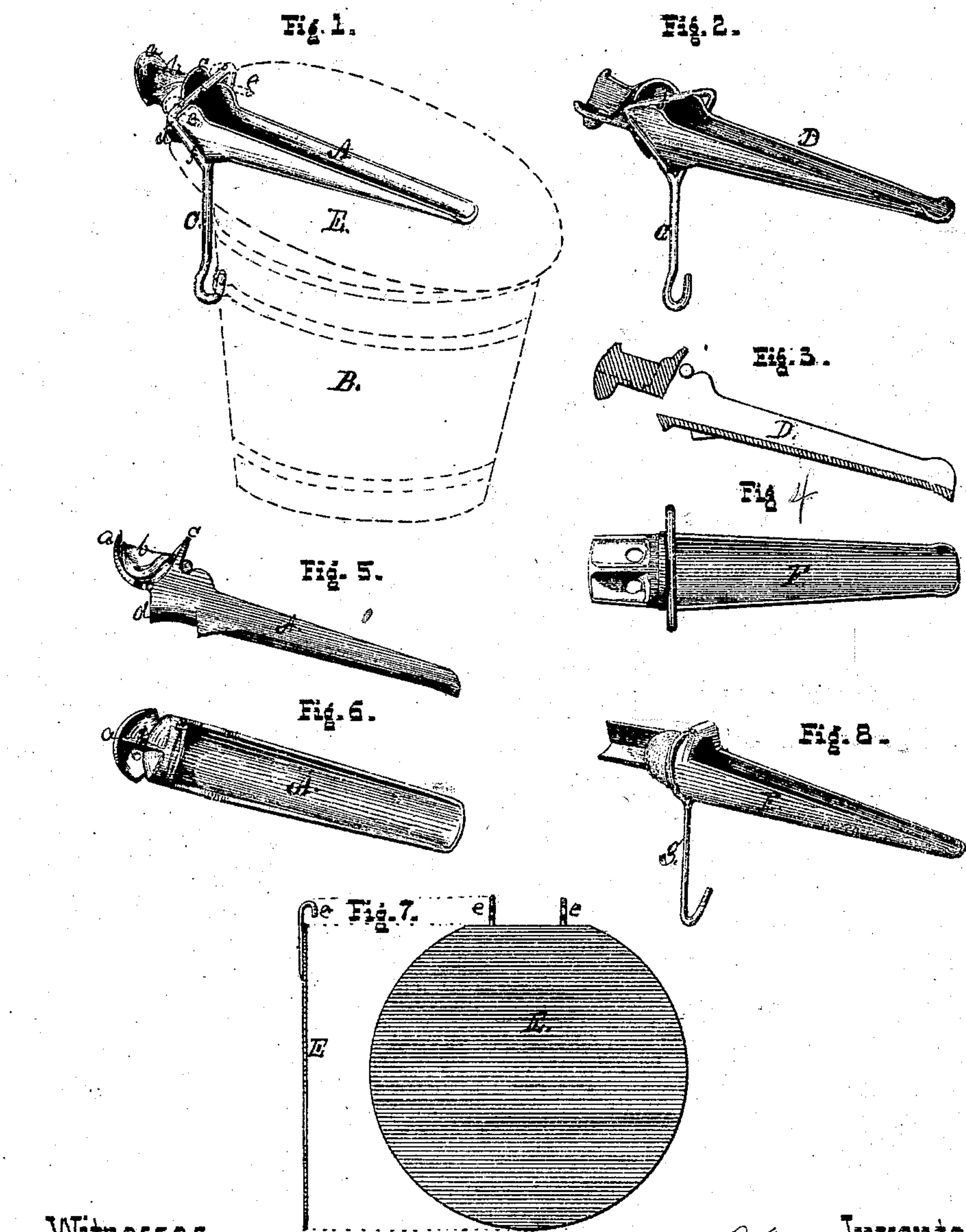


Chas. C. Post.

Improvement in Sap Spouts.

117326

PATENTED JUL 25 1871



Witnesses.
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UNITED STATES PATENT OFFICE.

CHARLES C. POST, OF HINESBURG, VERMONT.

IMPROVEMENT IN SAP-SPOUTS.

Specification forming part of Letters Patent No. 117,326, dated July 25, 1871.

To all whom it may concern:

Be it known that I, CHARLES C. POST, of Hinesburg, in the county of Chittenden and State of Vermont, have invented certain new and useful Improvement in Metallic Sap-Spouts, Bucket-Hangers, and Sap-Bucket Covers combined; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 represents a perspective view of one of my improved modes of constructing the lips for fastening the metallic sap-spout to the tree, with the hook or bucket-hanger attached, the sap-bucket on the hook, and the lid or cover to the bucket hinged to the hanger. Fig. 2 shows the same sap-spout and bucket-hanger with a slight modification of the lips for fastening to the tree. Fig. 3 is a longitudinal section through the same. Fig. 4 shows a top view of another mode of constructing the lip fastenings. Figs. 5 and 6 show a side and top view of still another mode of constructing metallic sap-spouts. Fig. 7 shows an edge and top view of bucket-cover. Fig. 8 shows another form of spout and bucket-hook.

My invention relates to non-corrosive metallic sap-spout, first patented by me November 24, 1868; and my improvements consist in the several modifications for the form of the lips or fastenings to secure the metallic spouts to the trees; also, combining with the spout the metallic hook or bucket-hanger; likewise, the detachable lid or bucket-cover.

To enable others to make and use my several improvements in sap-gathering apparatus, I will describe them more fully, referring to the drawing and to the letters marked thereon.

The spout A, as shown in Figs. 1, 5, and 6, is provided with a hooked or bent-up lip, *a*, which

is strengthened by a thin rib, *b*, on the upper side, connecting it with a rim or flange, *c*, above the orifice which admits the flow of the sap from the bore in the tree through the spout, the under portion or flange *d* being so formed as to compress itself in the bore by the weight of the bucket B hanging on the spout A so as to prevent any leakage or waste of the sap. The hook or bucket-hanger C is formed so as to be supported in notches on the top of the spout, near the flange *c*, the ring *f* being triangular in shape to admit the hooks *e e*, which form the hinges of the lid or cover E to the sap-bucket. The spout D, as shown in Figs. 2 and 3, has only a modified form of lip-fastenings to hold it in the bore of the tree; the bucket-hanger C being the same to connect a lid or cover, as above described.

The spouts so constructed can be inserted in the trees sufficiently tight and will hold the sap from leakage without being driven in, and when the season is over can be taken out easily without breaking or damage to them or the tree, and may be kept in good condition and used successively for a lifetime.

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

1. A metallic sap-spout, provided with lips or catches, as shown, for the purpose of holding firmly into the tree, substantially as specified.

2. The combination of the hinged cover E with the hook C and spout A, as above specified.

3. The detachable bucket-hanger C, in combination with a metallic sap-spout, as described.

In testimony whereof I hereunto subscribe my name.

CHARLES C. POST.

Witnesses:

C. C. ALLEN,
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