June 6, 1950 W. J. ROACH 2,510,933

BATHTUB PROTECTOR

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Fig. 1.

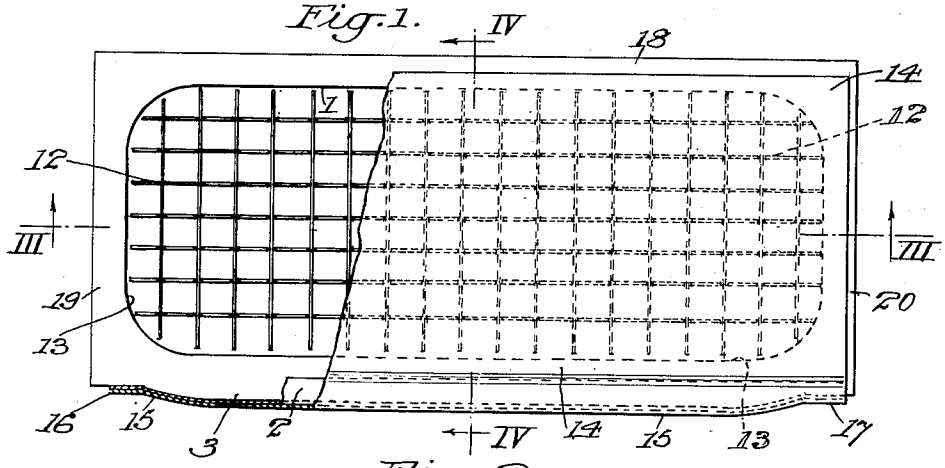


Fig. 2.

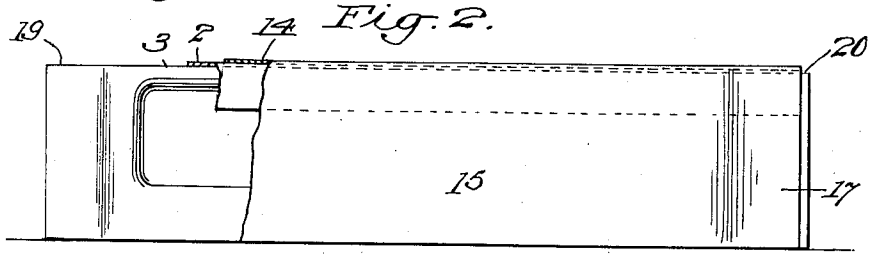


Fig. 3.

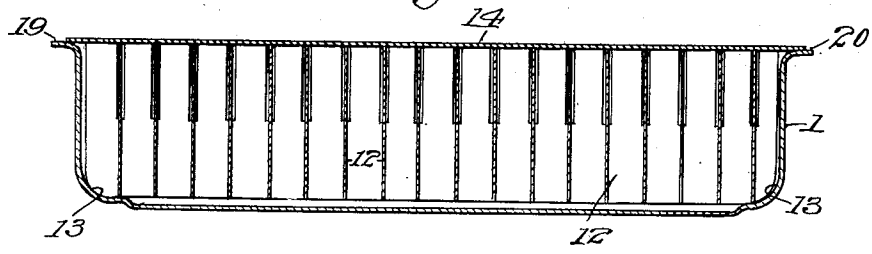
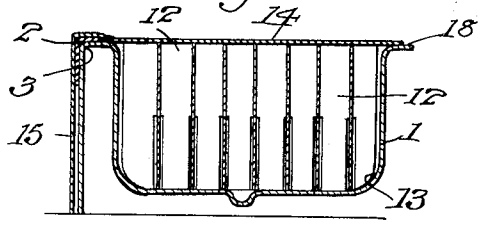


Fig. 4.



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Fig. 5.

