

No. 717,005.

Patented Dec. 30, 1902.

M. V. B. IVES.
COVER FOR SAP BUCKETS.

(Application filed June 11, 1902.)

(No Model.)

Fig. 1.

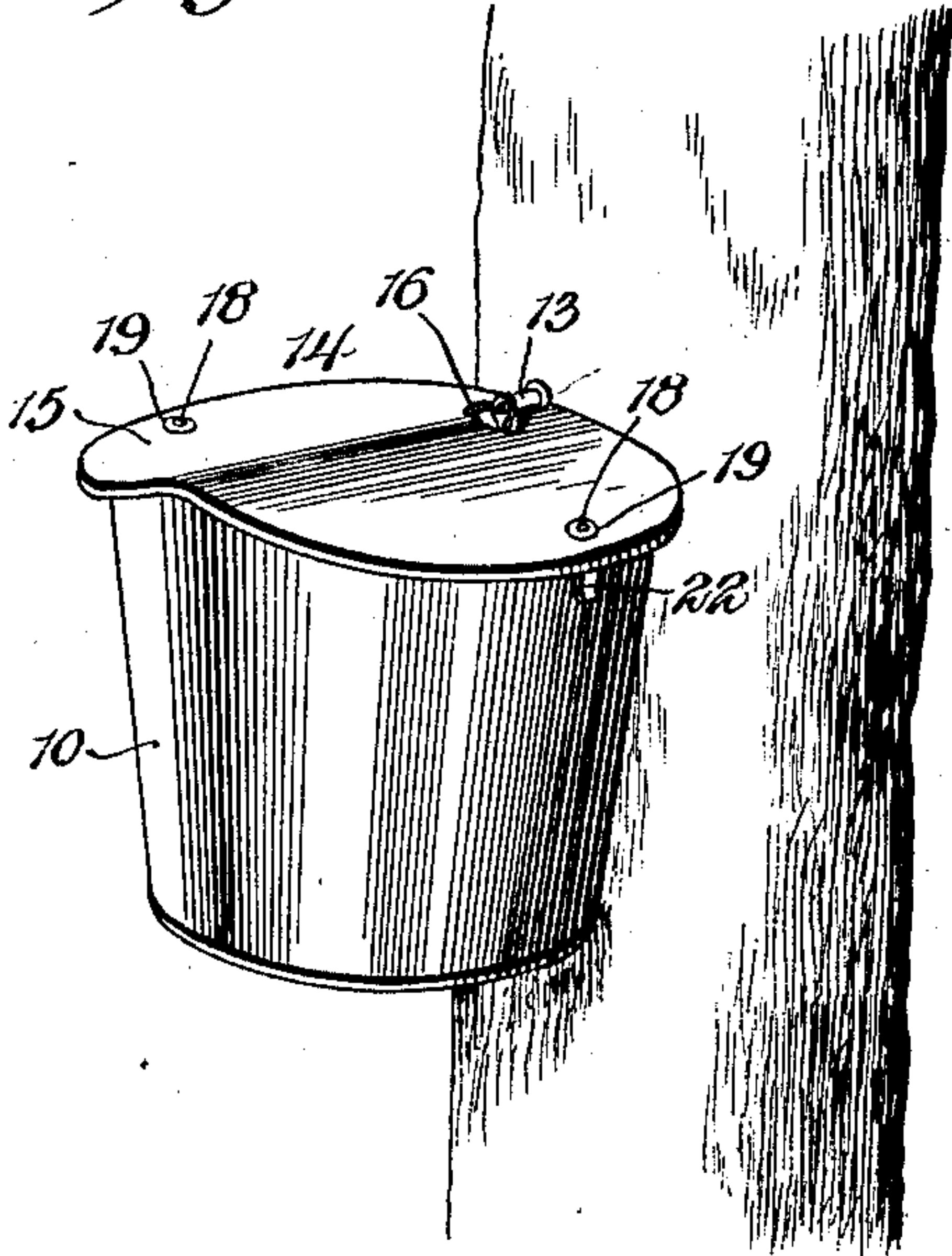


Fig. 2.

