

C. G. MINER.
COVER RELEASING MEANS.
APPLICATION FILED NOV. 5, 1908.

930,306.

Patented Aug. 3, 1909.

Fig. 1.

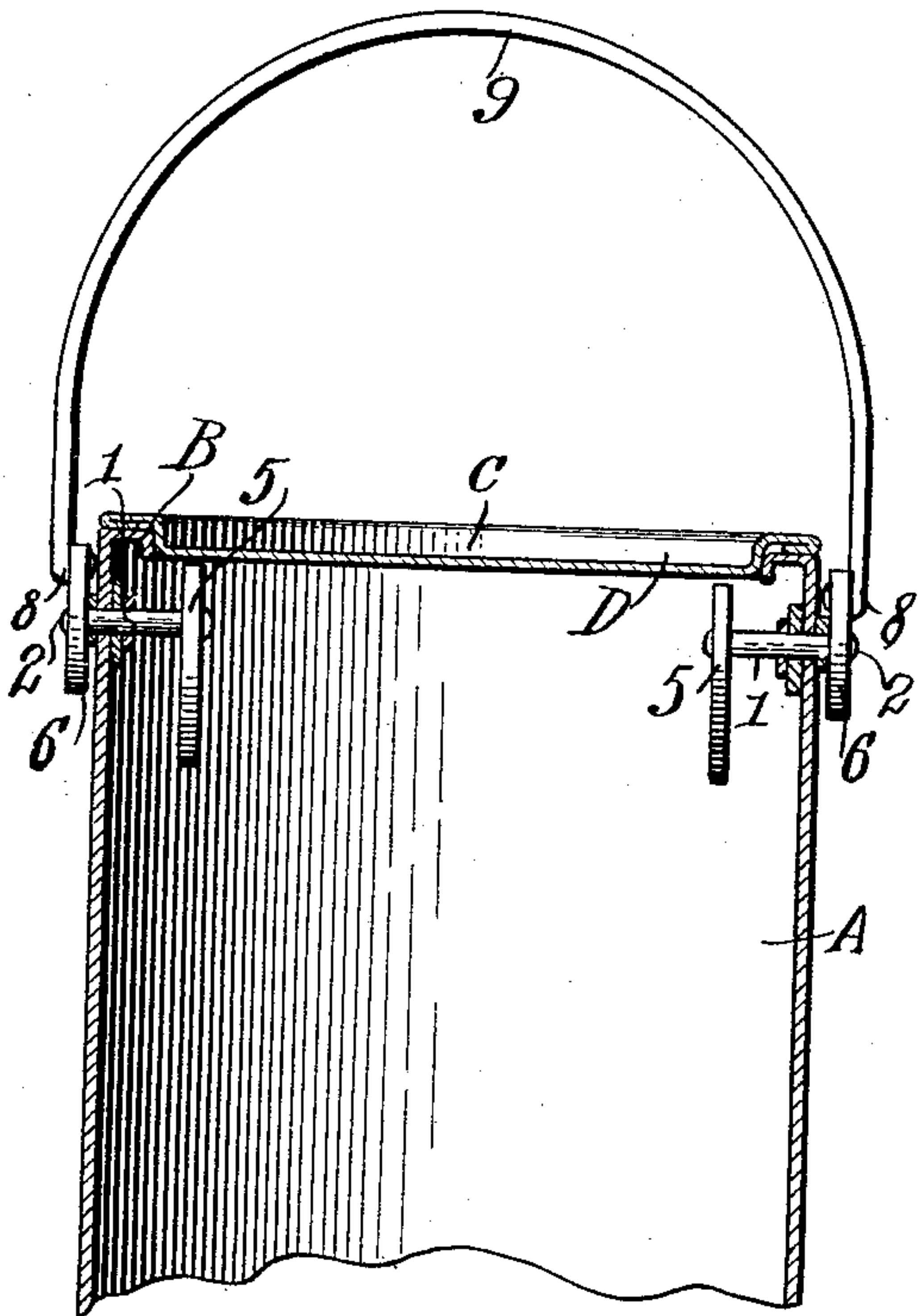


Fig. 2.

