Sept. 3, 1929. M. MIRKIN 1,726,753

BATHTUB

Filed March 26, 1928

Fig. 1

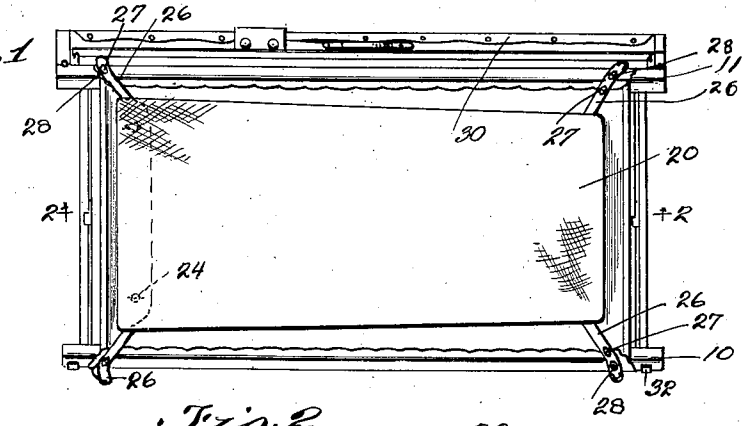


Fig. 2

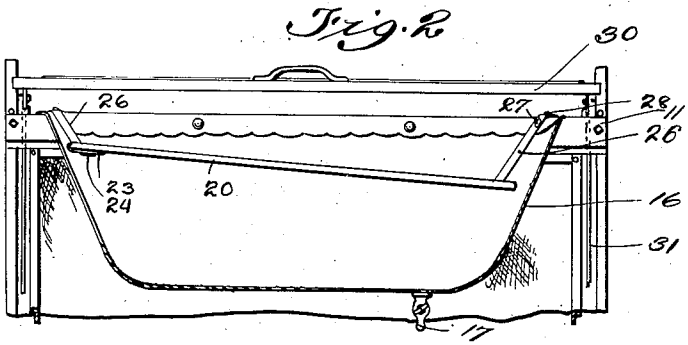


Fig. 3

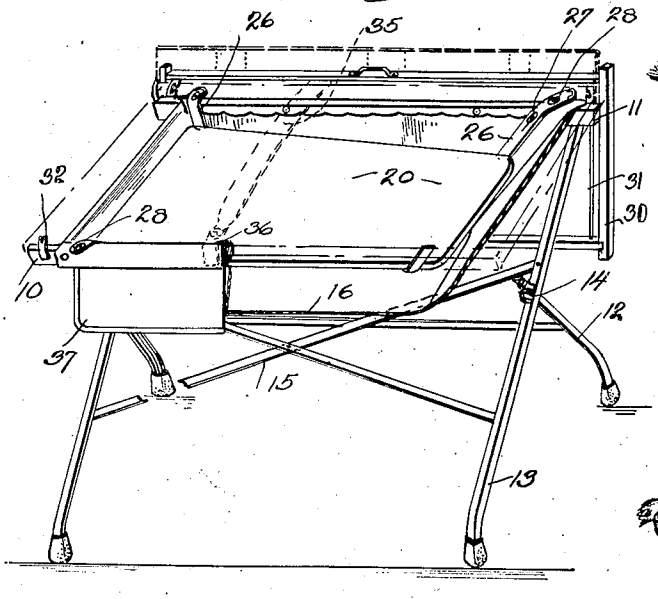
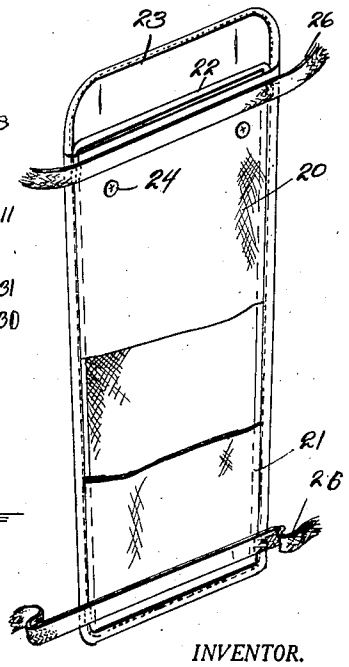


Fig. 4



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BY

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Patented Sept. 3, 1929. 1,726,753

UNITED STATES PATENT OFFICE.

