

(No Model.)

G. W. HOGLEN.

VESSEL FOR FIRE EXTINGUISHERS OR OTHER PURPOSES.

No. 470,569.

Patented Mar. 8, 1892.

Fig. 1.

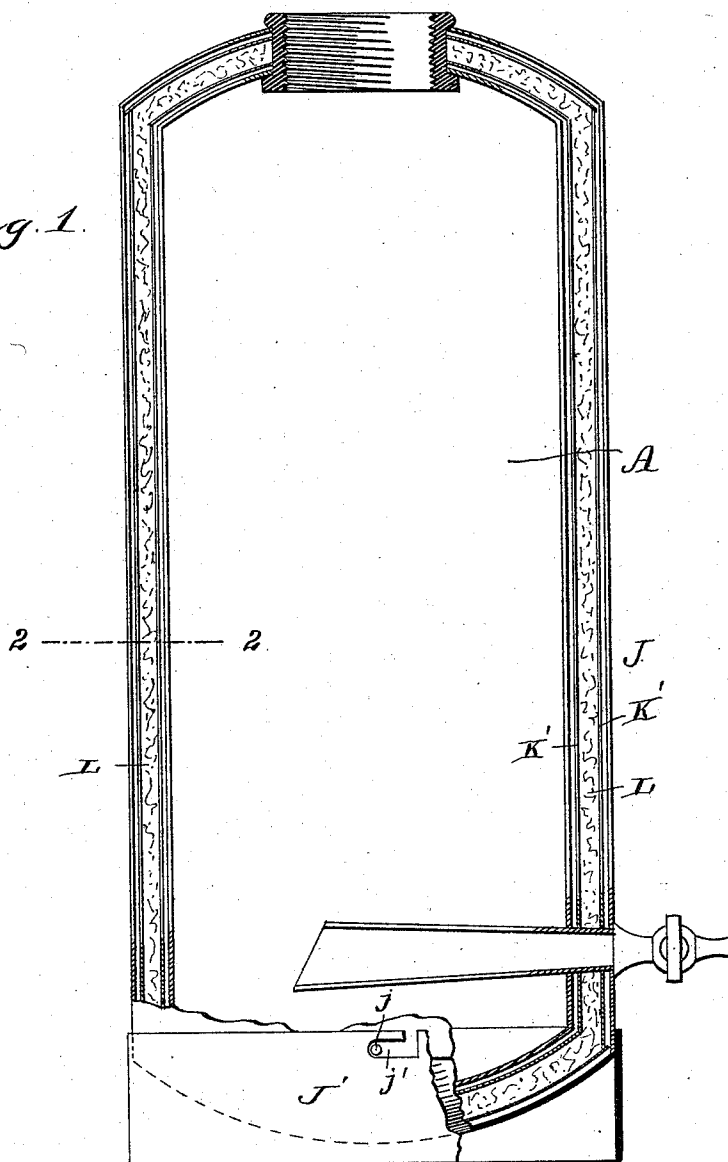
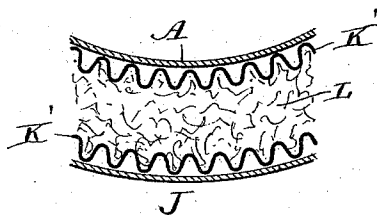


Fig. 2.



Witnesses
F. J. Benjamin
S. B. Brashers Jr.

Inventor
G. W. Hoglen,
by H. N. Low
att'y.

UNITED STATES PATENT OFFICE.

GEORGE W. HOGLEN, OF DAYTON, OHIO.

VESSEL FOR FIRE-EXTINGUISHERS OR OTHER PURPOSES.

SPECIFICATION forming part of Letters Patent No. 470,569, dated March 8, 1892.

Application filed September 7 1891. Serial No. 404,998. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. HOGLEN, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Vessels for Fire-Extinguishers or other Purposes; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

It is the object of my invention to provide an improved means for preventing the freezing of the liquid contents of vessels—such, for instance, as fire-extinguishers of that class which are usually placed in the rooms and halls of buildings and often in situations where they are exposed to very low temperature, and which I design to be at all times ready for instant use. The freezing of liquid contents sometimes causes the bursting of the reservoir and in any event renders the device temporarily useless.

With such object in view my invention consists in the parts and combinations thereof hereinafter more particularly described and claimed.

In order to make my invention more clearly understood, I have shown in the accompanying drawings means for carrying the same into practical effect, without, however, limiting my improvements to the exact construction which, for the sake of illustration, I have delineated.

In said drawings, Figure 1 is a vertical sectional view of the body or reservoir of a fire-extinguisher embodying my improvements. Fig. 2 is a sectional view of a portion of the same on line 2 2 of Fig. 1.

Referring to the drawings, A indicates the body or reservoir of the extinguisher, which may be of any desired material. In the drawings it is shown as made of sheet metal and as adapted for a fire-extinguisher of the class illustrated in my patent, No. 455,209, dated June 30, 1891; but it may be formed of glass

and adapted for that class of extinguishers the liquid-containing chamber of which is designed to be broken when the device is used.

In order to prevent the freezing of the alkaline solution, I provide the extinguisher-chamber A with a non-conducting covering, which will protect it from sudden changes of temperature. According to my improvements the chamber A is surrounded by a casing J, between which and the chamber is left a considerable space. The outer surface of the chamber and the inner surface of said casing are covered, Fig. 2, with a layer of corrugated tar-board or paper K', and between these layers the space is filled with wool, felt, or other equivalent material L. The contents of the chamber are thus most effectually protected, while any moisture or water of condensation forming upon the metal surface will be permitted to pass down the corrugations of the paper and prevented from dampening the felt and causing it to lose its non-conducting character. The bottom J' of the casing may be removable, as illustrated, for the purpose of causing access to the packing. Pins j, fixed in the casing J, and slots j' in the bottom, Fig. 1, serve to securely hold the latter in place.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a vessel for fire-extinguishers and other purposes, the combination, with the chamber A and an outer casing, of a non-conducting filling consisting of non-conducting board or paper K' and interposed material L, substantially as set forth.

2. In a vessel for fire-extinguishers and other purposes, the combination, with the chamber A and the non-conducting filling, of the casing J and the removable bottom J', substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

GEO. W. HOGLEN.

Witnesses:

JOHN ODGERS,
FRANK S. BREENE.