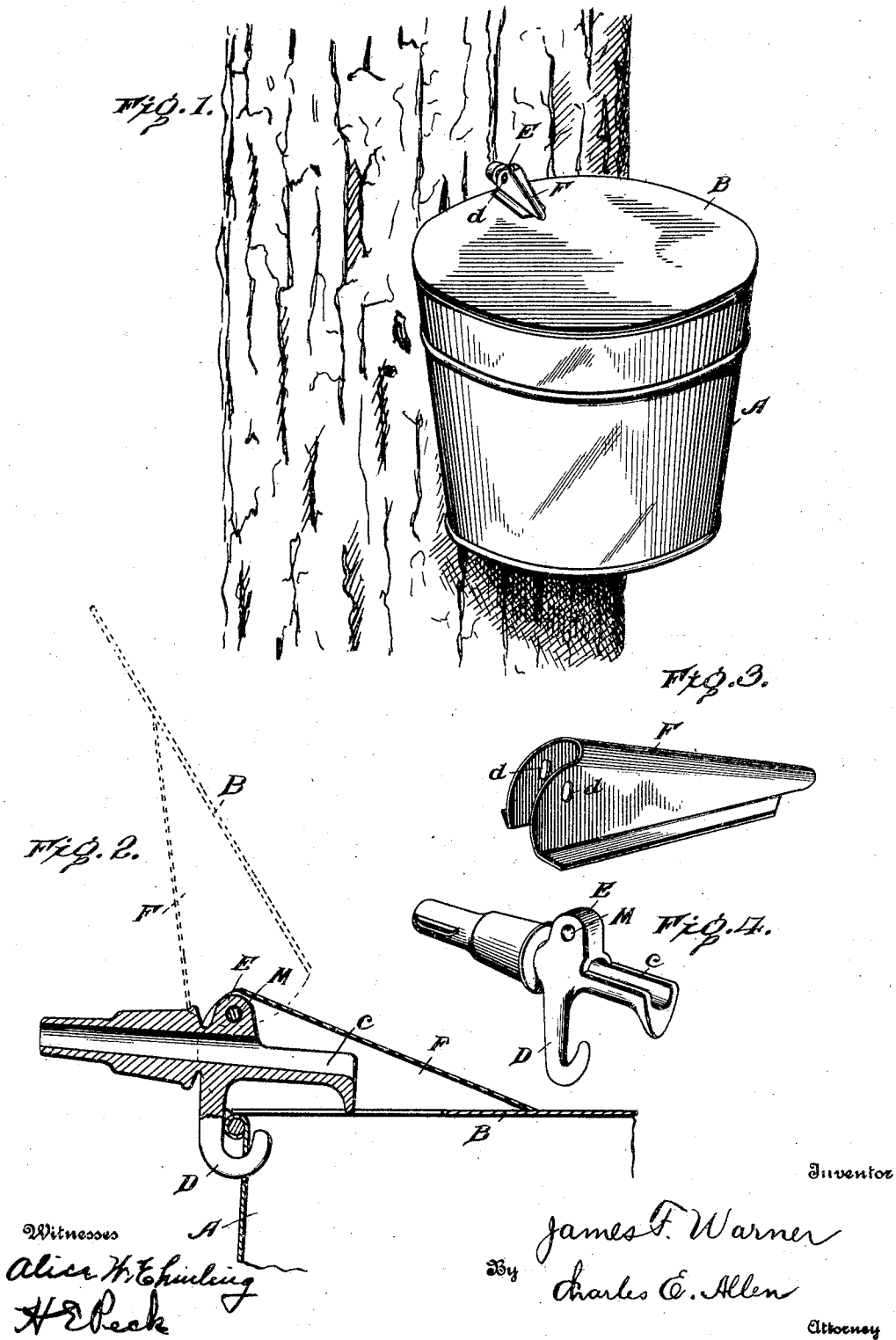


No. 792,950.

PATENTED JUNE 20, 1905.

J. F. WARNER.
SAP BUCKET COVER.
APPLICATION FILED NOV. 23, 1904.



UNITED STATES PATENT OFFICE.

JAMES F. WARNER, OF ESSEX, VERMONT, ASSIGNOR TO GEORGE D. JARVIS AND COMPANY, OF BURLINGTON, VERMONT, A CORPORATION OF VERMONT.

SAP-BUCKET COVER.

SPECIFICATION forming part of Letters Patent No. 792,950, dated June 20, 1905.

Application filed November 23, 1904. Serial No. 233,986.

