July 27, 1943. W. H. COLLINS 2,325,478

LAUNDRY DRIER

Filed July 24, 1941

Fig. 1.

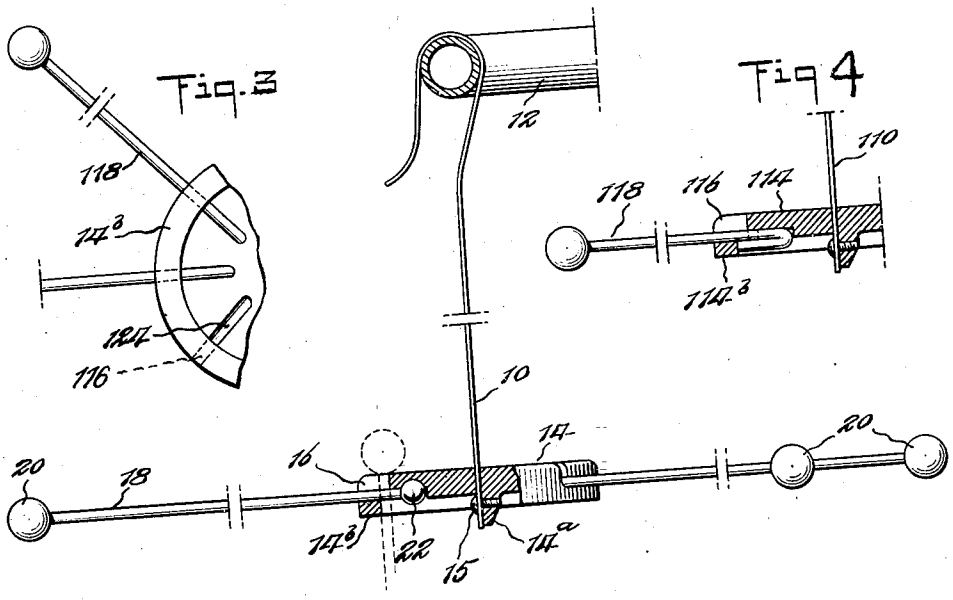
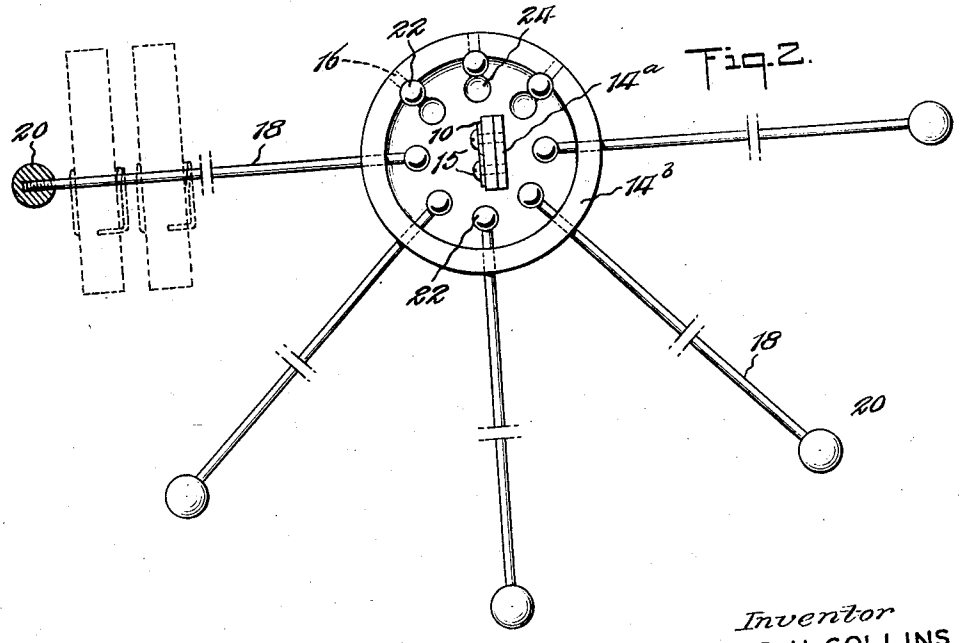


Fig. 3

Fig. 4

Fig. 2.



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LAUNDRY DRIER

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3 Claims. (Cl. 211—113)

This invention relates to laundry driers. More particularly it relates to portable laundry driers, such as may conveniently be used in the bathroom of a small home or apartment, for drying small articles of laundry.

It is an object of my invention to provide a small, inexpensively-constructed laundry drier of attractive appearance which may conveniently be supported from a shower curtain rod or other convenient support in a bathroom of an apartment or home.

Another object of my invention is to provide a drier of the above type which may be collapsed for the purpose of shipment or storage, or to economize upon space when the invention is not in use.

Another object of my invention is to provide a drier of the above type which may be constructed from standard or stock materials to a large extent, and which can have its parts separately made and assembled.

