April 22, 1924. 1,490,909

E. BOWERMAN

ASH TRAY

Filed March 4, 1922

Fig. 1.

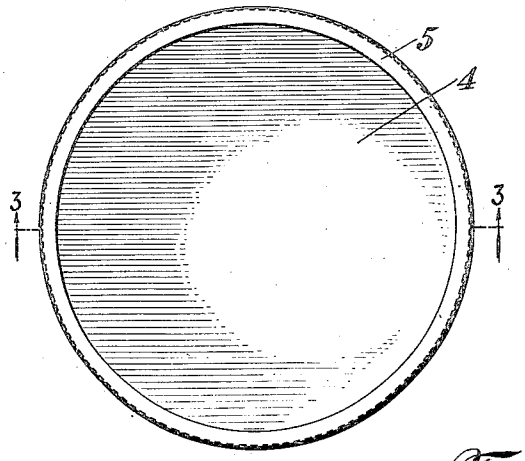


Fig. 2.

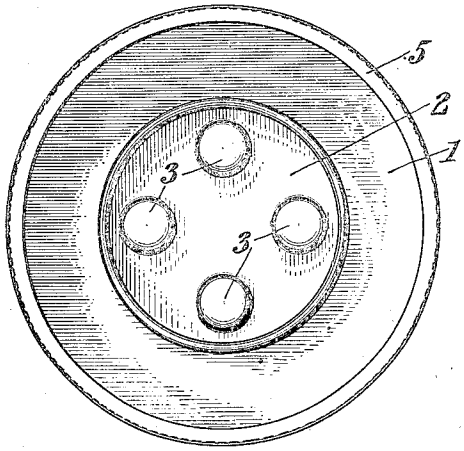


Fig. 3.



Fig. 5.

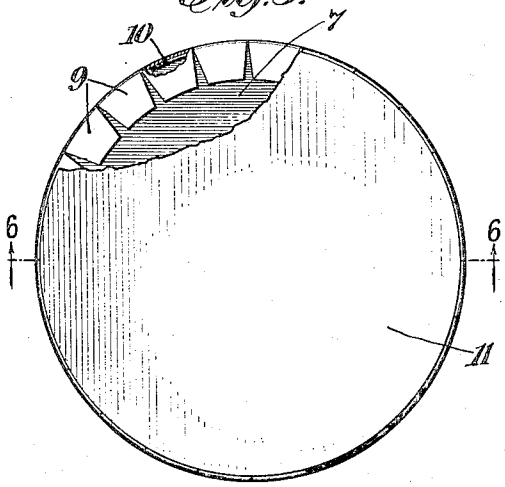


Fig. 4.

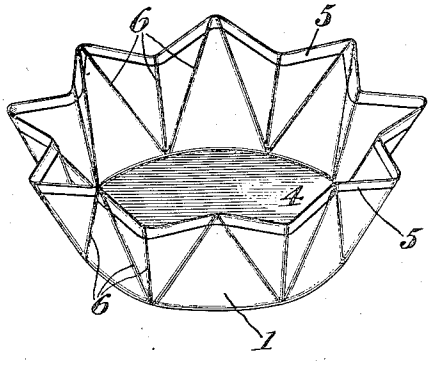


Fig. 6.



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UNITED STATES PATENT OFFICE.

EMMA BOWERMAN, OF NEW YORK, N. Y.

ASH TRAY.

Application filed March 4, 1922. Serial No. 540,974.

To all whom it may concern:

Be it known that I, EMMA BOWERMAN, a citizen of the United States, a resident of New York, in the county of New York and State of New York, have invented a certain new and useful Ash Tray, of which the following is a specification.

This invention relates to an improved ash tray having a lining of abestos or other non-combustible material.

The invention has as an object the provision of an ash tray which will be cheap, and which may be manufactured without difficulty in large quantities. A further object is to provide such a tray which will be sanitary and non-inflammable, and which may be of a light character so that a large number of trays may be distributed to the various rooms of a hotel by a single attendant in a short time. Other objects will appear hereinafter.

While the invention may be illustrated by various embodiments, the following description is intended to set forth a preferred embodiment of the invention, together with the annexed drawings which form part thereof.

