(No Model.)

# J. W. CLOUD.

## FIRE EXTINGUISHING APPLIANCE.

No. 360,998. Patented Apr. 12, 1887.

*Fig. 1.*


*Fig. 3.*

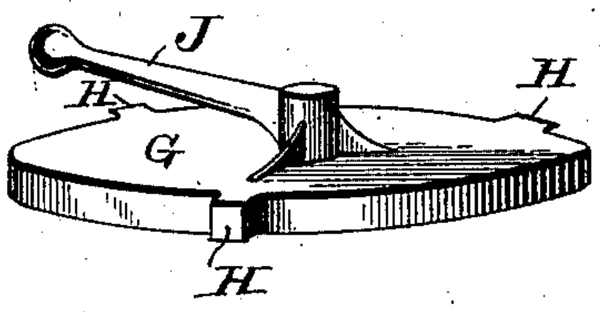
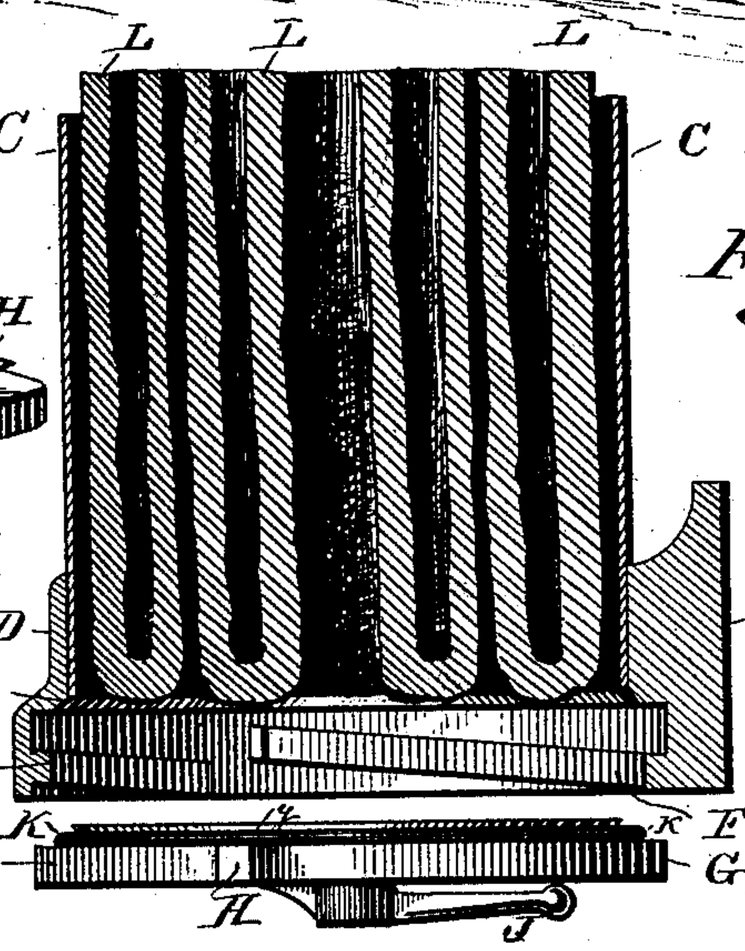



*Fig. 2.*




WITNESSES:

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JOHN. W. CLOUD, OF ALTOONA, PENNSYLVANIA.

## FIRE-EXTINGUISHING APPLIANCE.

SPECIFICATION forming part of Letters Patent No. 360,998, dated April 12, 1887.

Application filed January 18, 1887. Serial No. 224,675. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN W. CLOUD, of Altoona, county of Blair, State of Pennsylvania, have invented a new and useful Improvement in Fire-Extinguishing Appliances, of which the following is a true and exact description, due reference being had to the accompanying drawings, which form a part hereof.

