

D. C. McCAN.
BUCKET.

APPLICATION FILED OCT. 26, 1909.

978,181.

Patented Dec. 13, 1910.

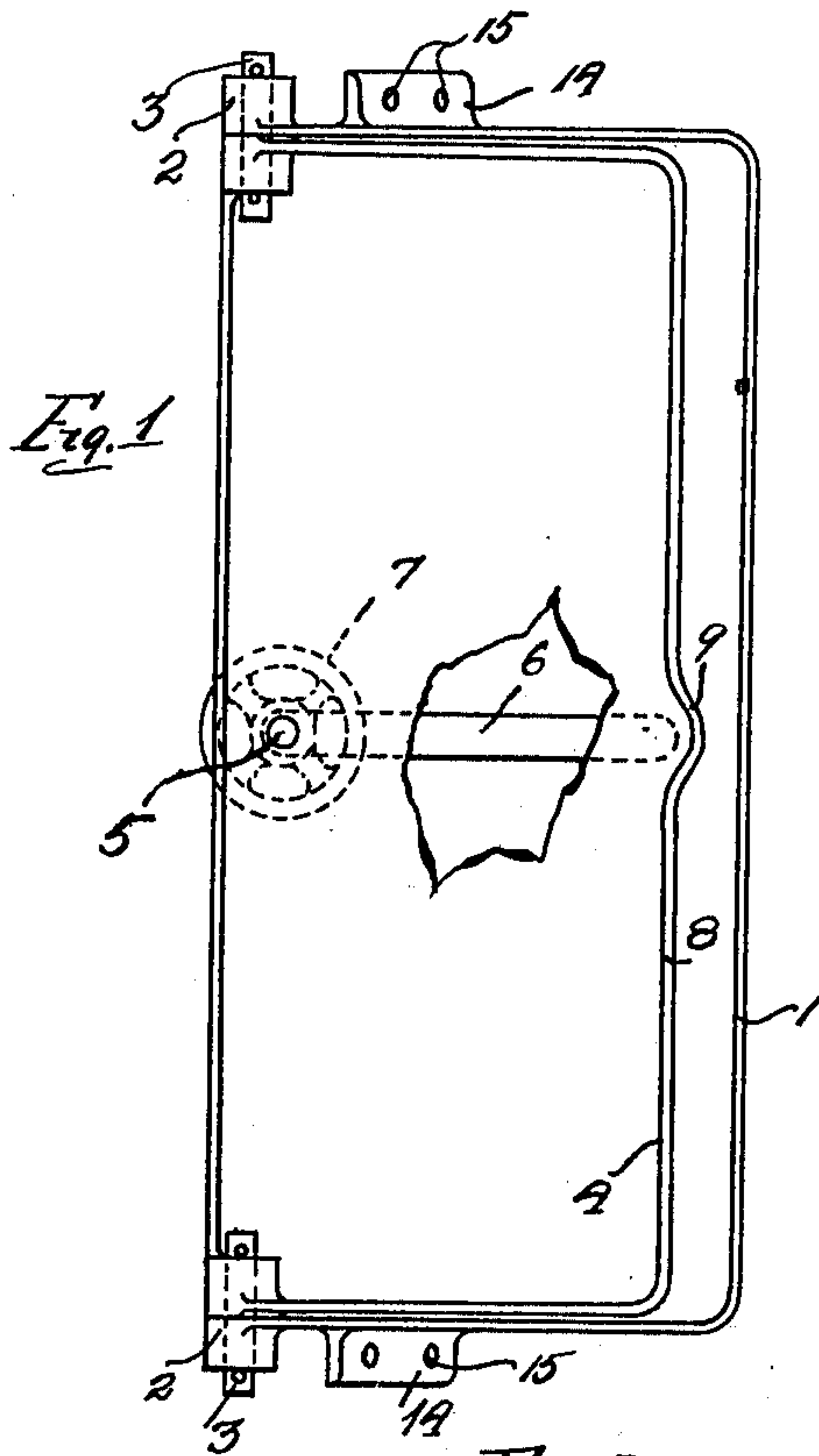


Fig. 2.

