

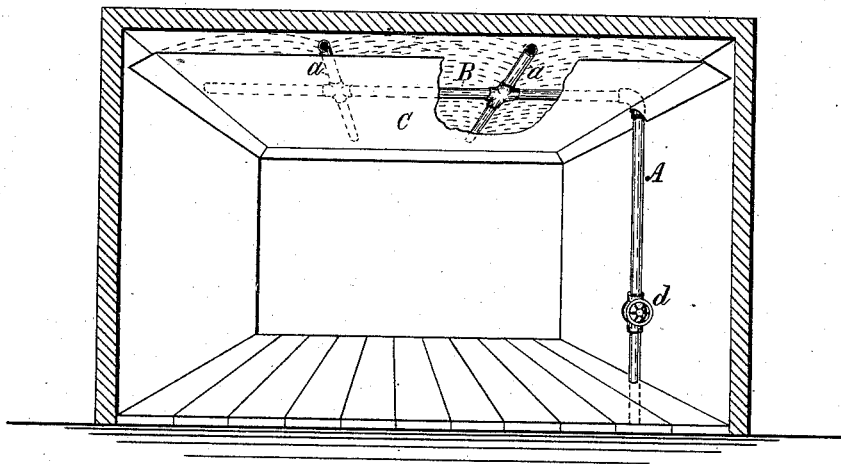
(No Model.)

A. A. SHOBE & E. FLANNIGAIN.

FIRE EXTINGUISHER.

No. 305,482.

Patented Sept. 23, 1884.



WITNESSES.

O. Hamilton.
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INVENTORS.

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By J. B. Davenport, Atty.

UNITED STATES PATENT OFFICE.

ABRAHAM A. SHOBE AND EDWARD FLANNIGAIN, OF JERSEYVILLE, ILL.

FIRE-EXTINGUISHER.

SPECIFICATION forming part of Letters Patent No. 305,482, dated September 23, 1884.

Application filed January 18, 1884. (No model.)

To all whom it may concern:

Be it known that we, ABRAHAM A. SHOBE and EDWARD FLANNIGAIN, of Jerseyville, in the county of Jersey and State of Illinois, have
5 invented a new and Improved Fire-Extinguisher; and we do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

10 Our invention relates to an improvement in fire-extinguishers; and it consists in the combination, with a series of perforated water-pipes depending from the ceiling of the room designed
15 to be protected, of a false ceiling adapted to shed the water falling from the perforated pipes against the walls of the building, so that while the ceiling, walls, and floor may be completely saturated with water the interior of the room
20 and its contents will be effectually protected against damage by water.

The figure in the drawing represents the interior of a room provided with our fire-extinguisher, in which—

25 A is a pipe connected with the street-main, or with an elevated water-tank.

B is a horizontal pipe depending from the ceiling, and from which branch out laterally
30 pipes *a a'*, &c., perforated on their upper sides with numerous small holes, each of said holes being adapted, as shown in the drawing, to project a small stream of water against the ceiling. The size of these holes and their
35 number are such that when the pipes are full of water under ordinary pressure the ceiling, walls, and floor may, by simply turning the inlet-valve *d* so as to admit the water from the main, be completely saturated in a few minutes, and thus render the ignition of even the
40 most inflammable parts of the building almost impossible; but it is obvious that the influx of such a volume of water, though extinguishing the fire, would in some cases prove very injurious to the contents of the room. Therefore,

to obviate this, we preferably combine with our series of perforated water-pipes a false ceiling; C, of tin or other suitable material, sustained below and in close proximity to the perforated pipes, and also slightly inclined downward from the center toward the walls, so as to shed,
50 as shown in the drawing, the water falling from the ceiling against the interior surfaces of the walls, and thence upon the floor, so as to flood the latter, thus effectually protecting the ceiling, walls, and floor against fire, and
55 the central part of the room and its contents against water.

In reference to buildings of more than one story, it will be noticed that the saturation of the ceilings of the lower rooms will afford considerable protection to the floors of the rooms above. It will be further noticed that the proximity of the pipes *a a'*, &c., to each other, and consequently their number, will depend mainly on the pressure of the water at hand,
65 those in the upper part of the building, when the water is derived from the lower part, being necessarily closer together than those in the lower part.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In a fire-extinguisher, the combination, with a series of perforated water-pipes, *a a'*, &c., connected together and located as herein shown
75 and described, of a false ceiling, C, adapted to shed the water falling from the true ceiling upon the vertical inner surfaces of the walls of the room, substantially as and for the purpose herein described.

In testimony that we claim the foregoing we have hereunto set our hands and seals this 10th day of January, 1884.

ABRAHAM A. SHOBE. [L. S.]

EDWARD FLANNIGAIN. [L. S.]

Witnesses:

H. S. SHEPHARDS,

WM. G. NALLEY.