

(No Model.)

J. T. DENNY.  
BUCKET.

No. 366,653.

Patented July 19, 1887.

Fig. 1.

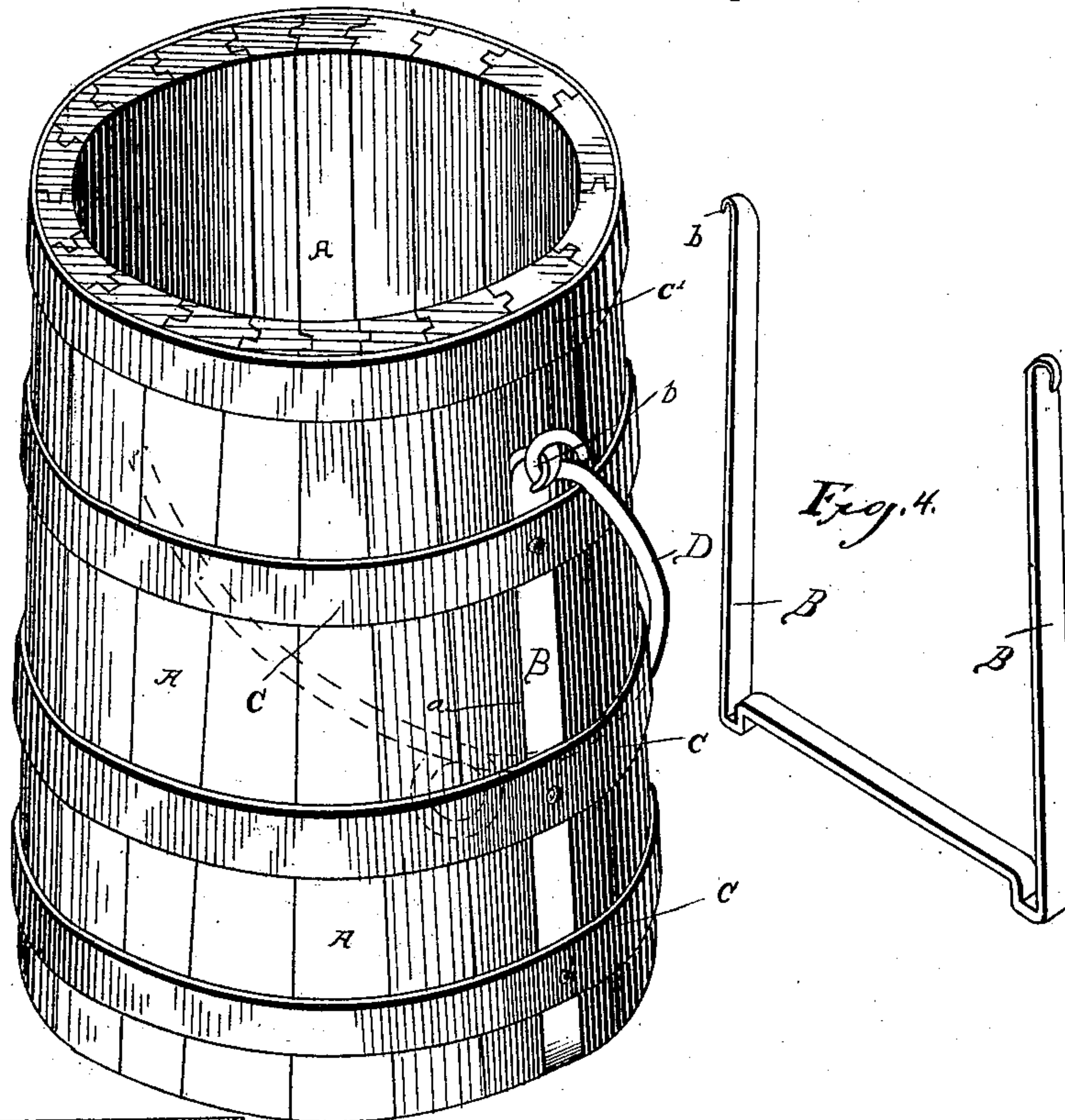


Fig. 4.

