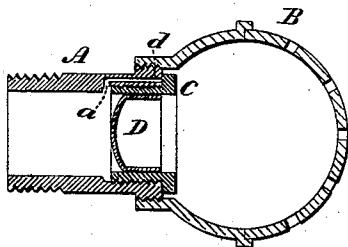


(No Model.)

A. M. BURRITT.
FIRE EXTINGUISHER.

No. 243,847.

Patented July 5, 1881.



Witnesses

J. H. Shumway
L. D. Rogers

Albert M. Burritt,
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By *Att'y.*

John E. Earle

UNITED STATES PATENT OFFICE.

ALBERT M. BURRITT, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE
A. BURRITT HARDWARE COMPANY, OF SAME PLACE.

FIRE-EXTINGUISHER.

SPECIFICATION forming part of Letters Patent No. 243,847, dated July 5, 1881.

Application filed April 30, 1881. (No model.)

To all whom it may concern:

Be it known that I, ALBERT M. BURRITT, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new Improvement in Fire-Extinguishers; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents a longitudinal central section.

This invention relates to an improvement in that class of fire-extinguishers which consist of a perforated cap, or what is commonly called a "rose," to which water is admitted in case of fire to be distributed by said rose in the form of spray, and particularly to that class in which a plug in the water-way is liberated by the heat generated by the fire, so as to automatically permit the escape of water to extinguish the fire.

As usually constructed, there is no provision for testing the pipes at the discharge, except to detach the plug.

The object of this invention is to provide a convenient means for examining the pipe at the discharge to ascertain whether or not a flow of water is sure to follow the opening of the water-way; and it consists in the arrangement of the plug within a collar screwed into the water-way, so that by loosening the collar the water-way may be opened and without detaching the plug, as more fully hereinafter described.

A represents the neck or water-way; B, the rose, which is attached thereto; C, a collar, which is screwed into the water-way before the rose is attached. Into this collar the plug D is fitted, and secured by solder or other material fusible at a low degree of heat, or may be

a plug composed entirely of fusible material. When the collar C is screwed into place it completely stops the flow of water, and when the requisite heat is applied the plug D will be released in the usual manner. If at any time it is desired to examine the pipe, the rose may be removed and the collar unscrewed to open the flow, and when found to be in order the collar may be returned.

To avoid the entire removal of the collar a channel, *a*, may be made from the water-way below the collar outward, and terminating beneath the flange of the collar C, as at *d*, the said flange closing tight upon the channel at *d*, to prevent the escape of water, but so that when the collar is slightly unscrewed the channel will permit water to escape should everything be in order.

By this construction the pipe may be examined at the discharge at any time and without detaching the plug.

I claim—

1. The combination of a rose and water-way of a fire-extinguisher with a collar screwed into the water-way and a plug secured in said collar by a connection fusible at a low degree of heat and independent of the distributor, so that the collar may be unscrewed without disturbing the plug, substantially as described.

2. The combination of a rose and water-way of a fire-extinguisher with a flanged collar screwed into the water-way, a plug secured in said collar by a fusible connection, and a channel leading from the water-way below the collar to a point beneath the flange on the collar, substantially as described.

ALBERT M. BURRITT.

Witnesses:

JOHN B. DOHERTY,
EUGENE J. DAVIS.