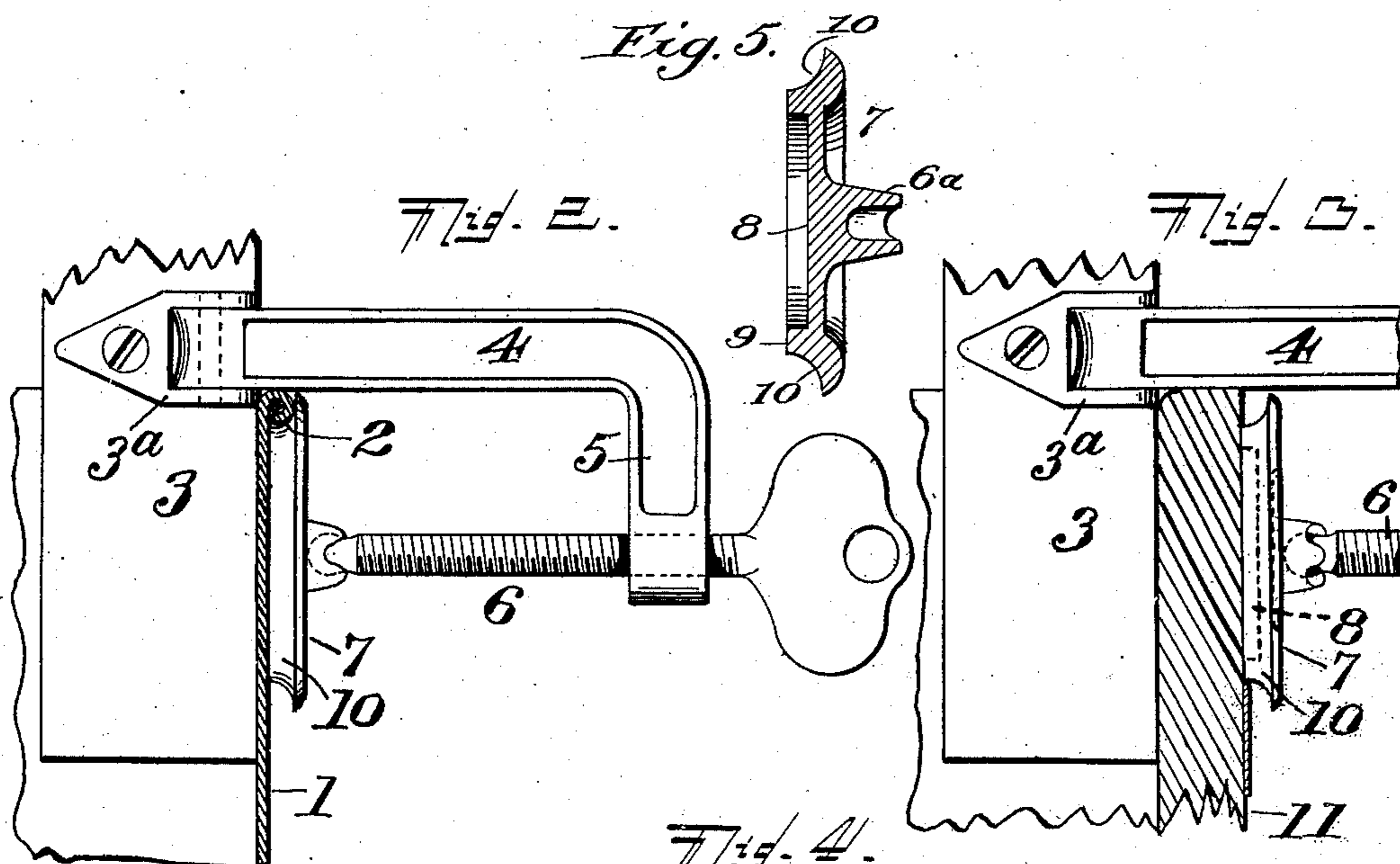
