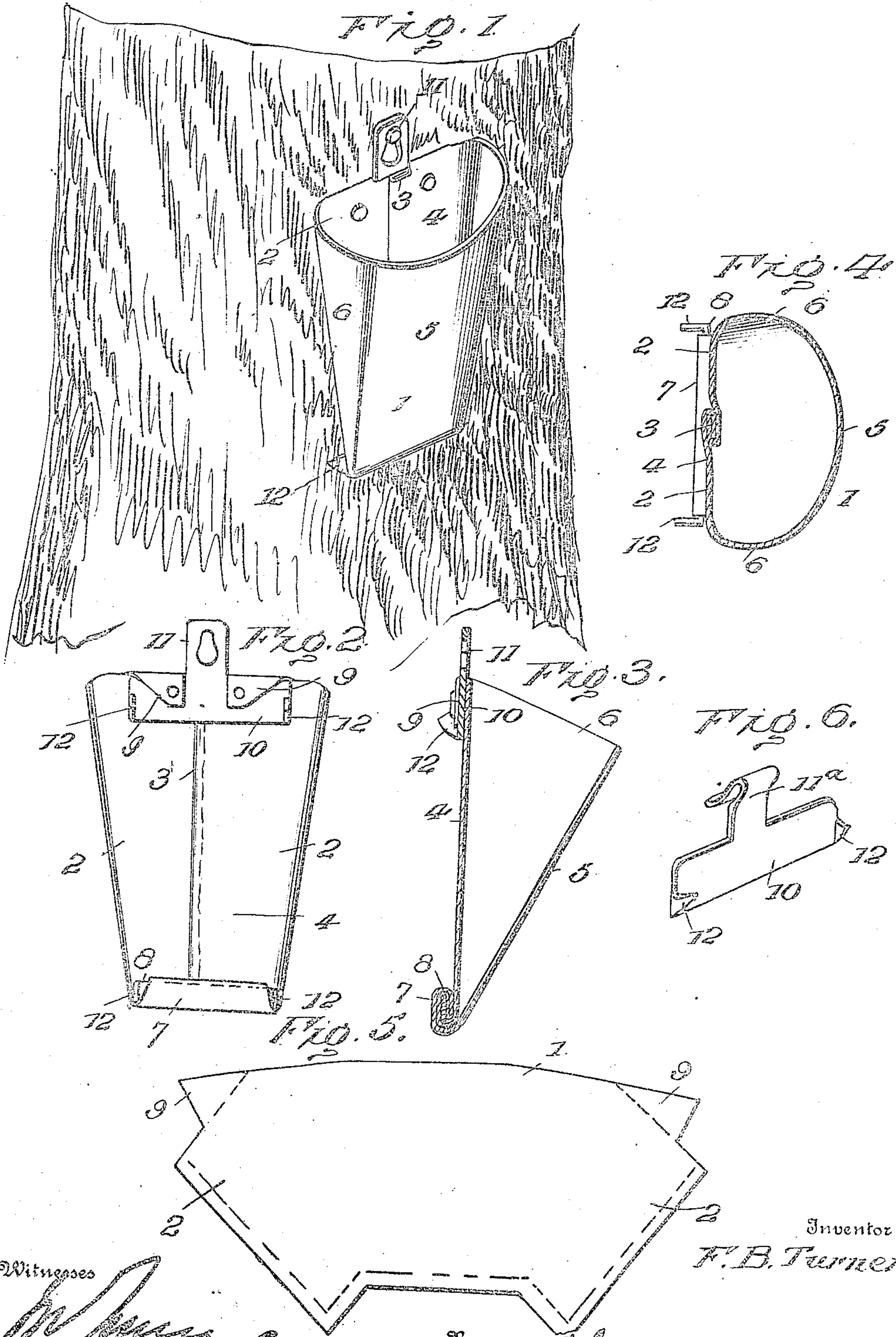


F. B. TURNER.
TURPENTINE CUP.

APPLICATION FILED DEC. 28, 1908.

923,387.

Patented June 1, 1909.



Witnesses

[Signature]

[Signature]

Inventor

F. B. Turner

33 1/2

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UNITED STATES PATENT OFFICE.

FRANK B. TURNER, OF OCALA, FLORIDA.

TURPENTINE-CUP.

No. 923,387.

Specification of Letters Patent.

Patented June 1, 1909.

Application filed December 28, 1908. Serial No. 469,538.

To all whom it may concern:

Be it known that I, FRANK B. TURNER, citizen of the United States, residing at Ocala, in the county of Marion and State of Florida, have invented certain new and useful Improvements in Turpentine-Cups, of which the following is a specification.

This invention comprehends certain new and useful improvements in sap collecting devices of that type adapted particularly for application to pine trees or the like to receive the crude turpentine or other oleoresinous liquids exuding therefrom, and the invention has for its object an improved sap cup which is primarily intended for use in conjunction with the improved trough described and claimed in my application for patent, Serial No. 446,749, allowed December 1, 1908. And a further object of the invention is an improved turpentine cup that is susceptible of being readily applied to the tree and is held thereon in a peculiar manner against accidental detachment, that is so formed that the turpentine may be removed therefrom with facility, that embodies to a marked degree the characteristics of simplicity, durability and efficiency in construction, and consists of comparatively few parts that may be easily and cheaply manufactured, and that possesses certain other advantages that further recommend the cup to those for whom the device is intended.