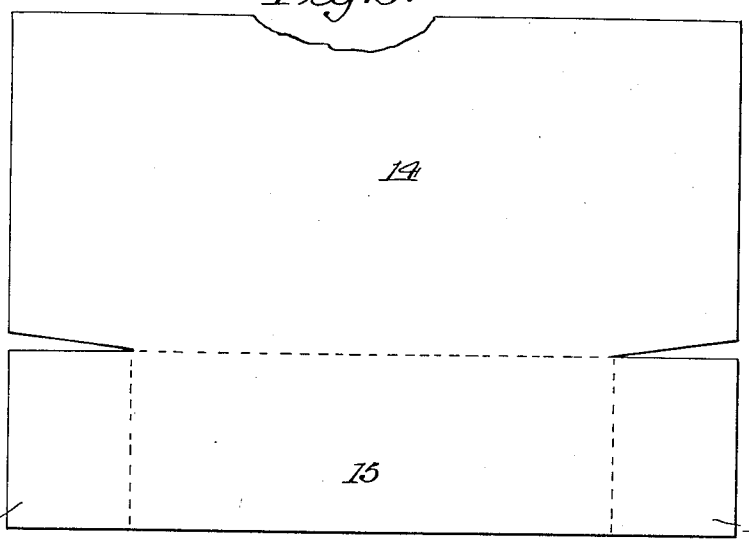


Fig. 6.

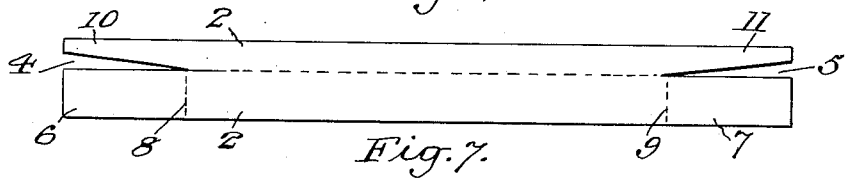


Fig. 7.



Fig. 8.

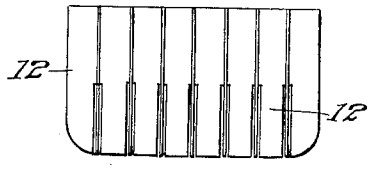


Fig. 9.

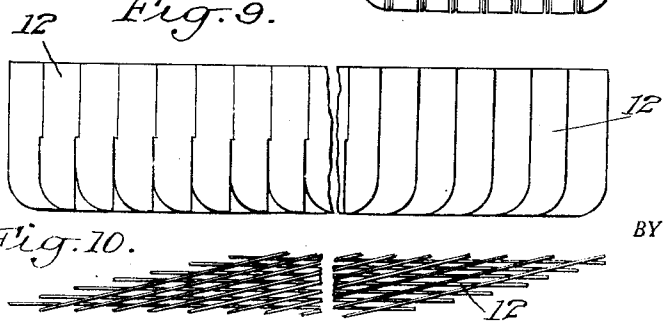


Fig. 10.

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UNITED STATES PATENT OFFICE

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BATHTUB PROTECTOR

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7 Claims. (Cl. 4—173)

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My invention relates to protective devices for bathtubs, bowls, sinks or the like whereby the smooth surfaces such as the exposed edges, front and interior are protected from fracture, scratches, abrasions and such damage after the item has been installed and before adjoining construction work has been completed.

It is customary on a construction job to locate a bathtub, for example, and then perfect the adjoining tile work, plaster, floor or connections in due time after the tub has been properly placed. During this waiting period the tub, bowl or sink, unless measures are taken to prevent it, is used as a receptacle and "catch-all" for tools, parts or other material, and is also often used to stand on or in to complete other work. The surface of the article so abused is often ruined necessitating replacement at the expense of the contractor and resulting in waste and loss of time.

The object of my invention is to provide a protective device for the exposed surfaces of tubs, bowls, sinks or the like which may be quickly and easily assembled and applied. While being both removable and disposable, it is of sufficiently strong construction to support the weight of a workman, if necessary.

A further object is to provide an article of the character described in which the cooperation of the several parts protects the desired surfaces by denying access thereto, said article comprising an edge protecting section and a foldable support, both being adapted for cooperation with a cover member.

A practical embodiment of my invention is represented in the accompanying drawings in which:

Fig. 1 represents a plan view showing the protective device partly broken away,

Fig. 2 represents an elevation of the embodiment shown in Fig. 1,

Fig. 3 is a longitudinal section taken on the line III—III of Fig. 1, looking in the direction of the arrows,

Fig. 4 is a transverse vertical section taken in the plane of the line IV—IV of Fig. 1 and looking in the direction of the arrows,

Fig. 5 represents a development of the cover portion,

Fig. 6 represents a plan view of the edge protector,

Fig. 7 represents a side elevation of the removable foldable support,

Fig. 8 represents an end elevation of the same,

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Fig. 9 is a detailed plan view of the insert when folded, and

Fig. 10 is a plan view of the embodiment shown in Fig. 9.

