E. A. McKo—

TURPENTINE CUP.

APPLICATION FILED JULY 6, 1907.

Patented Apr. 26, 1910.

956,403.

Fig. 1.

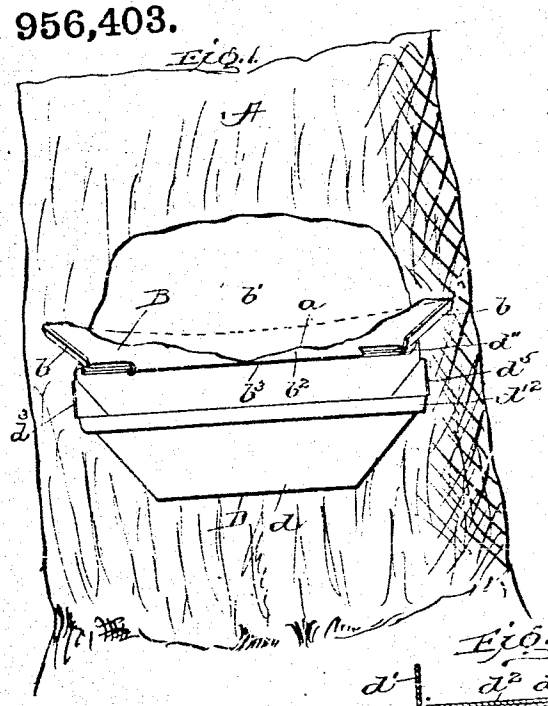


Fig. 2.

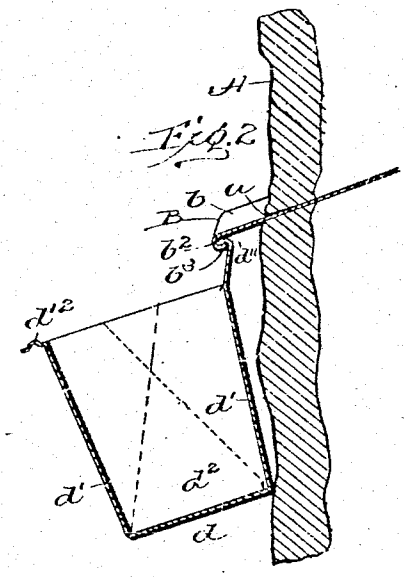


Fig. 6.

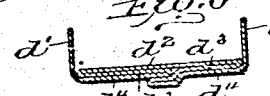


Fig. 7.

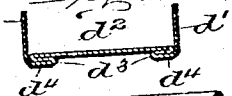


Fig. 3.

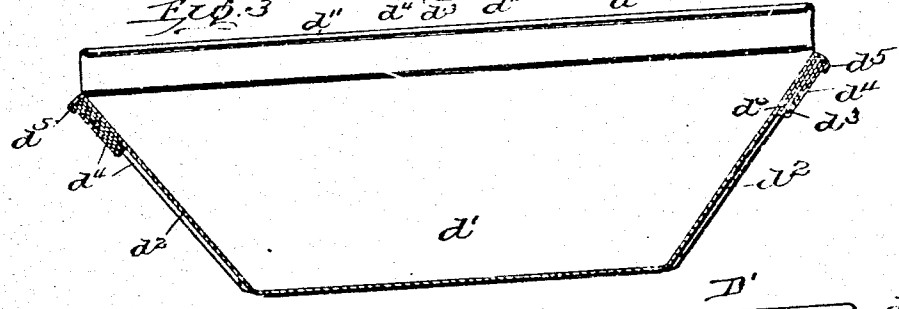


Fig. 4.

