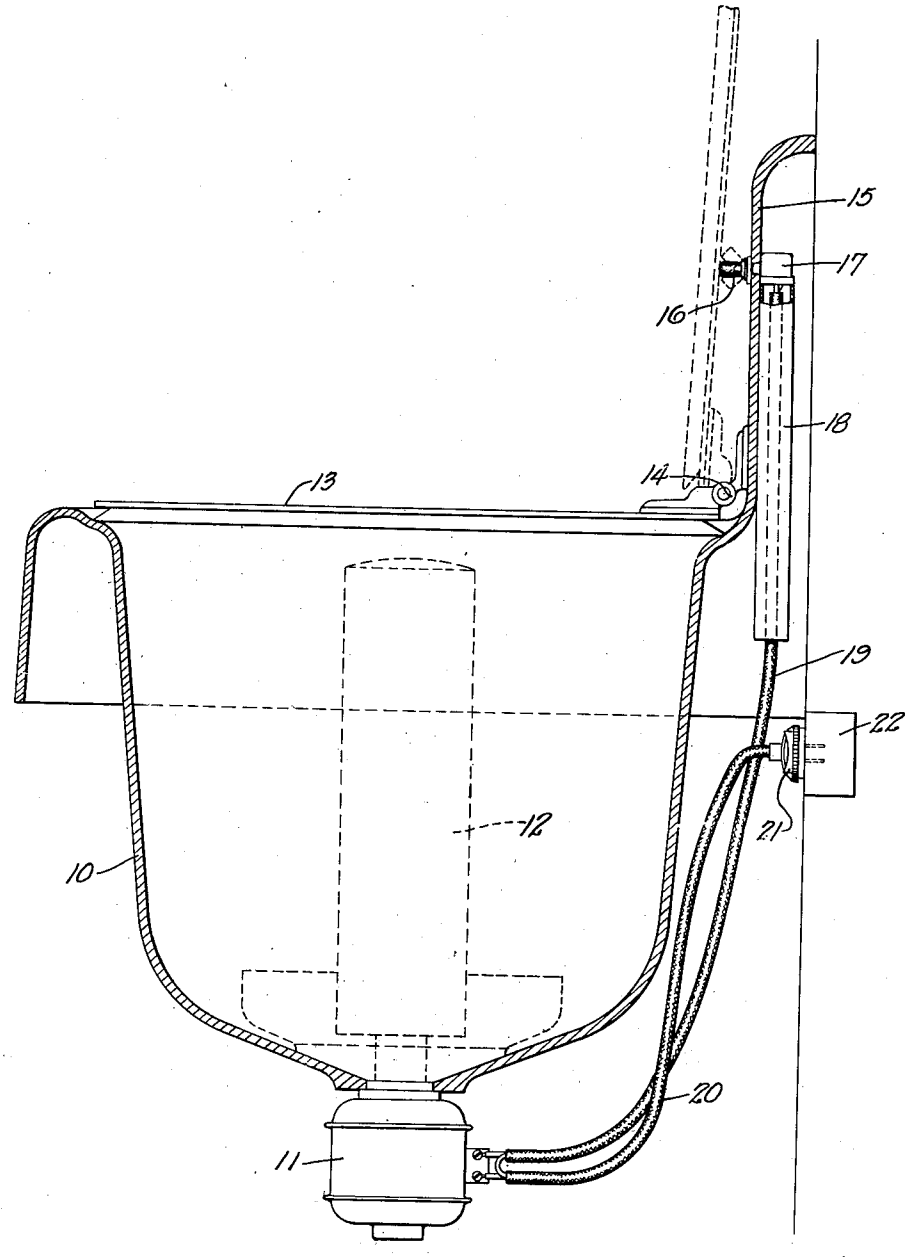
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START AND STOP SWITCH FOR COMBINATION DISHWASHER AND SINK

Filed July 6, 1926



WITNESSES

D. E. Spotts.

M. E. Downey

INVENTOR

Frank G. Brotz

BY

R. L. Caldwell

ATTORNEY.

Patented Aug. 18, 1931 1,819,355

UNITED STATES PATENT OFFICE

FRANK G. BROTZ, OF KOHLER, WISCONSIN, ASSIGNOR TO KOHLER COMPANY, OF KOHLER, WISCONSIN, A CORPORATION OF WISCONSIN

START AND STOP SWITCH FOR COMBINATION DISHWASHER AND SINK

Application filed July 6, 1926. Serial No. 120,787.