Fig. 2.

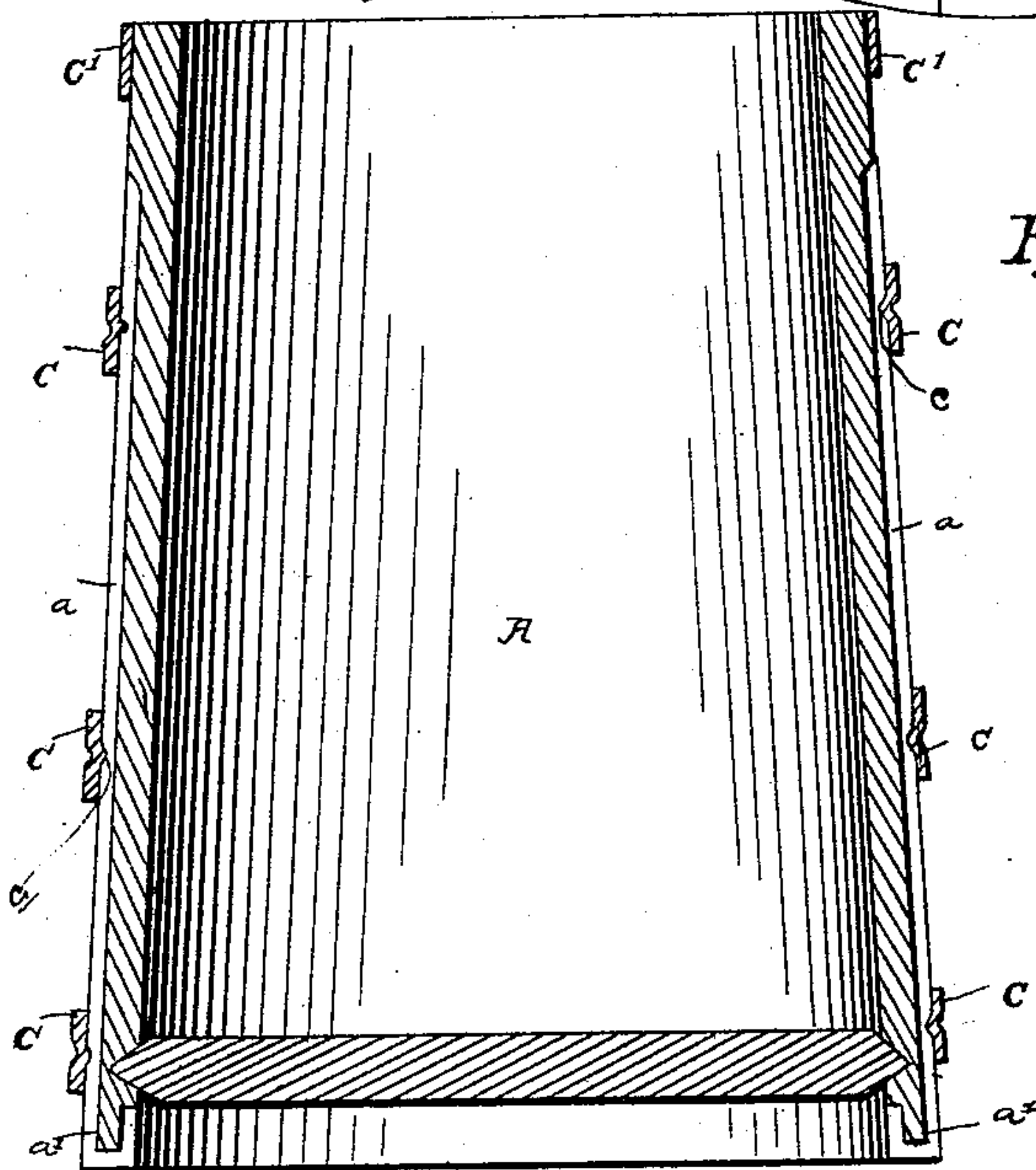