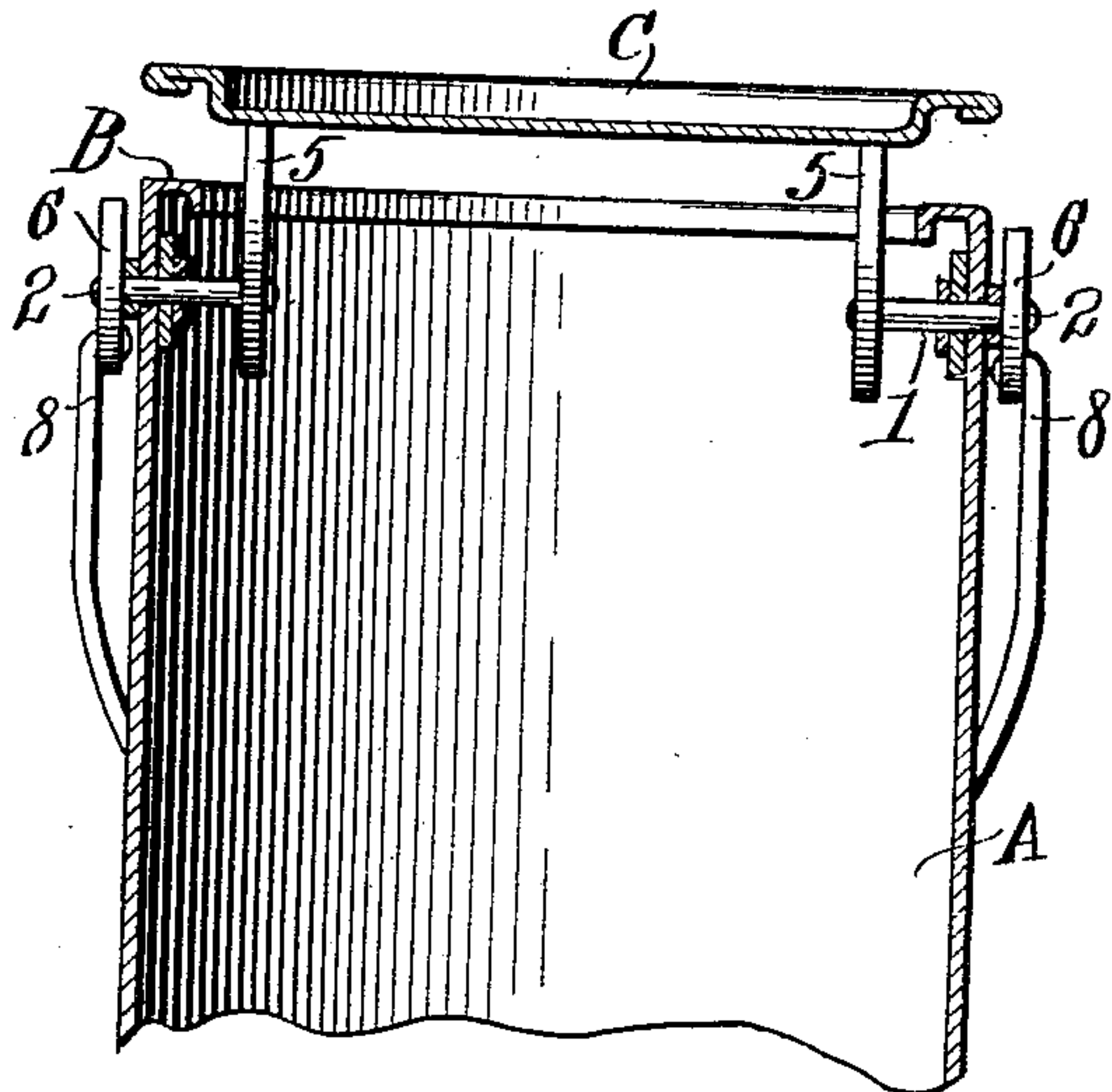


Fig. 3.

