

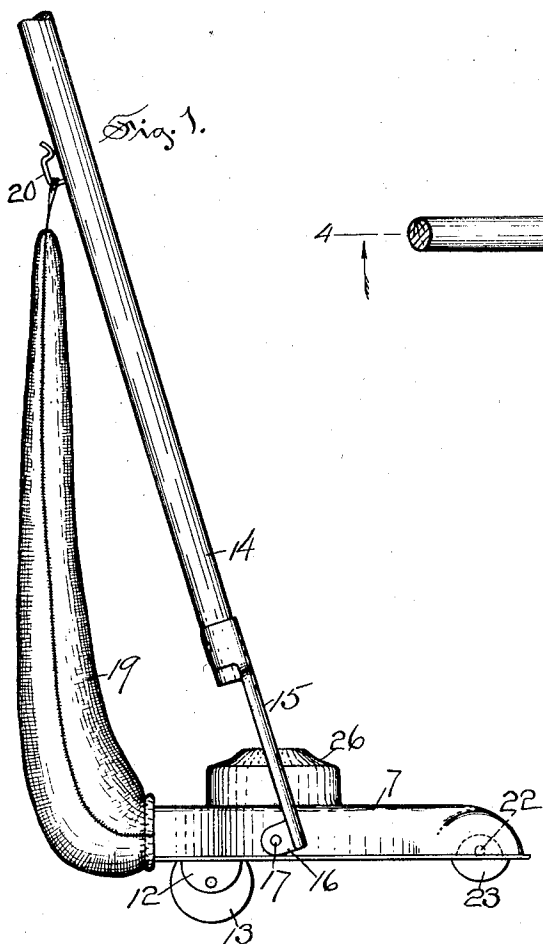
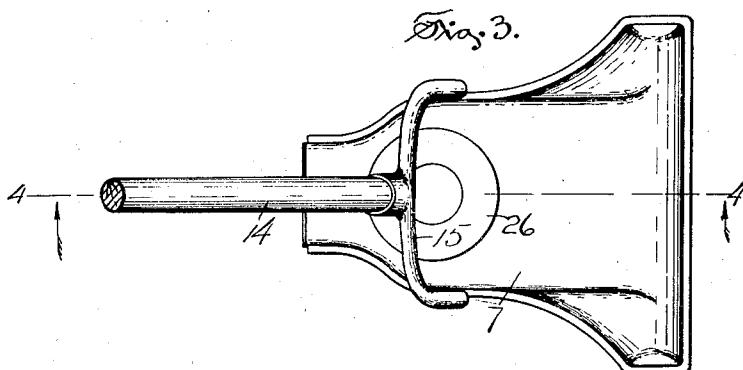
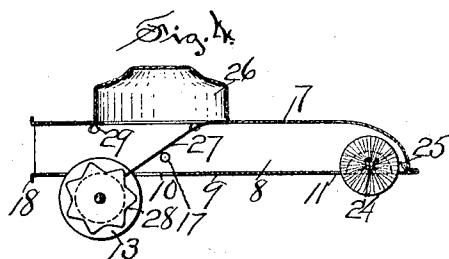
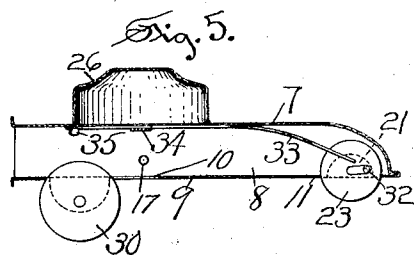
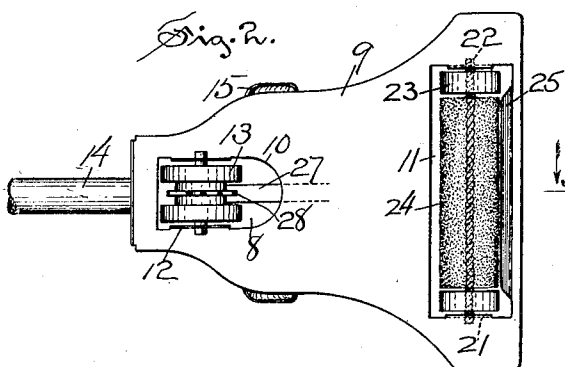
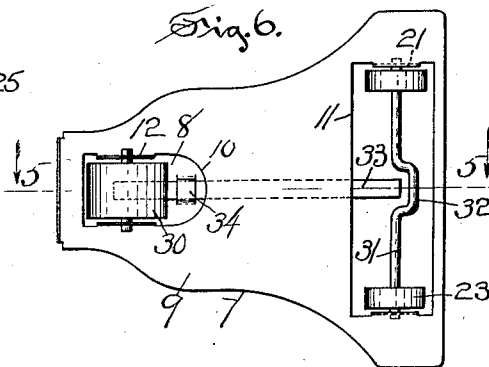
Oct. 31, 1933.

H. D. ALLEN

1,933,501

TOY VACUUM CLEANER

Filed Nov. 1, 1932



INVENTOR
Harold D. Allen,
by
Arthur B. Jenkins
ATTORNEY

UNITED STATES PATENT OFFICE

1,933,501

TOY VACUUM CLEANER

Harold D. Allen, East Hampton, Conn., assignor
to The Gong Bell Manufacturing Company,
East Hampton, Conn., a corporation of Con-
necticut

Application November 1, 1932. Serial No. 640,590

4 Claims. (Cl. 46—47)

My invention relates to the class of devices made for the amusement of children and particularly to a toy constructed in imitation of a sweeper of the pneumatic type, and an object of my invention, among others, is the production of a toy of this type that shall resemble in appearance and in operation leading features of a pneumatic sweeper employed for regular cleaning purposes.

