H. H. HARRIS.

DRAIN BOARD.

APPLICATION FILED SEPT. 12, 1918.

1,327,039.

Patented Jan. 6, 1920.

2 SHEETS—SHEET 1.

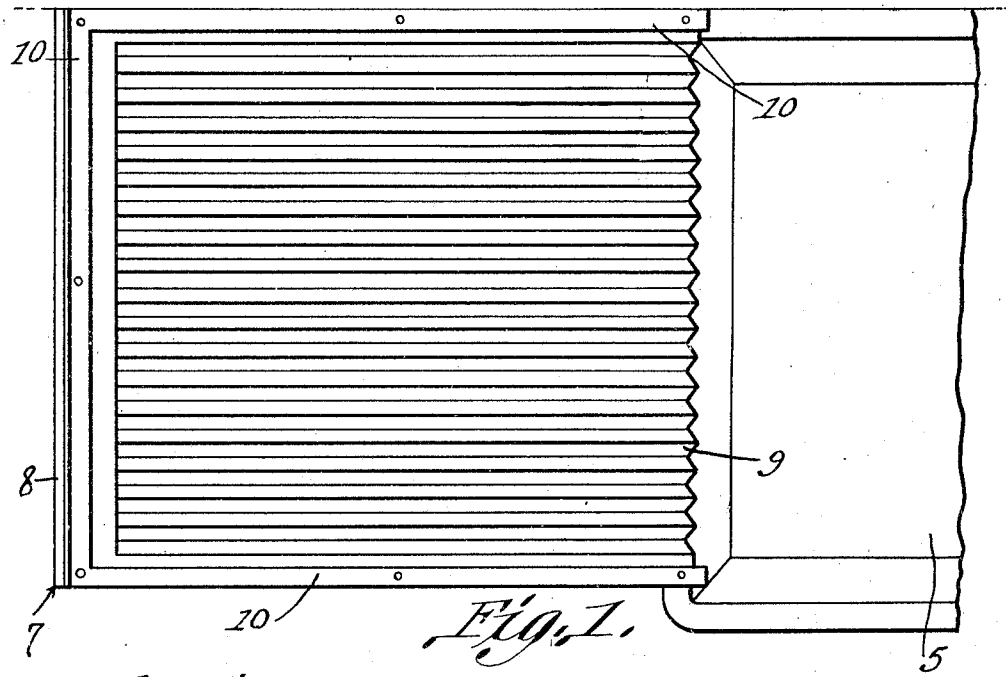

Fig. 1.

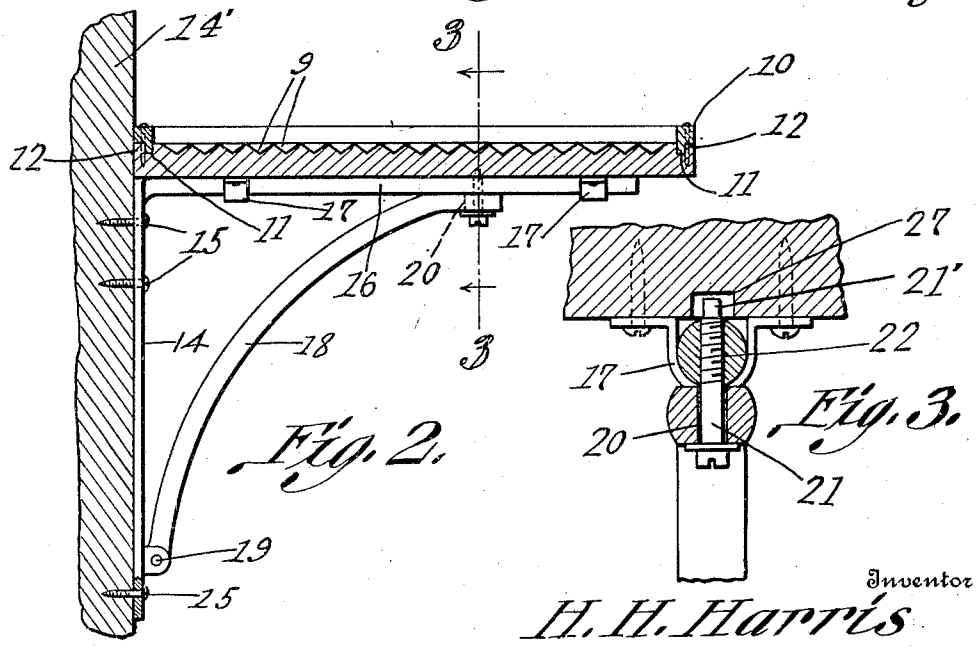

Fig. 2.

