

E. G. HINES.
DISH DRAINER.
APPLICATION FILED JULY 16, 1912.

1,074,173.

Patented Sept. 30, 1913.

Fig. 1.

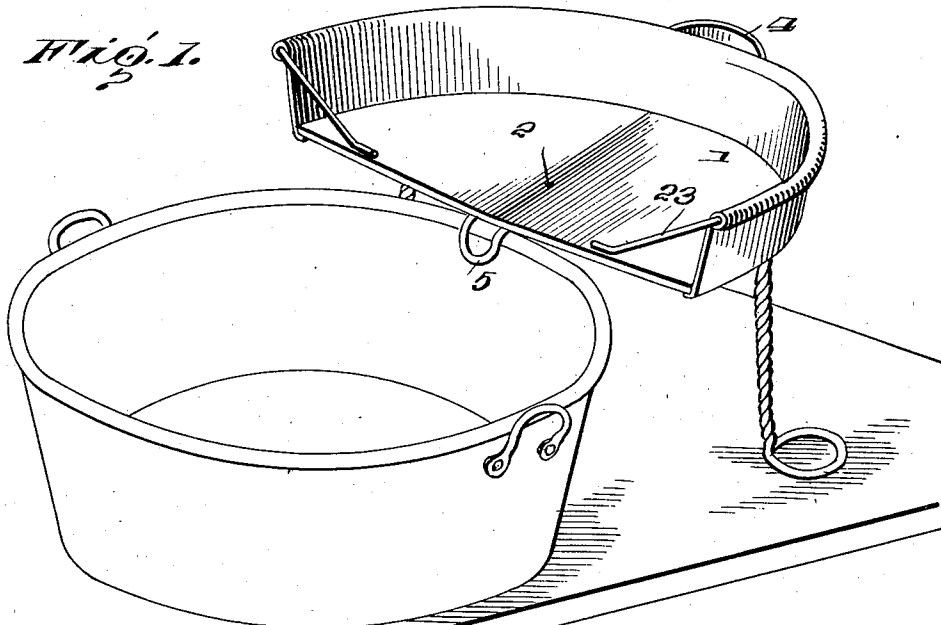


Fig. 2.

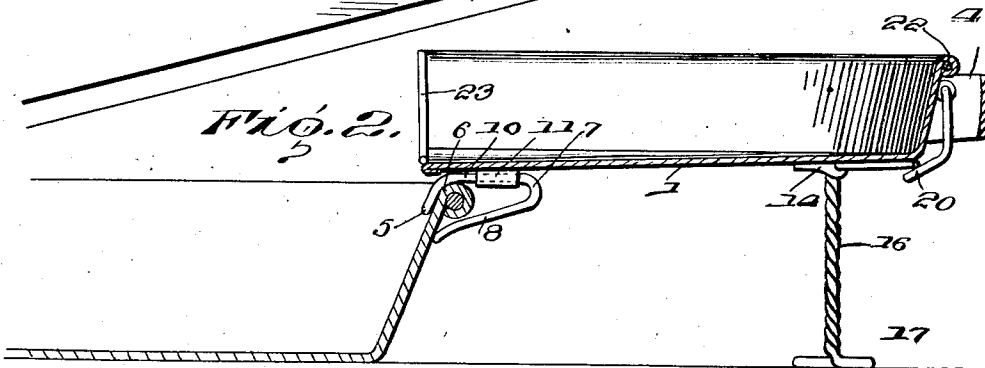
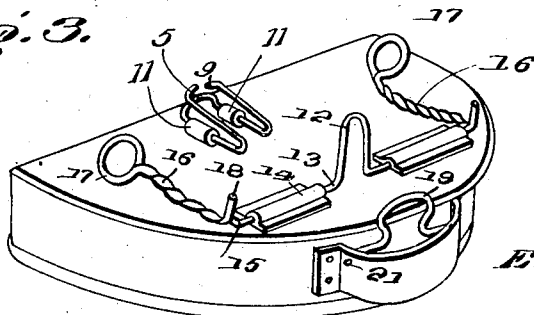


Fig. 3.



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UNITED STATES PATENT OFFICE.

EDWIN G. HINES, OF DRUMS, PENNSYLVANIA.

DISH-DRAINER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDWIN G. HINES, citizen of the United States, residing at Drums, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Dish-Drainers, of which the following is a specification.

This invention relates to dish draining devices and more particularly to a dish draining device which is applicable to any ordinary dish-pan.

It is one aim of the invention to provide a device of this type which may be so applied to a dish-pan as to project a greater or less distance over the edge of the same and which, when applied will be firmly supported in position to drain dishes disposed therewithin.

Another object of the invention is to provide a dish draining device of the type mentioned which may be folded to occupy but little space when not in use.

For a full understanding of the invention reference is to be had to the following description and accompanying drawing in which:—

Figure 1 is a perspective view of the dish draining device embodying the present invention applied to a dish-pan. Fig. 2 is a vertical sectional view through the same taken in a plane from front to rear and Fig. 3 is a perspective view of the device in folded condition.

Corresponding and like parts are referred to in the following description and indicated in all the views of the accompanying drawing by the same reference characters.

In the drawing the bottom of the draining pan is indicated by the numeral 1 and as clearly shown in Figs. 1 and 2 of the drawing, is substantially semi-circular in outline and is sloped downwardly from each side toward its middle and downwardly from its rear side to its forward side so that a channel 2 is afforded extending from front to rear of the bottom and increasing in depth in the direction of the chordal or forward edge of the said bottom, this channel serving to convey to the dish-pan to which the device is applied the drainings from the dishes disposed upon the device, as will be presently fully described.