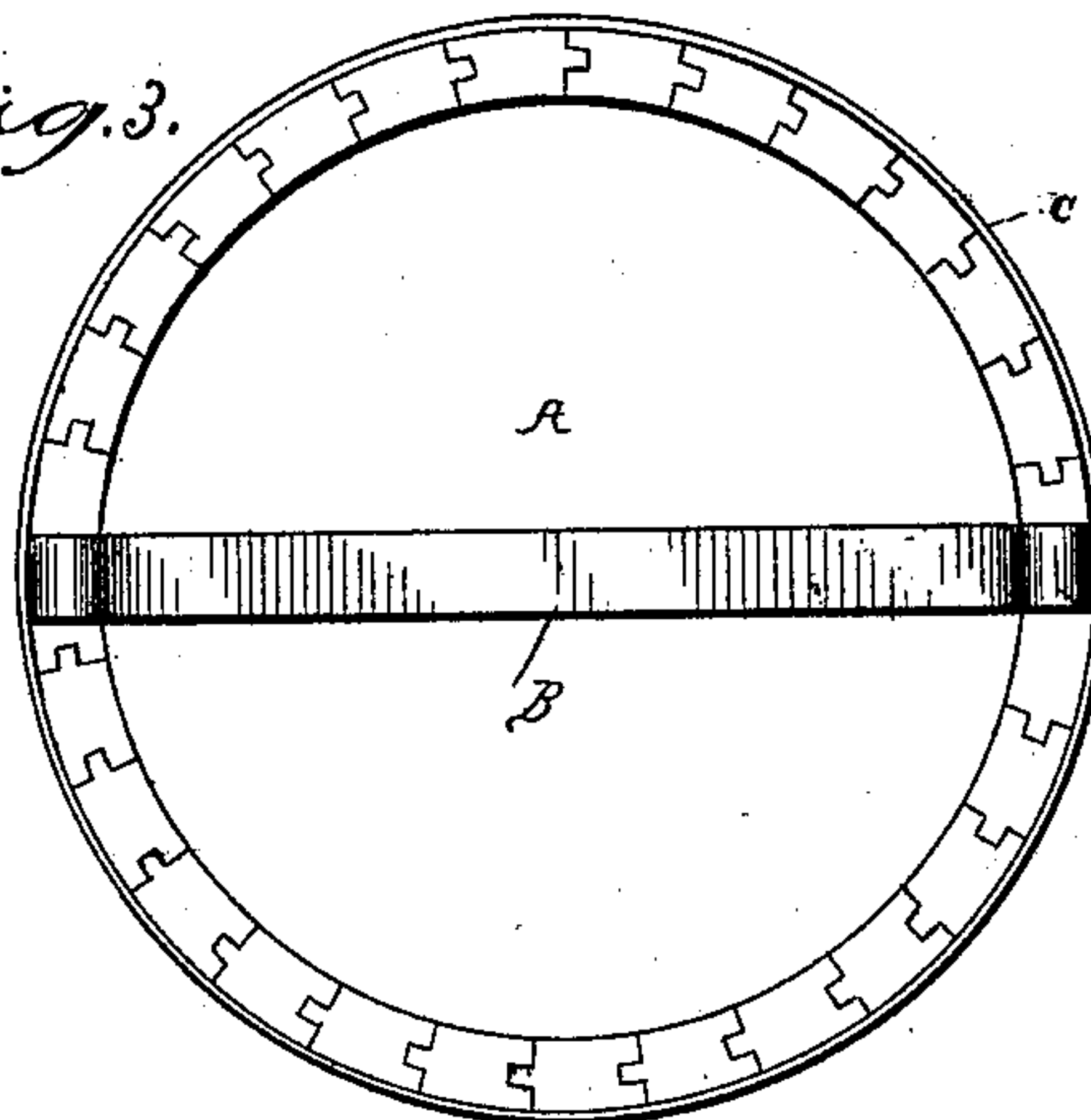


