30. CUTLERY.

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E. H. WALTON.

TURPENTINE HACK.

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Fig. 1.

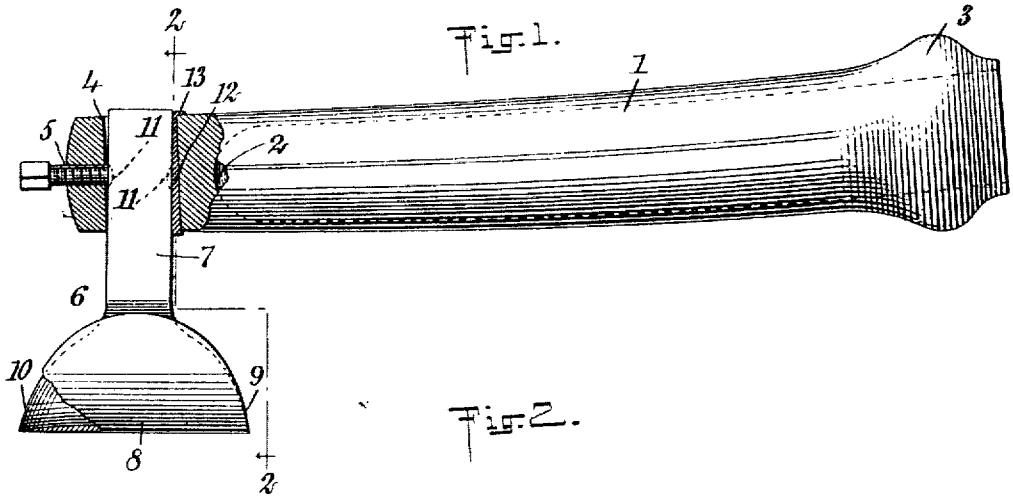
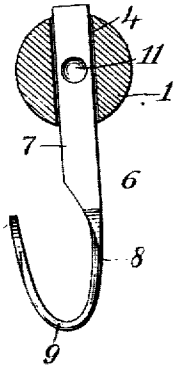


Fig. 2.



WITNESSES

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TURPENTINE-HACK.

No. 865,833. Specification of Letters Patent. Patented Sept. 10, 1907.

Application filed May 18, 1907. Serial No. 374,390.

To all whom it may concern:

Be it known that I, EDGAR HILL WALTON, a citizen of the United States, and a resident of Bay Minette, in the county of Baldwin and State of Alabama, have invented a new and Improved Turpentine-Hack, of which the following is a full, clear, and exact description.

This invention relates to turpentine hacks.

The object of the invention is to provide a simple, strong and durable turpentine hack, which is efficient in operation and inexpensive to manufacture, and which presents a reversible blade having a plurality of cutting edges.

A further object of the invention is to provide a turpentine hack having a stock of suitable form and weight and a removable, reversible V-shaped blade having opposite cutting edges, and suitably secured to the stock.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the views, and in which

Figure 1 is a side elevation of the turpentine hack, showing parts broken away; and Fig. 2 is a vertical cross-section on the line 2—2 of Fig. 1.

Before proceeding to a more detailed explanation of my invention it should be understood that in gathering turpentine it is customary to gash or box the trees to permit the flow of crude turpentine therefrom. The gashes may be cut into the bark of the tree by any suitable instrument but preferably by a turpentine hack having a V-shaped blade adapted to form a gash of suitable depth and width. In the turpentine hacks usually employed the blade has but a single cutting edge and if the latter should be dulled or broken for any reason, it may cause considerable delay as the operation of boxing the trees is often performed at a considerable distance from the turpentine camp or other source of supply. To provide a turpentine hack of efficient form and simple construction and at the same time to obviate the loss of time incident to the breaking of the blade, I provide a V-shaped blade having two cutting edges at the opposite sides, the blade being reversible. In the operation of the hack the stock is held in the hands of the operator and the blade is drawn along the bark of the tree, the edge being inward, toward the hand of the operator. For this purpose it is necessary to provide a reversible blade in my invention, in case the inner blade should break or become dulled.

