

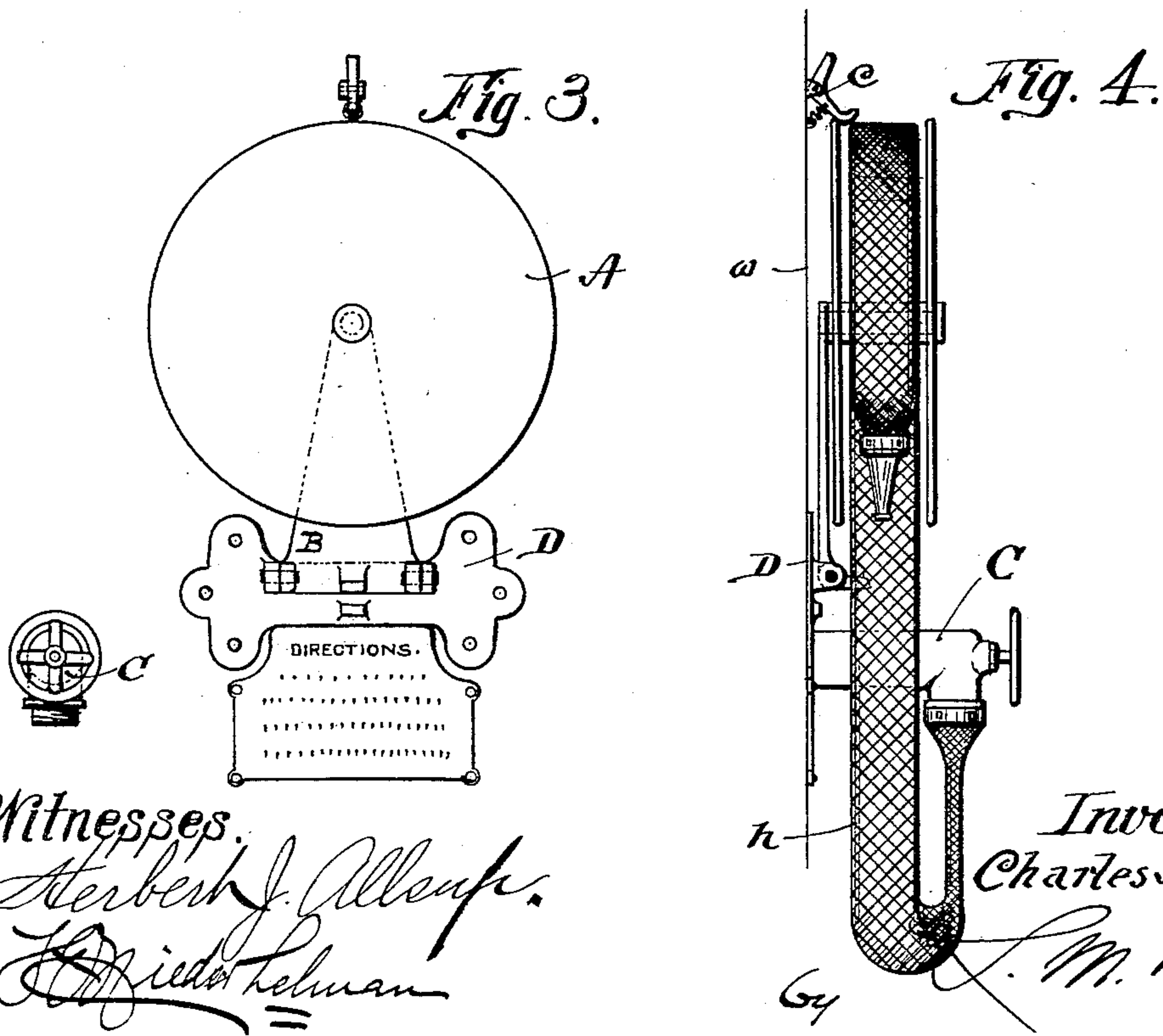
