June 10, 1930. H. HIRSCH 1,762,475

PORTABLE LAUNDRY RECEPTACLE

Filed Nov. 27, 1928

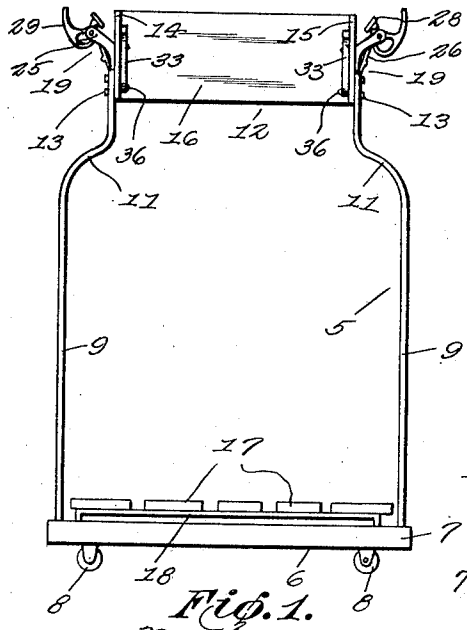


Fig. 1.

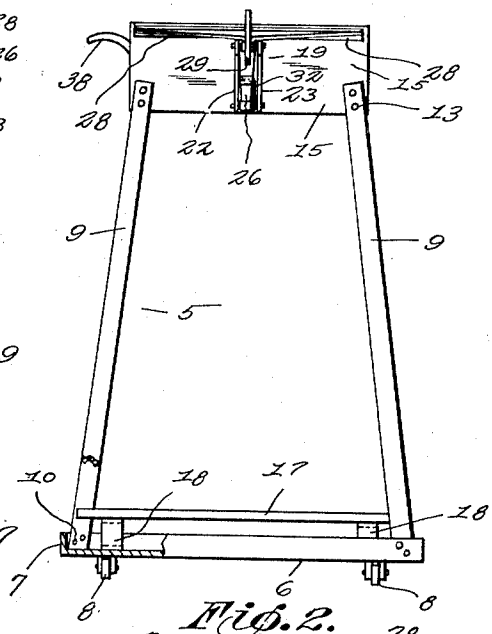


Fig. 2.

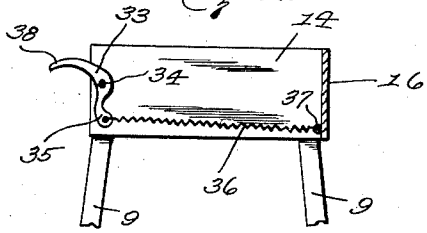


Fig. 3.

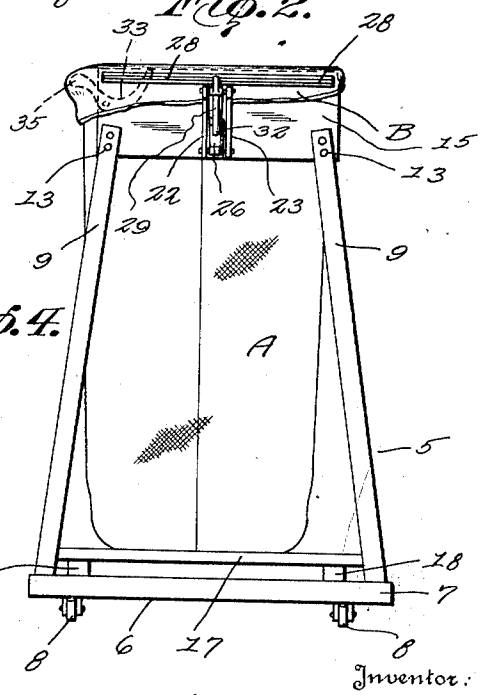


Fig. 4.

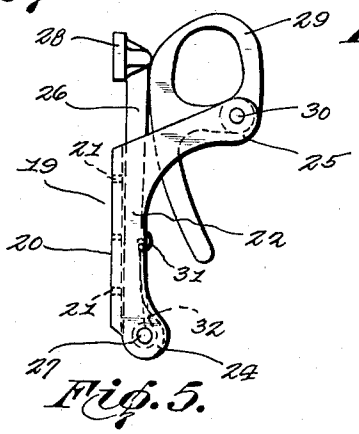


Fig. 5.

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UNITED STATES PATENT OFFICE

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PORTABLE LAUNDRY RECEPTACLE

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The subject matter of the present invention relates generally to the art of laundry, and the improvements are directed to a novel form of receptacle wherein pieces of goods, in a substantially "wet-wash" condition may be deposited and then transported as desired.

