

Chas. C. Post.

Sap Spout.

117457

PATENTED JUL 25 1871

Fig. 1.

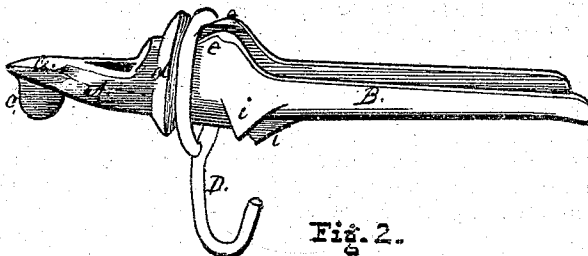


Fig. 2.

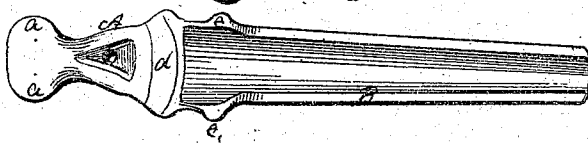


Fig. 3.

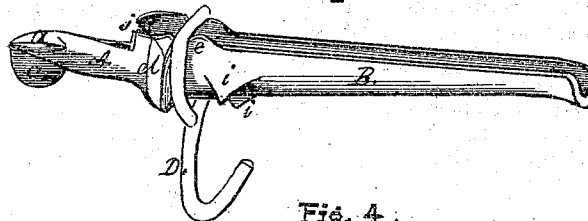
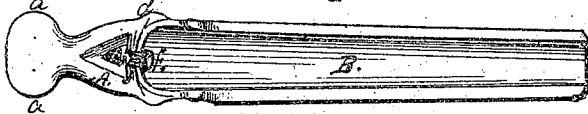


Fig. 4.



Witnesses.

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CHARLES C. POST, OF HINESBURG, VERMONT.

IMPROVEMENT IN SAP-SPOUTS.

Specification forming part of Letters Patent No. 117,457, 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 Improvements in Metallic Sap-Spouts, and the mode of securing them to the tree and also securing the bucket-hanger in a proper position; 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 an isometrical side view of one style of my improved metallic galvanized sap-spout, with a detachable bucket-hanger on the place for securing it in a proper position. Fig. 2 shows a top view of the same spout without the bucket-hanger. Fig. 3 shows a slightly-modified form of the spout and bucket-hanger, to allow the sap to flow over the top as well as through the orifice in the stem. Fig. 4 shows a top view of Fig. 3 without the bucket-hanger.

My invention relates to metallic sap-spouts, and is an improvement on my original "Eureka" sap-spouts, patented to me November 24, 1868.

The flange or shoulder *d*, as seen in Figs. 1 and 2, is made conical or beveling, so that when the stem *A* is driven into the tap or bore of the tree it will close the orifice around it air and

water-tight, so as to prevent any leakage of the sap, and also the air from drying up the pores of the wood near the bark to check the flow. Underneath the stem *A* is a small orifice, *f*, to admit the flow of sap through the partition or flange *d* (which forms the shoulder and packing) into the pod of the spout *B*. In Figs. 3 and 4 a small notch or opening, *j*, is shown, made in the top of the spout, in the portion of the stem or bevel *d* that just enters the bore in the tree, so that the sap can flow over into the spout *B* and keep the hole or tap full to prevent the air from entering the bore to dry it up. In spouts so constructed the orifice *f* may be dispensed with, if desired. The bucket-hangers are made of wire, and are very similar to those in use on my "Eureka" sap-spout.

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

A notch or opening, *j*, on the top of the stem-flange *d* for the sap to flow over into the spout *B*, so that the tap or bore will be kept full and moist, as herein described.

CHARLES C. POST.

Witnesses:

R. S. TAFT,
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