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AUTOMATIC CLOTHES WEIGHING HAMPER

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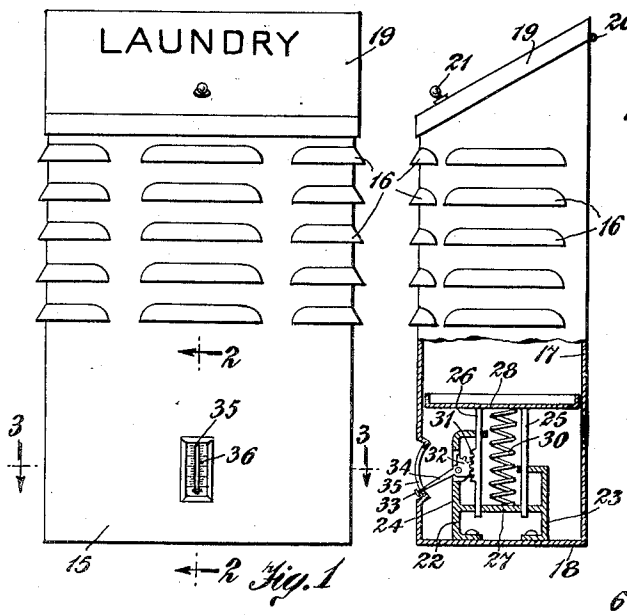


Fig. 1

Fig. 2

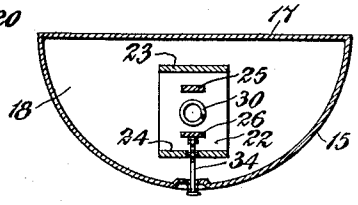


Fig. 3

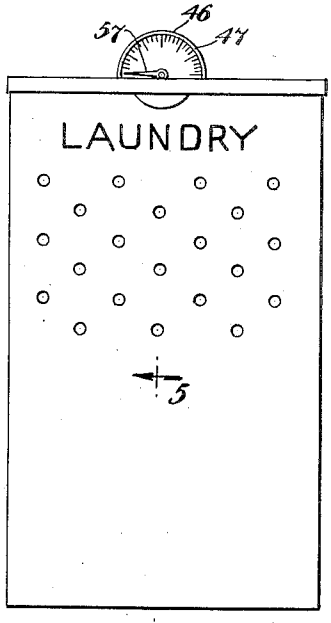


Fig. 4

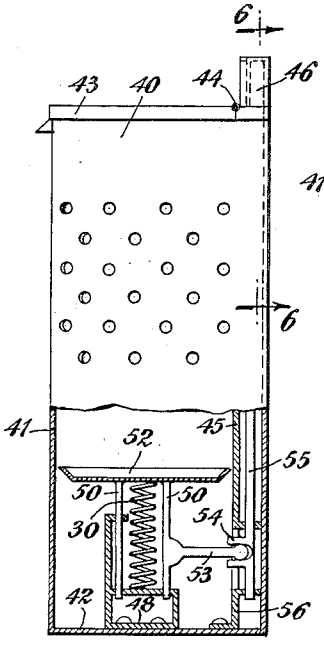


Fig. 5

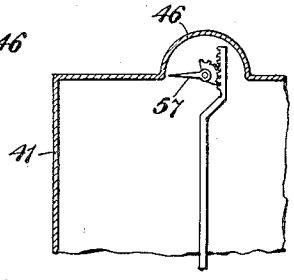


Fig. 6

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AUTOMATIC CLOTHES WEIGHING HAMPER

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3 Claims. (Cl. 265—27)

This invention relates to clothes hampers, such as are used to temporarily retain the soiled articles of a family wash until removed to a laundry.

It is important that the exact combined weight of such articles be known, prior to their removal, as the laundry charges are ordinarily based on such weight, a definite knowledge of which checks the laundry costs and insures that substantially the same weight be returned.

Having this matter in mind, it is an object of the invention to provide a clothes hamper combined with a weighing scale, so arranged as to show the weight of the articles entered into the hamper, a shortage being thus unerringly detected.

A further feature is in the provision of a covered hamper arranged for ventilation, and having an enclosed platform to receive the entered articles, the cumulative weight of which is indicated on a scale.

Another purpose is to produce a hamper of neat and ornamental appearance, capable of long continued service and which, together with its weight indicating means, can be inexpensively manufactured.

These advantageous objects are accomplished by the novel construction and combination of parts hereinafter described and illustrated in the accompanying drawing, constituting an essential component of this disclosure, and in which:

Figure 1 is a front elevational view of an embodiment of the invention.