As will presently appear the invention contemplates the production of a wheeled support, or carrier member, adapted to receive a laundry bag, or the like, and to maintain the latter in an opened and pendent position preparatory and during the accumulation of laundered pieces of goods therein.

Another feature of the invention resides in the provision of a frame member, associated with said carrier member, and presenting vertical sides, with an opened front, wherein a bag or receptacle may be inserted and depended therefrom by folding the upper portion of said bag exteriorly of the upper marginal edge of said frame member.

Another object resides in the provision of a carrier member having a tray-like base, positioned below, and spaced from a slatted platform, the latter supporting the bottom of the bag or receptacle and permitting the escape of any moisture or water from the clothes in the bag to the tray-like base.

Still another object of the invention is to provide clamping means for positively attaching the downturned portions of the bag to the frame member of the wheeled support.

Still another object resides in the provision of a novel clamping member embodying a cam element cooperating with a pivoted spring-pressed member to permit the attachment of a bag to the frame member, as aforesaid, and to permit the convenient removal of said bag as desired.

A still further object of the invention is to provide stretching means, said means being supported by said frame member and adapted to operate on that portion of the bag, adjacent the opened portion of said frame member, to maintain the said bag in an opened condition during the depositing of the goods therein.

With these objects in view, together with others which will appear as the description proceeds, the invention resides in the novel formation, combination, and arrangement of parts, all as will be described more fully hereinafter, illustrated in the drawings, and particularly pointed out in the claims.

In said drawings:

Figure 1 is an elevation of my improved device, showing the clamping means in position prior to the association of a laundry bag with said device.

Fig. 2 is another elevation, taken at right angles to Fig. 1, one of the standards being broken off and a portion of the tray-like base shown in section to illustrate the formation thereof.

Fig. 3 is a central, vertical longitudinal section of the frame member to illustrate the pivoted stretching member and the elongated spring associated therewith.

Fig. 4 is a view like unto Fig. 2, but depicting the bag associated with the device, the clamping members now being in operation and also the stretching means to maintain the mouth of the bag in opened condition; and

Fig. 5 is an elevation of the clamping member removed from the device and showing the parts in clamping operative position.

Referring now more in particular to the accompanying drawings, wherein like characters of reference denote similar parts throughout the several views, let 5 represent generally my improved and novel device, which comprises essentially a base 6, having upturned marginal flanges 7, to define a tray-like member as shown in Fig. 2, the bottom of said base being preferably provided with castor elements 8 to facilitate the transporting of the device from place to place as desired. Rising upwardly from said base 6, are a plurality of standards 9, the lower end of each being suitably attached to the flange 7 of said base 6, as indicated at 10, (Fig. 2), while their upper portions are deflected inwardly, as shown at 11, to present upstanding ends adapted for attachment to a frame member 12, as indicated at 13. Upon inspection of the drawings it will be observed that said frame member 12, comprises side members 14 and 15, and also a rear member 16, the front portion being left open, as clearly

shown in Figs. 1 and 3. In attaching a bag, or receptacle, to the structure thus far disclosed, the latter is held in a pendent position, the upper portion being passed through the open front of the frame member, interiorly thereof, and the marginal portion, adjacent the mouth of the bag turned downwardly to rest against the upper exterior portions of the said frame member. The bottom of the bag also rests on the platform 17 which is spaced above the bottom of said base 6 by means of the supports 18, (see Fig. 2). It will be observed that said platform comprises a plurality of slats, which are spaced apart to permit the escape of any water in the clothes from the bag to the tray-like member or base 6.

While the downturning of the upper portion of the bag on the exterior upper portions of said frame member 12 tends to arrange said bag in a position to receive pieces of laundry from the wet wash, it is desirable to provide means whereby the downturned portions of said bag may be clamped to said frame member, and this means includes a clamping member 19, each of said side members 14 and 15 being provided with a clamp, as shown in Fig. 1.

