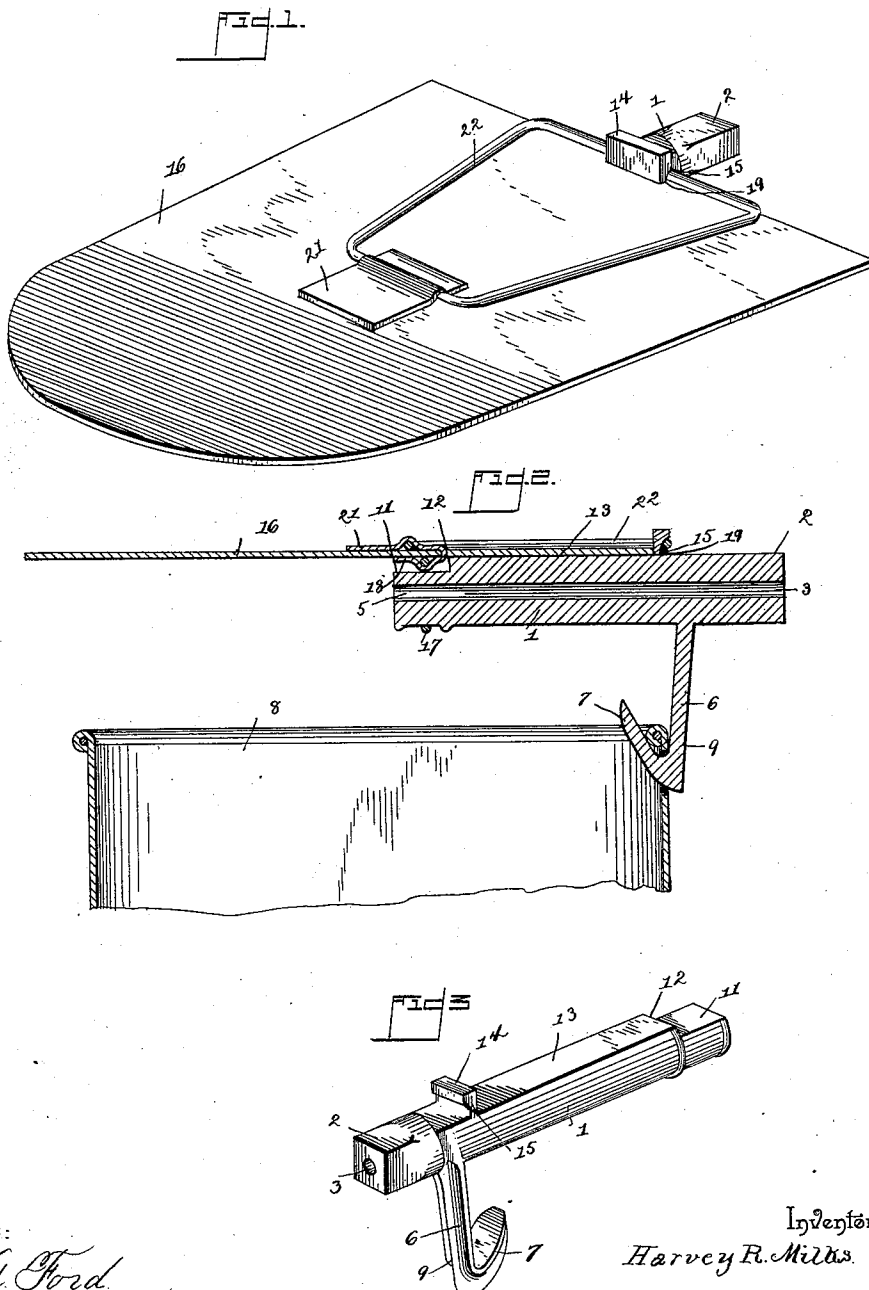


(No Model.)

H. R. MILKS.  
SAP SPOUT AND BUCKET COVER.

No. 469,791.

Patented Mar. 1, 1892.



Witnesses:

*Thomas A. Ford*

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# UNITED STATES PATENT OFFICE.

