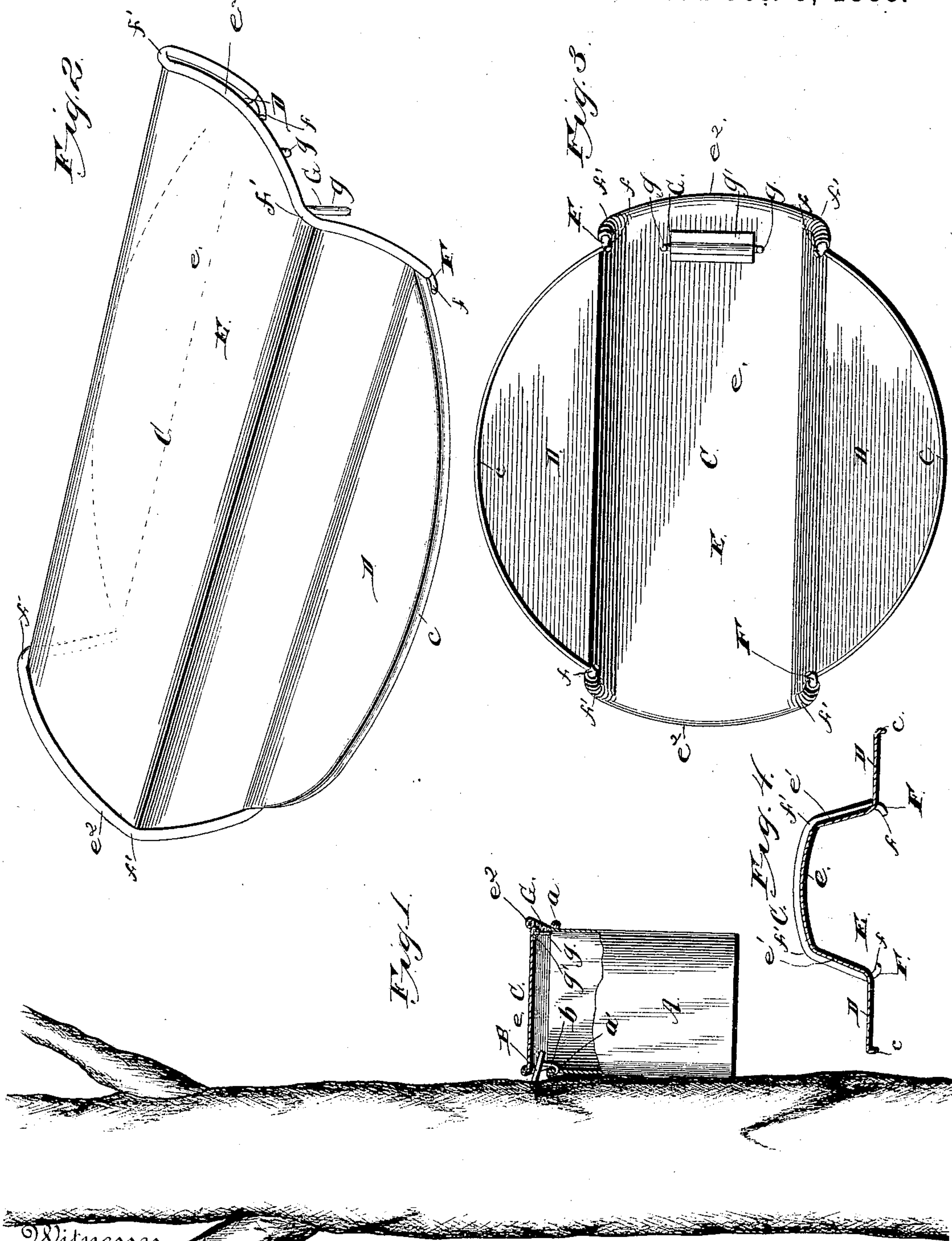


(No Model.)

H. WALCOTT.
COVER FOR SAP BUCKETS.

No. 390,728.

Patented Oct. 9, 1888.



Witnesses,
Geo. J. Thayer,
Theodore S. West,

Inventor,
Henry Walcott,

By *his* Attorneys,

C. A. Hawley

UNITED STATES PATENT OFFICE.