Forms of toy sweepers embodying my invention and in the construction and use of which the objects herein set out, as well as others, may be attained is illustrated in the accompanying drawing, in which—

Figure 1 is a side view of my improved toy sweeper.

Figure 2 is a bottom view of the same with the imitation dust collector removed.

Figure 3 is a top view of the same.

Figure 4 is a view in section on a plane denoted by the dotted line 4—4 of Fig. 3.

Figure 5 is a view in section on a plane denoted by the dotted line 5—5 of Fig. 6.

Figure 6 is a bottom view of my improved toy sweeper embodying a little different form of construction.

The toy sweeper embodying my invention and illustrated and described herein includes a base 7 formed in the shape of a hood and in close imitation of a sweeper of regular and operative size, such base having a chamber 8 comprising practically the whole interior of the base, said chamber being closed by a bottom plate 9 having openings 10 and 11 near its front and rear ends respectively. Ears 12 are formed from metal bent from the opening 10, said ears comprising bearings for the shaft of a supporting roll or rolls 13 located within said opening. A handle 14 is secured to the base as by means of a fork 15 having ears 16 which are pivotally attached to studs 17 projecting from opposite sides of the base.

The base tapers rearwardly from a wider dimension at its front end to a narrower dimension at its rear end, the chamber 8 opening out at the end of this narrow part, lips projecting outwardly from said opening affording means for attachment of an imitation of a dust collecting bag 19 which is secured at its lower end in any suitable manner about said lips and which is removably attached at its upper end by means of a loop passed over a hook 20 secured to the handle 14, and as shown in Fig. 1.

Ears 21 formed from material bent from the opening 11, at the ends thereof, comprise bearings for a shaft 22 of brush rollers 23. This

shaft is preferably the core formed from twisted wire of a brush 24, said rollers being secured to said core and serving as a means for removably supporting the base at its front end.

A lip 25 is inturned from the front edge of the opening 11 forming a trough, the edge of the lip engaging the brush 24, or being located in close proximity thereto so that material collected by the brush may be deposited in said trough.

An imitation motor casing in the form of a dome 26 is secured to the top of the base preferably between the branches of the fork 15, and a slot is cut through the top of the base said slot being closed by the imitation motor. The purpose of this slot is to provide for a clicker which is bent inwardly, as shown in Fig. 4 of the drawing, the outer end of this clicker being located in the path of movement of points on a clicker wheel 28 secured to the shaft of the roller 13, and as shown in Figs. 2 and 4 of the drawing.

The imitation motor casing or dome 26 is secured to the top of the base as by means of clips 29 projecting from the bottom edge of said casing through incisions made in the top of the base, said clips being overturned within the chamber 8 in the base to hold the imitation casing securely in place, and as shown in Figure 4.

The construction just described provides a toy resembling for all intents and purposes, so far as a childish mind is concerned, a pneumatic sweeper of regular and full size and its operation will not only closely imitate the operation of a regular sweeper but it will to a minimum degree collect dust and dirt in its operation. In this operation the clicker will provide a noise conveying to a childish mind the noise made by the motor of a pneumatic sweeper.

In that form of the device shown in Figs. 5 and 6 the structure of the base and other parts is the same as hereinabove described. In this structure, however, the roller 30 is devoid of the clicker wheel shown in the other views and the brush is omitted from the shaft for the rollers 23. The shaft 31 in this form of the device is mounted as in the other structure but it is provided with a crank 32 which, in its rotation, contacts with the end of a clicker 33 held by a support 34 punched from the top of the base underneath the imitation motor casing 26, the end of this clicker being engaged by a clip 35 comprising one of the clips hereinbefore described for securing the imitation motor casing in place, the clip in this instance serving a dou-

ble purpose for holding said casing and securing said clicker.

In accordance with the provisions of the patent statutes I have described the principles of operation of my invention, together with the device which I now consider to represent the best embodiment thereof; but I desire to have it understood that the device shown is only illustrative, and that the invention may be carried out by other means and applied to uses other than those above set out.

I claim:

1. A toy pneumatic sweeper including a portably mounted base, a handle pivotally attached to the base, an imitation dust collecting bag attached at its lower end to the base and at its upper end to said handle, a sounding device located within the base, a formation on the base to simulate an element common to a sweeper of regular and operative size, and means actuated by movement of the base for operating said sounding device.

2. A toy pneumatic sweeper including a base, a roller for supporting said base, a handle attached to the base, an imitation motor casing mounted on the base and operating as a sound box, said formation being made to simulate a formation common to a sweeper of regular and

operative size, a clicker projecting within the base, and a clicker operating member actuated by said roller to sound said clicker.

3. A toy pneumatic sweeper including a base, a roller for supporting said base, a handle attached to the base, an imitation dust collecting bag attached at its lower end to the base and at its upper end to said handle, an imitation motor casing surmounting the base and operating as a sound box, said formation being made to simulate a formation common to a sweeper of regular and operative size, a clicker located within the base, and a clicker operating member actuated by said roller to sound said clicker.

4. A toy pneumatic sweeper including a base having a chamber therein, a base supporting roller projecting within the chamber, a handle attached to the base, an imitation dust collecting bag attached at its lower end to said base and at its upper end to said handle, a clicker comprising a strip bent from an opening formed in a wall of said chamber and projecting into said chamber, a dome operating as a sound box and closing said opening and a clicker operating member operatively connected to said roller for operation thereby to sound said clicker.

HAROLD D. ALLEN.

30

105

35

110

40

115

45

120

50

125

55

130

60

135

65

140

70

145

75

150