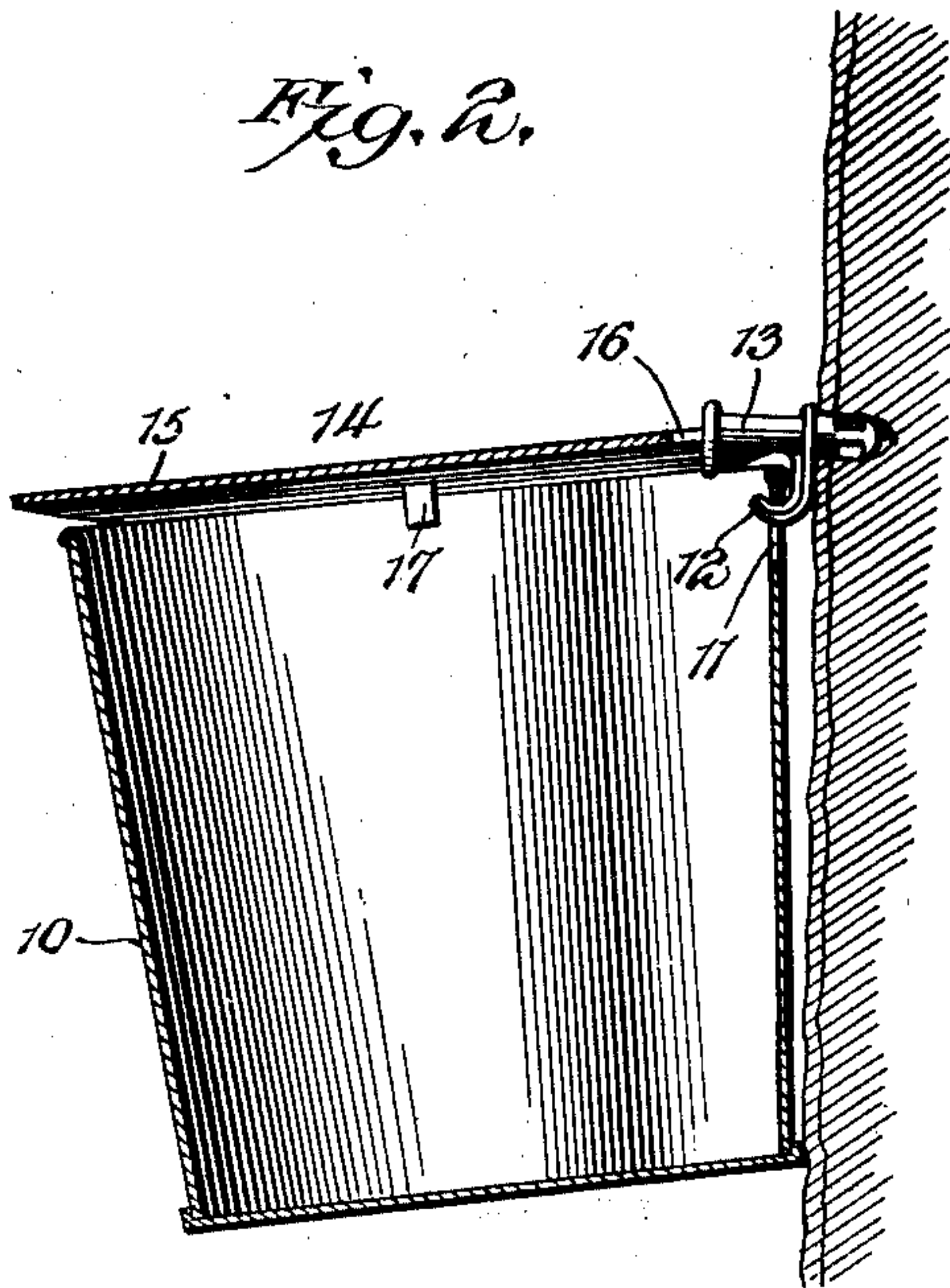


Fig. 3.