To all whom it may concern:

Be it known that I, JAMES F. WARNER, a citizen of the United States, residing at Essex, in the county of Chittenden and State of Vermont, have invented certain new and useful Improvements in Sap-Bucket Covers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in covers of buckets for collecting sap under sap-spouts; and the objects of my improvements are, first, to so secure the cover to the bucket when hung independently to the spout that there shall be no open space between the cover and the top rim of the bucket for the entrance of leaves, insects, or any substance which will tend to discolor or otherwise injuriously affect the purity of the sap; second, to so protect the outward open extremity of the spout that the air is prevented from being blown into the hole in the tree (through the spout) and drying the sap-ducts of the tree. I attain these objects by the improvement illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved device in operation. Fig. 2 is a vertical sectional of Fig. 1. Fig. 3 is a perspective view of the device by means of which the cover is pivotally connected to the sap-spout. Fig. 4 is a perspective view of the sap-spout, showing means for attaching the cover-supporting device.

Similar letters refer to similar parts throughout the several views.

A is an ordinary sap-bucket; B, its cover, constructed of metal or wood; C, the sap-spout.

D is a downwardly-extending hook on the spout on which the bucket is designed to be suspended.

E is an upwardly-projecting member of the sap-spout, through which is a latitudinal hole M, as is more particularly shown in the improved sap-spout for which an application

for a patent was filed April 4, 1903, Serial No. 151,084.

F is an attachment to the upper surface of the cover B directly over the hole in the bucket A, through which the hook D is passed when the bucket is suspended. The shape of this attachment F is such as will generally conform to that of the outward projection of the sap-spout in the tree which it is designed to cover, so that when the bucket A is suspended against the tree on the hook D of the spout and the cover B is secured to the spout by means of a pin which is passed through the holes *d d* near the top of the upwardly-projecting attachment F and the hole M in the member E of the spout the cover will rest upon the top rim of the bucket A, thereby effectually covering the bucket and guarding its interior against the entrance of insects, leaves, or other substances from without, a liability to which it is constantly exposed without this protection. At the same time the sap-spout, being also covered by the attachment F of the cover B, is equally protected, and the hole in its interior through which the sap flows is guarded against the forcible entrance of wind, which, if it were exposed, would be blown through it, and thus injuriously affect the sap-ducts of the tree. By elongating the holes *d d* perpendicularly allowance is made for any thickness of the cover B.

Modifications in the construction of the attachment F may be made without departing from the spirit of my invention or sacrificing the advantages thereof, provided the sap-spout is so inclosed that it is protected from the air and the sap allowed to fall directly into the bucket beneath the cover, which is hinged to the member E of the sap-spout.

It is apparent that by turning the cover B back against the tree the bucket, being independent of the cover, can be readily removed from or rehung on the hook D without interfering with the cover.

What I claim, and desire to secure by Letters Patent, is—

1. A device of the character described, comprising a sap-spout, means carried by the spout for supporting the bucket, a member carried by the spout and extending down around the sides and ends thereof, and a cover secured to said member and completely covering the bucket.
2. A device of the character described, comprising a sap-spout, means carried thereby for supporting the bucket, a member carried by the spout and extending down around the sides and ends thereof, and a cover secured to said member and having an elongated opening communicating with said member below the spout.
3. A device of the character described, comprising a sap-spout, means carried by the spout for supporting the bucket below the same, a member pivotally connected to the sap-spout and extending down around the sides and ends of the spout, and a cover secured to said member and having an elongated opening communicating with said member below the spout.
4. A device of the character described, comprising a sap-spout, a downwardly-extending hook carried by the under side of the spout for supporting the bucket below the same, a member pivotally connected to a projection carried by the upper face of the spout and extending down around the sides and ends of said spout, a cover rigidly carried by said member and completely covering the bucket and having the portion below the said member cut away to allow the spout to pass through the same when the cover is swung upward.
5. A device of the character described, comprising a sap-spout, means carried thereby for supporting the bucket below the same, a member covering the upper face of said spout and extending down around the sides and ends thereof, a pivot carried by the spout and passing through elongated slots in the side walls of said member, outwardly-extending flanges carried by the lower ends of the side walls of said member, and a cover secured to said flanges and resting upon the upper edge of the bucket, and having the portion below the said member cut away to allow the spout to pass through the same when the cover is swung upward.
6. A device of the character described, comprising a sap-spout, means carried thereby for supporting the bucket, a member covering the upper face of the spout and extending down around the sides of the spout, a pivot carried by the spout and passing through elongated slots in the side walls of said member, outwardly-extending flanges carried by the lower edges of the side walls of said member, and a cover rigidly secured to said flange and completely covering the bucket and resting upon the upper edge of the same, and the said cover having an elongated slot below the said member through which the spout is adapted to pass.

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

JAMES F. WARNER.

Witnesses:

CHARLES E. ALLEN,
CHARLES B. WETHERBY.