(12) **United States Patent**
Walker

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(54) **HYDRANTS**

(76) Inventor: **Sater T. Walker**

Sheet 2. Specification.

The Schedule referred to in these Letters Patent and making part of the same containing a description of the said Sole J. Walker himself of his improvement in the Hydrant for drawing Water.

To all to whom these presents shall come: Be it known, That I Sole J. Walker of the City & County of Baltimore & State of Maryland, have invented a new improvement in "the Hydrant for drawing water" which Hydrant I have already obtained under date of the twenty sixth of December in the year eighteen hundred and thirty four, and that the following is a full and exact description of the construction & operation of the said improvement as invented by me. The said invention consists of an Iron Case, which are usually cast divided through the middle so as to afford them the requisite protection. It is also designed for the purpose of maintaining the distance between the upper and lower ends of the works. But they should be separated by some other circumstances. The ascending tubes from the supply pipes from which the water is discharged is usually suspended by means of a crane leg, according to any the modes of construction, but I have adopted a cast-iron case with openings in one or more of its sides, at the base near its bottom, for the purpose of approaching the works at the lower end whenever it may be requisite so to do. One for suspending the valve seat or cock. The screw or shaft described in my former patent, as passing down from the top of the Hydrant to the valve seat has a screw on its upper end which passes into a through a metal plate or the covering efficient to the upper end of the cast-iron case, into or turning the screw as usual the valve is raised or closed. I insert the waste cock, when that is used, within the opening in the cast iron case under ground and turn off the water according to my former plan. When I use the lining of some flexible substance, in the cock and in the valve seat, I generally prefer leather saturated with tar, may then apply it to the Hydrant, or fire plug cocks, by attaching it firmly to the body or plug of the cock. When I use the metal cock upon an enlarged scale for the use of the fire plugs and within to operate it within the cast iron case, I make the discharging ends of

the cock is down upwards within the body of the case, and from it is a hole
cut, so as to receive the upper end of the ascending pipe to which I attach
by a screw nozzle for the discharging of the water by, so as to be able to
attach more or more hose to the same plug, or for the purpose of having a
convenient mode of attachment at or near the surface of the ground;
it also answers in this case to increase the head of water, and removes the
possibility of obstruction of the flow of water from a sediment or pressure that
might otherwise be in the hose when elevated; To the other end of
the cock I form a bell and unite it to the discharging pipe by a
circular pipe intended for the purpose of securing the front of the case, and
the discharging pipe, so as to discharge the water in the same direction it
has received from. I use the coupling joints for connecting the pipes, as
in my late patent, for the purpose of affording a ready means of detaching
them from the cock or valve seat. To preserve at all times the same
distance between the upper and ~~lower~~ ends of the cocks; to preserve separation by frost or other circumstances as before stated, the cock or valve
seat, is placed in the opening in the lower end of the iron case, and the
end plate, or covering in which the stem or shaft works which is used
for turning the valve, I likewise use a screw for turning the plug of
the cock has screw cut on it, & receives into it the end on the upper end
of the stem, where the lever is attached. What I claim as my in-
vention, and for which I now ask Letters Patent, is the combination and
use of a cast iron case, for the purpose of maintaining the distance
as described, either with or without the Wooden Log. Also the iron case
for protecting the other works of the Hydrant, and the plug, from
injuries. But when it is used as a covering, it is plain unless the
other works without the connection for maintaining the distance. Also
the employing screw of the top by means of screw bolts and nuts, in order
to assist in easing and tightening the nuts. Likewise for adding nozzles or
more orifices to the discharging pipes for the purposes before mentioned,
in describing the fire plug. Also for the manner of using a circular
pipe to the fire plug for screwing the nozzle or front of the discharging
pipe or case.

Peter T. Walker

Thos. S. Collings } Witnesses
William Mayfield }

858 words

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PRINTED SPECIFICATIONS AVAILABLE

S. T. Walker,

Hydrant.

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