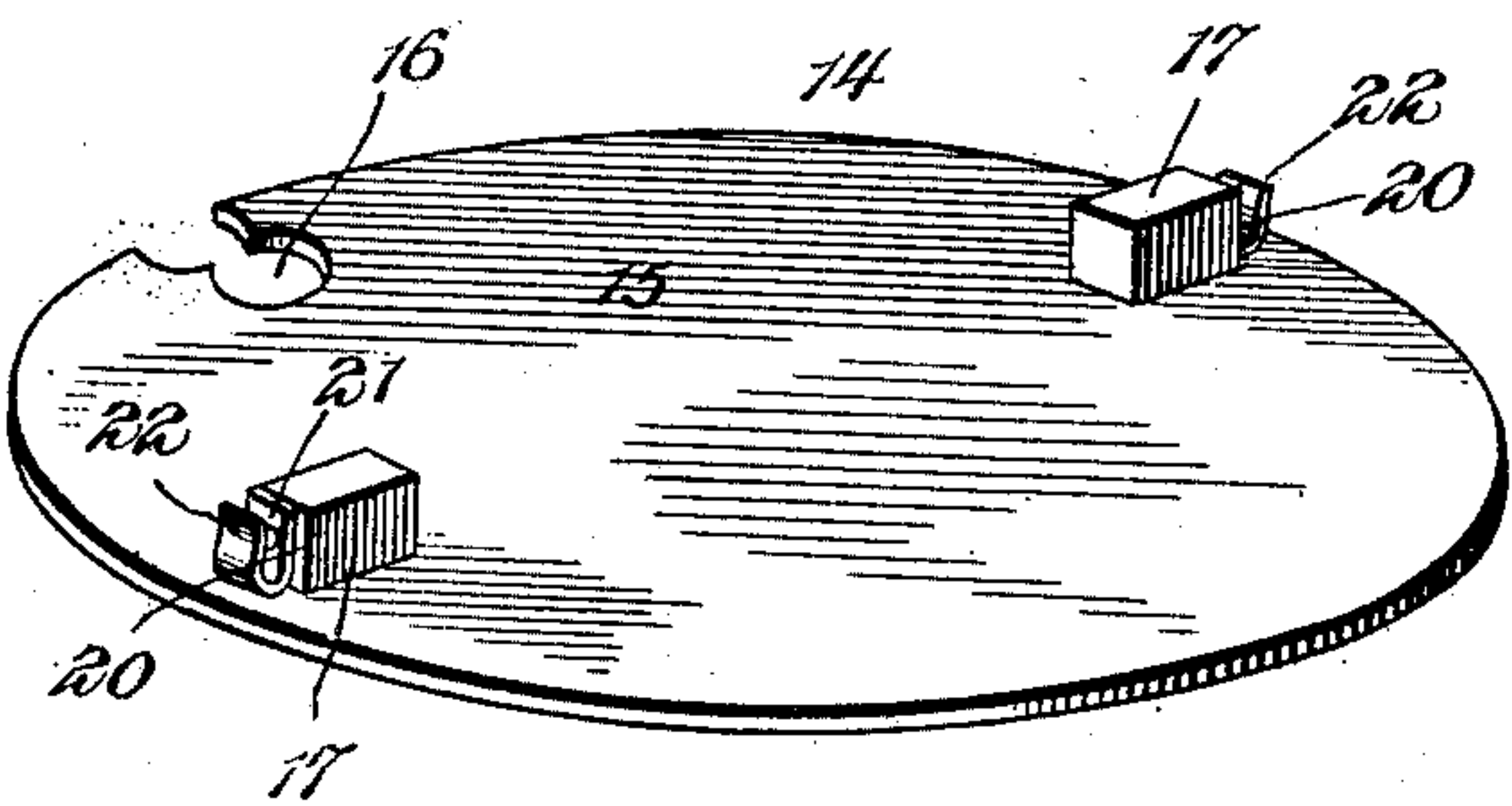


Fig. 4.

