

No. 609,105.

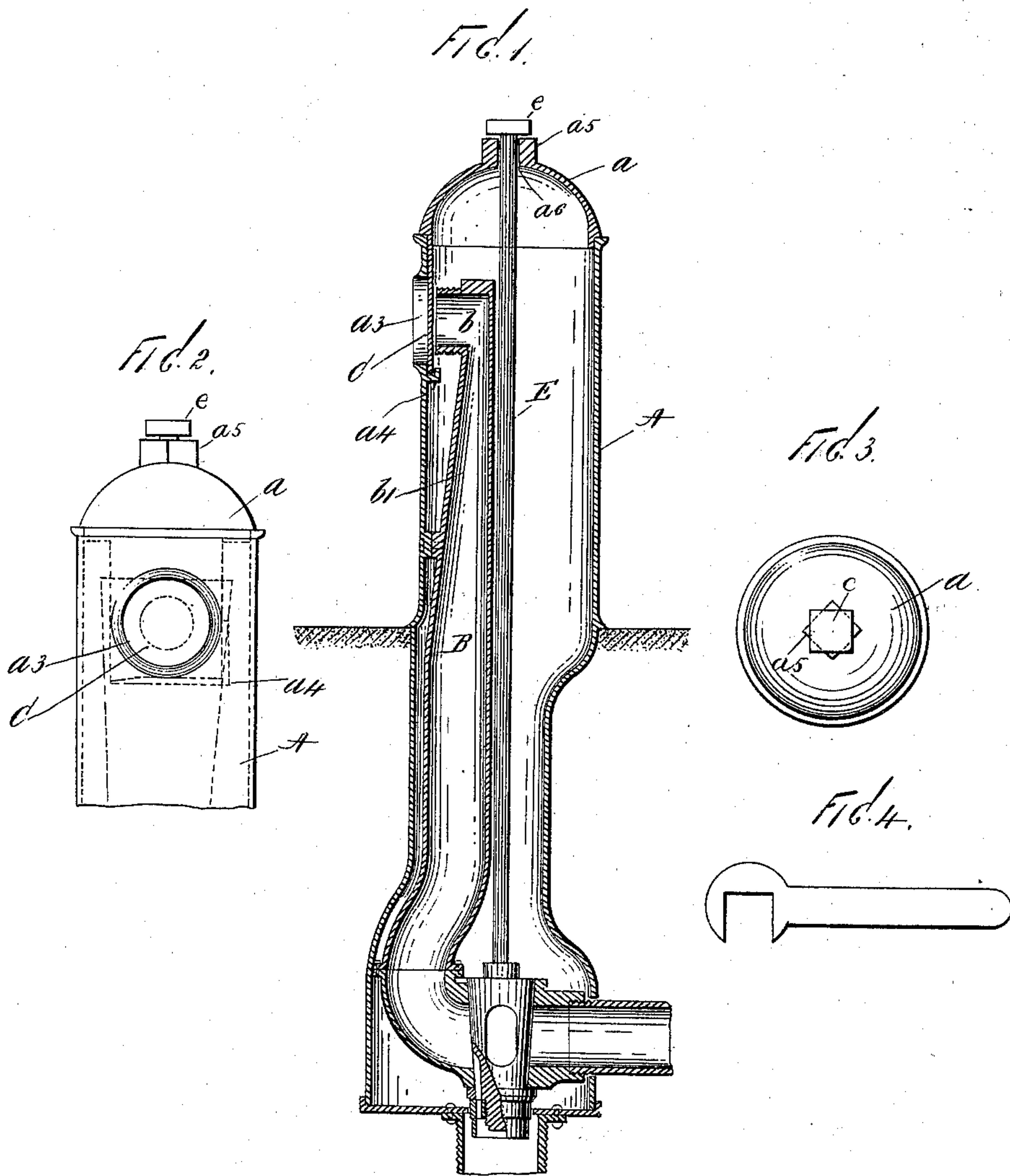
Patented Aug. 16, 1898.