The side wall of the draining pan is indicated by the numeral 3 and upstands from the arcuate edge of the bottom 1. A handle 4 is provided upon the wall 3 at the rear

side thereof and serves as a means whereby the device may be carried from place to place. In order that the device may be attached to the side of a dish-pan, there is provided an attaching clip which will now be described. This clip is formed from a single length of wire which at a point between its ends is bent upon itself as at 5 and has its spaced portions bent as at 6 so that the portion 5 will project downwardly at an angle with relation to the adjacent portions of the spaced members of the clip, as clearly shown in Fig. 2 of the drawing. The said spaced members of the clip are thence bent as at 7 to form fingers 8 which project downwardly and beneath the first mentioned spaced portions and preferably have their extremities turned inwardly toward each other as at 9 and located beneath and slightly inwardly of the bend 5. The first mentioned spaced portions of the clip 7 indicated at 10 are slidably fitted in sleeves 11 which are secured upon the under side of the bottom 1 in spaced parallel relation with respect to each other. It will be observed by referring to Fig. 2 of the drawing that the clip is engaged with the dish-pan by engaging the upper edge of the wall of the pan between the portion 5 of the clip and the ends of the fingers 8. As above stated, the clip is slidably mounted in the sleeves 11 and consequently after its application to the wall of the dish-pan, the drainer pan may be adjusted upon the clip so that its forward or chordal edge will project a greater or less distance from the edge of the said wall of the dish-pan.

In order to support the draining device at its rear side, means is provided which will now be described. A suitable length of wire is bent upon itself between its end to form a substantially U-shaped arm 12 and portions 13 which project laterally in opposite directions from the arm and are mounted for rocking movement in bearings 14 arranged upon the under side of the pan near its rear side. These portions 13 are bent as at 15 to extend substantially at right angles and are bent back upon themselves and twisted as at 16 to form supporting legs which extend substantially at right angles from the portions 13 which are received in the bearings 14. In twisting the right angularly bent portions of the members 13, loops 17 are formed which serve the purpose of feet, they being bent to extend laterally from the free

ends of the twisted portions 15. Each extremity of the wire is bent at an angle as at 18 to form a finger which projects at an angle from the upper ends of the said legs

- 5 16. In setting up the device the legs 16 are swung up so as to project downwardly from the under side of the bottom 1 in the manner shown in Figs. 1 and 2 of the drawing, and this swinging movement of the legs will
10 bring the arm 12 and the fingers 18 into engagement against the under side of the bottom 1, thereby preventing further rearward swinging movement of the legs. In order that the legs may be held against collapse, a
15 bail 19 is pivoted at the rear side of the wall 2 of the drainer pan and has its lower portion bent to extend forwardly as at 20. After the legs have been swung rearwardly as stated, and the arm 12 has been brought
20 to position engaging against the under side of the drainer pan bottom, the bail 19 is swung to engage beneath the said arm 12 and the legs are thus held in the position illustrated in Figs. 1 and 2 of the drawing.
25 The bail 19 is preferably formed from a single length of wire bent as before stated and having its ends pivotally fitted in openings 21 formed in opposite sides of the handle 4.
30 By referring to Figs. 1 and 2 of the drawing it will be observed that the upper edge of the wall 3 of the drainer is overturned about a reinforcing wire 22 and that the ends of this wire project beyond the ends of
35 the wall and are extended downwardly at an angle to the bottom 1 of the pan as indicated at 23 and are secured thereto at their extremities so that the said wall at its ends will be firmly braced with relation to the
40 bottom.

Having thus described the invention what is claimed as new is:—

1. In a device of the class described, a pan, an attaching clip adjustable upon the
45 bottom of the pan toward and from the forward edge thereof, and supporting means for the pan.
2. In a device of the class described, a pan, an attaching clip slidably adjustable
50 upon the under side of the pan whereby the pan may be arranged to project a greater or less distance over the edge of a dish-pan with which the clip is engaged, and means for supporting the drainer pan.
55 3. In a device of the class described, a pan, and means carried thereby for attach-

ing the same to a dish-pan, said means including sleeves secured upon the under side of the pan, and a clip formed from a single length of wire bent between its ends to form
60 spaced portions and having its said spaced portions slidably fitted within the sleeves and bent adjacent its first mentioned bend, whereby to form a portion projecting down-
65 wardly at an angle from the said spaced portions, the said spaced portions being further bent to form spaced downwardly projecting fingers having their engaging portions spaced from the first mentioned engaging
70 portion of the clip.

4. In a device of the class described, a pan, supporting legs therefor, means connecting the legs and mounted for rocking movement upon the pan, an arm carried by the said connecting means and arranged, when
75 the legs are in supporting position, to bear against the pan, and means for holding the legs in such position.

5. In a device of the class described, a pan, supporting legs therefor, means con-
80 necting the legs and mounted for rocking movement upon the pan, an arm carried by the said connecting means and arranged, when the legs are in supporting position, to bear against the pan, and a bail for holding
85 the legs in such position.

6. In a device of the class described, a pan, an attaching clip at one side of the pan, and means at the other side of the pan for supporting the pan, said means comprising
90 supporting legs formed from a single length of wire bent between its ends to form an arm, and portions in alinement with each other extending laterally in opposite directions from the arm, means pivotally con-
95 necting the said portions to the under side of the pan, the wire beyond the said portions being twisted to form the legs proper and the terminals of the wire being bent to extend at an angle from the upper ends of the
100 said legs proper, whereby to form fingers arranged to engage against the under side of the pan when the legs are in supporting position, the said arm being also arranged to bear against the said under side of the pan.
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In testimony whereof I affix my signature in presence of two witnesses.

EDWIN G. HINES. [L. s.]

Witnesses:

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JOHN WILHELM.