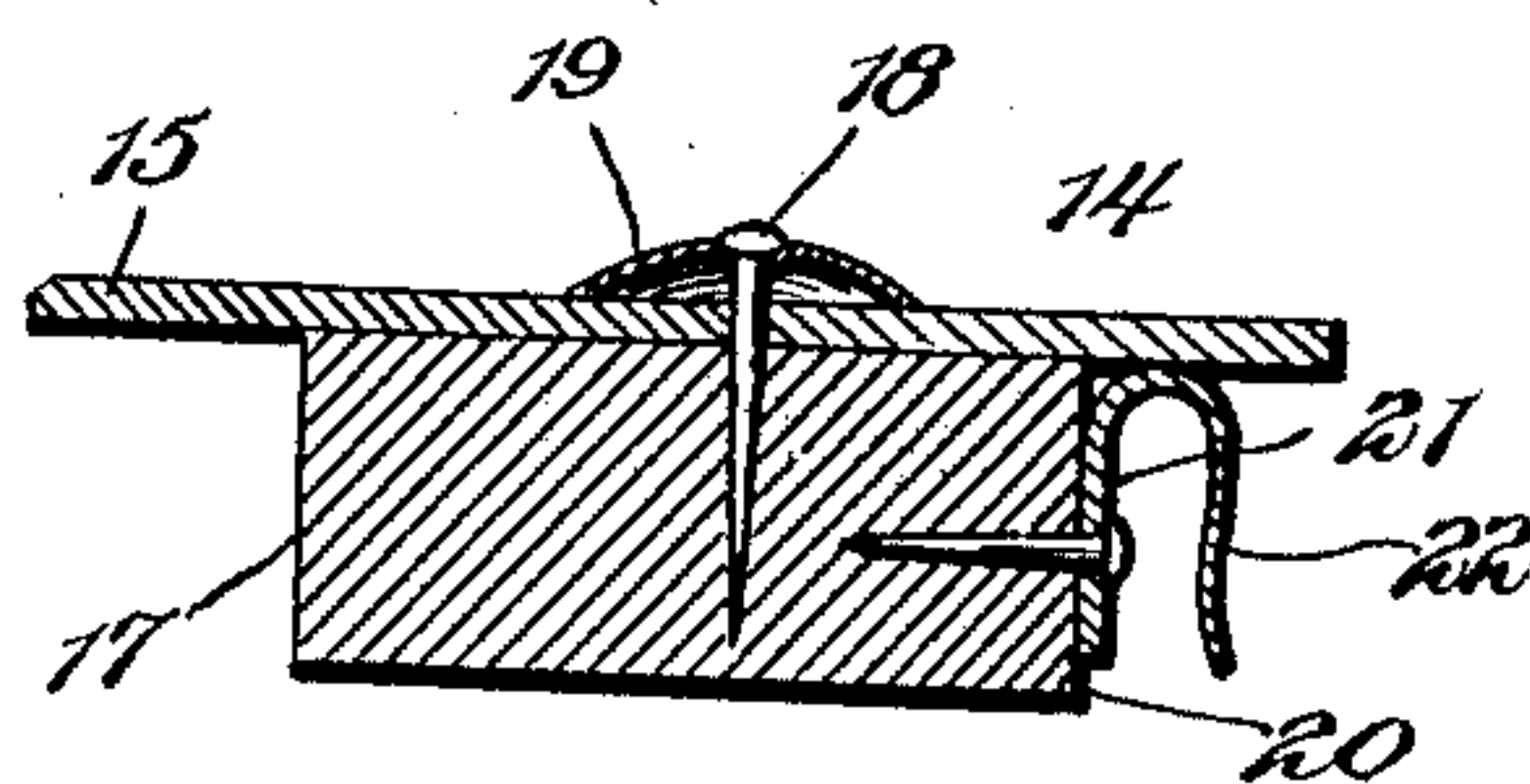
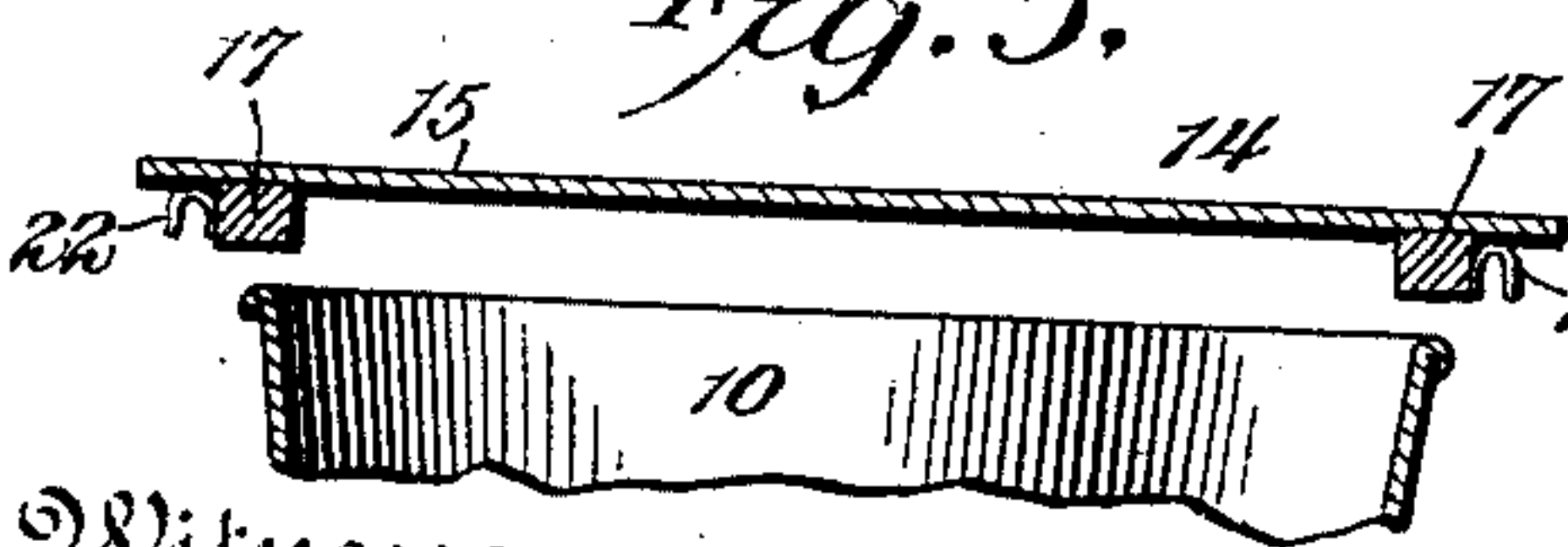


