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E. M. CARSKADON

TUB BRACKET

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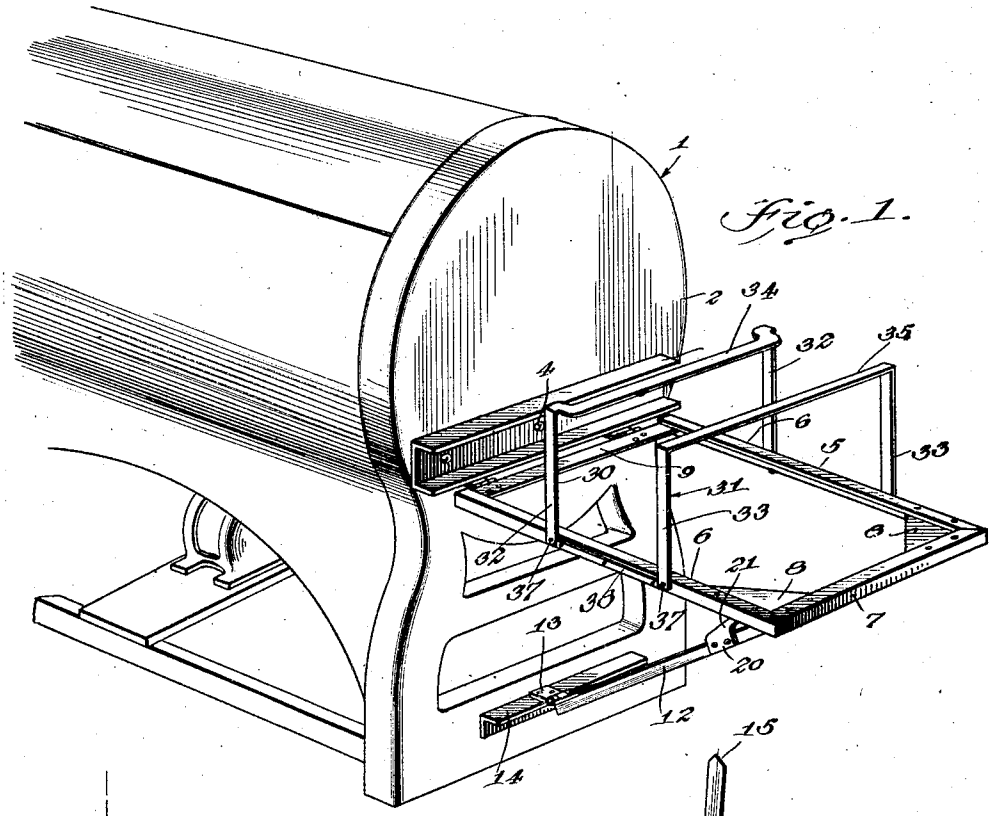



Fig. 1.

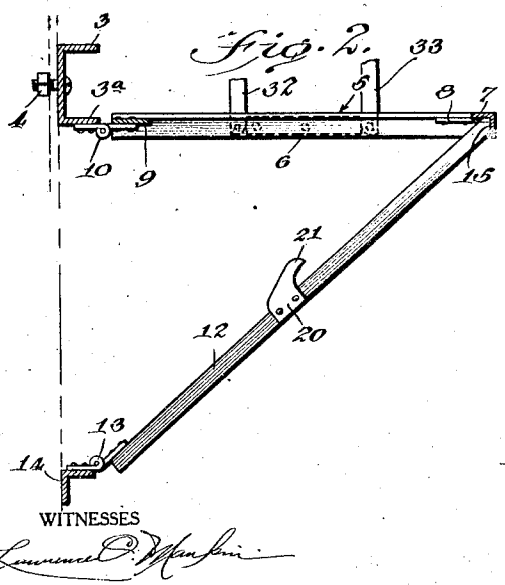



Fig. 2.

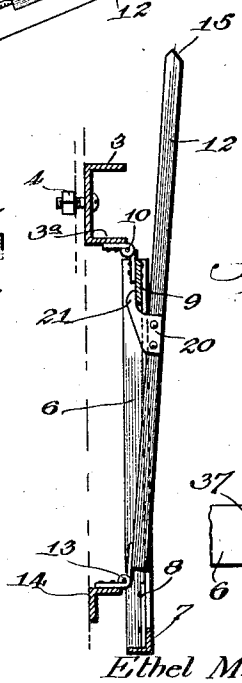



Fig. 3.

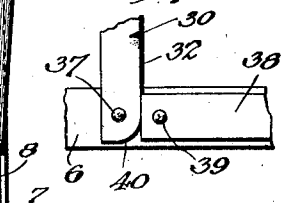



Fig. 4.

WITNESSES

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# UNITED STATES PATENT OFFICE.

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## TUB BRACKET.

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This invention relates to a tub bracket especially designed for use on washing machines, although also well adapted for other uses.

The object of the invention is to provide a tub bracket which, when extended and in use, provides a rigid and stable structure well adapted to provide a firm support for the tub, and which may be folded up out of the way and into a compact space when not in use.

Another object resides in the provision of a tub bracket which is of simple and durable construction, reliable and effective in operation, and easy and comparatively inexpensive to manufacture.