Fig. 3.

Inventor

H. H. Harris

By Norman J. Whitaker

his Attorney

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2 SHEETS—SHEET 2.

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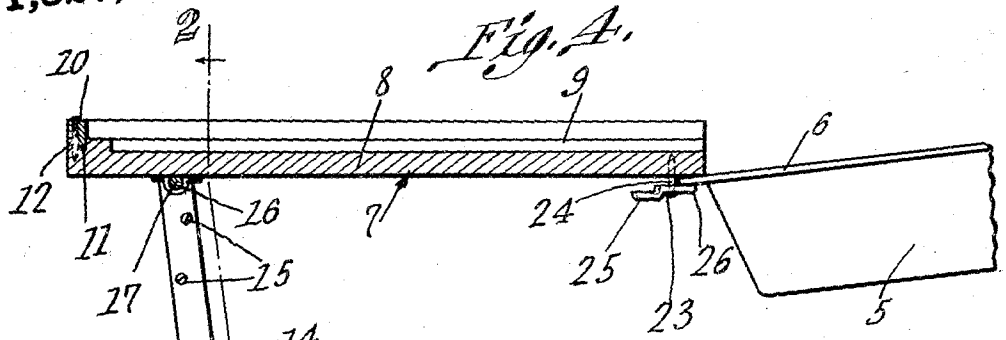
Fig. 4.



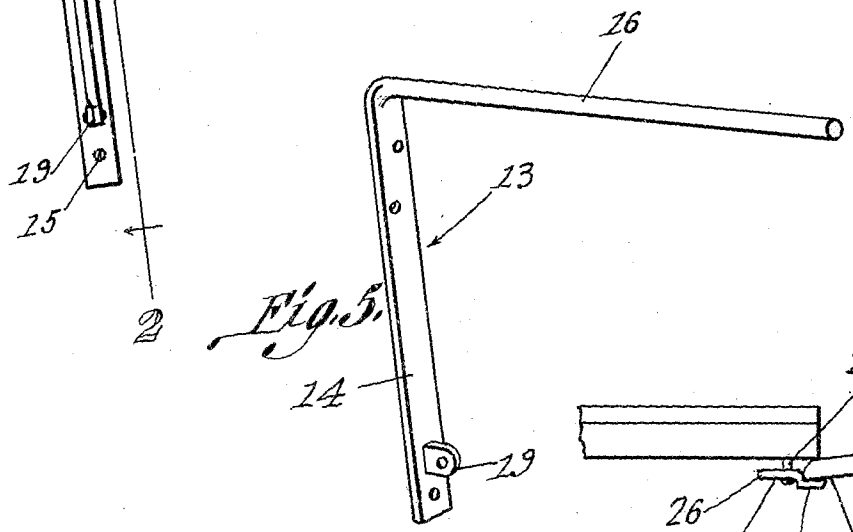
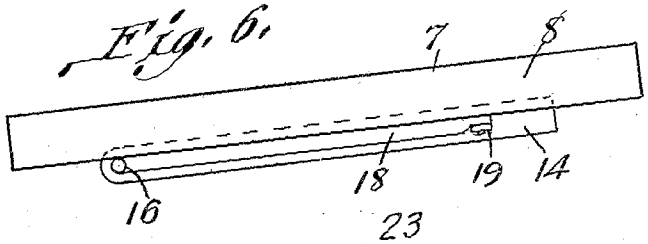


Fig. 5.

Fig. 7.

Fig. 6.



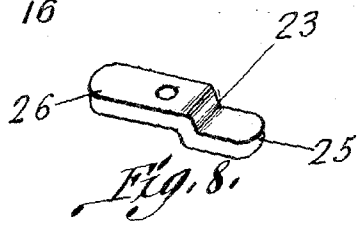


Fig. 8.

Inventor

H. H. Harris

By Norman J. Whitaker

his Attorney

UNITED STATES PATENT OFFICE.