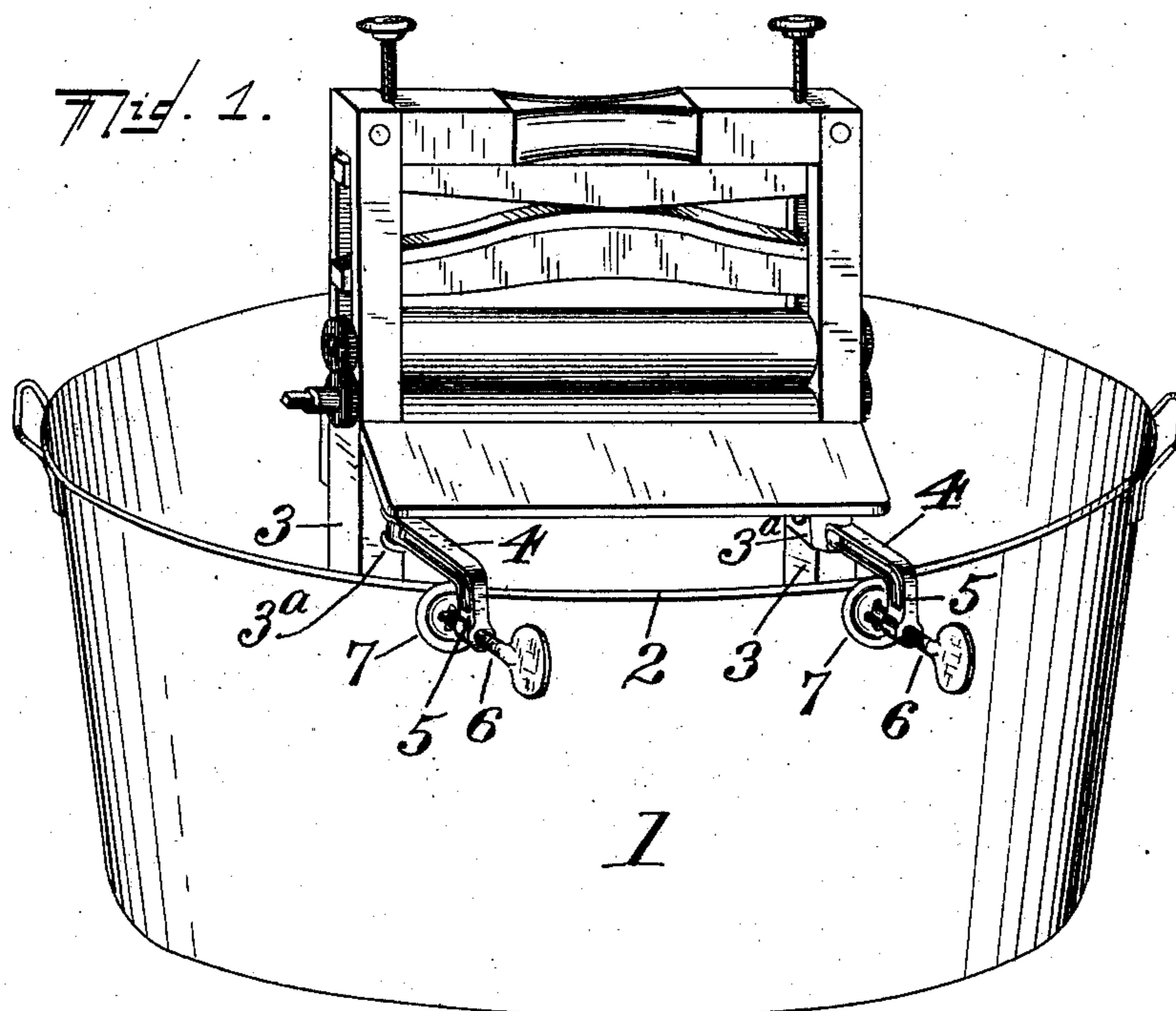