Referring more particularly to the drawings, 1 represents the stock or handle of the turpentine hack; the handle is preferably formed of malleable iron or other suitable metal and has a longitudinal recess 2 therein to decrease the weight of the same. By means of the recess which may be of any depth, the weight of the handle can be adjusted to suit the operator. At the end, the stock is formed into an annular extension to constitute a handle knob 3. At the opposite end, the stock has a transverse opening 4 therethrough. A set-screw 5 is arranged at the end of the stock in a suitably threaded opening and extends through into the opening 4 longitudinally of the stock.

I provide a blade 6 having a shank 7 preferably of rectangular cross-section, and adapted to be arranged loosely in the opening 4 of the stock which preferably is also of rectangular cross-section. The blade 6 has an extended cutting member 8 integral with the shank 7 and bent back upon itself to constitute a V-shape, as is shown most clearly in Fig. 2. The opposite edges 9 and 10 of the V-shaped blade member are sharpened to constitute the cutting edges. At its opposite sides the shank 7 is provided with recesses 11.

The shank 7 of the blade is arranged in the opening 4 in the stock and is secured firmly in position by means of the set-screw 5 which engages a recess 11 in the blade shank. I provide a wedge 12 having at one end a laterally disposed flange 13 and located in the opening 4 between the side of the opening and the shank 7 in order to incline the shank suitably with respect to the stock to permit the most efficient operation of the instrument. It will be understood that the shank of the blade must be inclined with respect to the stock to a certain extent, or in using the instrument the hand of the operator is liable to come in contact with the bark of the tree. The wedge 12 has a thinner end disposed toward the side of the stock opposite to the V-shaped blade 8, the flange 13 engaging the edge of the opening 4.

In using the instrument, the cutting edge toward the hand of the operator is employed in making gashes or boxings in the bark of the tree. In case the edge is destroyed or injured the blade can be reversed and the opposite cutting edge used. To reverse the blade it is merely necessary to loosen the set-screw, thereupon withdrawing the shank from the opening 4, turn the blade about, re-insert the shank into the opening, and again secure the blade in position by means of the set-screw 5, the end of the latter engaging the recess 4 in the edge of the shank.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:—

1. In a device of the class described, a stock having an opening therethrough, a reversible blade having a shank presenting a V-shaped cutting member, said cutting member having cutting edges at the opposite ends thereof, said shank being removably arranged in said opening of said stock, an adjusting wedge arranged in said opening to engage said shank and said stock, and adjusting means for engaging said shank at the side remote from said wedge, to hold said blade in position.

2. In a device of the class described, a stock having an opening therethrough, a reversible blade having a shank presenting a V-shaped cutting member, said cutting mem-

ber having cutting edges at the opposite ends thereof, said shank being removably arranged in said opening of said stock, an adjusting wedge arranged in said opening to engage said shank, and a set-screw adjustably engaging said shank at the side remote from said wedge, to hold said blade in position.

3. In a device of the class described, a stock having an opening therethrough, a reversible blade having a shank presenting an extended portion bent to form a V-shaped cutting member, said cutting member having cutting edges at the opposite ends thereof, said shank being removably arranged in said opening of said stock, an adjusting wedge arranged in said opening to engage said shank, said stock having at the end a threaded opening communicating with said first opening, and a set-screw arranged in said threaded opening and engaging said shank to hold the same in position.

4. In a device of the class described, a stock having a recess and an opening therethrough, a reversible blade having a shank presenting an extended portion bent to form a V-shaped cutting member, said cutting member having cutting edges at the opposite ends thereof, said shank being removably arranged in said opening of said stock, an adjusting wedge arranged in said opening to engage said shank, and a set-screw engaging said shank to hold the same in position.

5. In a device of the class described, a stock having a recess and an opening therethrough, a cutting blade having a shank, and an extended portion bent to form a V-shaped cutting member, said cutting member having cutting edges at the opposite ends thereof, an adjusting wedge arranged in said opening and having a laterally disposed flange engaging the edge of said opening, said shank having opposite recesses and a set-screw engaging one of said recesses of said shank to secure said shank in position in said opening.

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

EDGAR HILL WALTON.

Witnesses:

G. W. BURNS,

JULIUS RICHERSON.