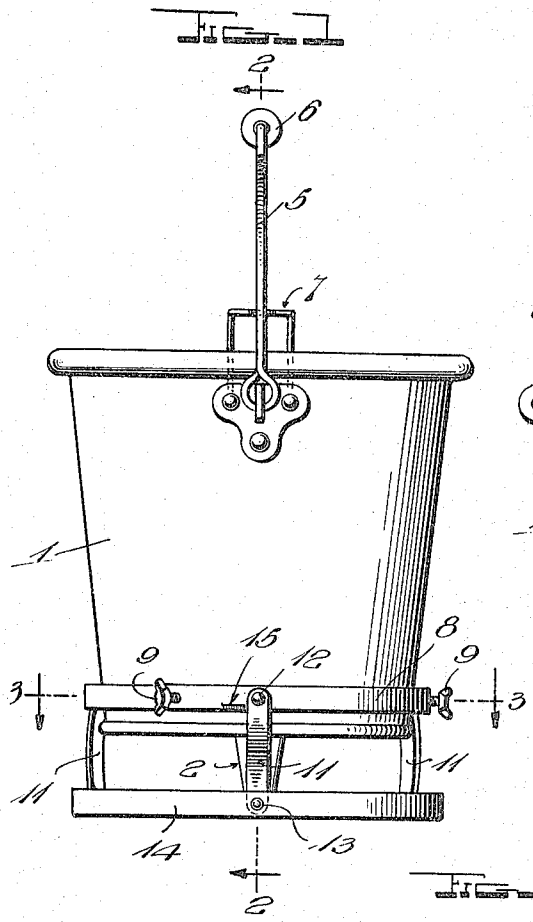
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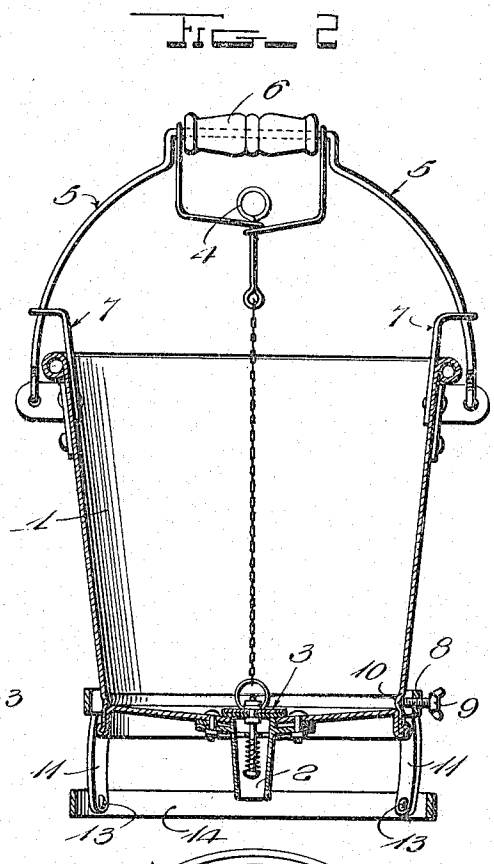
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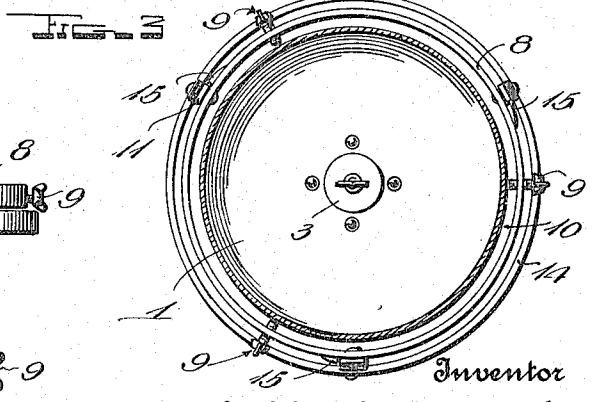
W. W. KIRKPATRICK

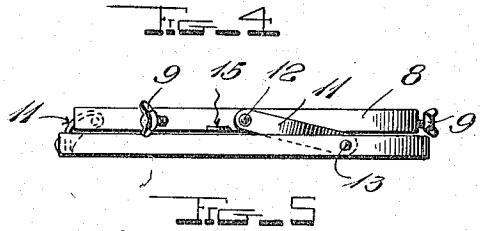
FOLDING BUCKET SUPPORT

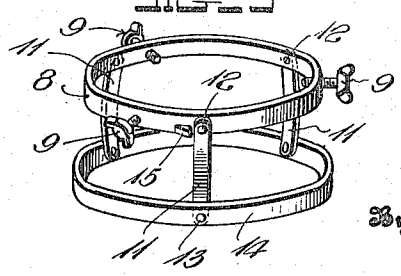
Filed May 23, 1924











Inventor

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By H. B. Williamson & Co

Attorneys

Patented Nov. 25, 1924. 1,517,074

UNITED STATES PATENT OFFICE.