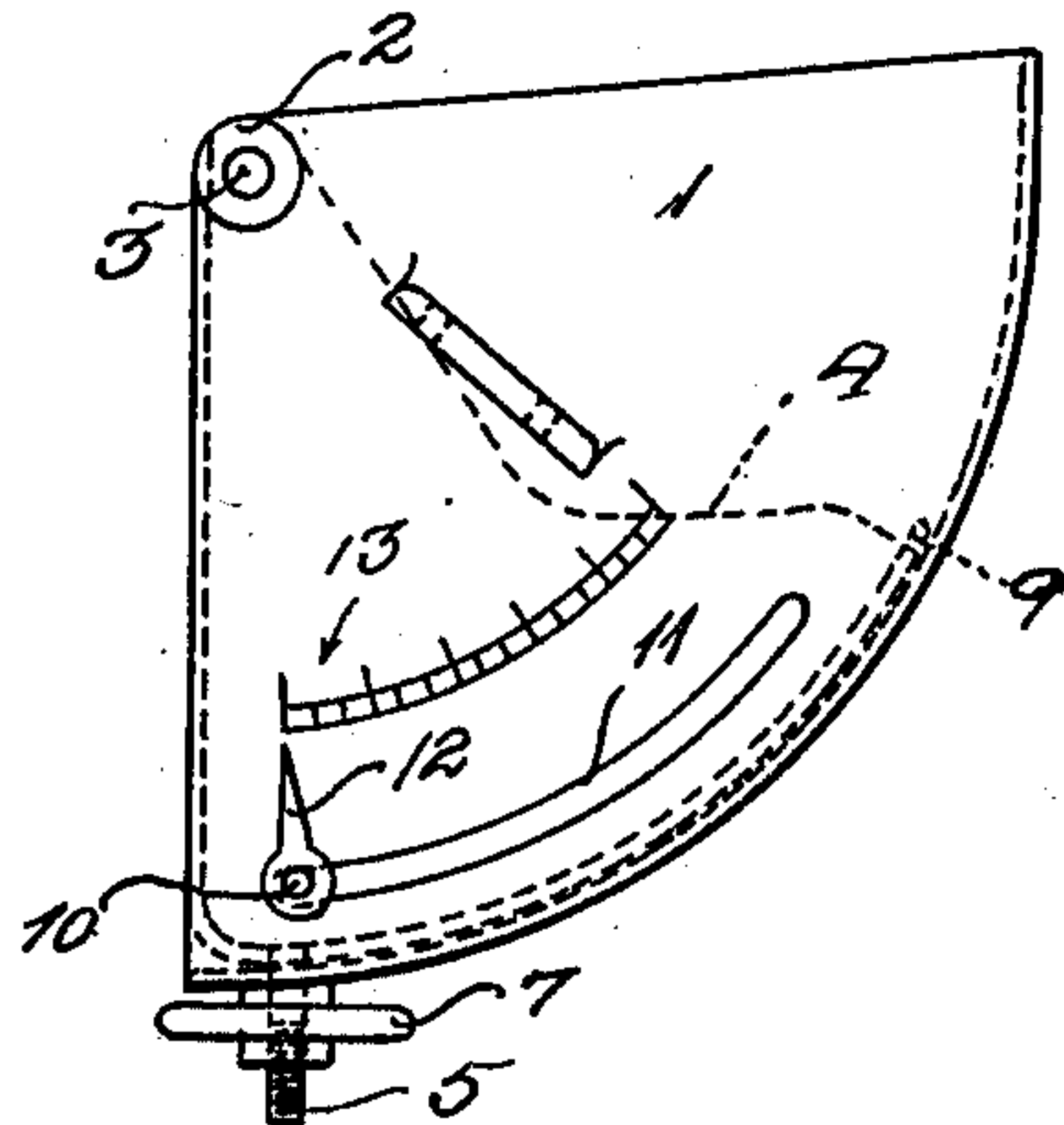
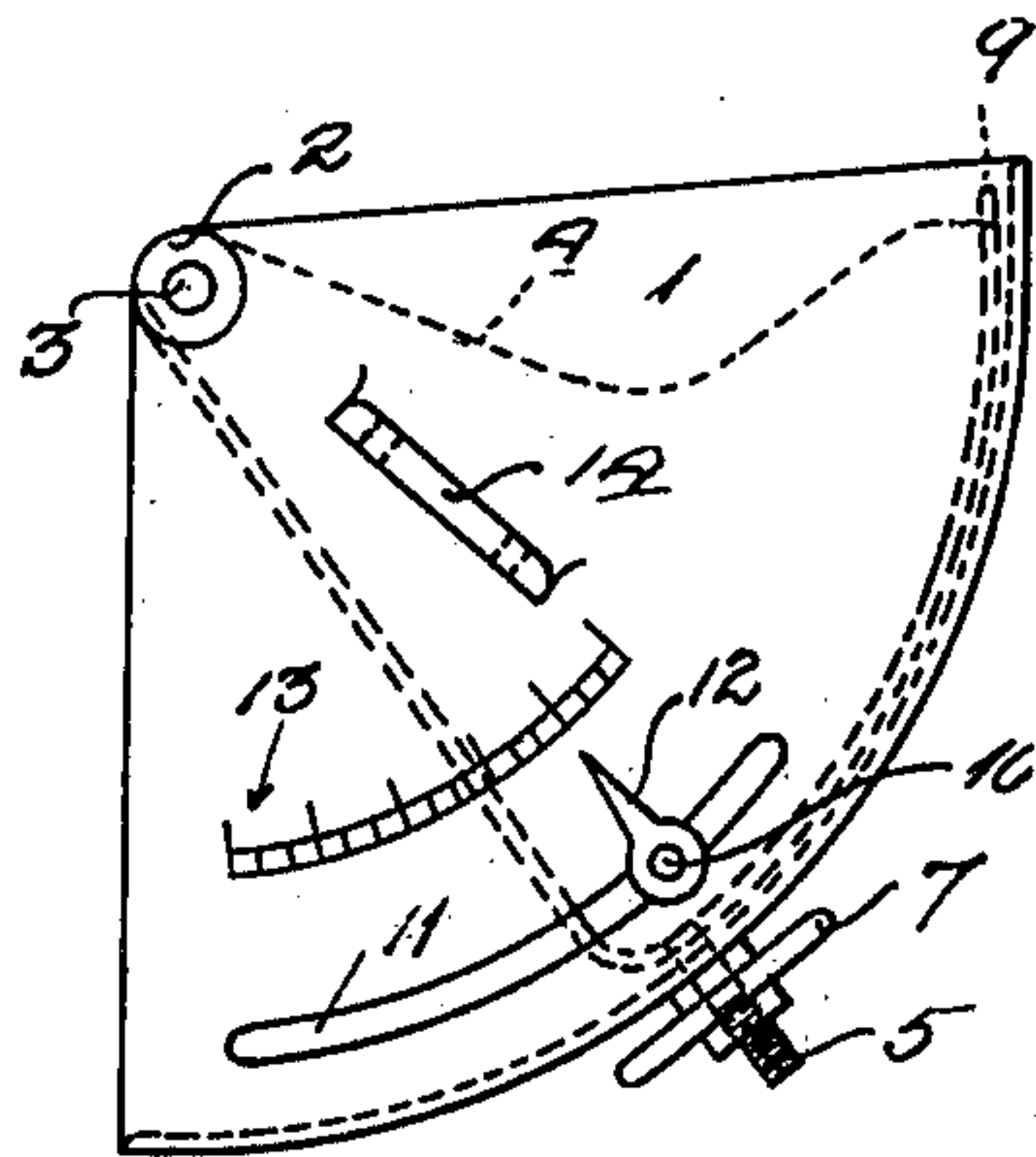