Figure 2 is a partial side elevational, partial sectional view, the section being taken on line 2—2 of Figure 1.

Figure 3 is a transverse sectional view taken on line 3—3 of Figure 1.

Figure 4 is a front elevational view of a modified form of the hamper.

Figure 5 is a partial side elevational, partial sectional view, the section being taken on line 5—5 of Figure 4.

Figure 6 is a partial longitudinal sectional view taken on line 6—6 of Figure 5.

Referring in greater detail to the drawing, Figures 1, 2 and 3 show a hamper having an arcuately curved front wall 15, provided with ventilating louvres 16, a straight rear wall 17, a level flooring 18 and an inclined cover 19 connected by hinges 20 to the rear wall, the cover overhanging the edges of the hamper and being provided with a knob 21.

Secured on the upper surface of the flooring is a support bracket 22 having a raised rear upright column 23 and a higher front column 24, both columns being provided with opposed, inreaching ledges at their upper ends.

A pair of spaced parallel bars 25—26 are slidably guided in openings in the ledges and other alined openings in a plate 27 in the lower part of the bracket, above the flooring 18.

Carried on the upper ends of the bars 25—26 is a pan or platform 28 preferably having a raised marginal edge, the pan conforming in outline to the interior of the hamper and movable freely therein.

The pan is supported by a calibrated helical spring 30 seated on the plate 27 between the bars 25—26.

The front bar 26 is provided with a rack 31, intermediate its length on its front side, this rack engaging the teeth of a segment 32 pivoted at 33 to the bracket and provided with a pointer 34 which extends outward through an opening 35 in the front wall of the hamper and moves as an index over the face of a scale 36.

This scale is graduated to read in terms of weight, as pounds and ounces, and the spring 30 is accurately adjusted so that the weight of any articles entered into the hamper and resting on the pan will be correctly indicated. In the modified form of the invention, illustrated in Figures 4, 5 and 6, the hamper is shown as being rectangular, its end walls 40 and front wall 41 having ventilating perforations.

A rigid flooring 42 is fixed at the bottom and a level lid 43, hinged at 44, covers the upper end.

An upright partition 45 is spaced adjacent the rear wall of the hamper, the central portion of the partition extending upwardly to form the face of a dial housing 46, shaped in any preferred manner, and the dial 47 which is graduated to read in terms of weight.

A bracket 48, fixed on the flooring 42, serves as a guide for bars 50—51 slidably mounted therein and attached at their upper ends to a pan 52 designed to move freely within the hamper, and supported by a calibrated spring 30 as before described.

A horizontal arm 53 extends rearwardly from the bar 50 to engage the forks 54 of a vertical rod 55 slidable between the partition 45 and rear wall of the hamper, this rod being guided by a bracket 56 at its lower end and at its upper end in the housing 46.

The rod 55 is suitably connected to an index pointer 57 movable over the dial 47 on the housing in a manner which will be readily inteligible.

It is to be understood that the specific features

of a spring supported platform or other details of scale constructions are relatively unimportant and may vary from that shown in many respects without departing from the scope and spirit of the invention in its broadest aspect, which is the combination of a weighing device with a receptacle of the type described.

Having thus described the invention what is claimed as new and sought to secure by Letters Patent, is:—

1. A clothes weighing hamper comprising an upright ventilated casing open at its upper end and adapted to receive articles directly therein, a weighing mechanism fixed in its lower end, said mechanism including a pan of slightly less area than the cross sectional area of said casing on which the entered articles directly rest, and a visible scale fixed on said casing having a pointer actuated by said mechanism.

2. A clothes weighing hamper comprising an upright rectangular casing having a bottom wall, a cover hinged to fold thereover, a pan movable vertically in said casing, said pan having a raised marginal flange and adapted to receive clothes directly therein, a spring resting on said bottom wall and supporting said pan, a weight indicating scale combined with said casing, and a pointer actuated by the movement of said pan to travel over said scale.

3. A clothes weighing hamper comprising a receptacle provided with ventilating means, a hinged cover and a fixed bottom, a bracket raised from said bottom, bars slidably guided in the bracket, a pan mounted on the upper ends of said bars, the edges of said pan being raised and slidable closely adjacent the walls of said receptacle said pan directly receiving articles as entered into the hamper, a calibrated spring on said bracket to support said pan, a graduated scale on said receptacle reading in terms of weight, and a pivoted pointer movable over said scale, said pointer being actuated by movement of said pan.

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