HAROLD HENRY HARRIS, OF WILMINGTON, NORTH CAROLINA.

DRAIN-BOARD.

1,327,039. Specification of Letters Patent. Patented Jan. 6, 1920.

Application filed September 12, 1918. Serial No. 253,754.

To all whom it may concern:

Be it known that I, HAROLD HENRY HARRIS, a citizen of the United States, and a resident of Wilmington, in the county of New Hanover and State of North Carolina, have invented certain new and useful Improvements in Drain-Boards, of which the following is a specification.

This invention relates to drain boards and has particular reference to that class of drain boards adapted to be detachably connected with a sink of the conventional type.

An important object of the invention is to provide in a device of the above mentioned character, a means whereby the same may be folded into compact form when not in use.

A further object of the invention is to provide in a device of the above mentioned character, a means whereby the position of certain elements thereof may be changed with respect to certain other elements in order that the device as a whole may be readily attached to either side of the sink.

A further object of the invention is to provide a device of the above mentioned character, which is strong, durable and inexpensive to manufacture.

Other objects and advantages of the invention will be apparent during the course of the following description taken in connection with the accompanying drawings.

In the drawings forming a part of the specification and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a top plan view of a drain board embodying my invention, the device as a whole being connected to a sink,

Fig. 2 is a transverse sectional view taken on line 2—2 of Fig. 4,

Fig. 3 is a sectional view taken on line 3—3 of Fig. 2,

Fig. 4 is a longitudinal sectional view of the device,

Fig. 5 is a perspective view of a bracket,

Fig. 6 is a diagrammatic view of the device, the same being folded into a compact form,

Fig. 7 is a fragmental view of the device, the same being clamped to a relatively thin flange of the sink, and,

Fig. 8 is a perspective view of a clamp.

In the drawings, wherein for the purpose of illustration is shown a preferred form of my invention, the numeral 5 indicates the sink provided with a relatively thin flange 6, to which the device embodying my invention is connected, the device being indicated as a whole by the numeral 7.

The device embodying my invention comprises a rectangular board 8 which is provided with a plurality of grooves 9. To each side and one end of the board 8 relatively near the edge thereof, there is secured a rim 10 which is provided with a depending flange 11 arranged to contact with the inner face of a bead 12 in order to form a water tight joint, the purpose of the water tight joint being apparent from the nature of the device. When considering the accompanying drawings the board 8 is preferably inclined as shown in Fig. 4 and is held in an inclined position by means of a bracket indicated as a whole by the numeral 13, which bracket comprises a face plate 14 adapted to be secured to a wall or other stationary object 14′ by means of screws or the like 15. The bracket 13 is provided with an arm 16 which is preferably round in cross section as shown. In order to secure the board 8 to the arm 16 there is provided a plurality of yokes 17 through which the arm 16 is passed when the device as a whole is being installed in connection with the sink 5. In order to support the arm 16 there is provided a brace 18 which is pivotally connected with the face plate 14 as shown at 19. The free end of the brace 18 is provided with an elongated slot 20 adapted to receive a screw 21 having screw thread engagement with the arm 16 as shown at 22. In order to attach the end of the board 8 securely to the flange 6 there is provided a clamp 23 which is retained in engagement with the flange 6 by means of a screw or the like 24. It will be noted that the clamp 23 is bent to provide arms 25 and 26 which lie in different parallel planes, the arm 26 being employed in engagement with a relatively thin flange as shown in Fig. 4, while the arm 25 is employed when it is desired to clamp the device to a relatively thick flange 6′ as shown in Fig. 7. Should it be desired to transport the device, the bracket 13 may be folded, upon the arm 16, serving as a pivot, to the position shown in Fig. 6 in which instance only a relatively small space will be required to accommodate the device.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred form of the same,

and that various changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claim.

Having thus described my invention, what I claim as new and desire to secure and protect by Letters Patent of the United States is:

A drain board for sinks having a peripheral flange, comprising a normally inclined board, means for connecting one end of said normally inclined board to the flange of the sink, a plurality of yokes secured to said normally inclined board, a face plate, an arm secured to said face plate, said arm being round in cross section and adapted to be detachably secured within said yokes, a brace having one end pivotally connected to said face plate, the other end being provided with an elongated slot, and a screw passed through said slot and having engagement with said arm.

HAROLD HENRY HARRIS.