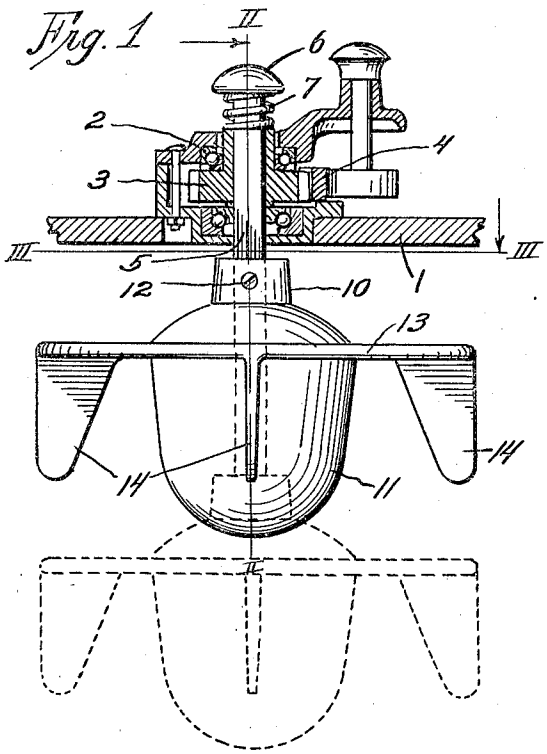
Nov. 2, 1926. 1,605,293

F. SEARCY

WASHING MACHINE DOLLY

Filed June 25, 1923

Fig. 1



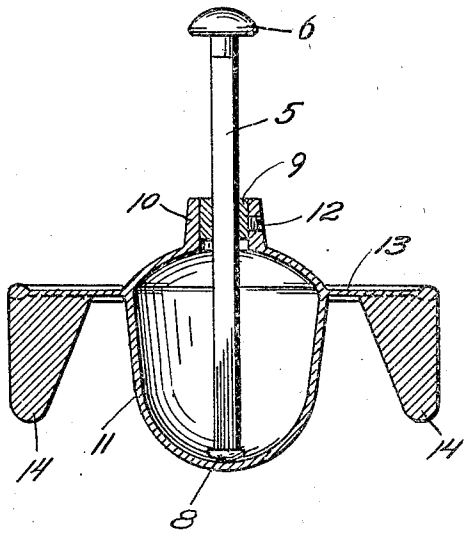
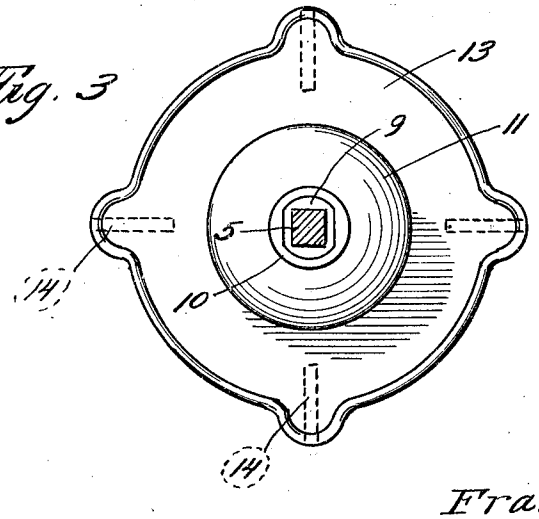


Fig. 2

Fig. 3



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UNITED STATES PATENT OFFICE.

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WASHING-MACHINE DOLLY.

Application filed June 25, 1923. Serial No. 647,579.

This invention relates to washing machine dollies and has for its object to produce a device of this character having the dual capacity of swashing the "wash" effectively without permitting it to bunch or knot between the pegs, and also of floating so that it shall engage the surface portion of the "wash" and thus insure the more complete and thorough permeation thereof by the suds, than if it buried itself in the mass of the "wash" as common with the standard type of dolly.

Another object is to produce a device of the character mentioned which is of strong, durable, efficient and inexpensive construction, and in order that it may be fully understood, reference is to be had to the accompanying drawing, in which:—

Figure 1 is a central vertical section taken through the top of a washing machine and illustrates the dolly of the invention in side elevation;

Figure 2 is a section taken on the line II—II of Figure 1 with the washing machine omitted; and

Figure 3 is a section taken on the line III—III of Figure 1.