H. M. KUNZ.

HYDRANT.

(Application filed Mar. 7, 1898.)

(No Model.)



WITNESSES

John Buckler,
L. M. Fuller

INVENTOR

Henry M. Kunz,
BY
Edgar T. S. Co.
ATTORNEYS

UNITED STATES PATENT OFFICE.

HENRY MAX KUNZ, OF NEW YORK, N. Y.

HYDRANT.

SPECIFICATION forming part of Letters Patent No. 609,105, dated August 16, 1898.

Application filed March 7, 1898. Serial No. 672,967. (No model.)

To all whom it may concern:

Be it known that I, HENRY MAX KUNZ, a citizen of the United States, residing at New York, (Brooklyn,) in the county of Kings and State of New York, have invented certain new and useful Improvements in Hydrants, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to hose-hydrants of that class which are adapted to be used as fire-plugs; and it has for its object to provide a simple and improved hydrant of this character which will provide an effective closure for the hose connection and which will comprise mechanism or means for opening and closing said closure and the valve.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by the same letters of reference in each of the views, and in which—

Figure 1 is a vertical transverse sectional view of a hose-hydrant embodying my improvements. Fig. 2 is an elevation of the front of the upper part of the same. Fig. 3 is a top plan of the same, and Fig. 4 is a plan of the tool used in turning the cap and stem.

In the class of hose-hydrants to which this invention relates there is a casing A, closed at both ends, and which is normally partially buried in the earth, as indicated. The main enters at the lower end and communicates with the feed-pipe B, such communication being controlled by a stop and waste cock, as is usual in this class of devices. Near the upper end of the casing an opening a^3 is made in one side thereof, through which the nozzle b on the upper end of the feed-pipe B is reached. The cap a , closing the upper end of the casing, is rotatable thereon and carries at its lower edge a plate C, that lies close to the inner face of the casing A and passes between the end of the nozzle and said casing. The said plate is wide enough to close the said opening, as shown in Fig. 2, and an angular flange a^4 is arranged on two sides of said opening to form a stop for the plate C. The said cap a is provided with a flat-sided boss or projection a^5 , by means of which it may be turned by the use of a suitable tool.

The stem E for operating the stop and waste cock extends upwardly therefrom and

centrally through the casing and through a central opening a^6 in the cap and its boss a^5 . The stem fits closely but can turn within said opening and is provided with a flat-sided head or nut e at its upper end, resting upon the boss a^5 and adapted to be turned by the same tool. In turning said parts the tool is first placed upon the boss a^5 , and after the slide C has been moved to one side and the hose attached the stem can be turned to open the valve. For the purpose of explanation a tool is shown which can be used for turning the cap or stem, said tool having a jaw open at one side, and used in a manner which is obvious.

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

1. In a hydrant, a casing provided with an opening and a revoluble cap mounted upon and closing the upper end of the casing and provided with a depending plate that is situated close to the inner face of said casing.

2. In a hydrant, a casing provided with an opening, and a revoluble cap mounted upon and closing the upper end of said casing and provided with a depending plate that is situated close to the inner face of said casing, and a boss on the upper end of said cap by means of which it is turned.

3. In a hydrant, having a casing provided with an opening, a nozzle of the feed-pipe situated within said casing and opposite said opening, and a revoluble cap mounted upon said casing and provided with a depending plate adapted to cover said opening in the casing, substantially as set forth.

4. In a hydrant, a casing provided with an opening a revoluble cap mounted upon and closing the upper end of the casing and provided with a depending plate that is situated close to the inner face of the casing, a boss upon the upper end of said cap having an opening, therethrough, a valve-stem extending through said opening and provided with a head.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 4th day of March, 1898.

HENRY MAX KUNZ.

Witnesses:

L. M. MULLER,
M. A. KNOWLES.