N. ZIMTBAUM.

COVER FOR TUBS AND THE LIKE.

APPLICATION FILED JULY 29, 1915.

1,285,548.

Patented Nov. 19, 1918.

2 SHEETS—SHEET 1.

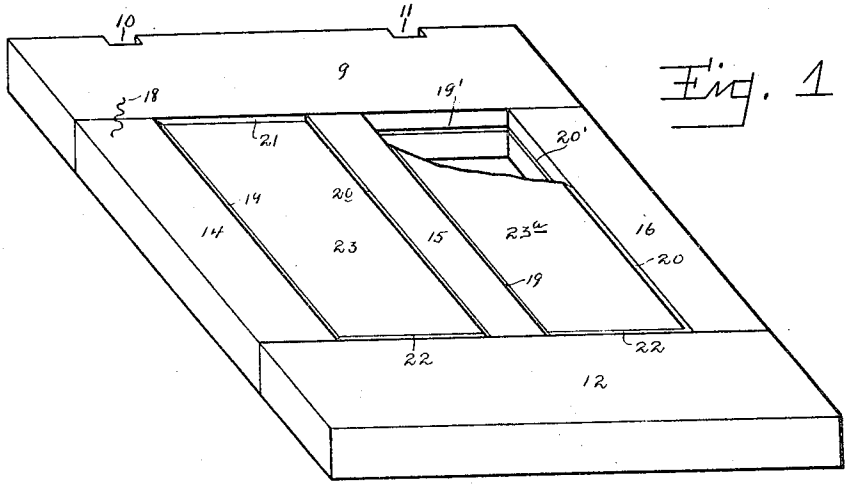


Fig. 1

Fig. 2

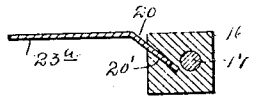
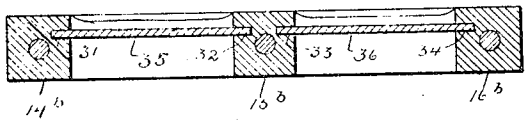


Fig. 3.



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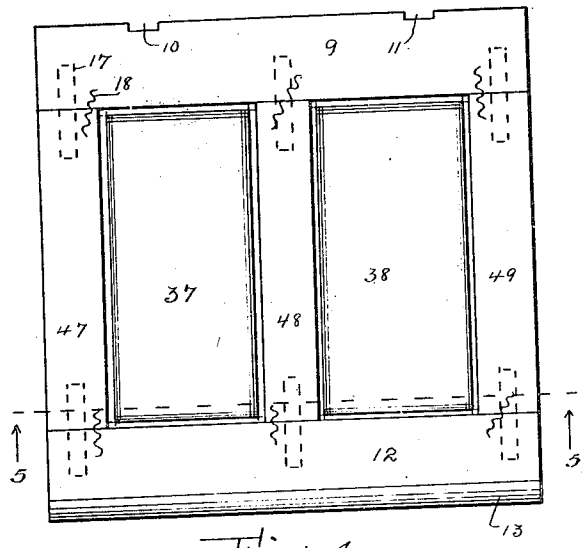

Fig. 4.

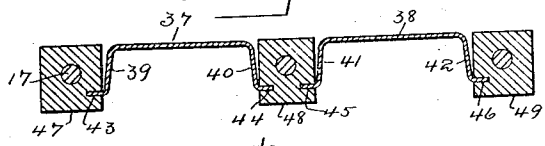

Fig. 5.

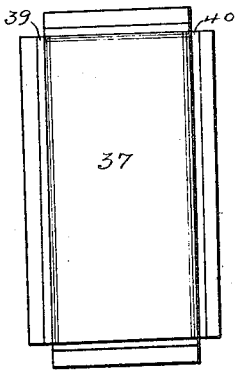

Fig. 6.

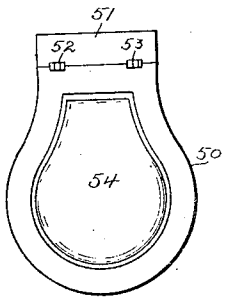

Fig. 8

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UNITED STATES PATENT OFFICE.

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COVER FOR TUBS AND THE LIKE.

1,285,548. Specification of Letters Patent. Patented Nov. 19, 1918.

Application filed July 29, 1915. Serial No. 42,573.

To all whom it may concern:

Be it known that I, NATHAN ZIMTBAUM, a citizen of the United States, and a resident of the borough of Brooklyn, county of Kings, city and State of New York, have invented certain new and useful Improvements in Covers for Tubs and the like, of which the following is a specification.

The device, the subject of this invention, is intended to be used as a cover for stationary wash tubs or for any other receptacle, but the greatest advantage from its employment will be discovered when it is used in conjunction with vessels containing water or subject to prolonged dampness, for under such conditions it will demonstrate its strength and rigidity and its ability to withstand the warp or twist which so often destroys the usefulness of covers formed entirely of wood.

I have also provided a construction wherein the panels will not become loosened because of shrinking or seasoning of the wood, and the panels themselves, in my device will successfully withstand great weights and strains without cracking and breaking which so often result from the rough usage of wooden paneled covers.

In the specification which follows and in the drawings which accompany this specification I have shown different constructions each of which will be fully set forth.

The following is what I consider the best means of carrying out this invention.

The accompanying drawings form a part of this specification, in which:

Figure 1 is a perspective view, partly in section of a cover constructed according to my invention.

Fig. 2 is a fractional view of the construction shown in Fig. 1.

Fig. 3 is a sectional view of a cover having inserted panels.

Fig. 4 is a plan view of a cover of slightly different construction.

Fig. 5 is a sectional view of the cover shown in Fig. 4, the section being taken on the line and in the direction indicated by the arrows 5—5.