No. 850,584.

PATENTED APR. 16, 1907.

G. H. JANTZ.  
CLOTHES WRINGER CLAMP.  
APPLICATION FILED MAY 11, 1905.



Witnesses  
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# UNITED STATES PATENT OFFICE.

GUSTAVE H. JANTZ, OF WYOMING, OHIO.

## CLOTHES-WRINGER CLAMP.

No. 850,584.

Specification of Letters Patent.

Patented April 16, 1907.

Application filed May 11, 1905. Serial No. 260,035.

*To all whom it may concern:*

Be it known that I, GUSTAVE H. JANTZ, a citizen of the United States of America, and a resident of Wyoming, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Clothes-Wringer Clamps, of which the following is a specification.

This invention relates to a certain improvement in clothes-wringer clamps for use on the beaded rims of washtubs; and it consists in the combination, with a clamp-arm having a fastening thumb-screw, of a circular disk or bearing-plate centrally swiveled on said thumb-screw and having a circumferential concavity or arc-shape groove along the inner edge of its periphery or rim, a countersunk inner face, a projecting circular edge or flange made integral with the disk on its said inner face and adapted to contact with the outwardly-beaded edge of the tub, all as will be hereinafter fully set forth.

In the accompanying drawings, which serve to illustrate my invention herein, Figure 1 is a perspective view showing an ordinary metal washtub having the usual outwardly-beaded edge or rim and with a clothes-wringer about to be lowered and fully clamped in place thereon for use; Fig. 2, a longitudinal elevation of the clamp device, showing it attached to the lower fragmentary portion of a wringer and with its contacting disk bearing in full position against the outer face of the tub and under the beaded edge of said tub, the latter being shown in cross-section and of a fragmentary portion only; Fig. 3, a view similar to Fig. 2, but showing the manner in which the clamp device is adapted for use on an ordinary wooden tub that has no beaded edge, the clamp-arm and the thumb-screw being shown broken off; Fig. 4, an elevation showing the inner face or back of the disk that contacts with the outer face of the tub; and Fig. 5, a central axial section of the disk, bringing to view more clearly than the other views the said disk that embodies the essential features of my invention.

In these views, 1 indicates the upright side or cylindrical portion of a metal tub having the customary outwardly-beaded upper edge or rim 2.

3 indicates each one of the usual pair of the ordinary vertical posts of a clothes-wringer having a bracket or clip 3<sup>a</sup> attached thereto near its lower end, and 4 is an arm pivotally projecting from said bracket or clip and having at its outer end an integral pendent arm 5, projecting at a right angle thereto.

6 is the usual horizontal thumb-screw engaging the arm 5 and having pivotally attached at its inner end a circular bearing-plate or disk 7. The disk 7 has a central swivel socket 6<sup>a</sup> on its outer face for accommodating the inner end of the screw 6, and it has on its inner face or back a countersunk portion 8, whereby an integral circular bearing edge or contacting annular flange 9 is provided for intimate close frictional contact with the outer face of the tub.

10 represents an arc-shape groove or concavity constructed circumferentially along the inner edge of the rim or periphery of the disk 7, such arc-shape concavity adapting itself to intimately seat around the side and bottom of the outwardly-projecting round beaded rim 2 of the tub, as best seen in Fig. 2, thus preventing any slipping or shifting of the wringer from place. Said arc shape of the concavity corresponds to the rounded face of the beaded rim 2 for proper seating, as stated, and free reciprocatory movement of the disk to and from place against the face of the tub is assured owing to the manner in which the thumb-screw is swiveled to the disk and the freedom of contact of the periphery of the disk with the lower face of the arm 4, as also seen in said Fig. 2 and in Fig. 3.

As best seen in Fig. 5, the disk 7, together with its contacting flange 9 and arc-shape grooved periphery are made integral or of one piece of metal or of suitable material that may be readily and economically made and adapted to use. This construction of disk is preferred and is essential to my invention, as the contacting flange 9 cannot be displaced nor compressed in the action of the clamping-screw, as is obvious.

I claim—

1. In a device of the character described, a disk or bearing-plate comprising a single circular piece of material whose contacting face is annular or circular in form and projects from the back of the disk and has at one side thereof a circumferential arc-shape groove and at the other side a concavity.

2. A clothes-wringer clamp comprising an arm, a thumb-screw carried by and engaging a threaded opening in said arm, and a disk or swiveled bearing-plate comprising a single  
5 circular piece of material having the inner, peripheral edge of its circular contacting face circumferentially concaved in arc shape and, also, having an integral socket on its

outer face for accommodating the inner end of the said thumb-screw.

Signed at Cincinnati, Ohio, this 1st day of  
May, 1905.

GUSTAVE H. JANTZ.

Witnesses:

JOHN ELIAS JONES,  
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