

(No Model.)

J. C. SCHULER.
ART OF EXTRACTING TURPENTINE.

No. 530,205.

Patented Dec. 4, 1894.

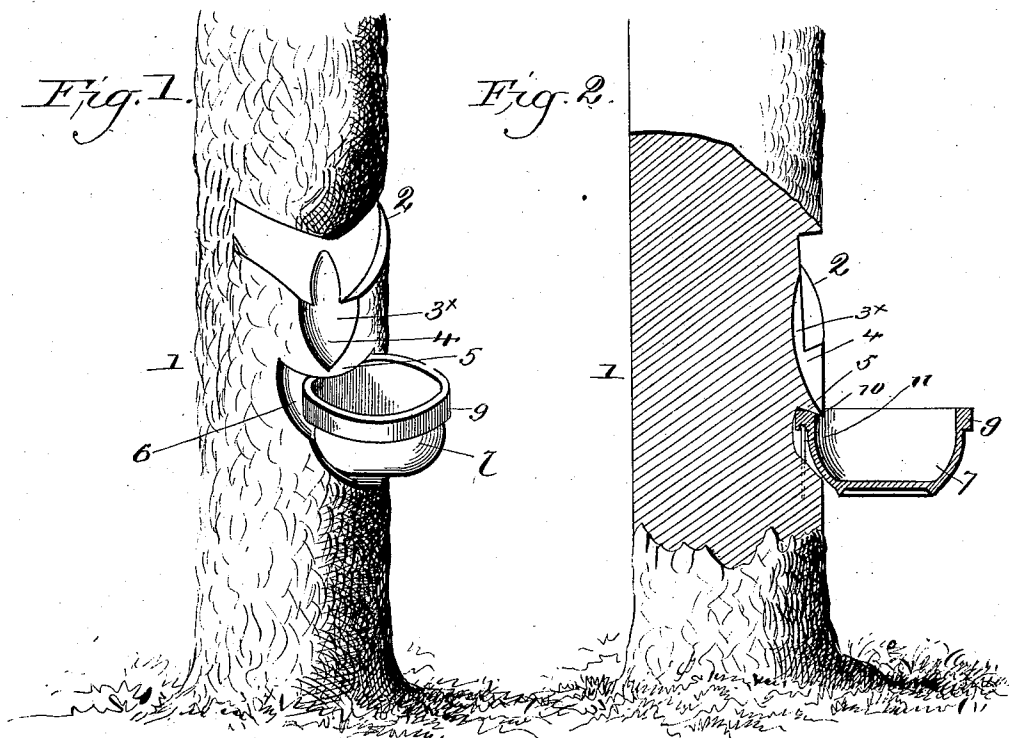
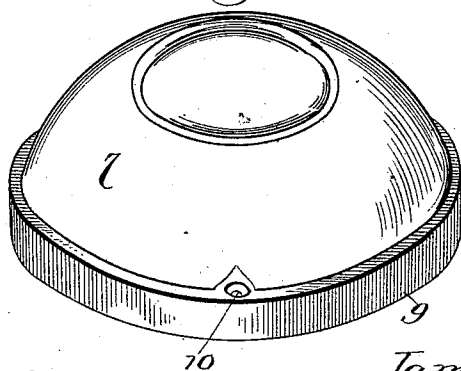


Fig. 3.



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UNITED STATES PATENT OFFICE.

JAMES C. SCHULER, OF LANIER, GEORGIA.

THE ART OF EXTRACTING TURPENTINE.

SPECIFICATION forming part of Letters Patent No. 530,205, dated December 4, 1894.

Application filed March 23, 1894. Serial No. 504,801. (No specimens.)

To all whom it may concern:

Be it known that I, JAMES C. SCHULER, a citizen of the United States, residing at Lanier, in the county of Bryan and State of Georgia, have invented certain new and useful Improvements in the Art of Extracting Turpentine; 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.

This invention relates to the art of extracting turpentine or sap from trees, and has for its object to dispense with cumbersome mechanism and complex construction, thereby lessening the cost and rendering the operation simple and easy.

With these and other objects in view, the invention consists of the construction and arrangement of the several parts which will be more fully hereinafter described and claimed.

In the drawings: Figure 1 is a perspective view of a portion of a tree showing the improved cup applied thereto. Fig. 2 is a central, transverse vertical section. Fig. 3 is a detail perspective view of a cup shown inverted.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

Referring to the drawings, the numeral 1 designates a tree which is prepared for the purpose of extracting turpentine or sap by having two divergent troughs 2 cut therein with lower beveled sides 3 inclined inwardly and downwardly, said troughs running to an open center and communicating with a central gutter 3^x which extends gradually outward on a curved path to an overhanging shoulder 5 forming the upper wall of a dovetail recess 6 and curved, the said recess being shaped to receive and hold a cup 7 which is constructed of porcelain preferably and has a dovetail extension 8 fitting in the said recess, and is also provided with an upper flange or rim 9 in the under portion of one part of which is formed an opening 10. In inserting the cup in position it is inserted edgewise under the overhanging shoulder 5 and the recess 6 or opening therein is engaged by a down-

wardly driven supporting pin or nail 11. By this means the cup is firmly held in removable position, as the recess 6 is of such shape as to support the cup and conform to the contour thereof, and when the cup is in position the shoulder 5 overhangs the edge thereof, as shown in Fig. 1, so that the lower portion or termination of the gutter 3^x will deliver the turpentine or sap into the cup.

In operation, the turpentine or sap flows downwardly over the beveled walls 3 of the troughs 2 and into the gutter 3^x and from thence to the cup. It will be observed from the construction set forth that a spout and other complex mechanism are avoided in the art of extracting the turpentine or sap in the present instance, and is a beneficial improvement on the patent heretofore granted to me.

While a porcelain cup has been mentioned specifically, it will be understood that a glazed, stone ware cup of any quality may be employed to receive the crude turpentine, the glazed construction being necessary in view of the high penetrating powers of the turpentine, in order to make the cup non-porous and non-corrosive. A cup of this kind will also resist and stand the forest fires which have been the greatest inconvenience and loss sustained in the turpentine industry.

Having thus described the invention, what is claimed as new is—

In combination with a tree having divergent troughs cut therein with lower beveled walls leading to a gutter cut into said tree at the point of intersection of said divergent troughs, the latter terminating in a shoulder overhanging a recess cut into said tree, a porcelain cup having a dovetail extension fitting said recess with a hole on the under side of the rim, and a single vertically disposed supporting pin in the recess of the tree adapted to engage the hole in the rim of the cup, substantially as and for the purposes set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JAMES C. SCHULER.

Witnesses:

L. E. CANTON,
F. F. GODDARD.