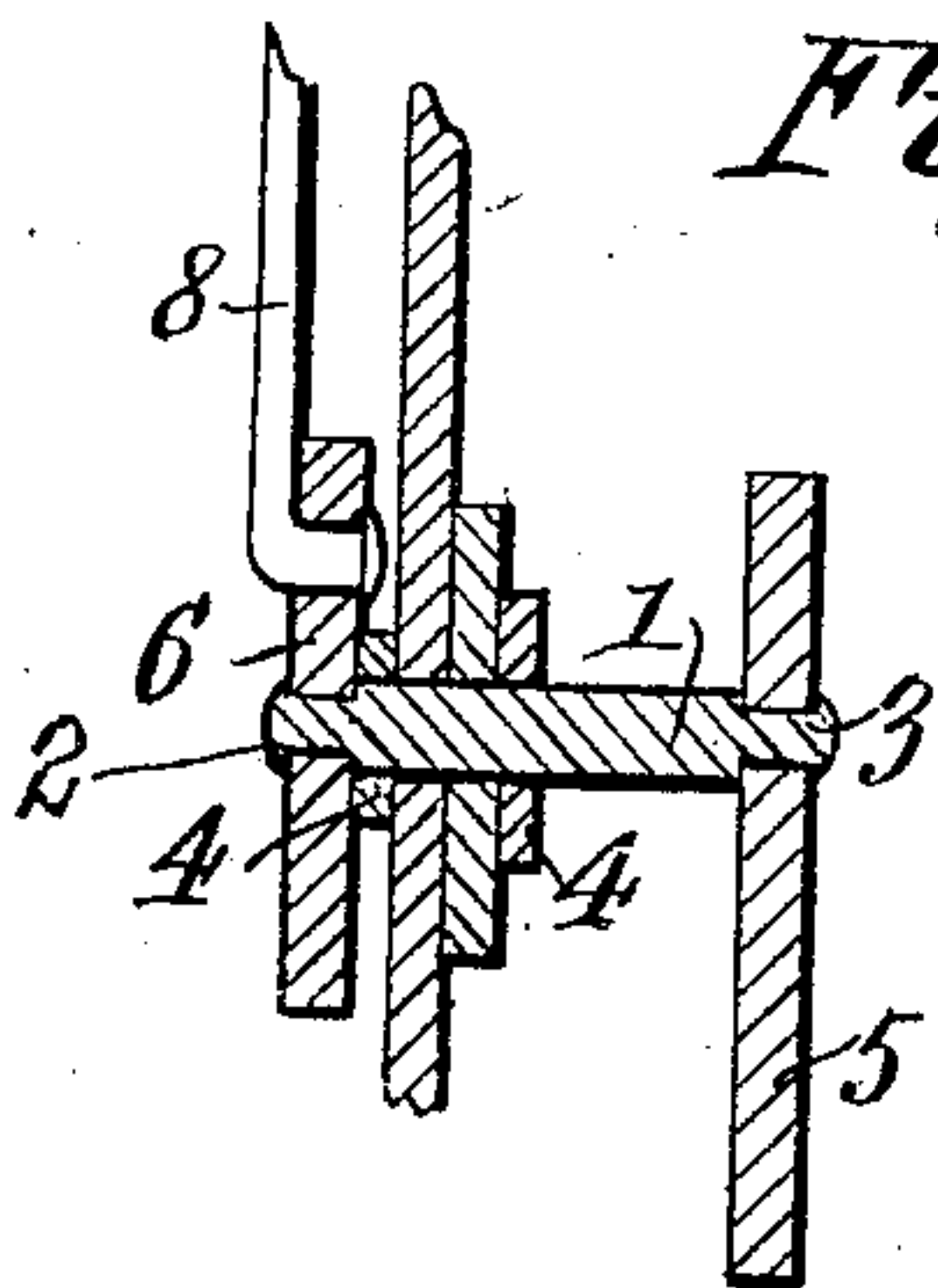
