

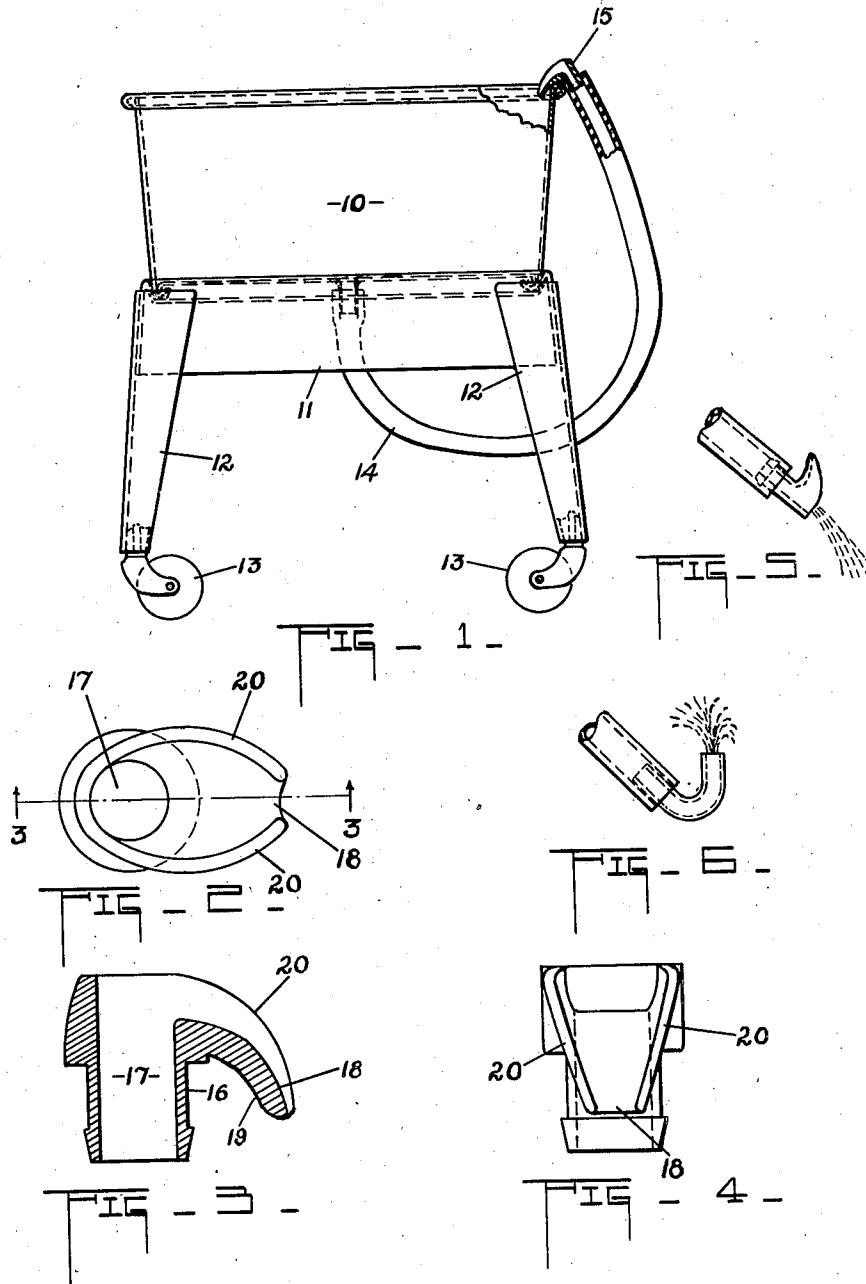
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DRAIN HOSE NOZZLE

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DRAIN HOSE NOZZLE

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3 Claims. (Cl. 221-25)

This invention has reference to the art of making drain hose nozzles, and has for its object to provide a nozzle for a drain hose used on rinse tubs, washing machines and the like, which nozzle combines the features of a hook whereby to support the free end of the hose upon the upper edge of a tub, a drain to conduct regurgitated water into the tub and a practicable nozzle for discharging water from the tub into a pail, or the like, in a clean, even stream.

The advantages and novelty of the invention will become apparent during perusal of the following description and accompanying drawing in which:

Fig. 1 is a side elevational view of a rinse tub assembly embodying my invention;

Fig. 2 is a plan view showing the nozzle comprising the invention;

Fig. 3 is a sectional view of the same taken on line 3-3 in Fig. 2;

Fig. 4 is a front elevational view of the same; and

Fig. 5 is a detail view showing the nozzle in one of its operative positions;

Fig. 6 is a detail view showing a form of nozzle to be referred to.

My invention is usually applied to drain hoses such as is shown in Fig. 1, wherein 10 represents a rinse tub supported upon a frame structure 11 which includes support legs 12 on casters 13.

Attached to the bottom of the tub is a hose 14 of sufficient length to reach to the top of the tub, and my nozzle 15 is attached to the end thereof, as shown.

The nozzle comprises a unitary piece which has a conventional attachment neck portion 16, a duct 17, and a spout portion 18, which latter is so formed as to provide a hook portion 19 extending from the neck 16.

The spout has upwardly extending side portions 20 which form an open trough upon the upper side of hook 19, and the back wall of duct 17 extends upwardly flush with the side portions, as shown in Fig. 3.

The area surrounded by the side portions 19 and back wall of the duct thus becomes a small reservoir adapted to receive a certain amount of water, which obviously may drain away through the spout 18.

Drain hoses similar to that shown in Fig. 1 are well known in connection with rinse tubs and the idea of fastening the free end of such

hoses above the water level in the tub is conventional. However, in practical use, in rinsing or washing garments in tubs, slight pressures are set up in the tub over the drain opening due to handling of the garments, and this results in small amounts of water being forced out of the upper end of the hose. The water splashes about and is inconvenient and untidy.

Various means have been used to avoid the inconvenience, such as inserting a plug in the end of the hose or attaching a tube which is bent to form a hook. With the latter device the water is obviously not spilled upon the floor, but is projected directly into the tub. The tube device, however, is quite inconvenient when it is desired to empty the tub, for the reason that the water cannot be conveniently directed into a pail, or the like, without considerable spillage. The effect is shown in Fig. 6.

With my nozzle hooked on the tub, as shown in Fig. 1, any water rising in the hose enters the reservoir at the top of the duct and drains into the tub without spillage. On the other hand, when it is desired to empty the tub the duct, being open at the top, discharges the water in a clean direct stream, as shown in Fig. 5. The superior utility of the device will be apparent.

What I claim is:

1. A drain hose nozzle comprising a neck portion to be attached to a hose, a hook portion extending from the neck, a trough formed upon the upper side of the hook, a duct in said neck, and side walls surrounding the outer rim of the duct merging into the walls of said trough.

2. A drain hose nozzle comprising a neck portion to be attached to a hose, a hook portion extending from the neck, side walls extending upwardly from the edges of the hook to form a trough, a duct in said neck, the side walls of said trough extending upon both sides of said hook and around the outer rim of the duct whereby to form a trough communicating with said duct adapted to discharge water over said hook.

3. A drain hose nozzle combining a hook, an open trough and a duct, said nozzle being attached to a hose with said duct aligning with the duct of the hose, side walls extending around the upper rim of the duct and connecting with the side walls of the trough so that water passing upwardly in said duct is retained within said walls and conducted away through said trough.

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