In said drawings,

Figure 1 is a plan or top view of the blank from which the tray is made;

Fig. 2 is a bottom view of said blank;

Fig. 3 is a section thereof;

Fig. 4 is a complete perspective view of the finished tray;

Fig. 5 is a view of a modified form of blank; and

Fig. 6 is a section thereof.

In said drawings, considering first Figs. 1 to 4, there is shown a base 1 which may be made of paper or other suitable fibrous material preferably light in weight, and attached to said base by glue or other suitable means there is a bottom portion or disc 2 having embossments 3 thereon for the purpose of spacing the tray from the table on which it is to stand. A sheet of asbestos or other non-inflammable material 4 is suitably mounted on the base 1 by gluing it thereto or fastening it in some other suitable way, and these two sheets are then fastened together on their peripheries by a metallic band 5. The completed blank is then bent up in any suitable manner as shown in Fig. 4, the creases occurring in this case along the lines 6. There is thus provided an ash tray which is light in weight, non-inflammable, inexpensive to manufacture, and which will not scorch the table on which it is placed by reason of the embossments on the bottom thereof.

The modification shown in Figs. 5 and 6 consists of a base 7 of paper or similar material having a periphery 8 which is cut out to form portions 9 which are bent or folded over a wire 10 running around the periphery, and these portions 9 are glued down to the base 7, thus retaining the wire 10 therein. An asbestos covering 11 is then mounted upon the base, and when the blank has been completed in this manner it is bent up into any desired form to provide a tray. While two forms of stiffening members at the peripheries of the blanks have been described, it is evident that other forms may be used either continuous or discontinuous, or otherwise altered by somewhat changing their position with respect to the periphery. One of the simple methods of fastening the various parts together is by gluing them, but of course other methods may be employed and fastening means may sometimes be omitted, for example as in Fig. 3 where the angular stiffening member 5 serves to clamp the blanks together.

As many apparently widely different embodiments of this invention may be made without departing from the spirit thereof, it is to be understood that I do not intend to limit myself to the specific embodiment thereof except as indicated in the appended claims.

I claim:

1. An ash tray comprising a body of fibrous material and an inside lining of fireproof material, the peripheries being bent up and stiffened by a stiffening member located circumferentially near the peripheries.

2. An ash tray comprising a body of fibrous material and an inside lining of fireproof material, the peripheries being bent up and stiffened by a circumferentially disposed metallic band.

3. An ash tray comprising a body of fibrous material and an inside lining of fireproof material, the peripheries being bent up and stiffened up by an annular metallic band running around the periphery.

4. An ash tray comprising a body of fibrous material and an inside lining of fire-

proof material, the bottom portion of the tray having projections to separate the tray from the support upon which it is placed.

5. An ash tray comprising a body of fibrous material and an inside lining of fireproof material, the peripheries being bent up and stiffened by a stiffening member, and the bottom portion having projections thereon to space the tray away from a support upon which it is to be placed.

6. An ash tray comprising a body of paper and a lining of asbestos whose peripheries are bent up and stiffened by a metallic band serving to clamp them together at their peripheries, the bottom portion of the tray having projections thereon to space the tray away from a support upon which it is to be placed.

7. An ash tray comprising a body of paper having its periphery bent up into fluted form and having a substantially continuous metallic stiffening attached to said periphery to retain it in said form.

8. An ash tray comprising fibrous sheet material forming the bottom thereof and having its edges turned up to constitute the sides of the tray and having projections on its bottom to support said bottom above an object on which it may rest, and a lining of sheet asbestos that substantially fits said bottom and sides.

9. An ash tray comprising a bottom and sides and a lining therefor formed of sheet asbestos, said bottom having projections embossed therein for raising said bottom and lining out of contact with an object upon which the tray may rest.

10. An ash tray comprising fibrous sheet material forming the bottom thereof and having its edges turned up to constitute the sides of the tray, the upper surface of said tray being fireproof, said tray having projections on its bottom to support said bottom above an object on which it may rest, said projections being formed by pressing out said sheet material, and said tray being so formed as to prevent relatively large lumps of burning ashes from falling into said projections.

In testimony that I claim the foregoing, I have hereunto set my hand this 21st day of February, 1922.

EMMA BOWERMAN.