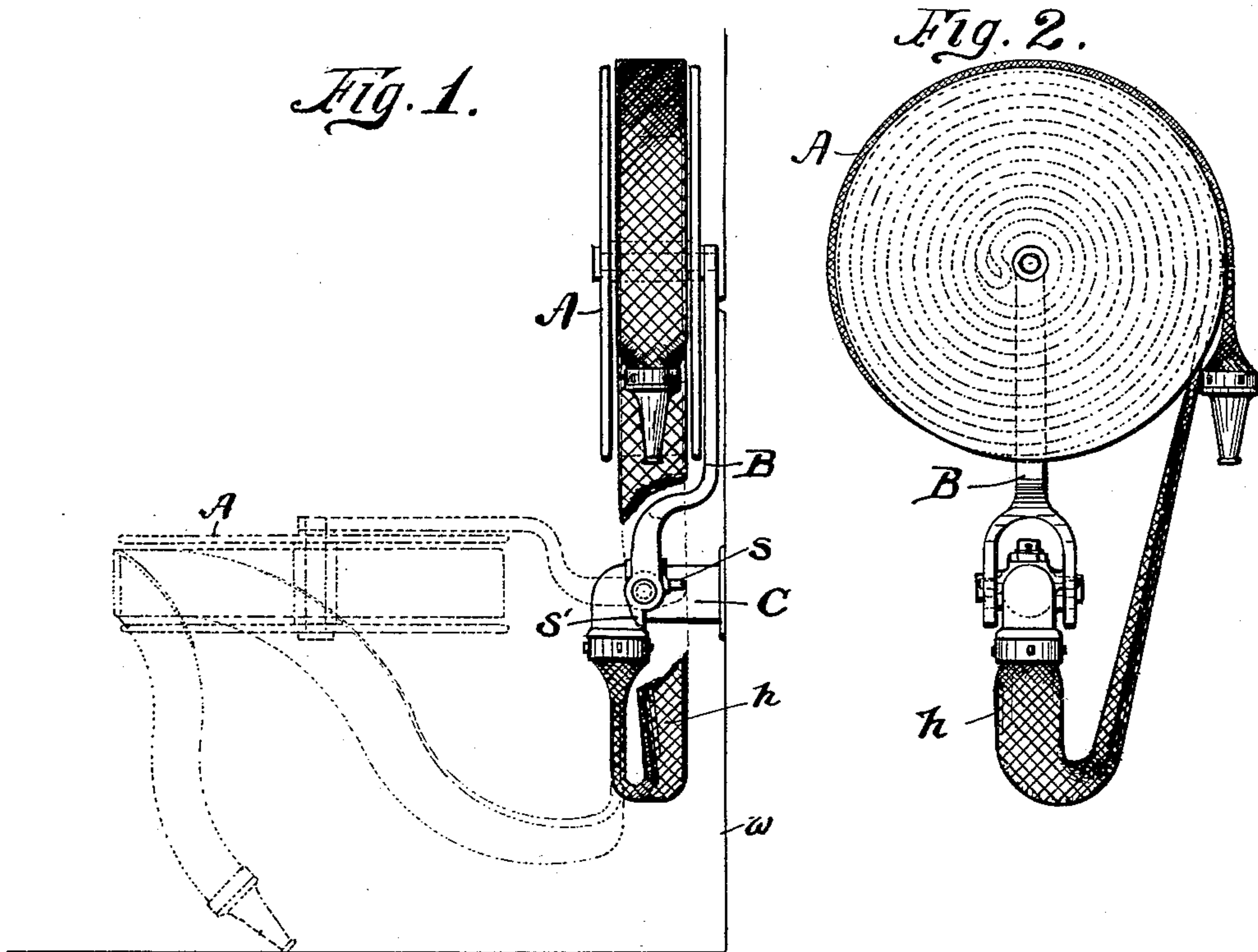
No. 618,126.

