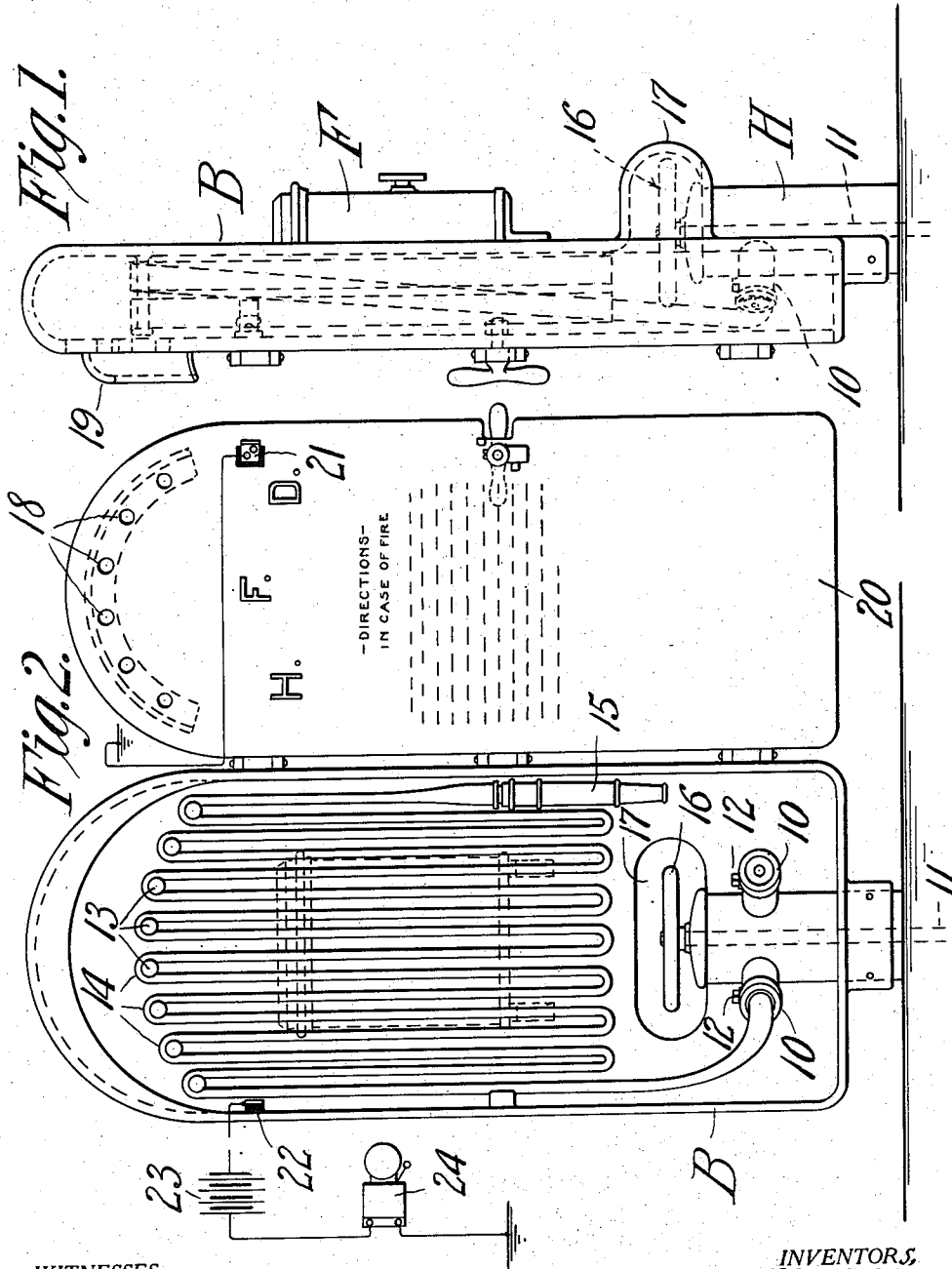


G. A. OWEN & G. A. BATES.
FIRE HYDRANT.
APPLICATION FILED AUG. 21, 1908.

950,300.

Patented Feb. 22, 1910.