This invention has for its object to provide a start and stop switch for combination dishwashers and sinks so constructed and arranged as to constitute a safety feature preventing the starting of the motor when the cover is open and inaccessible to small children.

Such dishwashers provided as usual with controlling switches installed under the apron or in the wall are apt to have the motor started while the cover is open with a consequent splashing of water in all directions and, being accessible to children, they are apt to be injured if, in their inquisitiveness, they start the motor and cause the machine to be operated. This invention has for its object to avoid the possibility of such mistakes and such danger.

With the above and other objects in view the invention consists in the start and stop switch for combination dishwashers and sinks as herein claimed and all equivalents.

Referring to the accompanying drawing the figure represents a vertical sectional view of a combination dishwasher and sink having a motor-control switch constructed in accordance with this invention.

In this drawing, 10 indicates the dishwasher receptacle of a combination dishwasher and sink of a type in present use, the motor 11 thereof positioned at the bottom and driving rotating dishwashing mechanism 12 indicated in dotted lines. A cover 13 with flexible sealing lip is hinged at 14 to the back panel 15 of the porcelain enameled combination fixture and is adapted to make a tight fitting closure with the rim surrounding the receptacle 10 to confine the water thereto. The cover 13, when open, swings back toward the back panel 15, as shown by dotted lines, and mounted on the back panel 15 in position to be engaged by the cover when open is a bumper 16 of rubber or other cushioning material, which constitutes the handle of a switch 17 for controlling the motor. The switch handle is thus located where it will be inaccessible when the cover is open, making it impossible for the motor to be started at such times to splash the water over the room and insuring the closing of the cover before the motor is started.

A tubular sheet metal conduit 18 extends from the switch 17 to a point below the back panel 15 and forms a housing to protect a cable 19 passing therethrough from the switch 17 to the motor 11, there being another cable 20 extending from the motor to an attachment plug 21 removably fitting in a service outlet 22 in the wall of the room.

The switch handle 16 does not operate the switch when pressed longitudinally as by the pressure of the open cover, but it is preferably of that type which may be swung in any direction to operate the switch, first to close the switch and then to open it. The construction of such switch is not shown as it forms no part of the present invention and is in common use. As the cover is usually of glass, the switch handle is preferably provided with a rubber tip or covering.

The switch is thus incorporated in the fixture itself and the handle is convenient for operation without being accessible to small children.

As the present invention in commercial practice is embodied in clotheswashers as well as dishwashers and in individual units as well as combinations with sinks, the term "dishwashers and the like" as herein used is intended to include all such devices and devices of like character.

What I claim as new and desire to secure by Letters Patent is:

1. In a dishwasher or the like, a receptacle, a motor-driven mechanism therein, a hinged cover for the receptacle, a bumper against which the cover swings when opened, and a switch for the motor operated by said bumper as a handle.

2. In a combination dishwasher and sink having a back panel, a dishwasher receptacle, motor-driven dishwashing mechanism therein, a cover for the receptacle hinged to the back panel, a cushioning bumper on the back panel against which the cover swings when open, and a switch for the motor behind the back panel, said bumper constituting the handle for said switch.

3. In a combination dishwasher and sink of porcelain enameled ware having a back panel, a dishwashing receptacle, motor-driven mechanism therein, a cover for the receptacle hinged to the back panel, a resilient bumper on the back panel engaged by the cover in its open position, a switch for the motor on the back of the back panel, said pumper constituting the handle of said switch, a sheet metal conduit extending from said switch to beneath the back panel, a cable extending through the conduit from said switch to the motor, a cable connected with said motor, and an attachment plug thereon.

4. A stationary plumbing fixture of porcelain enameled ware comprising a receptacle having a back panel rising above it and adapted to fit against the wall of the room, a motor-driven water agitating mechanism within the receptacle, a hinged cover for the receptacle adapted to be opened to a position close to the back panel, and a switch for controlling the motor mounted on the back panel in position to be rendered inaccessible by the open cover whereby it cannot be operated to start the motor while the cover is open.

In testimony whereof I affix my signature.

FRANK G. BROTZ.