Fig. 5.



Witnesses

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COVER FOR SAP-BUCKETS.

SPECIFICATION forming part of Letters Patent No. 717,005, dated December 30, 1902.

Application filed June 11, 1902. Serial No. 111,186. (No model.)

To all whom it may concern:

Be it known that I, MARTIN V. B. IVES, a citizen of the United States, residing at Potsdam, in the county of St. Lawrence and State of New York, have invented a new and useful Cover for Sap-Buckets, of which the following is a specification.

The present invention relates to covers for buckets, and particularly buckets employed as catchers for sap for making maple syrup and sugar.

The object is to provide a simple and very inexpensive structure which can be readily applied to any well-known form of bucket and will completely cover the same to prevent the ingress of dust and trash of all sorts, as well as shed water. At the same time it is held securely against accidental displacement, although it may be readily removed for the purpose of pouring out the collected sap.

The preferred embodiment of the invention is shown in the accompanying drawings and described in the following specification; but it will be understood that such changes may be made in the construction as the scope of the appended claims will permit.

In the drawings, Figure 1 is a perspective view showing a sap-bucket with the cover in place thereon. Fig. 2 is a vertical sectional view through the same. Fig. 3 is a perspective view of the top reversed. Fig. 4 is a detail sectional view through one of the holding-blocks. Fig. 5 is a vertical sectional view through the upper portion of the bucket with the cover removed and located above the same to more clearly illustrate the relative proportions of the two.