2 SHEETS—SHEET 1.



WITNESSES:

H. L. Sprague
R. M. Mowry

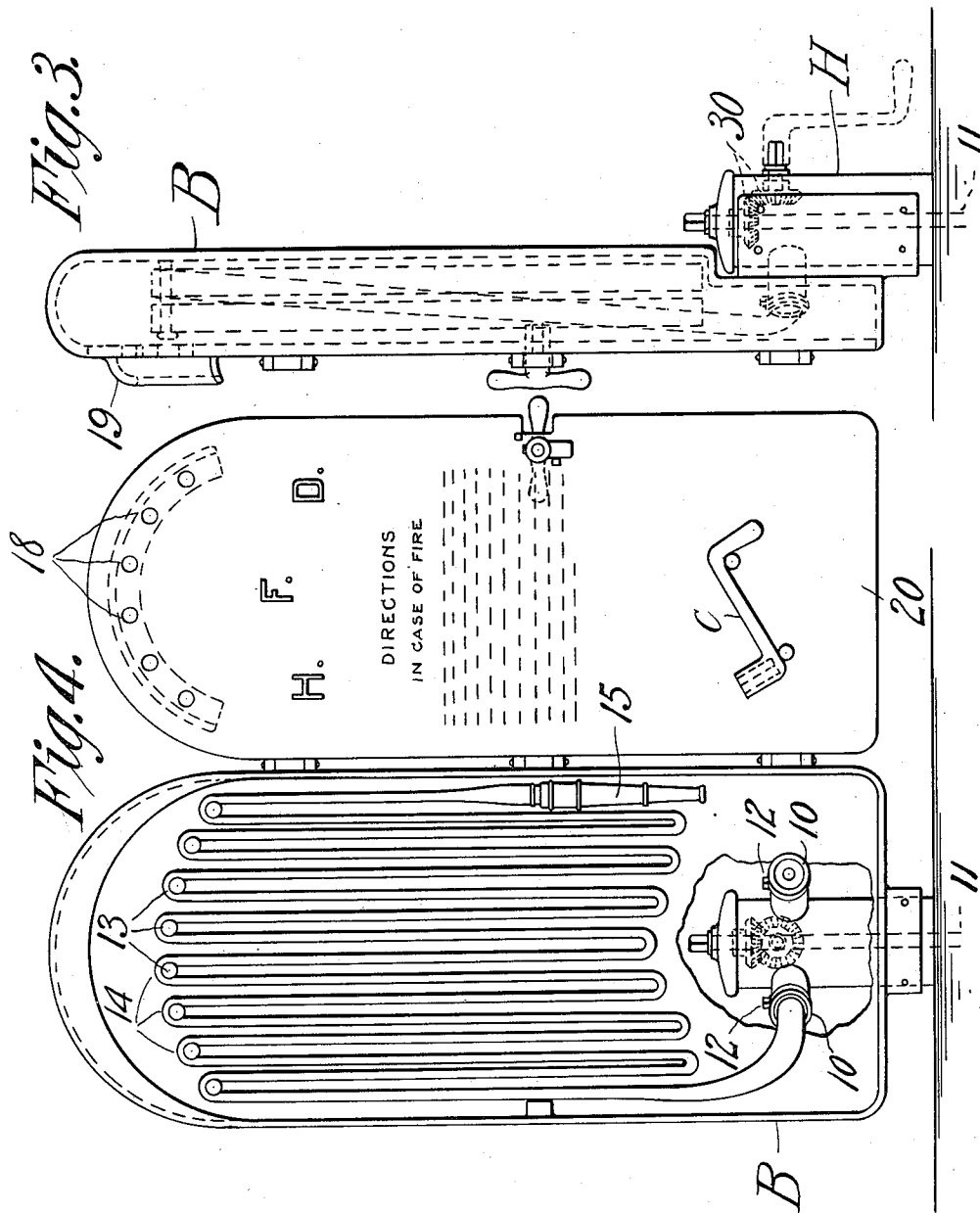
INVENTORS,
George Alfred Owen,
George Albert Bates,
BY
W. J. Bellam,
ATTORNEY.

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UNITED STATES PATENT OFFICE.

GEORGE ALFRED OWEN AND GEORGE ALBERT BATES, OF HARTFORD, CONNECTICUT.

FIRE-HYDRANT.

950,300.

Specification of Letters Patent. Patented Feb. 22, 1910.

Application filed August 21, 1908. Serial No. 449,608.

To all whom it may concern:

Be it known that we, GEORGE ALFRED OWEN and GEORGE ALBERT BATES, citizens of the United States of America, and residents of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Fire-Hydrants, of which the following is a full, clear, and exact description.

This invention relates to fire hydrants, and it has for one of its objects the combination with a hydrant of a receptacle or box adapted to receive a certain length of hose line which is permanently attached with one of its ends to one of the hydrant plugs, while its other end is provided with a nozzle, the hose being hung on pegs so as to be readily removed.