HARVEY R. MILKS, OF NAPOLI, NEW YORK.

## SAP-SPOUT AND BUCKET-COVER.

SPECIFICATION forming part of Letters Patent No. 469,791, dated March 1, 1892.

Application filed May 14, 1891. Serial No. 392,754. (No model.)

*To all whom it may concern:*

Be it known that I, HARVEY R. MILKS, a citizen of the United States, residing at Napoli, in the county of Cattaraugus and State of New York, have invented a new and useful Improvement in Sap-Spouts and Bucket-Covers, of which the following is a specification.

This invention relates to improvements in sap-spouts, the objects in view being to provide a sap-spout so constructed as to prevent the swaying of the bucket by the wind or otherwise; to provide for the carrying off of any water that may follow the line of the spout and prevent the same from running into the bucket of sap, and, finally, to provide a convenient easily-applied cover fitted to the spout and adapted to cover the bucket, preventing dust, water, or other objectionable matter from gaining access thereto.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a combined sap-spout and cover constructed in accordance with my invention. Fig. 2 is a vertical longitudinal section. Fig. 3 is a detail in perspective of the spout.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates the cylindrical spout, which latter at its rear end is squared, as at 2, and is provided with a bore 3, extending throughout the body of the spout and terminating in a discharge-orifice 5 for discharging the sap. In rear of the center of the spout depends the inclined portion or back of a bucket-supporting hook 6, from the lower end of which there forwardly and upwardly extends the front portion 7 of the hook. The inner faces forming the angle of the hook are flat, as shown, whereby they are adapted to engage with a square opening formed in the top of the sap-bucket 8, and by their formation prevent any swinging or accidental movement upon the part of the bucket calculated to lose any of the sap. The back of the hook is provided with a rib 9, which terminates in rear of the angle of the hook and serves as a guide, terminating in a point, from which any water running from the tree to the spout may be

successfully directed to a point beyond the bucket and there fall to the ground. The front end of the spout upon its upper side is recessed, as at 11, and immediately in rear of the same is provided with an annular shoulder 12. In rear of the shoulder the upper side of the spout is flattened, as at 13, and upon the upper side of the spout-body a lug 14 is formed. The lug is oblong in cross-section and has its rear face rounded, as shown, forming a shoulder 15.

16 designates the cover, the rear edge of which is straight while the front end is rounded. The cover is somewhat larger than the bucket and is provided upon its under side with a loosely-pivoted ring 17, which receives the front end of the spout. The ring is secured in position by a clip 18, which rests in the recess at said end. At its rear edge the cover is provided with a recess 19, rectangular and fitting the shouldered lug of the spout. Near its center, upon its upper side, the cover has secured thereto by means of a clip 21 a spring-wire bail 22, adapted to be swung toward and spring over the shouldered lug, whereby, as will be obvious, the cover is securely fastened in position and will shed water falling thereon and otherwise preserve the contents of the bucket. It will be obvious that by swinging the bail to the front the cover may be readily removed while the spout is being placed in position for use or is about to be withdrawn after use.

Having described my invention, what I claim is—

1. The herein-described sap-spout, having the bore terminating in a discharge-orifice and in rear of the latter provided with a vertically-depending hook provided at its rear side with a moisture-conducting rib terminating in a point in rear of and below the angle of the hook, substantially as specified.

2. The sap-spout provided near its rear end with a lug and a cover removably secured to the front end of the spout and upon its upper side provided with a swinging bail adapted to be sprung over said lug, substantially as specified.

3. The sap-spout provided upon its upper side with a flattened surface, near its front end with an annular shoulder, and near its

rear end with a rectangular hook having a rounded rear shoulder; a cover, a loose ring connected to the under side of the cover and adapted to receive the front end of the spout, and a spring-wire locking-bail hinged to the upper side of the same and adapted to be sprung over said shoulder, substantially as specified.

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

HARVEY R. MILKS.

Witnesses:

C. L. LINCOLN,  
A. D. BONSTEEL.