E. O. BLACKWELL.

SECURING TAPS IN RECEPTACLES FOR HOLDING LIQUIDS.

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918,117. Patented Apr. 13, 1909.

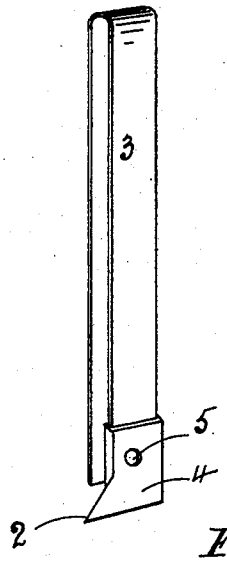


Fig. 1

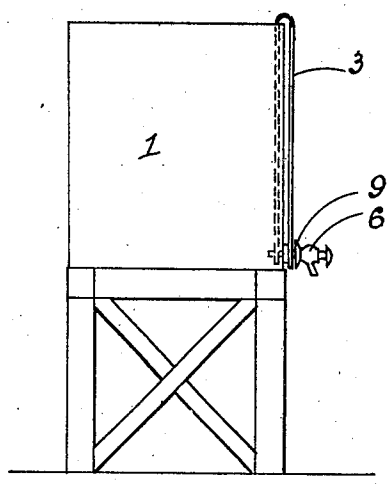


Fig. 2

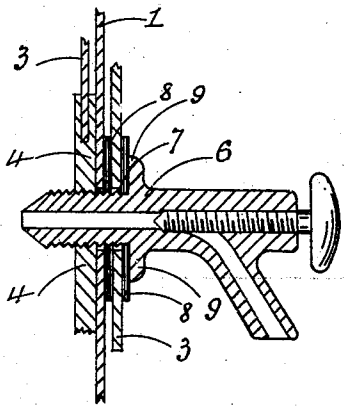


Fig. 3

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SECURING TAPS IN RECEPTACLES FOR HOLDING LIQUIDS.

No. 918,117. Specification of Letters Patent. Patented April 13, 1909.

Application filed November 3, 1908. Serial No. 460,941.

To all whom it may concern:

Be it known that I, EDWIN ORLANDO BLACKWELL, a subject of the King of Great Britain, and residing at Wynyard, Tasmania, Australia, sawmiller, have invented new and useful Improvements in Securing Taps in Receptacles for Holding Liquids, of which the following is a specification.

My invention has reference to means whereby a tap may be conveniently secured in a receptacle holding kerosene or other liquid substances for the purpose of drawing off the liquid as required from time to time.

My invention has for its object to secure the tap or other drawing off means, in some part of the full receptacle in such a way that the opening necessarily made for its reception, shall be securely closed after the tap has been placed in position. This I effect by introducing into the receptacle a piece of metal that acts as a nut into which the tap is screwed from the outside.

I may effect the purpose of my invention by employing a device shaped somewhat like an elongated U. One leg of the device is inserted in the can or receptacle while the other remains without the can. Upon the end of the inside leg is a sleeve or sock made more solid than the rest, wherein is a tapped hole constituting the nut, into which the tap can be screwed after it has been passed through the can or receptacle.

The invention will be better understood if reference is made to the accompanying drawing, in which,

Figure 1 shows the U device. Fig. 2 represents a can fitted with the invention and Fig. 3 is a sectional elevation of part of the wall of a can showing the arrangement for securing the withdrawing means in position.

The receptacle 1 for holding liquids is preferably placed in a position clear of the ground level and an incision made in its top near its side by means of the cutting tool 2. The tool 2 is attached to one of the ends of the elongated U shaped appliance 3. The piece 4, in which the tool 2 is formed, is made stouter than the member 3 to provide for a hole 5 being bored therein. The hole 5 is tapped with a thread corresponding with the thread upon the tap 6, thus constituting the member 4 as a nut. In the other end of the U piece 3 is another hole which coincides with hole 5, but this hole is not tapped and should be of slightly greater diameter than 5.

When it is desired to secure a tap or other like withdrawing means in the can or receptacle 1, an incision is first made in the top of the can near the side with the tool 2. The leg, on which is the member 4, is then inserted in the can which is turned on its side so that another opening can be made in the side of the can near the bottom. The can should be so placed that when the puncture is made the liquid will not escape.

The screwed stem of the tap 6 is passed through the opening 7 in the outside leg of 3 upon each face of which is a piece of suitable packing 8. The tap stem is then pushed through the perforation in the can or receptacle until it enters the hole 5 in the piece 4. It will be guided thereinto by the conical extremity of the tap stem, which is then screwed into position. By screwing up the tap until the member 4, can 1, packing 8 and the outside leg of 3 are all pressed against the flange 9 of the tap, a secure joint will be formed which will not leak when the can is placed upright.

I do not wish to confine myself to any particular point on the can for inserting the member 3 as it may be introduced at the top or at a point on the sides near the top, the object being in every instance to insure that the tap shall be secured in such a position that all or nearly all the contents of the can shall be drawn off through the tap. Neither do I confine myself to the form of tap as shown, as any convenient drawing off means may be used having a flange as 9. The member 3 can be made of any light, fairly strong material and need not necessarily be so wide as shown in the drawing. The nut piece 4, however, should be substantial enough to provide for an efficient thread in the hole 5.

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

1. Means for securing a tap in a liquid holder comprising a U shaped strap, a nut upon one end thereof that is inserted into the liquid holder and a tap the stem of which is adapted to be screwed into the nut from outside the holder and means for securing the joint and for drawing all the parts tightly together.

2. In combination, a can, a U shaped strap, a nut and a cutting device upon one end thereof and packing material upon the outer end of the strap, a tap that is passed through the

outer end of the strap and the can and screwed into the nut and means upon the tap for drawing all the parts together.

3. In combination, a can, a U shaped strap one part of which is within a liquid holder or can while the other part is without, a nut upon the inner end and packing material upon the other end in which also is a perforation, a tap having a threaded stem that is inserted in the perforation and passed through the can and threaded with the nut, and a flange upon the tap against which all the parts may be tightly pressed by means of the screwed thread and the nut, as herein described.

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

EDWIN ORLANDO BLACKWELL.

Witnesses:

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A. G. BLACKWELL.