Patented Jan. 24, 1899.

C. NUHRING.
HOSE REEL DEVICE.

(Application filed Jan. 27, 1898.)

(No Model.)



UNITED STATES PATENT OFFICE.

CHARLES NUHRING, OF CINCINNATI, OHIO.

HOSE-REEL DEVICE.

SPECIFICATION forming part of Letters Patent No. 618,126, dated January 24, 1899.

Application filed January 27, 1898. Serial No. 668,127. (No model.)

To all whom it may concern:

Be it known that I, CHARLES NUHRING, a citizen of the United States, residing at Cincinnati, Ohio, have invented new and useful Improvements in Hose-Reel Devices, of which the following is a specification.

My invention relates to fire apparatus intended to be placed in buildings in connection with the water-supply pipes, whereby instant means of extinguishing an incipient fire may be always at hand ready for operation.

To this end my invention consists in the novel features of construction and arrangement of parts in a hose-reel, as will be hereinafter explained in detail, said reel being pivotally attached to a wall or other support in such position that it may be normally supported flat against the said wall or thrown down into a horizontal position away from the wall and held in such position by gravity.

In preferred form the hose-support is connected to the plug or valve of the water-cock, so that in throwing down the reel the weight of the hose and reel insures proper turning on of the water.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of my improved apparatus in preferred form complete, its second or operative position being shown in dotted lines. Fig. 2 is a front elevation of same. Fig. 3 is a front elevation, and Fig. 4 a side elevation, of a modified structure, omitting the operative connection between the hose-reel and water-cock.

Referring now to the drawings, A designates a hose-reel upon which the hose is wound double, as indicated in dotted lines in Fig. 2, so as to draw off in the manner indicated in dotted lines in Fig. 1. The reel is pivotally mounted upon the arm B, which is pivotally secured to the supporting-bracket extending outward from the wall *w*. The water-cock C may be utilized as said bracket. The arm B may be bifurcated and may be attached to the extremities of the plug of said water-cock. The parts are so arranged that the arm B stands upward and normally lies flat against the wall supporting the hose, as indicated in Fig. 1, in which position it may rest by gravity by reason of its over-

hanging weight, or a suitable catch *c* may be provided, as indicated in Fig. 4. Stops *s s'* are provided upon the cock C and the arm B, respectively, so that when the reel is pulled forward and downward into the position indicated by dotted lines in Fig. 1 the reel will be suspended in such position, so that the hose may be readily run off in any direction. It will readily be seen that with the hose thus wound upon the reel and the reel in the position shown ready for service will materially assist in detaching the hose from the reel, and, in fact, the water-pressure in the hose would start the wheel in motion and detach the hose without further assistance.

To illustrate the mode of operations, suppose the attachment of the apparatus to be made at the wall of a corridor upon which rooms open in either direction. Upon discovery of fire in either of said rooms the attendant has only to reach the apparatus, throw down the reel, seize the nozzle of the hose, and rush to the room in question. The water meantime is filling the hose and would be ready to flow from the nozzle by the time he could reach the room.

In the modification of the device shown in Figs. 3 and 4 the hose-reel arm is mounted upon the ordinary wall-bracket D, independent of any connection to the water-cock C. In this case the attendant would be compelled to turn on the water independently.

I claim as my invention and desire to secure by Letters Patent of the United States—

1. The combination with a support secured to the wall, of an arm pivotally mounted thereon and normally occupying a vertical position and adapted to be swung downward to a horizontal position, a reel rotatably mounted on said arm and occupying a plane parallel thereto, whereby when said arm is swung downward the reel will occupy a horizontal position, a stop for limiting the downward throw of said arm, a supply-cock, a hose attached thereto and wound upon said reel, the combination permitting the hose to be unwound by a pull thereon in any direction when the reel is in a horizontal position without changing the relative position of the arm to the support, substantially as described.
2. The combination with a supply-cock having a horizontal turning plug, of an arm

attached to and supported by said turning
plug and normally occupying a vertical posi-
tion and adapted to be swung downward to
a horizontal position to open said cock, a reel
5 rotatably mounted on said arm and occupy-
ing a plane parallel thereto, whereby when
said arm is swung downward the reel will
occupy a horizontal position, a stop for lim-
iting the downward throw of said arm, and
10 a hose attached to said cock and wound upon
said reel, the combination permitting the hose
to be unwound by a pull in any direction
when the reel is in a horizontal position with-
out changing the relative position of the arm
15 to its support, substantially as described.

3. The combination with a support secured
to the wall of an arm pivotally secured thereto
and occupying normally a vertical position
and adapted to be swung downward to a hori-
20 zontal position, a reel rotatably mounted on

said arm, a supply-cock, a hose attached
thereto and wound upon said reel, a catch
for holding the arm in a vertical position and
a stop for limiting the downward throw of
the arm, substantially as described. 25

4. The combination of a hose-reel, an arm
to which said reel is pivotally attached and
a bracket adapted to attach the arm to a wall
or other support in such position that the reel
may be normally supported flat against the 30
wall or thrown down to a horizontal position
away from the wall and held in such position
by gravity, substantially as set forth.

In testimony whereof I have hereunto set
my hand in the presence of two subscribing 35
witnesses.

CHARLES NUHRING.

Witnesses:

L. M. HOSEA,

HERBERT J. ALLSUP.