March 18, 1924. 1,487,674

A. C. STARBIRD

FIRE EXTINGUISHER

Filed Aug. 1, 1922

Fig. 1.

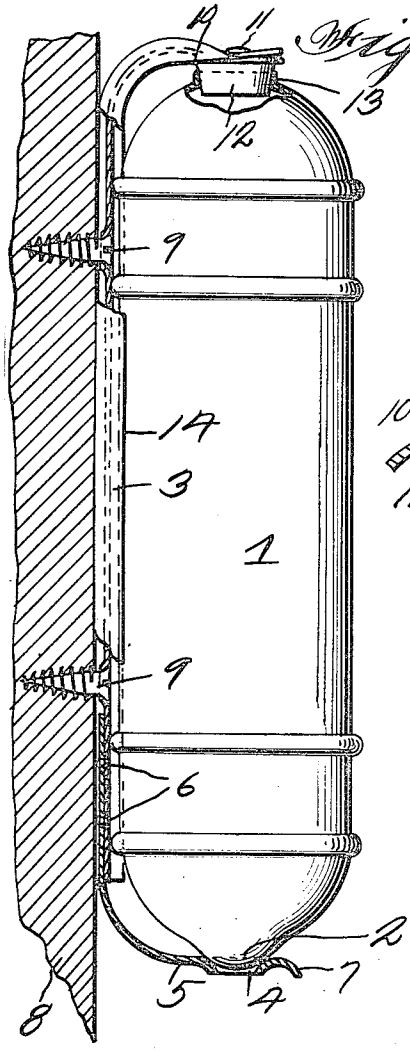


Fig. 2.

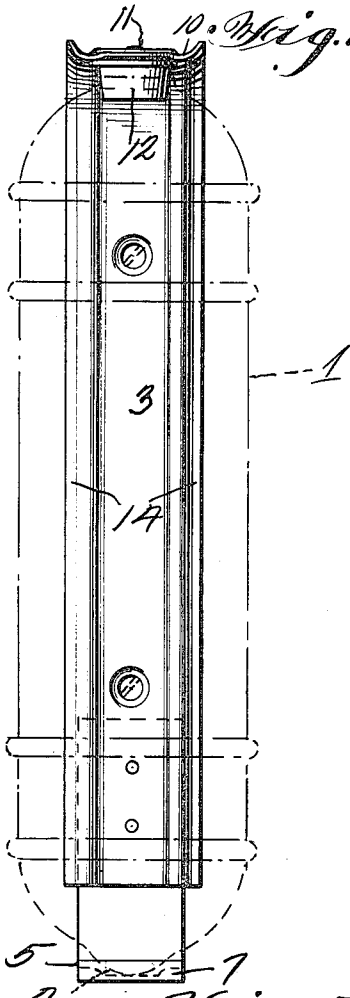


Fig. 5.

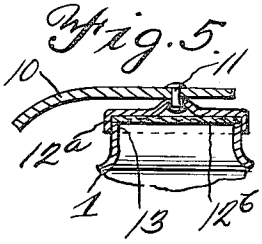


Fig. 3.

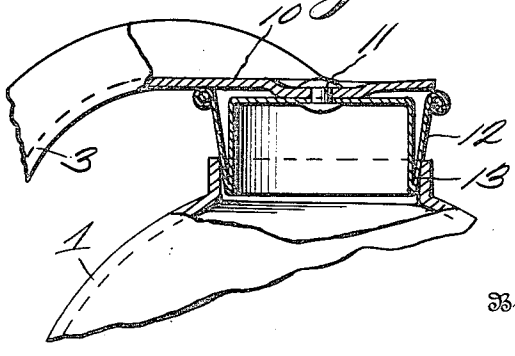
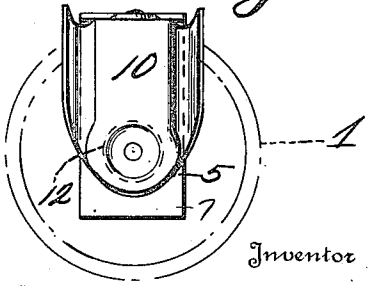


Fig. 4.



Inventor

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Patented Mar. 18, 1924. 1,487,674

UNITED STATES PATENT OFFICE.

AUSTIN C. STARBIRD, OF APOPKA, FLORIDA, ASSIGNOR TO FIREITE EXTINGUISHER CO., OF MASONTOWN, PENNSYLVANIA, A CORPORATION OF DELAWARE.