The object of my invention is to provide a moistened non-combustible sheet or blanket—such as a sheet of asbestus—held in a suitable air-tight receptacle, or to provide a sheet or blanket of wool, asbestus, or other fabric, which may be kept constantly saturated with a solution, in water, of tungstate of soda, potash, alum, or other incombustible material, held in a suitable air-tight receptacle and arranged so as to be readily accessible. This I accomplish by constructing air-tight casings of an internal capacity sufficient to contain the saturated blanket or cloth when folded or compactly rolled up, and providing them with lids, which are secured to the casing by screws, wedge-lugs, or other footing devices, which enable the lid to be easily and rapidly removed, and act in use to keep it pressed against a gasket of rubber or other material which will make an air-tight joint.

Reference being now had to the drawings which illustrate my invention, Figure 1 is a view of one of my improved appliances secured to the wall of a room; Fig. 2, a section through the casing and an edge view of the lid, and Fig. 3 a perspective view of the lid.

A is my improved fire-extinguishing appliance, which is, as shown in Fig. 1, secured to the wall by means of lugs B′ and a bracket, B. Any convenient device may be used in place of these, the chamber or casing being either permanently or removably secured in place, or even left unsecured, as may be desired.

C is the main body of the casing, made preferably of sheet-copper or other sheet metal, and cylindrical in shape.

D is a rim, preferably cast, secured around the open end of the casing. It should be so constructed as not to project over the edges of the casing, or it might offer some resistance to the withdrawal of the blanket.

E is a seat or shoulder formed in the ring D for the gasket to rest against.

F F are inclined projections or threads formed in the rim D.

G is the lid of the casing; H H H, lugs adapted to engage with the threads F; J, a lever or handle secured to the lid G, and by which it can be easily turned.

K is a rubber gasket, which, as shown, is loosely secured to the lid by passing around a projection, *g*, on its inside.

L L is the blanket or cloth within the casing.

I prefer to secure my appliance with its removable end down, as shown, and in this case the catch or lug which bears its weight should be secured in some convenient way to the rim D, which is the strongest part of my apparatus, and well adapted to sustain it in place.

It is important that the rim should not interfere with the withdrawal of the blanket by projecting over the edge of the casing. The opening of the lid should enable the blanket to fall out of the smooth casing.

Any of the many well-known devices for securing lids on jars or stoppers in bottles may be used instead of the threads and lugs shown, care being taken in all cases that a disengaging device or lever should be provided, which will enable the lid to be loosened or removed with ease and rapidity.

By arranging my device at convenient points about any building or structure, a most efficient means for smothering and extinguishing fire is always at hand and always ready for use, as the fireproofing solution cannot evaporate, and the saturated blanket will always be ready for immediate use.

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

1. As a fire-extinguishing device, a moistened non-combustible blanket or sheet held in an air-tight receptacle and readily removable therefrom, substantially as and for the purpose specified.

2. As a fire-extinguishing device, a blanket or sheet saturated with non-combustible material held in an air-tight receptacle and readily removable therefrom, substantially as and for the purpose specified.

3. As a fire-extinguishing appliance, a tight casing adapted to contain a saturated blanket, and having a tight removable lid secured in a

rim attached to the mouth of the casing, but not projecting over the inner edge thereof.

4. As a fire-extinguishing appliance, a tight casing adapted to be secured to the wall of a structure and to contain a saturated blanket, and having a tight removable lid at its bottom secured in a rim attached to the mouth of the casing, but not projecting over the inner edge thereof.

5. In a fire-extinguishing appliance, substantially as shown and described, the combination of the smooth casing C, of sheet metal, adapted, as specified, to contain a saturated blanket, with the cast-metal rim D, having a seat, E, for the gasket, secured around the outside of the casing, the lid having a permanently-connected lever for its ready removal, gasket, and means for clamping the lid in place, substantially as specified.

6. In a fire-extinguishing appliance, substantially as shown and described, the smooth casing C, of sheet metal, having a substantially uniform cross-section and adapted to contain a saturated blanket, in combination with the rim D, secured around the open lower end of the casing, forming the seat for the lid thereof, and having lugs or projections, whereby it can be secured to a wall, substantially as specified.

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Witnesses:
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