Other objects and advantages reside in certain novel features of the construction, combination and arrangement of parts which will be hereinafter more fully described and particularly pointed out in the appended claims, reference being had to the accompanying drawing forming a part of this specification, and in which:

Figure 1 is a perspective view showing the tub bracket applied to one type of washing machine,

Figure 2 is a view partly in central vertical section and partly in elevation showing how the parts of the bracket coact when the bracket is extended,

Figure 3 is a similar view showing how the parts of the bracket coact when the bracket is folded up, and

Figure 4 is a fragmentary view in elevation showing the stops employed for the bails of the starch pan bracket.

Referring to the drawings, the numeral 1 designates generally a washing machine having a frame member 2 at one end thereof. It is to be understood at this time that any type of washing machine or any suitable stationary support may be used. In carrying out the invention, a channel bar 3 is provided and has its base suitably secured as by bolts and nuts 4 to the frame member 2 or to the other suitable support utilized. A tub supporting frame 5 is provided and includes side bars 6 and an end bar 7 constructed of angle iron, the meeting ends of the bars 6 and 7 being riveted or otherwise suitably secured to triangular braces and connecting members 8. At the end of the frame opposite the angle bar 7 a cross bar 9 is provided, and consists of a flat piece of metal extending between the side bars 6 and riveted or otherwise suitably secured to the horizontal flanges thereof. Hinges 10 are provided for hinging the bar 9 of the tub supporting frame to the lower flange $3^a$ of the channel bar 3. In this way the tub frame is positively supported on the channel bar and yet may be swung from a horizontal position, such as shown in Figures 1 and 2 to a depending or hanging vertical position such as shown in Figure 3.

Means is provided for releasably, though firmly and rigidly, securing the tub supporting frame 5 in horizontal position, and this means preferably consists of a strut 12 having its lower end hinged as at 13 to an angle bracket 14. The upper end of the strut 12 has a double bevel or is otherwise suitably shaped as indicated at 15, to snugly fit in between and engage the flanges of the end angle bar 7. When the tub supporting frame 5 is to be held and firmly secured in horizontal position the angle bar 7 of the tub supporting frame has its flanges engaged with the upper end of the strut arm 12, and as the strut arm is inclined, the load imposed on the tub supporting frame serves only to enhance the engagement of the tub supporting frame with the strut. Moreover, as shown in the drawings, the entire structure possesses the properties of a truss.

When the tub supporting frame is not to be used, the tub supporting frame 5 is lifted up slightly to disengage the upper end 15 of the strut 12 from the angle bar 7, and then the strut 12 is swung inwardly within the open frame 5 and the frame 5 is swung downwardly until the parts occupy the position shown in Figure 3.

As shown in the drawing, the strut arm 12 has a catch 20 secured thereto, the catch being in the form of a hook, and having a curved bill 21 designed to engage the flat bar 9 of the tub frame so as to hold the strut 12 in a substantially upright position when the tub bracket is not in use.

The tub bracket carries a starch pan bracket made up of a plurality of bails, designated at 30 and 31, the bails 30 and 31 having legs 32 and 33 and body portions 34 and 35, respectively. The bail 31 is of substantially U-shaped form but the bail 30 has its body portion offset from its legs, as shown in Fig. 1. The end of each leg of each bail remote from the body portion thereof is

pivotally connected, as indicated at 37, to the side bars 6 of the tub supporting frame. This mounting of the bails on the tub supporting frame permits the bails to be collapsed to a position wherein their legs lie alongside of and parallel to the side bars. The bars may also be swung to a substantially vertical position, and in order to limit the swinging movement of the bars to such position, a stop 38 is secured to each bar 6 between the bails and has its ends 39 engageable with the legs of the bails to limit their movement to a substantially vertical position. The lower ends of the legs of the bails are rounded off, as indicated at 40 in Fig. 4, to permit the bails to be swung downward to collapsed position when the starch pan bracket is not to be used.

I claim:—

1. A tub supporting bracket comprising a supporting member adapted to be secured to a stationary structure, a substantially open tub supporting frame hinged to said supporting member, a strut arm, a second supporting member also adapted to be secured to the supporting structure and hinged to the lower end of the strut arm, the upper end of the strut arm being engageable with the frame to hold the same in a horizontal position, said frame hanging vertically downward when not in use, the strut arm when not in use extending substantially upright and through the substantially open tub supporting frame, and interengageable means on the strut arm and frame for releasably securing the strut arm in its substantially upright position.

2. A tub supporting bracket adapted to be mounted on a stationary part of a washing machine or the like, and comprising a channel member adapted to be fastened to the stationary part of the washing machine, a substantially open tub supporting frame having an end bar, hinges for connecting said end bar of the frame to the channel member, a strut, means for hinging the lower end of the strut to a stationary part of the washing machine, the upper end of the strut being engageable with the outer end of the frame to support the frame in its extended position, and a catch on the strut having a curved bill engageable with the end bar of the frame for maintaining the strut substantially upright.

3. A tub supporting bracket comprising a supporting member, a tub supporting frame including side bars and end bars, one of said end bars being hinged to the supporting member, the other end bar being constituted of angle iron, a strut, means for hingedly supporting the lower end of the strut, the upper end of the strut being adapted to engage the flanges of the outer end angle bar of the frame, and a catch on the strut having a curved bill engageable with an end bar of the frame for supporting the strut substantially upright.

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