(No Model.)

J. M. BAKER.

CELLAR PIPE FOR FIRE EXTINGUISHING PURPOSES.

No. 535,478. Patented Mar. 12, 1895.

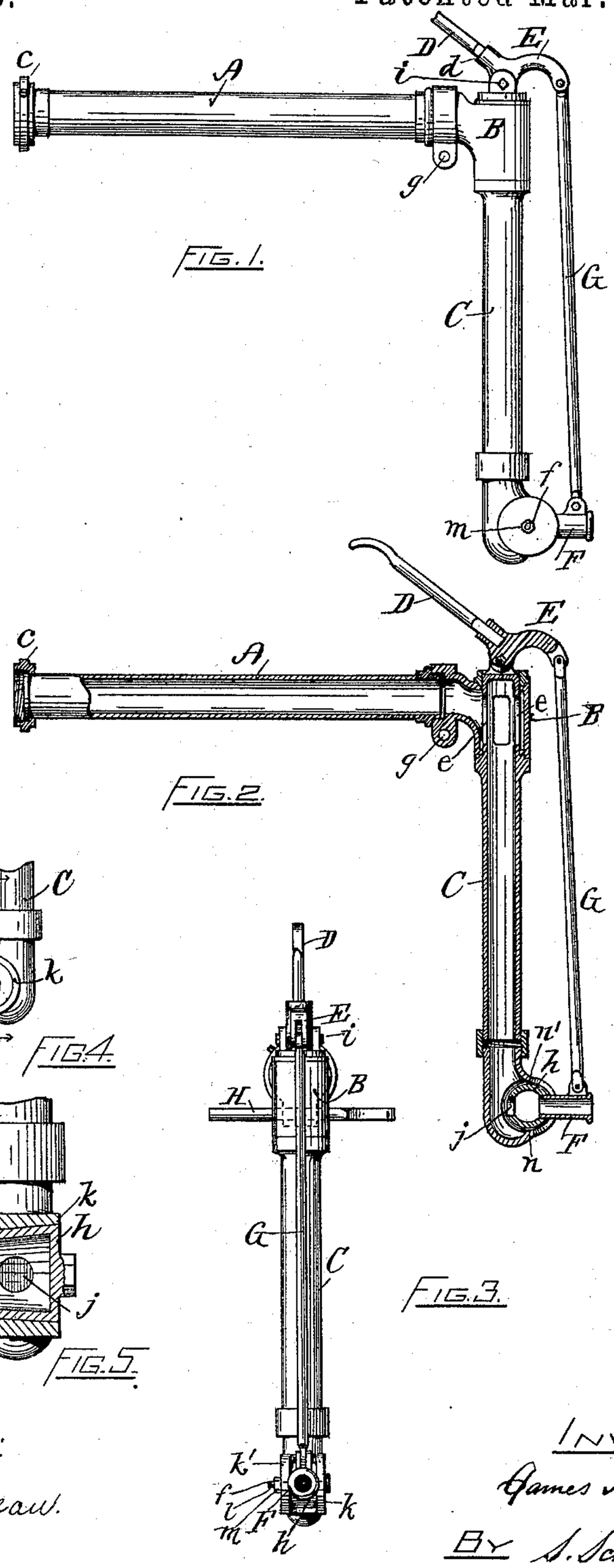

FIG. 1.

FIG. 2.

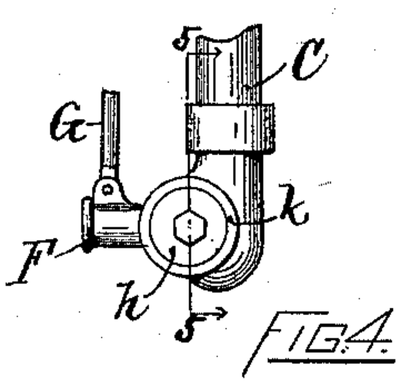

FIG. 4.

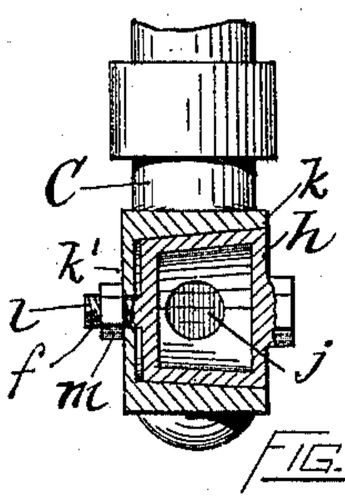

FIG. 5.