Our invention has, furthermore, for its object the provision of a box of the character described which is normally closed by a door adapted to be readily opened in case of emergency and preferably without requiring a key, the opening movement of the door causing a cautionary alarm signal to be given at one or more of the fire department houses, the crews of which would respond to a regular alarm given at that point.

Our invention has, furthermore, for its object the combination, with a fire hydrant, of a fire alarm box whereby a regular alarm may be rung-in if the fire should be of such magnitude as to require the services of the department.

Further objects of the invention will hereinafter appear, and the means for their attainment be pointed out in the claims.

The invention has been clearly illustrated in the accompanying drawings, in which similar characters denote similar parts, and in which:—

Figure 1 is a side view of a hydrant equipped with our invention; Fig. 2 is a front view thereof, the door being open; Figs. 3 and 4 are views similar to Figs. 1 and 2, and illustrate a modification thereof.

In the drawings, H denotes a hydrant which may be of any desired and well known construction, and may have one or more plugs 10, and a valve rod 11, whereby water will be admitted to all of the plugs, each of which has preferably its own valve as indicated by 12 in Fig. 2. Secured to the hydrant H is a casing or box having at one of its walls a series of pegs 13 on which a line of fire hose 14 may be hung so as to be

readily pulled therefrom without danger of snarling. One end of this hose line is attached to one of the plugs 10, and its other end is provided with a nozzle 15, so that water may be thrown upon a fire within reach of the hose, without any loss of time, a circumstance which is often of great importance because the first few minutes in checking a fire are the most critical ones in preventing large conflagrations.

In its preferred form, the valve rod 11 is operable by a hand wheel 16 inclosed within a chamber or pocket 17 of the casing B so as to prevent its being tampered with when the box is closed.

In order to allow proper ventilation of the hose box and to prevent "sweating," we provide a series of vent-apertures 18 which are guarded by a hood 19 to prevent rain from entering the box.

As above stated, the opening movement of the door is arranged to sound a cautionary signal or alarm so as to give notice to responding fire department sections of the fact that a hydrant box within their districts has been opened. This notice will naturally afford to the firemen an opportunity of making ready for immediate response when the regular alarm is subsequently rung in, provided necessity for such action should arise.

In the present instance the door 20 is hinged at one side of the casing B, and carries at its free side a contact point 21 insulated from the door 20 and cooperative with a contact 22 attached to and insulated from the casing B, either to close or to open an electric circuit which includes a source of energy 23 and an alarm gong 24, the conductors being grounded as diagrammatically indicated in Fig. 2.

The preferred form of gong is what is generally known as a "single-stroke" device in a normally-closed circuit, although the normally-open circuit system may be as readily employed as the former.

Secured to the rear of the box B is a regular fire-alarm box F which may be of any desired construction, and is thus placed for convenience, so that if required a regular alarm may be rung-in to call the proper companies of the fire department to that locality.

In Figs. 3 and 4 we have shown a modification of the hydrant-operating mechanism which here comprises a crank *c* kept within the box B and adapted to rotate the hydrant valve-rod through gears 30 or other similar

mechanism, through outside application instead of the protected hand wheel 16 above mentioned.

We claim:—

- 5 1. The combination with a hydrant, a hose
receptacle secured thereto provided with a
door for closing said receptacle and a hose
connected with the hydrant stored within
and removable from said casing, of an elec-
10 tric circuit including an alarm signal, means
carried by said door for automatically actu-
ating said signal during the opening move-
ment of the door, and an additional and in-
dependent fire alarm actuating means in a
15 closure therefor mounted on the hydrant
supported casing.
2. The combination with a hydrant hav-
ing a hose connection plug, and having a
valve operating rod provided with a hand
20 wheel adjacent the top of the hydrant, of a

box or casing supported in proximity to the
hydrant and within which said connection
plug is located, provided with a rearwardly
located pocket or alcove for the accommo- 25
dation of a considerable portion of said hand
wheel, having a series of separated pegs at
an upper portion thereof, and having a door
for opening and closing the casing, and a
hose, having by one end, normally a connec- 30
tion with the said plug of the hydrant, hav-
ing a nozzle at its other end, and adapted by
intermediate looped portions thereof to be
suspended within the casing on said pegs.

Signed by us at Hartford, Conn., in pres-
ence of two subscribing witnesses.

GEORGE ALFRED OWEN.
GEORGE ALBERT BATES.

Witnesses:

WM. S. BELLows,
W. G. COMSTOCK.