Fig. 3.



Witnesses  
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# UNITED STATES PATENT OFFICE.

JOHN THOMAS DENNY, OF REIDSVILLE, NORTH CAROLINA.

## BUCKET.

SPECIFICATION forming part of Letters Patent No. 366,653, dated July 19, 1887.

Application filed January 31, 1887. Serial No. 296,058. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN THOMAS DENNY, a citizen of the United States, residing at Reidsville, in the county of Rockingham and State of North Carolina, have invented a new and useful Improvement in Buckets, of which the following is a specification.

My invention relates to improvements in buckets and pails, the object being to avoid driving nails, screws, or staples into the walls of the bucket, and thereby affording points where the water can ooze out, thereby rusting the metal and rotting the wood.

The invention consists in the ear-strap sunk into grooves made on the sides and bottom of the bucket and retained in place by means of the hoops, which embrace it as well as the staves.

In the accompanying drawings, Figure 1 represents a perspective view of my improved bucket. Fig. 2 is a central vertical section with the ear-strap removed to show the grooves and notches. Fig. 3 is a bottom plan view, and Fig. 4 is a detail view, of the ear-strap.

Referring to the drawings by letter, A designates the staves and bottom of a bucket set up and having the vertical opposite grooves, *a a*, in the sides and the notches *a' a'* in the chine.

B is the ear-strap, fitting accurately in said grooves and notches and having a contour similar to a central vertical section of the part of bucket over which it extends. The strap, when in place, is flush with the sides. The ends of the strap are bent over on themselves to form the loops or ears *b*, and its central portion crosses the bucket diametrically between the notches, thus helping to strengthen the bottom.

C C are the lower three hoops, which are slipped into place upon the staves and over the ear-strap before the ears *b* have been formed. The hoops are secured to the ear-straps by punching or otherwise, forming a small lug or spur, *c*, on the inner face of the hoop, which spur or lug will engage or bite into the strap, and thereby firmly secure the hoops thereto. The hoops may be secured, however, by rivets or similar means. The top hoop, *C'*, does not surround the ear-strap, as

the latter does not extend up to it, though it might be made so, if desired.

D is the bail, the hooks of which engage in the ears *b*, as shown.

It is evident that by the construction described a very solid, substantial, and compact bucket is made, and that by sinking the ear-straps flush with the sides of the bucket and retaining them in place by the hoops they are more firmly secured than they possibly could be by nails, screws, or staples.

As neither the hoops nor the strap are secured in place by nails, screws, or anything that penetrates the walls, no openings are made for the percolation of water from the inside, which often, by thus penetrating the nail-holes, rusts the metal and rots the wood, so that the bucket soon becomes useless.

I am aware that two ear-straps have been used in conjunction with the hoops; one ear-strap being on each side of the bucket and both situated outside of the hoops. I do not claim such a construction, as I use but one ear-strap bent to conform to the contour of the bucket, and the middle portion of said strap forming a strong re-enforcement to the bottom thereof. Besides, the single strap binds the bucket more firmly together and makes it very strong and compact, so that it would be very hard to separate or disjoint the parts by the roughest usage.

Having described my invention, I claim—

1. In a bucket, the combination of the body provided on its sides with opposite vertical grooves ending below in notches in the chine, the ear-strap having its end bent into ears to engage the hooked ends of the bail, fitting in the grooves and notches flush with the outer surface of the body and crossing the bottom of the bucket between the notches, and the hoops fitted on the body over the ear-strap, so as to retain the latter in place, substantially as specified.

2. The herein-described bucket, composed of the body A, provided with the grooves *a* and notches *a'*, the ear-strap B, provided with the ears *b*, the hoops C C', and the bail D, all constructed and arranged substantially as and for the purpose specified.

3. The combination, with the body of the

bucket, of the ear-strap resting against the  
sides and across the bottom thereof, and the  
hoops arranged over the ear-strap and secur-  
ing it in place, the inner faces of said hoops  
5 having spurs or lugs which bite into the outer  
face of the strap, substantially as specified.

In testimony that I claim the foregoing as my

own I have hereto affixed my signature in  
presence of two witnesses.

JOHN THOMAS DENNY.

Witnesses:

W. B. PALMER,

W. L. WALKER.