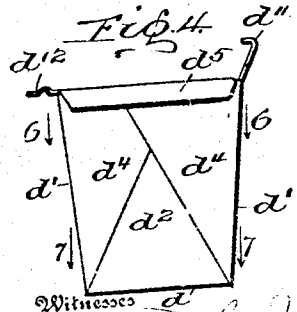
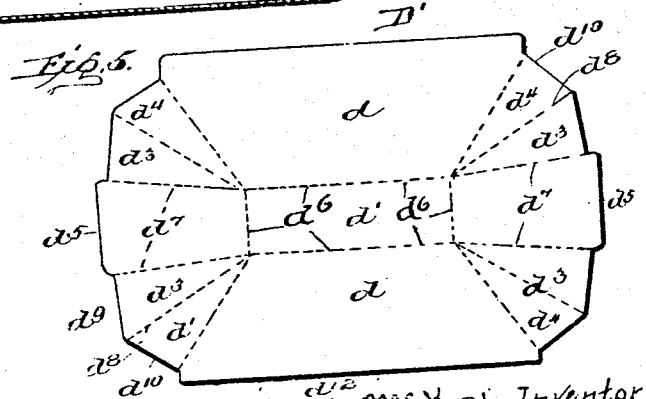


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

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TURPENTINE-CUP.

956,403. Specification of Letters Patent. Patented Apr. 26, 1910.

Application filed July 6, 1907. Serial No. 382,476.

To all whom it may concern:

Be it known that I, EDWIN A. McKOY, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Turpentine-Cups; 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 sheet metal turpentine cups or sap receptacles.

The object of my invention is to provide a one piece sheet metal turpentine cup or sap receptacle of oblong form with flaring ends, and comparatively long, narrow and deep so it may fit flat or properly against the tree and not project therefrom, and adapted to coöperate with and be supported by a wide sheet metal apron inserted in the turpentine or other sap bearing tree, and which at the same time may be strong, simple and durable and capable of being cheaply manufactured and which will be firmly supported by the apron, and which may be removed therefrom when the turpentine or sap is to be emptied.

My invention consists in the means I employ to practically accomplish this object or result as herein shown and described and more particularly specified in the claims.

In the accompanying drawings forming a part of this specification, Figure 1 is a front elevation showing perspectively a sheet metal turpentine cup or sap receptacle embodying my invention. Fig. 2 is a central vertical cross section. Fig. 3 is a central vertical longitudinal section. Fig. 4 is an end view. Fig. 5 is a plan view of the sheet metal blank in the flat, showing in dotted lines the angles or lines upon which the folds are made to form the receptacle from the flat blank. Fig. 6 is a partial horizontal section on line 6—6 of Fig. 4 and Fig. 7 is a partial horizontal section on line 7—7 of Fig. 4.

In the drawing, A represents a sap bearing tree, B a sheet metal apron inserted in the cut, (*a*) of the tree, and having at its ends transversely inclined or divergent upturned flanges (*b*) a concavely curved upper edge (b^1) and provided at its lower edge (b^2) with a downwardly, inwardly and upwardly curved flange or hook (b^3) to engage a corresponding curved flange or hook on the sheet metal sap receptacle (D). The one piece sheet metal sap receptacle (D) comprises a bottom (d) upright sides (d^1) and flaring ends (d^2) the latter having angle folds (d^3 d^4) one overlapping the other at the upper edge thereof, and clamped and held in place by the integral locking lips (d^5) at the upper edges of the flaring ends (d^2) which locking lips are folded outwardly over the upper edges of the angle folds (d^3 d^4). All these parts of the receptacle (D) are integral with each other and formed from a single flat sheet metal blank (D^1) by forming suitable bends and folds therein. The bends (d^6) surround the bottom (d) at the lower or bottom corner of the vessel where the upright sides (d^1) and flaring ends (d^2) unite with the integral bottom. The upwardly extending bends (d^7), form the upwardly extending corners between the upright sides (d^1) and flaring ends (d^2). The angle folds (d^3 d^4) have an intermediate bend (d^8) and angular upper marginal edges (d^9 d^{10}) which when the blank is folded up into the receptacle come parallel to each other and with the upper edge of the flaring end (d^2) so as to be properly embraced by the outwardly folded locking lips (d^5) which embrace the overlapping folds (d^3 d^4). The inner longitudinal side (d^1) of the receptacle has at its upper edge a longitudinal inwardly and downwardly projecting flange or hook (d^{11}) adapted to fit in and engage the correspondingly turned longitudinal flange or hook (b^3) of the sheet metal apron (B) to support the receptacle from the apron. This supporting flange or hook (d^{11}) preferably extends the full length of the receptacle so as to properly direct the turpentine or sap into the receptacle from the apron (B). The sheet metal receptacle (D) has at the upper edge of its outer longitudinal side (d^1) a stiffening flange or curved edge (d^{12}).