Each of said clamping means 19 comprises a body portion 20, which is suitably apertured, as indicated at 21, to facilitate its attachment to the sides of said frame member. Said body portion 20 is formed with spaced-apart side walls 22 and 23, the lower portion of each terminating with apertured ears 24, while the upper portion is extended outwardly and upwardly and terminates also with apertured ears 25. It will thus be seen that said body portion 20, with its side walls 22 and 23, presents a channel-like member for the housing and operation of an oscillatory clamping element 26, which has its lower end pivoted between the ears 24, as indicated at 27, while the upper portion thereof is provided with a somewhat elongated head 28 extending laterally from both sides thereof, as shown in Figs. 2 and 4. It will also be noted that a cam member 29 is pivoted between said ears 25, as shown at 30 and that the cam surface engages the rear of said element 26 to maintain the same in operative or clamping position as shown in Figs. 4 and 5. The intermediate rear portion of said clamping element 26 is provided with a apertured boss 31 from which a spring member 32 depends and encircles the pivotal connection 27, and obviously as the handle of said cam member 29 is moved outwardly and upwardly from the position shown in Fig. 5, the said spring 32 urges said clamping element 26 rearwardly and to the inoperative position shown in Figs. 1 and 2.

After the bag A is positioned in the device with its downturned portion B arranged as previously described, and positioned substantially as shown in Fig. 4, the handles of each of the cam members 29 are pressed downwardly from the positions shown in Fig. 1, whereupon the oscillatory clamping elements 26 are pressed inwardly and firmly abut and finally clamp the exterior downturned portions B against the outer walls of said sides 14 and 15, the clamping members 19, now assuming the position shown in Fig. 5. Obviously, this firm attachment precludes the slipping of the downturned portions of the bag as the latter is filled with the pieces of laundry. When it is desired to remove the bag, said clamping members 19 are operated as pointed out hereinbefore, and as they assume the positions shown in Fig. 1, no interference is experienced in the withdrawal of the bag from the device and the frame member.

Attention is now directed to my novel means for stretching the mouth of the bag in order that the same may be positively maintained in an opened position during the depositing of the wet goods therein. Said means comprises a pivoted lever 33, two levers being provided, each of the same being pivotally borne by the side walls 14 and 15, as shown at 34. The lower ends of each of said levers 33 is formed with a nose portion 35, which is apertured to receive a contractile spring 36, having its inner end secured to the rear wall 16 of said frame member 12. It is proposed to oscillate these levers 33 by moving the handles 38 upwardly and toward the rear of the frame member and thus to cause the nose portions 35 to travel rearwardly, contact the upper portion of the bag, adjacent the open front of the frame member 12, and stretch the same to the position indicated in Fig. 4.

Considering now the original attachment of the bag to the frame member 12, it will be remembered that the upper portion of the former was positioned within the frame member 12, and when the upper marginal portion of said bag was downturned over the tops of the walls comprising said frame member 12, this positioning placed each of the levers 33 between the inner faces of the side walls 14 and 15, and the upper portion of the bag. In other words, said levers are now covered by the bag. In view of the extension of the handles 38 of said levers their location is not lost by this covering by the bag and it is only necessary to grasp the hidden handles and move the same as pointed out hereinbefore. Upon inspection of Fig. 4 with special reference to the dotted showing of the levers, their operation and so-called stretching position, should be clearly understood.

After the bag has been filled said levers are returned to the position shown in Fig. 3, the clamping means 19 operated as pointed out above, and the filled bag may be removed as desired.

While the present is a disclosure of the preferred embodiment of the invention, it is to be understood that the same is not limited thereto, as various changes in the minor details of construction, proportion and arrangement of parts may be resorted to without departing from the spirit of the invention as defined in the appended claims.

I claim:

1. Stretching means of the class described and adapted to be pivotally borne by the frame member of a carrier, said means including pivoted levers having a nose portion and a spring connecting said nose portion to a wall of said frame member, said levers being operable to stretch the mouth of a bag placed in said frame member.

2. Stretching means of the class described, comprising pivoted levers carried by side walls of a frame member and springs connecting said levers to said frame member, said levers each having a nose portion adapted to engage the downturned portion of a bag associated with said frame member.

3. The combination with a frame member, adapted to receive the downturned portion of a bag, of means for stretching the mouth of a bag, said means including pivoted levers carried by the side walls of said frame member, and springs coupling said levers to a wall of said frame member, each of said levers presenting a nose portion adapted to be oscillated to stretch the mouth of said bag.

4. The combination with a frame member of a carrier, of stretching means pivotally borne by the frame member and including levers operable to stretch the mouth of a bag placed in said frame member.

5. A carrier for a laundry bag comprising a base, a frame member positioned above said base and presenting an open front to facilitate the attachment of a bag thereto, standards connecting said base and frame member and levers pivotally borne by said frame member adjacent the open front thereof and adapted to stretch the mouth of a bag placed in said frame member.

In testimony whereof I affix my signature.

HENRY HIRSCH.