Fig. 3.



Witnesses:
E. M. Buehler
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UNITED STATES PATENT OFFICE.

DAVID C. McCAN, OF LOS ANGELES, CALIFORNIA.

BUCKET.

978,181.

Specification of Letters Patent.

Patented Dec. 13, 1910.

Application filed October 26, 1909. Serial No. 524,716.

To all whom it may concern:

Be it known that I, DAVID C. McCAN, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a certain new and useful Bucket, of which the following is a specification.

This invention relates to a bucket for endless conveyers.

10 An object of this invention is to provide a bucket in which the capacity of the same may be regulated and indicated, as is necessary where only certain quantities of material are to be delivered by each individual bucket on an endless belt or chain.

15 With this and other objects in view, this invention consists of the features, details of construction and combination of parts as will be described in connection with the accompanying drawing and then be more particularly pointed out in the claim.

20 In the drawing, Figure 1, is a plan view of my invention. Fig. 2, is a side elevation showing the index, the scale, and the hand wheel to adjust the scoop, the scoop being shown in dotted lines in normal position, and Fig. 3, is a similar view, showing the scoop in adjusted position, and the lug for securing the bucket to an endless chain or belt.

25 Specifically referring to the drawing, 1, designates a shell of segmental shape, provided with apertured bosses 2, for the accommodation of pins 3, which form pivots for a scoop 4, located between the walls of the shell. The bottom of the scoop 4, is shaped to conform to the curvature of the shell, and is provided with a stud 5, which extends through and is operable in a slot 6, provided in the shell 1. Said stud is screw-threaded to receive a hand wheel 7, by means of which the scoop 4, may be adjusted relatively to the shell 1, and secured in position

of adjustment. The front edge 8, of said scoop is provided with an extension 9, to cover the end of the slot 6, when the scoop is in normal position, and thereby to prevent the escape of any material.

One wall of the scoop 4, is provided with a pin 10, which extends through a circular slot 11, provided in the wall of the shell 1, and on this pin is secured an index point 12, which is arranged to register with the scale 13 provided on one of the walls of the shell. Thus when it is desired that the bucket contain a determined amount of material, the scoop 4, is moved relatively to the shell 1, by means of the hand wheel until the index point 12 is brought to a point on the scale 13 which indicates the capacity of the bucket.

On each side of the shell, is a lug 14, provided with apertures 15 for securing the bucket to a belt or other conveyer.

What I claim, is:—

A conveyer bucket comprising a shell consisting of sector shaped end portions connected by a cylindrical body, a similarly shaped scoop concentrically arranged within said shell and having a bottom extending between its end portions, said shell and scoop being pivoted together at the apex of said sector shaped end portions, the body of the shell having a slot parallel with the end portions, a stud carried by the scoop and working within said slot, and means on said stud adapted to clamp the shell between itself and the scoop, whereby said parts may be relatively adjusted.

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

DAVID C. McCAN.

Witnesses:

C. A. BANCROFT,
ANTON GLOETZNER, Jr.