I claim:

1. In a sheet metal sap receiving receptacle and apron, the combination of an apron having divergent integral flanges at its ends and provided with a downwardly, inwardly and upwardly curved flange at its lower longitudinal edge, of a removable long, deep, narrow one piece metal sap receiving receptacle, having integral bottom, upright sides and flaring ends, and integral angle folds at the flaring ends of the recep-

tacle, the flaring ends being furnished with integral locking lips folded outwardly from the upper edge of the integral angle folds, the inner upright side of said receptacle having at its upper edge an inwardly and downwardly turned flange engaging said flange at the lower longitudinal edge of said apron, substantially as specified.

2. In a sheet metal sap receptacle and apron, the combination with an apron having an integral supporting hook at its lower longitudinal edge, of a removable one piece sheet metal sap receptacle having integral bottom, upright sides and flaring ends, and integral angle folds at the flaring ends, the inner side of the receptacle having at its upper longitudinal edge an integral hook engaging the hook at the lower longitudinal edge of the apron, substantially as specified.

3. The combination with a sheet metal apron having a downwardly and inwardly turned flange at its lower longitudinal edge, of a removable long, deep, narrow, one piece sheet metal sap receptacle having integral bottom, sides and ends and angle folds at the ends, and provided at the upper longitudinal edge of its inner side with inwardly and downwardly turned flange engaging said flange at the lower longitudinal edge of the apron, substantially as specified.

4. The combination with a sheet metal apron having a downwardly and inwardly turned flange at its lower longitudinal edge, of a removable long, deep, narrow, one piece sheet metal sap receptacle having integral bottom, sides, and ends and angle folds at the ends, and provided at the upper longitudinal edge of its inner side with an inwardly and downwardly turned flange engaging said flange at the lower longitudinal edge of the apron, said receptacle being furnished with integral locking lips to hold the angle folds in place at the ends of the receptacle, substantially as specified.

5. The combination with a sheet metal collecting apron of a removable sheet metal sap receptacle having integral bottom, upright sides and flaring ends, and integral overlapping angle folds at the flaring ends of the receptacle, and provided with integral locking lips, folded over the upper edges of the angle folds to hold the same in place and provided at the longitudinal upper edge of one of its upright sides with an inwardly turned flange to form a hook for supporting the receptacle, substantially as specified.

6. A one piece sheet metal sap receptacle having integral bottom, upright sides and flaring ends and integral angle folds at the flaring ends, the flaring ends having at their upper edges integral locking lips folding over the upper edges of the angle folds and one of the upright sides of the vessel being provided at its upper longitudinal edge with inwardly and downwardly turned flange for supporting the receptacle, substantially as specified.

7. The combination with a sheet metal collecting apron of a removable one piece sheet metal receptacle having bottom, sides, ends and angle folds, one of the sides having at its upper longitudinal edge a supporting hook and the vessel being furnished with integral locking lips turned over the upper edge of the receptacle to hold the angle folds in place, substantially as specified.

8. The combination with a sheet metal collecting apron of a removable one piece sheet metal sap receptacle having integral bottom, sides, ends and angle folds, the ends having integral locking lips folded outwardly over the upper edges of the angle folds to hold the same in place, the upper longitudinal edge of one of the sides having an inwardly turned flange and the upper edge of the other side of the receptacle having an outwardly projecting flange, substantially as specified.

9. In a sheet metal sap receptacle, and apron, the combination with an apron having an integral supporting hook upon its lower side, of a removable one piece sheet metal sap receptacle having integral bottom upright sides and ends, and integral angle folds at the ends, the innerside of the receptacle having at its upper edge a hook member proportioned to engage the hook upon the lower side of the apron, substantially as specified.

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

EDWIN A. McKOY.

Witnesses:
JOHN L. FLETCHER,
L. L. MORRILL.