WILLIAM W. KIRKPATRICK, OF HYDRO, OKLAHOMA.

FOLDING BUCKET SUPPORT.

Application filed May 23, 1924. Serial No. 715,308.

To all whom it may concern:

Be it known that I, WILLIAM W. KIRKPATRICK, a citizen of the United States, residing at Hydro, in the county of Caddo and State of Oklahoma, have invented certain new and useful Improvements in Folding Bucket Supports; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Certain forms of buckets, commonly known as "bucket funnels" are provided with a valved discharge nipple at the bucket bottom which may be opened at will by a control adjacent the bail, so that the contents of the bucket may be discharged after being carried from one point to another. It is often very desirable to rest buckets of this character on the ground or some other support at times, but the discharge nipples interfere and hence this cannot be done. It is the object of my invention however, to provide a novel form of folding support which may be attached to buckets of the type set forth, or to other types of containers if desired, the support when unfolded for use, being such that it will permit the bucket to be set down whenever desired, without its discharge nipple contacting with the ground or other supporting surface. When the support is folded, however, it is in a plane above the lower end of the discharge nipple so that it will not prevent the bucket from being disposed close to a container into which its contents are to be discharged.

Another aim of the invention is to provide a bucket support of the type set forth which is extremely simple and inexpensive, may be easily attached or detached, and may be quickly and easily folded or extended, as occasion may require.

With the foregoing in view, the invention resides in the novel subject matter hereinafter described and claimed, the description being supplemented by the accompanying drawing.

Figure 1 is a side elevation showing the application of the invention to a bucket funnel.

Figure 2 is a vertical sectional view on line 2—2 of Fig. 1.

Figure 3 is a horizontal section on line 3—3 of Fig. 1.

Figure 4 is a side elevation of the support detached from the bucket, showing it in folded position.

Figure 5 is a perspective view of the support in extended position.

I have shown my invention in connection with a bucket 1 whose bottom is provided with a discharge nipple 2 having a valve 3 controlled by a finger-ring 4, suitably mounted on the bucket bail 5, under its handle 6. Suitable spring catches 7 have been shown to hold the bail in vertical position and prevent upward pull on the ring 4 from angling it with respect to the bucket, when only a small amount of liquid is in the latter.

In the construction shown, the support which constitutes the present invention, includes an upper ring 8 which is adapted to be suitably secured to the lower end of the bucket 1 or any other desired container. Preferably, this ring is provided with set-screws 9 whose ends are adapted for reception in the usual external groove 10 in the bucket wall, immediately above the bottom of said bucket. A plurality of legs 11 are pivoted at 12 to the ring 8, on radial axes, and the ends of these legs, remote from the pivots 12, are similarly pivoted at 13 to a base ring 14. The ring 14 is preferably considerably larger than the ring 8, and the legs 11 are disposed at the inner side of said ring 14, but at the outer side of the ring 8. Thus, when the two rings are relatively turned in the proper direction, the legs will swing downwardly from the position shown in Figs. 1, 2 and 5, to the position shown in Fig. 4, so that the entire support is compactly folded. When so folded, the ring 14 projects beyond the ring 8, so that the operator may hold it down with his feet and pull upwardly upon the bucket bail, when the support is to be extended for use. After this upward pulling, the bucket is turned to the proper extent with respect to the base ring 14, so that the legs 11 move to upright positions, in which positions they strike stop noses 15 on the ring 8.

It will be seen from the foregoing that the support is extremely simple and inexpensive, that it may be quickly and easily attached or detached, that it may be easily folded or extended for use, and that it will be a very desirable adjunct for bucket funnels and any other containers with which it can be used. As excellent results

are obtainable from the details disclosed, they may well be followed, but within the scope of the invention as claimed, numerous minor changes may be made.

I claim:

1. The combination with a bucket having a downwardly projecting discharge nipple; of a vertically movable bucket support connected with the lower end of said bucket and downwardly extensible to a position at which it will support said nipple above the ground.

2. A foldable support comprising a base ring, legs pivoted at one end thereto on radial axes, and means for pivotally connecting the other ends of said legs to the lower end of the bucket on radial axes, whereby relative rotation of the bucket and ring will swing the legs toward or from operative positions.

3. A foldable support comprising a base ring, an upper ring adapted to be secured around the lower end of a bucket, legs whose ends are pivoted on radial axes to said rings respectively, whereby relative turning of the two rings will swing the legs toward or from horizontal positions, and at least one stop carried by one ring in the path of one of the legs to limit the relative movement of the legs and rings when the former reach operative positions.

4. A structure as specified in claim 3; said base ring being disposed at the outer sides of the legs and being relatively large, the upper ring being positioned at the inner sides of said legs and being comparatively small, whereby the base ring is readily accessible and may be held down with the user's feet when unfolding the support.

In testimony whereof I have hereunto affixed my signature.

WILLIAM W. KIRKPATRICK.