Similar numerals of reference designate corresponding parts in all the figures of the drawings.

The bucket, which is designated by the reference-numeral 10, may be of any well-known form, being preferably cylindrical in form and having an opening 11, that receives the depending hook 12 of the sap-spout 13. On this bucket is placed the improved cover, (designated as a whole by the reference-numeral 14.) This cover comprises a flexible cap-plate 15, that is of any suitable material, preferably constructed of paper that is water-

proofed by means of paraffin or other suitable material. Said cover is provided with a suitable opening 16 to allow for the spout 13.

Holding projections 17 are located at diametrically opposite points of the under face of the cover, said projections being in the form of blocks secured in place by nails 18 or other fastening devices passed through the cap-plate and through suitable washers 19, that prevent the tearing of the latter. It will be noted that the blocks terminate short of the cap-plate, so that their outer faces or shoulders 20 will be located within said edges, and the projecting portions of the cap-plate therefore constitute eaves that extend over the rim of the bucket. In the practical embodiment of the invention the distance between the outer faces or shoulders of the blocks is greater than the distance between diametrical points on the rim, so that when said blocks are placed within the rim, as shown in Figs. 1 and 2, the cap-plate will be bowed or convexed upwardly, forming a sloping cover that will shed the water.

In the preferred embodiment of the invention hooks 21 are secured to the outer faces of the blocks and have depending spring-fingers 22, arranged to engage over the outer faces of the rim. While this forms an additional safeguard to prevent the cover from becoming accidentally detached, it is not absolutely necessary, and the invention is not to be limited to these hooks, as experience has shown that the covers will maintain their proper positions upon the buckets without the same. By this arrangement it will be seen that an exceedingly simple structure is provided which can be manufactured at very small cost and will prevent the ingress of water or dirt. It will not only shed the water on account of its convexity, but because of the edges of the cap-plate projecting over the rim of the bucket there is no danger of the water leaking into the said bucket. At the same time the cover may be readily removed when it is desired to gather the sap.

From the foregoing it is thought that the construction, operation, and many advantages of the herein-described invention will be apparent to those skilled in the art with-

out further description, and it will be understood that various changes in the size, shape, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a cover of the class described, the combination with a flexible cap-plate, of holding projections secured to opposite portions of the under face of the cap-plate, said projections terminating short of the edges of the cap-plate.

2. The combination with a sap-bucket, of a cover for the bucket, said cover comprising a flexible cap-plate having depending holding projections that engage inside the rim of the bucket, the distance between the outer faces of the projections being greater than the distance between opposite points of the bucket-rim, whereby the cap-plate will be outwardly bowed or convexed when in place upon the bucket.

3. The combination with a sap-bucket, of a cover for the bucket, said cover comprising a flexible cap-plate having depending holding projections, the outer faces of which are located inside the edges of the cap-plate, said projections engaging within the rim of the bucket, the distance between their outer faces being greater than the distance between op-

posite points on the rim, the edges of the cap-plate extending over the rim of the bucket.

4. In a cover of the class described, the combination with a waterproofed paper cap-plate, of holding-blocks located against the under side of the cap-plate, and fastening devices passing through the cap-plate and engaging the holding-blocks.

5. In a cover of the class described, the combination with a cap-plate having depending shoulders at its opposite sides, said shoulders being located within the planes of the edges of the cap-plate, of depending fingers arranged outside of and in spaced relation to the shoulders, said shoulders and fingers being adapted to engage opposite sides of the bucket-rim.

6. In a cover of the class described, the combination with a cap-plate having depending shoulders at its opposite sides, said shoulders being located within the planes of the edges of the cap-plate, of retaining-hooks secured to the shoulders and having depending spring-fingers located outside of and in spaced relation to the shoulders.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

MARTIN V. B. IVES.

Witnesses:

L. T. BOTSFORD,
CLARENCE S. FERRIS.