FIRE EXTINGUISHER.

Application filed August 1, 1922. Serial No. 578,930.

To all whom it may concern:

Be it known that I, AUSTIN C. STARBIRD, a citizen of the United States, residing at Apopka, in the county of Orange, State of Florida, have invented a new and useful Fire Extinguisher; 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.

The invention relates to fire extinguishers particularly adapted for use in connection with motor driven vehicles, and has for its object to provide a device of this character wherein a receptacle is supported between spring arms of a bracket in such a manner that it may be easily and quickly grasped by the operator and removed from the bracket.

A further object is to provide the bottom of the receptacle with a convexed portion, thereby preventing the receptacle from standing up, thereby requiring the operator to replace the receptacle in the bracket.

A further object is to provide the upper end of the bracket with a rotatable tapered metallic stopper adapted to be received within the mouth of the receptacle, said stopper being removed from the mouth of the receptacle when the receptacle is pulled from the bracket.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawing, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawing:

Figure 1 is a side elevation of the fire extinguisher and supporting bracket, part of the bracket being broken away.

Figure 2 is a front elevation of the bracket, the fire extinguisher being shown in dotted lines.

Figure 3 is an enlarged vertical sectional view through the upper end of the receptacle, the stopper, and a portion of the bracket.

Figure 4 is a top plan view of the bracket.

Figure 5 is a detail sectional view through the upper end of the device, showing a cap closure for the receptacle opening.

Referring to the drawing, the numeral 1 designates the receptacle forming the fire extinguisher, which receptacle has a semi-spherical bottom 2 which prevents the receptacle from being stood up, and consequently requires the operator to replace the receptacle in the bracket 3 after use. The end of the semi-spherical portion 2 of the fire extinguisher is received in a tapered opening 4 in the outwardly extending spring arm 5 of the bracket 3, which arm is secured to the bracket by means of rivets 6. The outer end of the arm 5 curves downwardly and outwardly as at 7, thereby allowing the arm to be flexed downwardly by the semi-spherical end 2 of the fire extinguisher when the lower end of fire extinguisher is forced inwardly to a position where it will be received by the aperture 4. The bracket 3 is secured to a support 8 by means of screws 9, preferably to a portion of a vehicle.

Extending outwardly from the upper end of the bracket 3 is a relatively stiff arm 10, which overlies the upper end of the fire extinguisher 1 and has pivotally connected at 11 to the under side thereof a tapered stopper 12, which stopper is received in the discharge opening 13 in the upper end of the extinguisher 1. By tapering the stopper 12 it will be seen that when the operator grasps the lower end of the extinguisher and pulls outwardly on the same for disengaging the semi-spherical end 2, the tapered stopper will move easily out of the mouth of the extinguisher. By pivotally mounting the tapered stopper 12, it is obvious that the seal thereof will not be broken by rotation of the extinguisher supported in the bracket and that upon removal of extinguisher the hand of the operator may move to a normal position during the outward pull on the lower end of the extinguisher. The bracket 3 is preferably provided with spaced reinforcing ribs 14, which are adapted to engage the receptacle upon opposite sides of the center and define a seat for said receptacle.

From the above it will be seen that a supporting bracket and fire extinguisher is provided which is simple in construction and supported in such a manner that the fire extinguisher may be easily and quickly removed from the bracket and the extinguisher opened during a removal operation. It will also be seen that the device

is so constructed as to compel the operator to replace the extinguisher in the bracket after using the same.

Referring to Figure 5, it will be seen that the discharge opening 13 of the receptacle 1 is closed by a cap 12^a instead of a stopper, which cap is pivoted to the arm 10 by means of the rivet 11, the same as in the form shown in Figure 1. Disposed within the cap 12^a is a lining 12^b preferably formed from cork, which lining makes an airtight joint. In this form the operation is substantially the same as in Figure 1.

The invention having been set forth what is claimed as new and useful is:—

In a fire extinguisher, a bracket having a resilient arm at its upper end, and means at its lower end for supporting a fire extinguisher, a fire extinguisher supported by said means and having a discharge opening in its upper end, a resilient sheet metal cap secured to the resilient arm, the walls of the cap being bent upon themselves intermediate their ends and extended at an angle with respect to the walls of said opening, and disposed within the same.

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

AUSTIN C. STARBIRD.

Witnesses:
W. G. TALTON,
C. J. JACKSON.