MAX MIRKIN, OF NEW YORK, N. Y., ASSIGNOR TO HARRY RUDMAN, OF NEW YORK, N. Y.

BATHTUB.

Application filed March 26, 1928. Serial No. 264,835.

This invention relates to improvements in bath tubs and more particularly to portable self-contained tubs provided with an attachment rendering the tub especially adaptable for the bathing of infants.

A main object of the invention is to provide an attachment for bath tubs, by which an infant may be suitably supported during its bath in such position that no water may enter its ears and nostrils, and which eliminates the necessity of the mother or nurse supporting or holding the infant during the bath.

A further object is to provide a portable and self-contained tub having an attachment of the character above described, all of which may be inexpensively manufactured and assembled.

A further object is to provide a device of the above general character which may be readily and quickly disassembled for cleaning, thus rendering the device perfectly sanitary.

A further object of the invention is to provide a device of the above general character, in which the attachment to the tub is free from any metallic or projecting parts which might tend to injure or scratch the infant.

Other objects will be in part obvious from annexed drawing and in part hereinafter indicated in connection therewith by the following analysis of this invention.

This invention accordingly consists in the features of construction, combination of parts and in the unique relation of the members and in the relative proportioning and disposition thereof, all as more completely outlined herein.

To enable others skilled in the art to fully comprehend the underlying features thereof that they may embody the same by the numerous modifications in structure and relation contemplated by this invention, drawings depicting a preferred form of the invention have been annexed as part of this disclosure, and in such drawings, like characters of reference denote corresponding parts throughout all of the views, in which—

Fig. 1 is a top plan of a bath tub provided with an attachment in accordance with my invention;

Fig. 2 is a vertical section along lines 2—2 of Fig. 1;

Fig. 3 is a perspective of the device of Figs. 1 and 2; and

Fig. 4 is a detail, partly in section, of the attachment and more specifically referred to hereinafter as a hammock.

Referring now to the drawings, I have illustrated a portable and self-contained bath tub of the general type shown in my co-pending application, Serial No. 264,836, and comprising longitudinally extending frame members 10 and 11 to which are secured legs 12 and 13, respectively, the latter being pivotally connected and braced as at 14. Diagonally arranged braces 15 extending between the legs of each end of the tub permit collapsing of the said legs and also serve to provide a structure free from endwise movement.

A tub 16 of any suitable water holding fabric or material, such as rubberized fabric, is disposed between the longitudinal frame members 10 and 11 and fastened thereto. The material of the tub is so formed that the ends thereof are drawn taut when the legs 12 and 13 are distended in position of use, thus requiring no end braces between the said legs. The tub is further provided with a spigot 17 to permit draining of the tub as well as filling the same if desired.

Generally a bath tub of the size and shape above described is of a depth that when filled with the water necessary for bathing, an infant is submerged therein unless supported. According to my present invention, I provide as an attachment to the structure above described a hammock 20 which is disposed within the tub to support the infant thereon in proper position for bathing. The hammock preferably comprises a fabric bag or pocket having a binding 21, and into the bag a substantially self sustaining rectangular wire frame 22 is inserted to stretch out the fabric thereof to form a flat cradle or support. The bag is provided with a flap 23 which is doubled over one end of the frame 22 and secured to the body portion of the bag as by buttons 24 or the like. Thus, by detaching the flap from its securing means 24, the frame 22 may be readily removed and the fabric bag washed when desired to insure a sanitary condition.