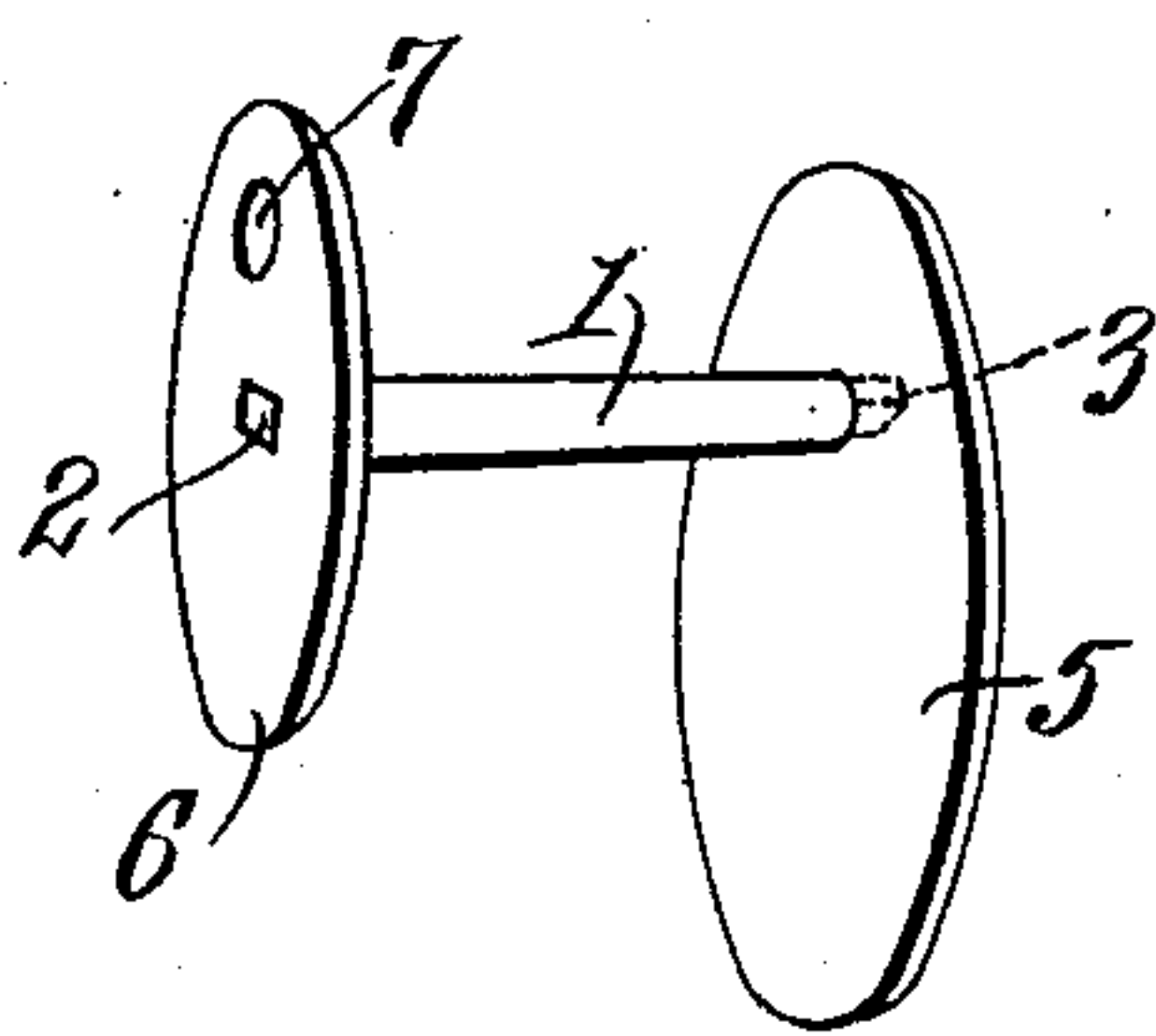


