Oct. 28, 1924. 1,512,913

J. C. DUGAN

TUB LOOSENER

Filed June 25, 1924

Fig. 1.

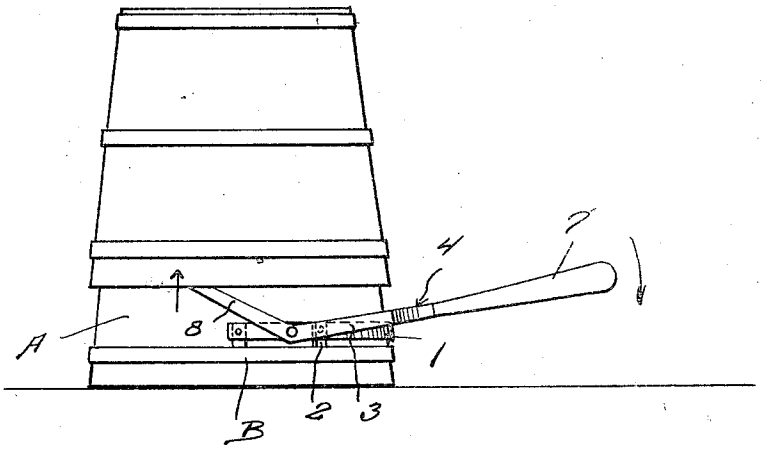
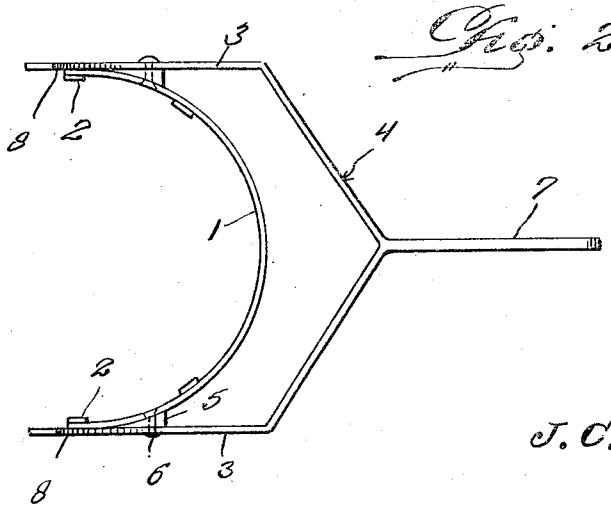


Fig. 2.



J. C. Dugan,
Inventor

By Clarence A. O'Brien.
Attorney

Patented Oct. 28, 1924. 1,512,913

UNITED STATES PATENT OFFICE.

JOSEPH C. DUGAN, OF ST. JAMES, MINNESOTA.

TUB LOOSENER.

Application filed June 25, 1924. Serial No. 722,318.

To all whom it may concern:

Be it known that I, JOSEPH C. DUGAN, a citizen of the United States, residing at St. James, in the county of Watonwan and State of Minnesota, have invented certain new and useful Improvements in a Tub Loosener, of which the following is a specification.

This invention relates to new and useful improvements in means for loosening superimposed tubs or buckets whereby the same may be readily separated and removed for further use.

Another important object of the invention is to provide a tub loosening device of the above mentioned character, which may be readily and easily placed in position and will furthermore be positive in its action.

A further object is to provide a tub loosener of the above mentioned character, which is simple in construction, inexpensive, strong and durable and furthermore adapted for the purposes for which it is designated.

Other objects and advantages of this invention will become apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals designate like parts throughout the same:

Figure 1 is a side elevation of my invention showing the same in use, and

Figure 2 is a top plan view thereof.

It is customary in the shipment of tubs or buckets to place one on top of another and oftentimes difficulty is experienced in separating the buckets whenever it is desired to use the same. The present invention therefore provides a means whereby superimposed buckets or tubs may be separated from each other in a comparatively simple and efficient manner.

In the drawing wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates the base member which is preferably formed of metal and is substantially arcuate to conform to the contour of the tub or bucket designated by the letter A. Secured to the inner face of the arcuate base 1 adjacent the free ends thereof are the supporting or bearing lugs 2. The purpose of these lugs is to provide a means for engagement with the usual hoop B which extends around the tub or bucket A whereby the arcuate supporting base 1 is spaced therefrom.

Pivotally supported on the arcuate base 1 adjacent the free ends thereof are the laterally extending arms 3 of the forked shaped lever 4. The pivotal connection comprising a block 5 and the rivet 6 in the manner more clearly illustrated in Figure 2.

The handle of the forked shaped lever 4 is designated at 7 in the drawing. The laterally extending arms of the forked shaped lever which are pivotally supported on the outer face of the base 1 terminate in the upwardly inclined extensions 8. The upwardly inclined extensions extend beyond the outer ends of the arcuate base 1 and are adapted to have their upper ends engage the bottom of the superimposed tubs in the manners clearly illustrated in Figure 1.

With the parts arranged as shown in Figure 1 of the drawing, by actuating the handle 7 of the forked shaped lever 4 in the direction of the arrow, the upwardly inclined portion 8 will force the uppermost tub or bucket upwardly out of engagement with the adjacent interfitting tubs or buckets, the lugs 2 bearing against the hoops B on the tub or bucket A for properly supporting the base against movement during the operation of the forked shaped lever.

The provision of a device of the character above described will enable a person to readily and easily separate superimposed tubs or buckets and the device is further of such a construction as to enable the same to be quickly and easily placed in an operative position.

While I have shown the preferred embodiment of my invention, it is to be understood that various changes in the size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention and the scope of the appended claims.

Having thus described the invention, what I claim is:—

1. Means for separating superimposed receptacles, comprising a base member extending around the lower receptacle, a forked shaped lever pivotally supported on the base member, the free ends of the arms of the forked shaped member being inclined upwardly and adapted for engagement with the bottom of the upper receptacle.

2. A device for separating superimposed receptacles comprising an arcuate base member adapted to extend around the lower receptacle, bearing lugs depending from the base member adjacent the ends thereof, a fork shaped lever having laterally extending arms pivotally associated with the base member adjacent the ends of the latter, said laterally extending arms terminating in upwardly inclined extensions adapted for engagement with the bottom of the upper receptacle.

In testimony whereof I affix my signature.

JOSEPH C. DUGAN.