May 19, 1931. E. J. SCHUDA 1,805,557

WRINGER FRAME

Filed Dec. 20, 1927

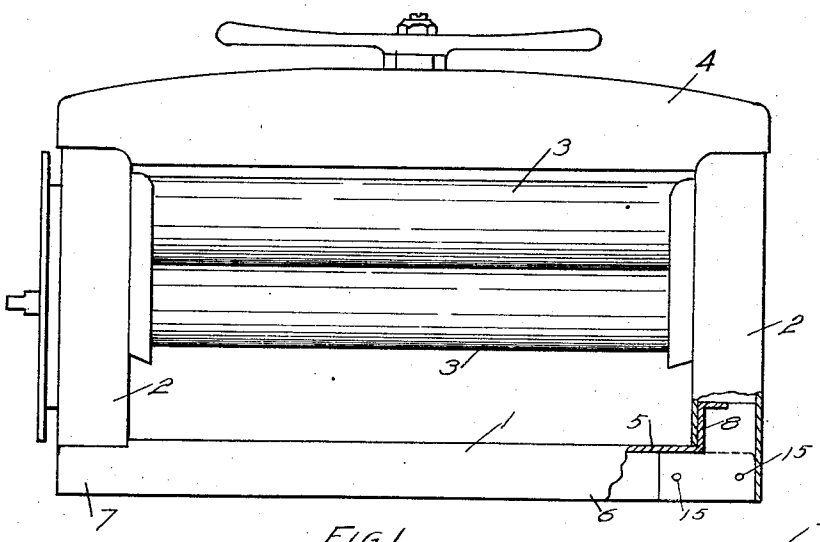


FIG. 1.

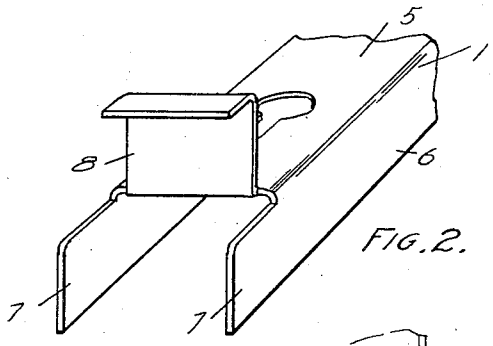


FIG. 2.

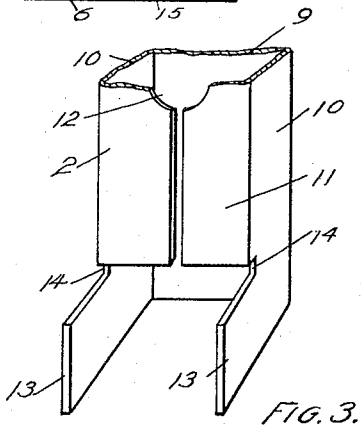


FIG. 3.

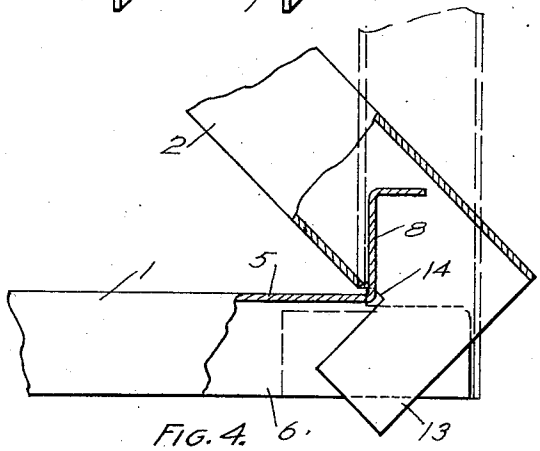


FIG. 4.

Ernest J. Schuda
INVENTOR.

BY W. L. Ford
ATTORNEY

Patented May 19, 1931 1,805,557

UNITED STATES PATENT OFFICE

ERNEST J. SCHUDA, OF ERIE, PENNSYLVANIA, ASSIGNOR TO LOVELL MANUFACTURING COMPANY, OF ERIE, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA

WRINGER FRAME

Application filed December 20, 1927. Serial No. 241,303.

This invention is designed to improve wringer frames and particularly wringer frames made of sheet metal and is directed particularly to the improvement of the corner construction between a bottom piece and side stile. Features and details of the invention will appear from the specification and claims.

A preferred embodiment of the invention is illustrated in the accompanying drawings as follows:

Fig. 1 shows a front elevation of a wringer, partly in section.

Fig. 2 a perspective view of the end of the bottom piece of the frame.

Fig. 3 a perspective view of the bottom of the stile.

Fig. 4 a side elevation, partly in section, showing the mode of assembly of the stile and bottom piece.

1 marks the bottom piece, 2 the side stiles, 3 the wringer rolls mounted in the stiles, and 4 the top rail. The bottom piece is of channel shape and is made up of the top wall 5 and side walls 6. The side walls are extended at 7 and the top wall projects upwardly at 8, this upwardly extending portion 8 being notched back from the side wall 7 so that the extension is slightly narrower than the top wall 5. The upper end of the upwardly extending portion 8 terminates in a horizontal projection forming a seat for one of the wringer blocks, the bottom of which is shown in section at the left in Fig. 1.

The side stile is of box form having the outside wall 9, the side walls 10 and the inner wall 11, the inner wall being severed and containing a slot 12 through which the roll rod extends in the usual manner. At the bottom ends of the stile the metal in continuation of the sides of the inner wall 11 is severed from the inner walls 11 and extends directly inwardly having a notch 14 at the bottom of the wall 11. With this construction the side stile may be hooked over the upward extension 8, as shown in Fig. 4, with the bottom extensions 13 within the side walls 6, the extension 13 projecting under the bottom of the top wall 5 and the extension 7 extending along the side walls of the stile. This adds very greatly to the rigidity of the frame. The parts are practically locked together by the overlapping metal. The frame is further secured by any preferred securing means, such as points of spot welding, or rivets 15. The upward extension engaging the inner wall stiffens the stile in this respect and it may be secured, if desired, to the inner wall 11.

What I claim as new is:—

1. In a wringer frame, the combination of a base of channel shape with top and side walls, the side walls extending beyond the top wall; a side stile of box form narrower than the base and arranged between the extending sides, the stile being formed with an outer wall, side walls, and an inner wall, the inner wall being severed vertically and having a roll rod receiving slot, the inner wall terminating at the top of the base and the bottom ends of the side walls of the stiles having inwardly extending ears extending along the side walls of the base below the top wall of the base; and means for securing the base and stile together.

2. In a wringer frame, the combination of a base of channel form with top and side walls, the side walls extending beyond the top wall and the end of the top wall extending upwardly; a side stile of box form narrower than the base and arranged between the extending sides, said side stile being provided with an outer wall, side walls, and an inner wall, the inner wall terminating on the upper wall of the base and extending over the upwardly projecting part of the top wall of the base, the bottoms of the side walls of the stile having projecting lips extending under the top wall of the base and along the inner surfaces of the side walls of the base; and means for securing the base and stile together.

In testimony whereof I have hereunto set my hand.

ERNEST J. SCHUDA.