Referring to the drawings, a bathtub of the built-in type is denoted by 1. The protective device therefor built in accordance with my invention comprises an edge protector 2 adapted to completely cover and overlap the near edge 3 of tub 1. Cut outs 4 and 5 of protector 2 permit flaps 6 and 7 to be bent inwardly along the vertical lines 8, 9 to conform the protector to the outer configuration of the tub and form a right angle abutment with horizontally extending end pieces 10, 11 at the top edge of tub 1.

A collapsible cellular removable insert 12 made of any well-known or approved material such as corrugated paper, wood fibre or the like shaped at its bottom and side edges to conform with and be supported by the inner surface 13 of tub 1 and having its top surfaces all lying in the same horizontal plane is adapted for insertion in the tub 1 to support a foldable cover portion 14.

Said cover 14 is provided with an apron 15 adapted to be bent downwardly for the protection of the front of the tub and said apron has side pieces 16, 17 adapted to be folded inwardly to form a right angle joint at their upper edges with the cover 14 at the tub surface. Said cover 14 thereby completely overlies the insert 12, the edge protecting section 2 and the near tub edge 3 but only partially covers far edge 18 and end top edges 19 and 20 of tub 1.

This partial coverage of edges 18, 19 and 20 is provided so that the walls of plaster, tile or the like may be finished off to the tub without the necessity for or removal of my protecting device.

When the parts have been placed as above described, the cover 14 is affixed to the top by an adhesive tape or other well-known or approved means (not shown herein) thereby holding itself, the edge protecting section 2, and collapsible cellular insert 12 in cooperative relationship for protecting the tub surfaces and providing a weight sustaining support.

It will thus be seen that access to the tub interior and normally exposed edges and side will be denied except as herein above described.

It will also be understood that I have provided an article of this character which is capable of being shipped flat i. e., in "knock-down" position so that it may be packed with a tub but is capable of quick and complete assembly and installation in a relatively short time.

Since it is evident that various changes may be resorted to in the form, construction and arrangement of the several parts, I do not intend to be limited to the embodiment shown and described herein except as set forth in the following claims.

Wht I claim is:

1. In combination, a tub and a protective device therefor, comprising a cover portion adapted to overlap the tub, and a collapsible cellular support for the cover portion based in said tub.

2. In combination, a tub and a protective device therefor, comprising a cover portion adapted to completely overlap the top and side of the tub and a collapsible removable cellular support for the cover portion based in said tub.

3. In combination, a tub and a protective device therefor, comprising an edge protector of predetermined shape, a cover portion adapted to overlap and hold the protector in place and a collapsible cellular compression resistant support for the remainder of the cover portion based in said tub.

4. A protective device for bathtubs or similar articles, comprising an edge protector cut to a predetermined pattern, a cover portion shaped for cooperation therewith and collapsible cellular means for removably supporting the cover portion in operative position, said means comprising a plurality of interhinged members having their bottom and end portions shaped to fit and contact the inner surface of a tub substantially throughout its length.

5. In a bathtub, a protective device therefor, comprising an edge protector shaped and foldable to a predetermined pattern, a cover portion shaped to cooperate therewith and hold same in position and a support for the cover portion, said support comprising a collapsible cellular element supported by and adapted to fit the inside of the bathtub and to support the cover portion substantially throughout its length and width.

6. A protective device for bathtubs or similar articles, comprising an edge protector having foldable flaps, a cover portion adapted to overlap the protector and flaps and provided with an apron, side pieces on said apron, all of said elements cooperating to form a substantially complete closure and a collapsible cellular support for the cover portion shaped to fit the inner surface of a tub for supporting the cover against vertical compression.

7. In a bathtub, a protective device therefor, comprising an edge protector shaped to fit an upper edge of said tub and extend partially down one side, a cover portion extending across said tub and completely covering the edge protector and the downwardly extending tub side and a collapsible cellular multi-point support for the cover portion completely covered thereby shaped to fit and supported by the interior surface of the tub.

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The following references are of record in the file of this patent:

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