E. L. WATROUS.

SPOUT.

APPLICATION FILED MAR. 20, 1908.

938,402. Patented Oct. 26, 1909.

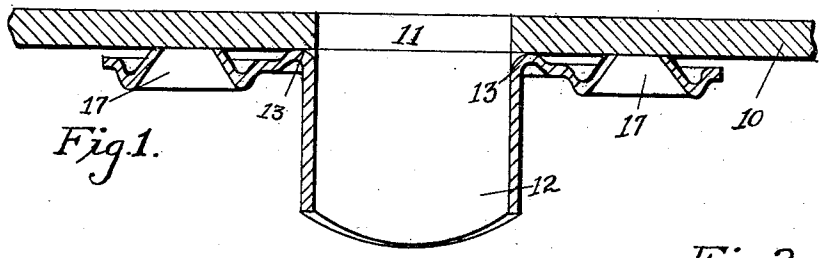


Fig. 1.

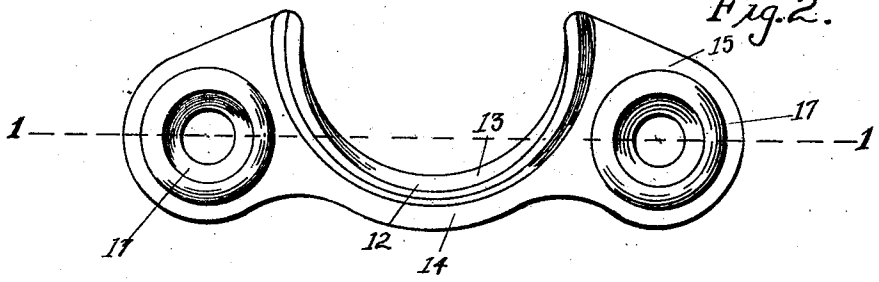


Fig. 2.

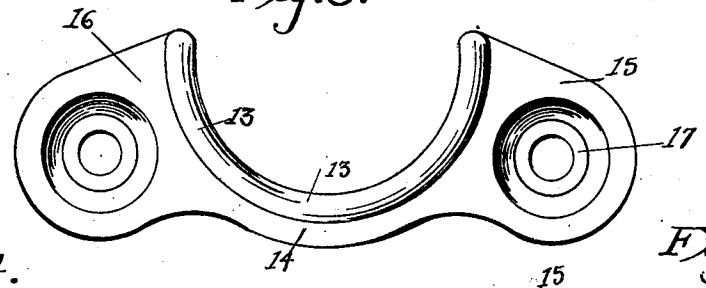


Fig. 3.

Fig. 4.

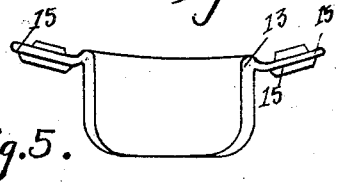
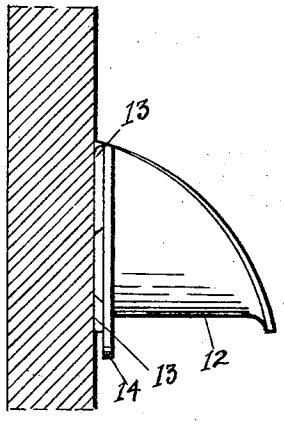


Fig. 6.



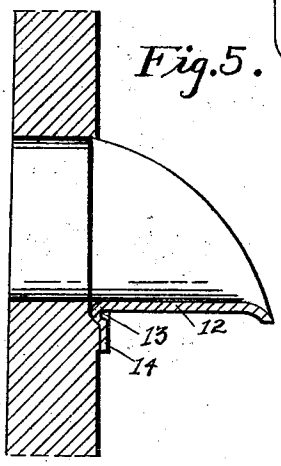


Fig. 5.

Witnesses
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UNITED STATES PATENT OFFICE.