Fig. 4.



Witnesses

W. C. Linton.

Samuel A. Linton

Inventor

Claude G. Miner.

By *Victor J. Evans*

Attorney

UNITED STATES PATENT OFFICE.

CLAUDE G. MINER, OF NEW RICHMOND, WISCONSIN.

COVER-RELEASING MEANS.

No. 930,306.

Specification of Letters Patent.

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Application filed November 5, 1908. Serial No. 461,235.

To all whom it may concern:

Be it known that I, CLAUDE G. MINER, a citizen of the United States, residing at New Richmond, in the county of St. Croix and State of Wisconsin, have invented new and useful Improvements in Cover - Releasing Means, of which the following is a specification.

This invention relates to cover releasing means for receptacles and is particularly desirable in connection with pails or buckets and has for an object to provide a device of this character which may be operated when the bail of the bucket or pail is actuated to effectively move the cover out of engagement with the said pail or bucket.

A further object of this invention is to provide a device of this character that can be applied to cans or receptacles of the well known form without materially changing their construction or injuring the same.

Other objects and advantages will be apparent as the nature of the invention is better disclosed and it will be understood that changes within the scope of the claims may be made without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals indicate similar parts in the several views, Figure 1 is a vertical section through a pail or receptacle showing the application of the invention thereto, the cover of the pail being in its closed position. Fig. 2 is a similar view showing the device when operated to release the cover. Fig. 3 is a detail sectional view through the stud and the cover releasing disk and bail ear. Fig. 4 is a detail perspective view of the device detached from the can.

Referring now more particularly to the drawings there is shown a can A with an annular flange B at the upper end thereof. The said flange B surrounds the opening in the top of the can, and the said opening is closed by a cover C having an annular flange D to frictionally engage the said flange B. The can is provided at opposite points thereof adjacent to its upper end with studs 1, and as shown, the said studs are mounted to the can for pivotal movement. The said studs are provided with squared reduced

ends 2 and 3. The said studs are provided at each side of the wall of the can with washers 4 or the like which provide an air tight connection. The squared portions 3 of the said studs 1 have eccentrically mounted thereto disks or similar elements 5 preferably of metal, and the portions 2 of the said studs have mounted thereon disks or bail ears 6, which are provided with apertures 7 for receiving the ends 8 of a bail 9.

Upon reference to Fig. 1 of the drawings it will be seen that the normal position of the bail is vertical and that when in this position the disks or ears 6 are rotated to the extent that the disks or elements 5 are normally disengaged with the cover C. When it is desired to remove the cover, the bail 9 is pushed downwardly to the extent that the studs 1 are rotated so as to revolve the disks or elements 5 and by reason of the fact that they are eccentrically mounted to the studs they will engage the cover C and lift the same as shown in Fig. 2 of the drawings so that it may be lifted from the can.

It will be seen that a simple and inexpensive device is provided which may be effectively connected with cans, pails or receptacles of any character wherein are provided covers adapted to frictionally engage portions of the said cans to hold them in their locked position.

Having thus fully described the invention, what is claimed as new, is:—

1. A receptacle having a bail, a cover for said receptacle, revoluble ears for the bail ends, and means carried by the said ears adapted to release the cover when the bail is moved to lie at one side of the said receptacle.

2. A receptacle having eccentrically mounted elements, concentrically mounted pivotal ears, a bail connected with said ears, and a cover for said receptacle adapted to be released and moved upwardly away from the top of said receptacle by said eccentrically mounted elements when the bail is at one side of the receptacle.

3. A bucket provided with a removable cover, revoluble studs engaged with walls of the bucket and disposed opposite to each other, disks of cam form secured to the inner ends of the studs disposed directly beneath

portions of the cover, bail ears secured to the
outer ends of the studs, and a bail eccentric-
ally pivoted at its ends to the ears adapted
to be moved downwardly at one side of the
5 bucket to revolve the studs so that the disks
are brought into engagement with the cover
to release the same from the bucket.

In testimony whereof I affix my signature
in presence of two witnesses.

CLAUDE G. MINER.

Witnesses:

D. W. WILLIAMS,
R. W. MCCOY.