A. B. BATES.

DRIP CATCHER FOR REFRIGERATORS.

APPLICATION FILED MAR. 29, 1919.

1,349,314. Patented Aug. 10, 1920.

Fig 1.

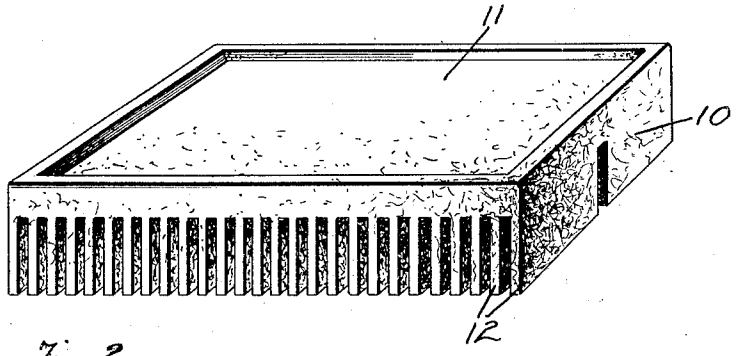


Fig 2

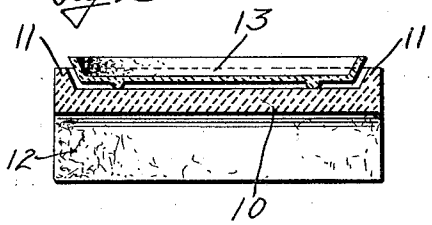


Fig 4

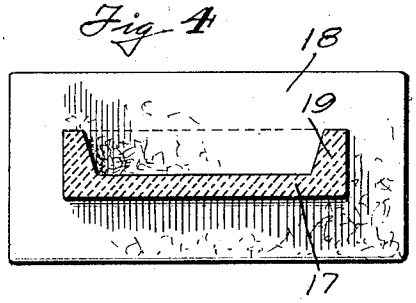
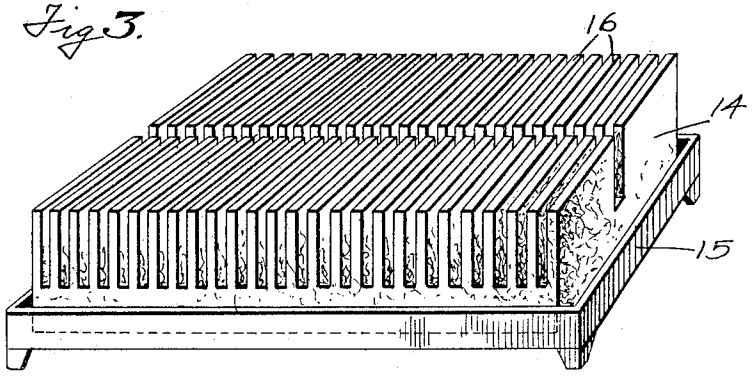


Fig 3.



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DRIP-CATCHER FOR REFRIGERATORS.

1,349,314. Specification of Letters Patent. Patented Aug. 10, 1920.

Application filed March 29, 1919. Serial No. 286,032.

To all whom it may concern:

Be it known that I, AUGUST B. BATES, a citizen of the United States, and a resident of Washington, in the District of Columbia, have invented certain new and useful Improvements in Drip-Catchers for Refrigerators, of which the following is a specification.

My present invention relates particularly to drip catchers for refrigerators, my object being the provision of a simple, inexpensive arrangement for catching the drip of refrigerators, which will obviate the removing and emptying of pans now commonly used for this purpose.

Generally speaking, my invention proposes a drip catcher the construction and nature of which will effect an evaporation of the waste water and in this way avoid the necessity of its removal and discharge from metal pans as ordinarily used for this purpose.

In the accompanying drawing illustrating my present invention, and forming a part of this specification,

Figure 1 is a perspective view showing the preferred form of this structure,

Fig. 2 is a cross section therethrough illustrating the use of a pan or tray,

Fig. 3 is a perspective view illustrating a modified form of the invention, and

Fig. 4 is a transverse section through still another modified form.

Referring now to these figures and particularly to Figs. 1 and 2, my invention proposes a drip structure the body 10 of which is formed of some suitable porous material as, for instance, plaster of Paris, the body being generally rectangular in shape and having an upstanding ledge around its edges, forming a shallow basin-like drip receiving surface at 11. The entire under surface of the body 10 is formed with a multitude of extending vanes or fins as seen at 12 so as to thus produce a greatly increased radiating surface and in this way bring about maximum evaporation. These vanes or fins 12 may of course be of varying number and size, depending upon the area of the body 10, the needed evaporation surface being in proportion to the size of the melting ice and the time required for it to melt.

As seen in Fig. 2, I may employ a shallow tray 13 of a size adapting the same to fit within the basin-like receiving surface 11 of the body 10, preferably formed of the same material as the body 10, and adapted to act more or less as a filter, preventing vegetable or other matter from descending onto the body 10 of the drip catcher from the refrigerator, which might otherwise be calculated to clog up the pores of the material of which the body 10 is formed.

As seen in Fig. 3, I may utilize a body 14 of porous material within a metal or other tray 15, the body 14, like the body 10, having a plurality of fins or vanes 16 increasing its area of radiation to the desired point.

As seen in Fig. 4, moreover, the body 17 may be entirely surrounded by fins or vanes 18, one of which is seen in side view, so that the vanes or fins project above and below, as well as beyond opposite sides of the body, the latter having ledges 19, of the form shown in Figs. 1 and 2, which form a basin-like receiving surface.

It is thus obvious that my invention provides a simple, inexpensive drip catcher which may be placed beneath the refrigerator, and will thereby not only avoid the usual necessity of frequent emptying of the drip receptacle, but will assist the action of the refrigerator to the extent of its tendency to cool the surrounding air, liquid evaporation producing lowering temperature, as is well known.

I claim:—

1. A drip catcher for refrigerators and the like, having a shallow body adapted to be positioned beneath a refrigerator, said body being formed of a porous material and provided with a plurality of extending fins whereby to increase its radiation for evaporating purposes.

2. A drip catcher for refrigerators and the like, provided with a drip receiving surface and having a shallow body adapted to be positioned beneath a refrigerator, said body being formed of a porous material and provided with a plurality of extending fins to increase its surface of radiation, for the purpose described.

3. A drip catcher for refrigerators and the like, having a shallow body adapted to be positioned beneath a refrigerator, said body being formed of a porous material and provided with an upper surrounding ledge forming a shallow basin-like receiving surface, and having extending fins whereby to increase the surface of radiation, for the purpose described.

4. A drip catcher for refrigerators and

the like, having a shallow body adapted to be positioned beneath a refrigerator, said body being formed of a porous material and provided with a plurality of extending fins, the upper portion of the said body having a drip receiving basin.

5. A drip catcher for refrigerators and the like, having its body formed of a porous material and provided with extending fins, and a drip receiving tray formed of similar material to the said body and disposed upon the upper surface thereof, for the purpose described.

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