Other objects and advantages of my invention will become apparent as it is described in connection with the accompanying drawing.

In the drawing—

Fig. 1 is an elevation view, partly in section, of one form of my invention.

Fig. 2 is a bottom plan view of the invention shown in Fig. 1.

Fig. 3 is a broken detail view of a modified form of the invention, looking into the bottom.

Fig. 4 is a transverse section view of the form of invention of Fig. 3.

Referring to Figs. 1 and 2 of the drawing, a hanger 10 made of a strip of spring steel or other suitable resilient strip material has its upper end bent to form a hook, with the extreme end portion flared outwardly so as to more conveniently be hooked over a shower curtain rod 12, or other suitable support. Upon the lower end of the hanger 10 is mounted a head 14, which may be made of a molded material, wood, or any other suitable material. The head 14 is preferably made in the form of a disc, but may take any suitable or convenient shape. In the center of the head, a slot is provided for the end of the hanger 10, and on the bottom surface of the disc a lug 14a extends downwardly with a flat vertical face aligned with the slot, so that when the lower end of the hanger projects through the head, it may be secured against said flat face by means of screws 15.

The head 14 is preferably made with a depending flange 14b which is pierced at spaced points with a series of apertures 16 for the reception of arms 18. The arms 18 may preferably be made of wire rods, although they may be made of other suitable material having sufficient strength to support light articles of laundry. On the inner end of the rod 18, balls 22 may conveniently be mounted by screwing the balls upon threaded ends of the rod, or by forming the rods with balls on the end. To receive the balls 22 and the end of the rod adjacent to said balls, the under surface of the head 14 adjacent the aperture 16 is recessed by semi-circular recesses 24 and semi-cylindrical channels may lead from the recesses 24 to the openings 16. By the provision of the cooperating recesses 24 and balls 22, and further by reason of the cooperation of the arm 18 with the channels leading from the recesses 24, the arms 18 will be located and maintained in a substantially horizontal position, extending radially from the head 14.

For the dual purpose of enabling the apparatus to be collapsed for shipment, and also so that the arms will not extend outwardly and be in the way when they are not in use, the apertures 16 are extended up into the top face of the head 14, permitting the arms 18 to take a vertical position. In order to prevent the arms from moving entirely through the head, and also for the purpose of decoration, balls 20 are provided on the outer ends of the arms 18. These balls will hold the arms upon the head 14 in the collapsed position of the apparatus.

Preferably the balls 20 on the outer ends of the arms are removable, so that articles, such as spring-clamp type clothes pins, may be slipped upon the arms 18 to more conveniently hold articles of laundry, or to hold such articles of laundry as may not be conveniently thrown over the arms 18.

In Figs. 3 and 4 of the drawing the hanger 110 and head 114 are similar to those shown in Figure 1, but a modified form of supporting arm is illustrated. In this form of the invention, the inner ends of the arms 118 are reversely bent, so that their end portions may abut the inner surface of the flange 114b. A portion of the arm 118 adjacent the bend is accommodated within a semi-cylindrical channel 124, extending radially to the apertures 116 in the head. Of course, the loop on the inner end of the arm 118 may assume other forms than that illustrated in Fig. 4 without departing from the spirit of my invention.

Although I have illustrated and described several preferred forms of my invention, many modifications within the scope of the invention will occur to those skilled in the art. Therefore I do

not limit the invention to the form illustrated and described.

I claim:

1. In a laundry drier, a supporting member having a hook-like end, a substantially circular head secured on the other end of said supporting member, a downwardly-extending flange on said head having apertures therein, a plurality of arms extending in substantially diametrically opposed pairs substantially horizontally from said head through said apertures for supporting laundry, a stop adjacent the inner end of each arm, means on the under side of said head cooperating with said stop to locate and maintain said arms in predetermined positions, including channels radially aligned with said apertures.

2. In a laundry drier, a supporting member having a hook-like end, a head secured on the other end of said supporting member, a downwardly-extending flange on said head having apertures therein, a plurality of arms extending substantially horizontally from said head through said apertures for supporting laundry, the inner end of each arm being reversely bent forming a stop, said stop engaging the flange on the head to limit outward movement of the arm, said apertures being extended into the top face of said head to enable said arms to depend vertically when not in use, and enlarged ends on the other ends of the arms to support the arms when depending vertically.

3. In a laundry drier, a hanger made of a flat strip of metal having a resilient hook-like upper end for gripping a rod or other support, a head secured on the lower end of said hanger, a downwardly-extending flange on said head having apertures therein, a plurality of wire-rod arms extending substantially horizontally from said head through said apertures, for supporting laundry, the inner ends of said arms being reversely bent to prevent withdrawal from said head and having portions substantially equal to said reversely bent portions and fitting in channels in said head and engaging said flange to locate and maintain said arms in predetermined positions.

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