 38. The main hose 50 secured to the tank of the vacuum cleaner 38 extends upwardly along one side of the cart, engages one of the arcuate recesses 30 of the top panel, then lies flat on the top panel, bends downwardly and engages the arcuate recess 30 on the other side of the top panel, and then bends upwardly to extend through and be retained in one of the apertures 34 in the top panel, as shown clearly in Figures 3 and 4.

Inasmuch as extra hose extensions are normally required to make efficient use of the vacuum cleaner, the top and bottom panels 12 and 28 are provided with vertically aligned, longitudinally spaced apertures or holes 52 and 54 adjacent one side edge of the panels. The ex-

tension hoses 56 extend through these aligned apertures and are kept from falling through the bottom panels by a pair of blocks 58 which are secured, as at 60, to the bottom panel and underlie the bottom apertures 54.

In view of the foregoing description taken in conjunction with the accompanying drawings, it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention, the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and within the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A movable cart for retaining a tank-type vacuum cleaner having side guard rails and attachments therefor comprising substantially rectangular elongated base and top panels, said top panel including longitudinally spaced apertures adjacent the longitudinal edges thereof and adapted to receive attachments, standards interconnecting said panels adjacent their corners, caster wheels carried by said base panel adjacent its corners, a bar pivoted intermediate its ends to said base panel for movement in a horizontal plane and adapted when moved in a substantially transverse position to overlie the guard rails of the vacuum cleaner, and transverse blocks secured on said base panel adjacent its ends including transversely spaced longitudinally aligned slots for receiving the end portions of said guard rails.

2. The combination of claim 1 and an arcuate recess in the central portion of each transverse edge of said top panel adapted to engage portions of a hose attached to the vacuum cleaner.

3. A cart for carrying a tank type vacuum cleaner and attachments therefor, said cart comprising a rectangular top and a rectangular base spaced therefrom, cross members mounted on said base adjacent the ends thereof, corner posts extending between said base and said top and spacing them from one another, said posts being secured at their upper ends to said top and at their lower ends to the ends of said cross members, said cross members having vertical grooves therein on their opposing facing surfaces to receive the guard rail ends of a vacuum cleaner and restrain them from transverse and longitudinal movement, and casters mounted on said base, said top having its end edges arcuately notched intermediate the corners thereof to guidingly retain a vacuum hose, said top further having a keyhole slot therein adjacent one of its ends and offset from the axial center line thereof to frictionally retain the end of a vacuum hose therein.

4. The combination of claim 3, including a bar pivoted intermediate its ends to said base panel for movement in a horizontal plane to overlie the guard rails of a vacuum cleaner and prevent vertical movement thereof.

5. The combination of claim 3 wherein said top has a plurality of longitudinally spaced openings adjacent its side edges for the reception of attachments.

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