FIG. 3.

WITNESSES:

Harry J. Garceau.

James W. Brennan

INVENTOR

James M. Baker.

BY S. Scholfield.

ATTY.

UNITED STATES PATENT OFFICE.

JAMES M. BAKER, OF PROVIDENCE, RHODE ISLAND.

CELLAR-PIPE FOR FIRE-EXTINGUISHING PURPOSES.

SPECIFICATION forming part of Letters Patent No. 535,478, dated March 12, 1895.

Application filed July 11, 1894. Serial No. 517,250. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. BAKER, a citizen of the United States, residing at Providence, in the State of Rhode Island, have invented a new and useful Improvement in Cellar-Pipes for Fire-Extinguishing Purposes, of which the following is a specification.

The object of my invention is to provide an improved cellar-pipe for attachment to the fire-hose, by means of which water may be thrown at will through a hole in the floor of the room above, to all parts of the room below, and against the ceiling in all directions; and my invention consists in a drop-pipe adapted for axial revolution, and a vertically movable delivering nozzle, jointed to the drop-pipe and controlled in its position by the fireman, as hereinafter fully set forth.

In the accompayning drawings: Figure 1, represents a side elevation of the improved cellar-pipe, adapted for extinguishing fires through a hole made in the floor of the room above. Fig. 2, represents an axial section of the same. Fig. 3, represents a front elevation. Fig. 4, represents a side view of the lower end of the drop-pipe. Fig. 5, represents a section taken in the line 5, 5, of Fig. 4.

In the drawings, A represents the pipe which serves to connect the drop-pipe C with the fire-hose, the said connecting pipe being provided at one end with the screw-coupling *c*, and at the other end with the hollow head B, within which the drop-pipe C is jointed, the said pipe being adapted for turning axially in the head B, by means of the lever E and the hose wrench D, the said hose wrench being removably inserted into the socket *d* in the lever E, and the said lever being pivoted to the closed upper end of the drop-pipe C, at the point *i*.

The drop-pipe C is provided with the ports *e*, *e*, adapted for the entrance of the water from the pipe A to the cavity of the said drop-pipe; and to the lower end of the drop-pipe C, is pivoted the delivering nozzle F, which is adapted for vertical movement upon its pivot *f*, being connected with the outer end of the lever E by means of the link G, so that the vertical movement of the said lever upon its pivot *i* will cause a corresponding vertical movement of the outer end of the connected nozzle F. In order to provide for holding the drop-pipe firmly in the proper vertical position, when inserted in the hole made through the floor, of the room, above that in which the fire is located, the head B of the hose connecting pipe, is provided with a perforation *g*, adapted to receive the handle of the hose wrench H, by means of which the drop-pipe may be firmly held in a vertical position while the nozzle F is being operated by means of the lever E; and by turning the drop-pipe C, axially, and the nozzle F, vertically, by means of the lever E the water may be directed to any required portion of the floor of the room on fire, or against any required portion of the ceiling.

Instead of employing the hose-wrench D, the rearwardly projecting arm of the lever E may be made of the proper length for the convenient manipulation of the drop-pipe C, and the nozzle F; and instead of the hose-wrench H, other suitable means may be employed to assist in holding the drop-pipe C, in position.

The nozzle F, is screwed into the tapering plug *h*, which is provided at its rear side with the perforation *j*, through which the water is made to pass from the cavity of the drop-pipe C, to the nozzle F, the said tapering plug being held in position within the perforated sides *k*, *k'*, at the lower end of the drop-pipe, by means of the screw thread *l*, and nut *m*, upon the projecting axial pin *f*, of the plug; a water-tight joint being formed lengthwise of the plug at the opposite points *n*, *n'*, as shown iu the section Fig. 2.

I claim as my invention—

1. The combination with the hose connecting pipe, and the drop pipe jointed to the hose-connecting pipe for horizontal axial movement, of the delivery nozzle jointed to the lower end of the drop pipe for vertical movement, and the lever pivoted at the upper end of the drop-pipe, and operatively con-

nected with the delivery nozzle at the lowe end of the said drop-pipe, substantially as described.

2. The combination with the hose connecting pipe the drop-pipe jointed to the hose connecting pipe for axial movement, and the lever pivoted to the drop-pipe, of the nozzle jointed to the said drop pipe for vertical movement, and the link for connecting the nozzle with the lever, substantially as described.

JAMES M. BAKER.

Witnesses:
SOCRATES SCHOLFIELD,
JAS. KNOTT.