HENRY WALCOTT, OF ROCHESTER, VERMONT.

COVER FOR SAP-BUCKETS.

SPECIFICATION forming part of Letters Patent No. 390,728, dated October 9, 1888.

Application filed May 31, 1888. Serial No. 275,601. (No model.)

To all whom it may concern:

Be it known that I, HENRY WALCOTT, a citizen of the United States, residing at Rochester, in the county of Windsor and State of Vermont, have invented a new and useful Improvement in Covers for Sap-Buckets, of which the following is a specification.

My invention is a cover for sap-buckets, and has especial reference to improvements on the device for which Letters Patent No. 380,958 were granted to me April 10, 1888; and it consists in certain novel features hereinafter described and claimed.

In the drawings, Figure 1 is a sap-bucket, of ordinary construction, hung to a sap-spout in the tree and provided with a cover illustrating the invention. Fig. 2 is a perspective view of the cover detached. Fig. 3 is a reversed plan view of the cover. Fig. 4 is a transverse section.

Referring to the drawings by letter, A designates a sap-bucket, of ordinary construction, provided on one side, just below its wired and beaded rim *a*, with the opening *a'*, in which is engaged a hook, *b*, depending from the sap-spout B, the upper end of which is inserted in an auger-hole in the tree.

C designates the cover, consisting of the opposite segmental wings, D D, of equal size, and provided on their edges with the depending flanges *c c*, to stiffen the edge and to shed water from the cover, and the upstanding central portion or hood, E, with the top *e*, which may be flat, but is preferably somewhat convex upwardly, and the downwardly and outwardly inclined sides *e'*, which connect it integrally with the wings. The said central portion or hood, E, forms both a hood and a sap-stream director, and its ends *e''* project outward beyond the corresponding parts of the rim of the bucket, and have curved edges that continue the curve of the edge of the bucket, so that when the latter is suspended from the spout the adjacent end projects a sufficient distance over the end thereof to cover and protect the issuing sap.

The cover is rendered quickly and easily detachable from the bucket by the following means:

F F are stout wires wrapped in the end

edges of the hood E, which is turned up over them. The ends of said wires are bent into inwardly-standing hooks *f*, that project under and hold on the beaded rim *a* of the sap-bucket. The wires project upward and outward from their hooked ends along the adjoining edges of the inclined sides *e'* of the hood, and thence along the edge of the top thereof, having the bends *f'* at the junctions of the said top and sides. These bends form the wires into strong springs, which hold the hooked end firmly against the rim *a* and prevent the detachment of the cover, the bends forcing the hooks toward each other. The cover may, however, be quickly and readily detached by forcing the sides *e'* slightly apart at one end, upon which the adjacent hooks will spring off the rim *a*; or, if the sap bucket is of metal, its edge between said hooks may be forced inward to effect the same purpose. The cover is attached to the bucket in the same manner.

G is an ice-guard composed of wire and provided with the arms *g*, bent at right angles to its transverse central portion, which is journaled in a sleeve, *g'*, secured transversely to the under surface of the top of the hood, near one end thereof. When it is desired to use said guard, it is turned down until the ends rest against the inner surface of the adjacent part of the rim, thus dividing the open end of the hood into three nearly equal portions.

The ice guard is preferably on the end of the hood opposite that covering the opening *a'*.

In operation, when the sap is poured from the bucket into the collecting-pail, the sides of the hood prevent the stream of sap from extending beyond them upon the rim *a*, and the top and sides form a solid stream of the sap and properly direct the same.

In cold weather the ice-guard is turned down, as described, and prevents any ice that may have formed on the sap from entering the collecting-pail or a funnel, when filling barrels. If desired, the ice-guard may be dispensed with. The bends of the wires at *f'* can be sprung in or out to fit the cover to buckets of different diameters.

Having described my invention, I claim—

The combination, with the sap-bucket, of

the cover consisting of the segmental wings D, having the depending flanges *c*, and the hood E, with the top *e*, and outwardly-projecting ends *e*² and inclined sides *e'*, and the spring-
5 wires F, wrapped in the edges of the hood having the bends *f'* and hooked ends *f*, substantially as specified.

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

HENRY WALCOTT.

Witnesses:

GARDNER L. CHAFFEE,
EMELINE A. CHAFFEE.