In the drawing, where like reference characters identify corresponding parts in all of the figures, 1 represents the lid of a washing machine of any common or well-known type and 2 any suitable roller bearing means supported by the lid of the washing machine and providing a journal for a gear wheel 3 enmeshed with a rack bar 4. The rack bar 4 is reciprocated by any suitable power (not shown), and will cause the oscillation of the gear wheel 3 as common in the art.

The gear wheel 3 is formed with an angular bore for slidable engagement with a stem 5 of corresponding cross sectional contour, said stem being formed at its upper end with a detachable head 6 to act as an abutment for a cushioning spring 7 interposed between said head and the hub of the gear wheel 3. It will be apparent that the stem may be readily removed from position by removing the head 6 and sliding said stem downwardly through the bore of the gear wheel.

The stem 5 depends into the washing machine and at its lower end is formed with a head 8 to prevent disengagement of a float hereinafter described. Slidingly mounted on the stem 5 is a bushing 9 non-rotatively secured in a neck 10 of a hollow float 11 by means of a set-screw 12.

The float 11 is adapted to slide up and down on the stem 5 and be oscillated thereby, the position of the float on the stem depending upon the amount of water in the washer. Said float is limited as to its upward travel through contact of the head 8 with the bottom of the hollow chamber, and as to its downward movement through contact of its bushing 9 with said head 8 (see the dotted line position, Figure 1).

The float, as illustrated, is formed integrally with a circular flange 13 which will preferably be spaced a slight distance above the normal water level when the float is in operative position in the washing machine. Said flange at equi-distant points is provided with depending pegs 14 for engagement with the "wash" for the swashing thereof, as will be readily understood, it being noted that the lower ends of the pegs terminate some distance above the plane of the bottom of the float.

In this connection it is desirable to emphasize the relation borne by the float with respect to the pegs. A great deal of difficulty has been heretofore encountered with the common and ordinary type of dolly, due to the fact that the "wash" will ride upwardly and will become bunched and knotted between the pegs and will prevent the proper penetration of such clothes with the suds.

It has been found that by employing a dolly constructed in accordance with the invention, the protruding end of the float will press downwardly on the center of the "wash" with just sufficient force to maintain the center slightly depressed, but still permits the "wash" to come into contact with the pegs for efficient swashing action thereby. The device will guard against such a compacting of the clothes in the washer as would lead to the retarding or hindering of the flow of suds through the clothes, as the interposition of the float with respect to the pegs, enables the latter to spread the "wash" more widely and uniformly outward in the washer.

It will be evident in this connection that the float is preferably of metal construction, and that the flange and pegs may be integrally cast therewith, but if found desirable,

the float might be adapted for use with the common and well-known type of wood dolly.

From the above description it will be apparent that I have produced a washing machine dolly which possesses all of the features of advantage set out as desirable, and while I have described and claimed the preferred embodiment of the same, it is to be understood that I reserve the right to make all changes properly falling within the spirit and scope of the appended claims.

I claim:

1. A dolly comprising a float, a horizontal flange projecting therefrom, and a series of spaced pegs depending from said flange and terminating above the plane of the bottom of said float.

2. A dolly comprising a relatively large hollow float, and a series of spaced pegs associated and operable with said float for insuring the agitation of the clothes; said pegs having their lower ends terminating some distance above the bottom of the float.

3. A floatable dolly comprising a series of liquid and clothes impellers and an enlarged portion extending to a plane below that of the impellers.

4. A floatable dolly comprising a series of liquid and clothes impellers, and an enlarged central portion extending to a plane below that of the impellers and adapted for sliding movement on a stem.

5. A floatable dolly comprising a series of liquid and clothes impellers and a hollow float member adapted to internally slidingly receive a drive stem.

6. The combination with a drive stem, of a floatable dolly formed with a central enlarged hollow portion and slidingly receiving said drive stem, and a series of liquid and clothes impellers arranged in a plane above that of the hollow portion.

In witness whereof I hereunto affix my signature.

FRANK SEARCY.