With these and other objects in view that will more fully appear as the description proceeds, the invention consists in certain constructions and arrangements of the parts that I shall hereinafter fully describe, and then point out the novel features thereof in the appended claims.

For a full understanding of the invention and the merits thereof, and to acquire a knowledge of the details of construction, reference is to be had to the following description and accompanying drawing, in which:

Figure 1 is a perspective view showing the application of my improved sap cup; Fig. 2 is a rear elevation thereof; Fig. 3 is a longitudinal section; Fig. 4 is a transverse section; Fig. 5 is a view showing the blank from which the cup is constructed; and, Fig. 6 is a detail perspective view of the upper reinforcing strip, showing another form of attaching member.

Corresponding and like parts are referred

to in the following description and indicated in all the views of the drawing by the same reference characters.

My improved sap cup is designed to be constructed of a piece of sheet metal or other suitable blank material 1 which is initially of the form illustrated in Fig. 5, and the side portions or flaps 2 of which are correspondingly doubled upon themselves with their longitudinal edges overlapping, as indicated at 3, and secured together in any approved manner. These folded portions or flaps 2 constitute the back or rear wall 4 of the cup which is substantially flat so as to lie snugly against the trunk of the tree, and which is seamed medianly by the overlapping edges 3. The intermediate portion of the piece of metal 1 constitutes the front 5 and the sides 6 of the vessel, the same being preferably convex so that the cup is substantially semicircular in horizontal section, for a purpose to be presently disclosed. The sides 6 and the front and back 4 and 5 all converge downwardly, while the latter two meet at the lower end of the vessel, as shown, the metal at such lower end being returned upon itself rearwardly, as indicated at 7, and being bent around a reinforcing strip 8. This reinforcing strip is of heavier material than that forming the main portion of the cup, and is disposed transversely of the rear wall 4, crossing the longitudinal seam thereof so as to strengthen the structure as a whole and particularly assisting in holding the folded portions or flaps 2 against disconnection. At its upper edge, the rear wall 4 is formed with two transversely spaced ears 9 which are doubled upon themselves rearwardly to embrace a second reinforcing strip 10 which extends transversely of the rear wall, similarly to the first strip and which is retained in position by suitable fastening means passing therethrough and through the ears 9 and the rear wall 4. The uppermost reinforcing strip 10 carries an attaching member 11 which projects upwardly between the spaced ears 9 and above the corresponding edge of the rear wall 4, and which in the present instance, is formed with an inverted key-hole-shaped eye adapted to be engaged with a nail or the like to suspend the cup therefrom. In order to further secure the cup in position upon the tree and prevent it from becoming accidentally detached, as by being blown down, I have disposed the ex-

tremities of the reinforcing strips 8 and 10 rearwardly to constitute spurs 12 arranged to penetrate the bark of the tree.

In the practical use of my improved turpentine cup, the same may be conveniently detached from the tree by moving the cup forwardly sufficiently to disengage the spurs 12 from the bark and thus admit of the upward movement of the cup in detaching the member 11 from the suspending nail. Inasmuch as the front and sides are of convex form, it will be apparent that these may be readily grasped in the manipulation of the cup. Furthermore, since the front and rear walls meet at the lower end of the vessel, it will be seen that no flat bottom is provided, and hence the turpentine may be removed with facility after being loosened from the converging walls, it being a well known fact that it is difficult to remove turpentine from vessels having a flat bottom, since the liquid tends to adhere thereto.

From the foregoing description, in connection with the accompanying drawing, it will be apparent that I have provided an improved turpentine collecting vessel which may be substantially formed from a blank of sheet metal and may be thus manufactured at a minimum cost; which is reinforced by strips of heavier metal to provide a more durable structure; which is adapted to engage the trunk of a tree so as to be held effectually in position thereon against accidental detachment, and which has a comparatively large mouth portion through which the turpentine may be readily removed.

It is to be understood that I do not limit myself to the specific form of attaching member before described, but if desired, may employ an attaching member 11^a which is of substantially hooked form, as illustrated in Fig. 6, and which is adapted to engage a staple driven in the tree.

Having thus described the invention, what I claim is:

1. A sap cup having a separate reinforcing strip secured transversely thereof and provided intermediate of its end with attaching means, the extremities of the strip being out turned to constitute spurs for engaging the tree supplementary to the said attaching means.

2. A sap cup constructed of a blank of sheet metal bent to form front, side and back walls, the back wall being seamed medianly, the metal at the lower end of the cup being returned upon itself rearwardly, a reinforcing strip disposed transversely of the back wall and secured thereto by the returned portion, and a second reinforcing strip disposed transversely of the back wall in proximity to the upper edge thereof.

3. A sap cup constructed of a blank of sheet metal bent to form front, side and back walls, the back wall being seamed medianly, a reinforcing strip disposed transversely of the back wall at the lower end thereof, said back wall being formed at its upper edge with rearwardly and downwardly disposed spaced ears, and a second reinforcing strip, crossing the back wall and secured between the same and the ears.

4. A sap cup constructed of a blank of sheet metal bent to form front, side and back walls, the back wall being seamed medianly, upper and lower reinforcing strips disposed transversely of the back wall and rigidly secured thereto, the upper reinforcing strip being formed with an attaching member and the extremities of said strips being angularly disposed to constitute spurs operating with the attaching member, as and for the purpose specified.

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

F. B. TURNER. [L. s.]

Witnesses:

E. L. CARNEY,
WM. L. COLBERT.