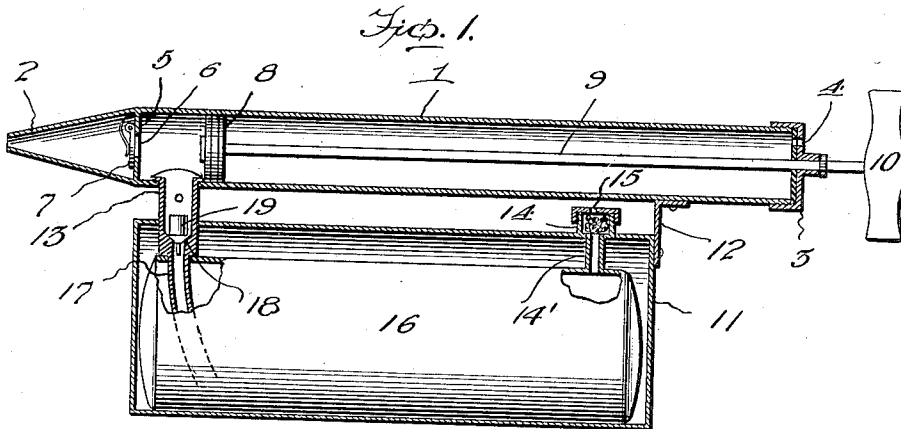
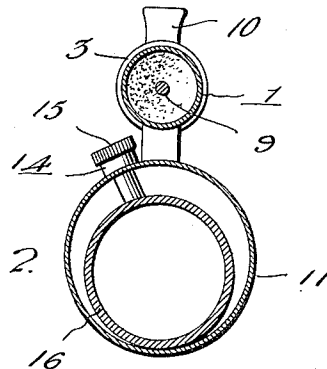
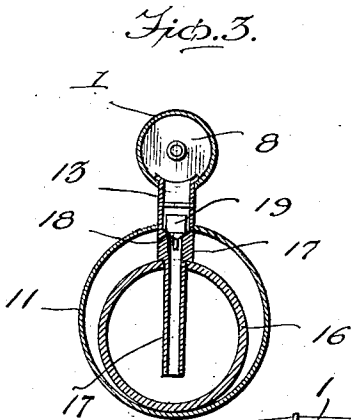
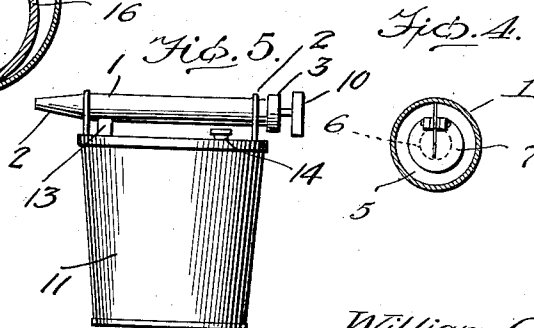


W. CREAMER.  
FIRE EXTINGUISHER.  
APPLICATION FILED MAR. 8, 1918.

1,279,992.

Patented Sept. 24, 1918.



Witnesses:

*P. M. Hunt.*  
*L. Wilcox*

Inventor  
*William Creamer.*

By *Victor J. Evans*  
Attorney

# UNITED STATES PATENT OFFICE.

WILLIAM CREAMER, OF BALTIMORE, MARYLAND.

## FIRE-EXTINGUISHER.

1,279,992.

Specification of Letters Patent. Patented Sept. 24, 1918.

Application filed March 8, 1918. Serial No. 221,254.

*To all whom it may concern:*

Be it known that I, WILLIAM CREAMER, a citizen of the United States, residing at Baltimore, and State of Maryland, have invented new and useful Improvements in Fire-Extinguishers, of which the following is a specification.

This invention relates to fire extinguishers of the class wherein a liquid extinguishing fluid is employed and carried therein, and a pump by which the liquid may be thrown upon the fire, and it consists in the novel features hereinafter described and claimed.

With this object in view the extinguisher includes a pump having a casing attached thereto. A barrel is located within the casing and a pipe connects one end portion of the barrel with the pump. The said pipe passes through the side of the casing. The casing incloses a volume of air which surrounds or practically surrounds the barrel. The double wall delays freezing to a slight extent even when the barrel is made of metal.

A valve is located in the pipe which connects the barrel with the pump and a vent is provided for admitting air into the barrel.

In the accompanying drawing:

Figure 1 is a longitudinal sectional view of the fire extinguisher.

Fig. 2 is a transverse sectional view thereof cut at a point approximately mid-way between the ends.

Fig. 3 is a similar view cut on a line which traverses the length of the pipe which connects the pump with the barrel.

Fig. 4 is a front elevation of a valve which is used at the nozzle of the pump.

Fig. 5 is a side elevation of a modified form of the extinguisher showing a bucket or receptacle to which the pump is applied.

The fire extinguisher includes a cylinder 1 which is provided at one end with a nozzle 2 and at its opposite end with a detachable cap 3. The cap 3 is provided with a vent 4. A partition 5 is located in the cylinder 1 in the vicinity of the nozzle 2 and is provided with an orifice 6 which is normally closed by a spring pressed valve 7. The valve 7 is arranged to swing toward the nozzle 2 when it uncovers the orifice 6. A piston 8 is slidably mounted in the cylinder 1 and fits snugly therein. A rod 9 is connected at one end with the said piston 8 and passes through the center of the cap 3. The

outer end of the rod 9 is provided with a suitable handle 10.

A casing 11 is connected with the cylinder 1 by means of suitable strips 12 and a pipe 13 also connects the casing 11 with the cylinder 1. The casing 11 is provided with a nipple 14 which is normally closed by a vented cap 15.

A barrel 16 of lead or any other suitable metal which will not corrode is located in the casing 11 and is substantially spaced from the inner surface thereof. A pipe 17 is located in the barrel 16 and communicates at its upper end with the pipe 13. The pipe 13 is provided with a valve seat 18 against which a valve 19 normally rests. The barrel 16 may contain a solution of pearl ash or potash, common soda, sulfuric acid and burnt alum compounded in suitable proportion to act as a fire extinguishing agent when sprinkled over or forced on the same or any other suitable solution may be used. A pipe 14' connects the nipple 14 with the upper portion of the barrel 16.

When the extinguisher is to be used an operator directs the nozzle 2 toward the flame or fire and by using the handle 10 the rod 9 is moved longitudinally whereby the piston 8 is reciprocated in the body or cylinder of the pump 1. Thus the liquid contained in the barrel 16 is drawn up through the pipes 17 and 13 and expelled by the piston 8 through the orifice 6 and the nozzle 2 directs the liquid to the fire.

From the foregoing description taken in conjunction with the accompanying drawing it will be seen that a fire extinguisher of simple and durable structure is provided and that the same may be easily and readily used by persons who are unfamiliar with the same for ejecting a fire extinguishing liquid upon a fire to put the same out.

Having described the invention what is claimed is:—

A fire extinguisher comprising a cylinder having a valve controlled orifice, a piston slidably mounted in the cylinder, a casing connected with the cylinder, a barrel located in the casing and spaced from the same, a vented pipe entering the barrel and a valve controlled pipe connecting the barrel with the cylinder, both of said pipes passing through the side of the casing.

In testimony whereof I affix my signature.

WILLIAM CREAMER.