EDWARD L. WATROUS, OF DES MOINES, IOWA.

SPOUT.

938,402. Specification of Letters Patent. Patented Oct. 26, 1909.

Application filed March 20, 1908. Serial No. 422,248.

To all whom it may concern:

Be it known that I, EDWARD L. WATROUS, a citizen of the United States, residing at Des Moines, in the county of Polk and State of Iowa, have invented a certain new and useful Spout, of which the following is a specification.

The objects of my invention are to provide a spout of simple, durable and inexpensive construction formed complete of a single piece of sheet metal, and so arranged that it will form a tight joint with the device to which it is attached, and thus prevent leaking at the joint, and further to provide a spout which is so shaped as to afford a maximum amount of strength with a minimum amount of weight.

A further object is to provide a spout of this class which can be easily and readily secured to a washing machine tub.

My invention consists in certain details in the construction, arrangement and combination of the various parts of the device, whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in my claims and illustrated in the accompanying drawings, in which—

Figure 1 is a longitudinal, sectional view of the device, showing it in position relative to an opening in the side of a tub. This section is cut on the line 1—1 of Fig. 2. Fig. 2 is a front elevation of the spout. Fig. 3 is a rear elevation of the same. Fig. 4 is a side elevation of the spout in position for being drawn into rigid contact with the washing machine tub. Fig. 5 is a longitudinal, sectional view of the device secured in position relative to the tub, and Fig. 6 is a top view of a modified form of the device, which is shown curved to fit the contour of the tub. In other respects it is like the form of the device shown in the other figures.

Referring to the accompanying drawings, the numeral 10 refers to a portion of one side of the tub, and the numeral 11 to an opening extending through said portion. I have provided a spout having a curved body portion 12 which has a semi-circular projection 13 at its rear end designed to engage that portion of the tub 10 immediately outside of the outlet opening 11, as shown clearly by Fig. 1 of the drawings.

Extending outwardly from the semicircular projection 13 and slightly in front of its rear surface is a flange 14 having two wings 15 and 16 thereon. In each of the wings 15 and 16 I have provided a screw opening 17 which extends first forwardly from the flange 14, and then rearwardly to provide a suitable engagement for the spout against the side 10, and also to provide a suitable forward rest for the head of the screw. The said flange and the semicircular projection are so constructed and proportioned relatively to each other that when the spout is placed against the side of a wooden tub surrounding the opening therein, and screws are placed in the openings 17, and forced inwardly to their limit, the semicircular projection will enter the wood far enough to permit the body portion of the flange members 14, 15 and 16 to lie flat against the side of the tub. By this arrangement it is obvious that the semicircular projection 13 will be seated in such a manner as to form a water tight joint between the spout and the tub.

In practical use, this spout is of great advantage, owing to its lightness of construction, and also to the fact that a tight fitting is provided on account of its construction with the wooden portion of the tub to which it is designed to be secured.

In the modified form of the device, the flange 14 and the semi-circular projection 13 are slightly curved to fit the contour of the tub.

Having thus described my invention, what I claim and desire to secure by Letters Patent of the United States, therefor is—

1. A spout formed by a single piece of sheet metal, and comprising a curved spout body portion, a flange at the inner end thereof and having screw openings therein, the material between the spout and flange being formed into an inwardly extended projection, semicircular in form to follow the outline of the spout and designed to be seated into the material to which the spout is applied when the flange is forced to position against the material to which the spout is applied.

2. In a spout, a curved body portion, a substantially semi-circular projection at the

inner end of the curved body portion, designed to seat slightly into the side of a tub and to partially surround an outlet opening through said side, a flange slightly in front of the rear surface of the substantially semi-circular projection, designed to fit against the side of the tub when the projection enters it, and means for securing the spout in position relative to the side of the tub.

Des Moines, Iowa, Dec. 19, 1906.

EDWARD L. WATROUS.

Witnesses:

S. F. CHRISTY,

M. E. BENNETT.