To sustain the hammock within the tub in proper position, I provide straps 26, preferably of fabric, which are secured as by sewing to the under portion of the bag forming the hammock as indicated, the straps being provided with fastening elements 27 which engage with cooperating fastening means, such as studs 28 arranged on the longitudinal

frame members 10 and 11. The said straps at one end of the hammock are provided each with a single fastening element 27, such end being thereby maintained at a uniform elevation while the straps at the other end are each provided with two or more such fastening elements, of which the lower sustains the hammock in a slightly inclined position within the tub, while the higher or uppermost fastening elements are adapted to sustain the hammock in a more inclined relation. Thus, during bathing, the infant is laid on the hammock and by reason of the angular inclination thereof, the infant's head is at all times supported at a greater elevation than its body and feet, permitting the bathing operation with the head maintained above the water level within the tub.

When it is desired to submerge the body of the infant in the tub, the lowermost portion of the hammock may be lowered by means of the separable fastening feature 27, 28, while the head of the infant is at all times maintained in its proper position out of the water.

I also provide a dressing table 30, which, as will be understood by reference to my copending application above mentioned, comprises a substantially rectangular frame having a fabric covering secured thereto. End rods 31 are provided, which coact with the sheet metal fastening and retaining members 32 disposed on the frame members 10 and 11 by means of which the dressing table may be maintained in the substantially vertical position of non-use as shown in Figs. 2 and 3, or brought over the table in the dotted line position as shown in Fig. 3. A strap 35 extends across the table and coacts with a buckle 36 secured at the other side thereof whereby the infant may be held on the table for drying or dressing purposes. A depending curtain 37 may be secured to the front frame member 10 and is preferably provided with pockets for holding soap, bathing sponge and the like.

From the above disclosure, it will be evident that the present invention provides a portable and collapsible bath tub which is particularly advantageous in the care of infants, and having a supporting hammock, which may be arranged therein or removed as desired, upon which the infant may be laid in such a position that its head is at all times out of water, and which also supports the infant in the tub without the necessity of a mother or nurse holding the infant therein.

Without further analysis, the foregoing will so fully reveal the gist of this invention that others can by applying current knowledge readily adapt it for various applications without omitting certain features that from the standpoint of the prior art, fairly constitutes essential characteristics of the generic or specific aspects of this invention, and therefore such adaptations should and are intended to be comprehended within the meaning and range of equivalency of the following claims.

I claim:

1. In a bath tub having longitudinally extending frame members, a hammock adapted to be arranged within the tub and comprising a metal sustaining frame and a fabric extending thereover, flexible straps extending beneath said frame and secured to the fabric, fastening means on said straps, and elements on said frame members cooperating with said fastening means to sustain the hammock in the tub, the fastening means at one end of the hammock being arranged to maintain such end at a uniform elevation, the fastening means at the other end being disposed to maintain such other end at a plurality of relatively lesser elevations.

2. In combination with a tub having longitudinally extending frame members, a hammock adapted to be arranged within the tub and comprising a fabric bag and a frame member inserted therein, and means to suspend the hammock from the frame members.

3. In combination with a tub having longitudinally extending frame members, a hammock adapted to be arranged within the tub and comprising a fabric bag having a flap at one end thereof, a frame adapted to be inserted in the bag and retained therein by said flap, and means to suspend the hammock from the frame members.

4. In combination with a tub having longitudinally extending frame members, a hammock comprising a fabric bag having a flap at one end thereof, a self-sustaining frame adapted to be inserted in the bag and maintained therein by said flap, straps secured to the relatively under portion of said bag, and upon which said frame is supported, securing studs on said longitudinal frame members, and means on said straps cooperating with said stud members to suspend the hammock within the tub.

5. In combination with a tub having longitudinally extending frame members, a hammock comprising a fabric bag having a flap at one end thereof, a self-sustaining frame adapted to be inserted in the bag and maintained therein by said flap, straps disposed at the ends of the hammock and secured to the relatively under portion of said bag, and upon which said frame is supported, securing studs on said longitudinal frame members, and means on said straps cooperating with said stud members to suspend one end of the hammock at a uniform elevation, and the other end at various lesser elevations, whereby the hammock may be supported in inclined positions within the tub.

Signed at New York, New York, this 6th day of February, 1928.

MAX MIRKIN.