Fig. 6 is a plan view of one of the panels shown in Fig. 4.

Similar reference numerals indicate like parts in all the figures where they appear.

In describing my invention I desire to call attention to the fact that I have employed as a part thereof a cover for wash tubs of ordinary design and construction but that I have omitted the panels sometimes if not usually found in such covers, and I have substituted therefor metallic panels secured in a manner that will be later set forth.

The cover then is composed of five wooden members as indicated in several of the figures and in Fig. 1, 9 indicates the back member which may be provided with hinge receiving apertures 10 and 11, and spaced some distance from the back member and arranged parallel thereto, is the front member as indicated at 12, the outer or front edge of which may be rounded as indicated at 13 in Fig. 4. Extending between the members 9 and 12 I arrange three parallel members 14, 15 and 16 of approximately equal width and of equal length. These members which extend parallel with each other are spaced apart and may be secured to the members 9 and 12 by means of dowels as indicated at 17 or fasteners as indicated at 18 or both, and it will be noted that the members 14, 15 and 16 are not as wide as the front and back members 9 and 12.

Before securing the wooden members thus far described in operative position I arrange a longitudinal saw-kerf extending along the inner edge of each of the members. The saw-kerf enters at an oblique angle to the plane of the part, commencing quite near the top or upper surface and extending downward for or slightly more than half the thickness of the wood. It is within the saw-kerf that my metallic panels are to be received and secured and I may find it desirable to place the panels in position at the time of and during the assembling of the wooden members.

The metallic panels used with my device may be formed of sheet tin or of any other suitable metal but I prefer that they should be of galvanized sheet iron of any desirable thickness cut in oblong sheets of sufficient areas to fit the spacings provided for the panels plus the additional width that shall be required to enter the saw-kerfs.

Each of the panels is flat but each is provided with an angularly downturned edge on the four sides as indicated at 19, 20, 21 and 22, and in assembling, the downturned edges are adapted and intended to enter the adjacent saw-kerfs as indicated at 19′ 20′, etc. As each of the panels is of the same general shape I indicate them as 23 and 23ª.

I have before indicated that it was possible to apply the metallic panels in a rather

different manner than that described in relation to Figs. 1 and 2. Such further means are shown in the additional figures.

In Fig. 3 I have shown a construction wherein the panels used are flat and are not provided with angularly disposed edges. Here the wooden members as indicated at 14^b, 15^b, and 16^b are provided with horizontal slots entering from their inner edges as indicated at 31, 32 and 33 and 34 and it is into these slots that the straight edges of the panels 35 and 36 are to be received and retained.

I have found that the arching or cupping of the metallic panels adds to their strength and also provide an amount of resiliency or spring that will enable them to compensate for the shrinking of the cover if such shrinking should occur and to utilize these important features to the greatest possible extent I have devised a construction shown in Figs. 4, 5, and 6, where the panels 37 and 38 are provided with inwardly turned flanges as indicated at 39, 40, 41 and 42 upon the edge of which I produce an outwardly or horizontally extending projection as indicated at 43, 44, 45 and 46. These projections are received into horizontal slots that have been produced low down in the inner edges of the surrounding wooden members some of which are indicated at 47, 48 and 49. In using this construction I prefer that the panels should be sprung into position by compressing the flanges 39, 40, etc., so that their tendency will be outward from all four sides of each panel.

I desire it understood that my primary purpose is to provide a cover having metallic panels which not only cheapen the construction but strengthen it to a very marked extent prolonging its useful life and preventing its destruction from the usual causes, that is; the splitting of the panels the loosening of the panels by the shrinking of the wood and by the warp or twist of the cover. It is therefore evident that my invention may be used in covers intended for different purposes.

From the foregoing description it is evident that certain parts, such as the dowel 17, or fasteners 18 may be omitted if other securing means are utilized, it is further evident that parts may be used without the whole and that modifications may be made within the scope of the appended claims without departing from the principles or sacrificing the advantages of this invention.

Having carefully and fully described my invention what I claim and desire to secure by Letters Patent, is:

1. A cover for wash tubs comprising a back member provided with a plurality of hinge receiving apertures on one side and a longitudinal groove on the other side, a front member having a longitudinal groove in one side and a plurality of spacers between said front and back members two of said spacers having one longitudinal groove and another spacer having two longitudinal grooves, dowels securing said spacers to said front and back members and two resilient metallic members arranged between said front and back members and said spacers and having their edges received in the grooves of said front and back members and said spacers.

2. A cover for wash tubs comprising a back member and a front member parallel to and spaced away from each other each said member being provided with a longitudinal groove at one side thereof and said back member being provided with hinge receiving apertures, a plurality of grooved spacers of a width less than that of the said front and back members and secured one at midlength the front and back members and one between each of the ends of the said front and back members and metallic plates one arranged between the center spacer and each of the outer spacers and secured in the said grooves as and for the purpose set forth.

3. In a cover for wash tubs, the combination with a back member having a longitudinal groove in one side, of a front member having a similar longitudinal groove in the adjacent side, a plurality of spacers between said front and back members two of said spacers having one longitudinal groove and another spacer having two longitudinal grooves, dowels securing said spacers to said front and back members, and two resilient metallic members arranged between said front and back members and said spacers and having their edges received in grooves of said front and back members and said spacers.

4. In a cover for wash tubs, the combination with a back member and front member parallel to and spaced away from each other and having grooves in their adjacent sides, of a plurality of grooved spacers between the ends and at the middle of said members, and metallic plates one aranged between the center spacer and each of the outer spacers and secured in the said grooves.

Signed at New Yok city, in the county and State of New York, this 26th day of July, 1915.

NATHAN ZIMTBAUM.

Witnesses:
G. E. S. MARR,
ARTHUR PHELPS MARR.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."