

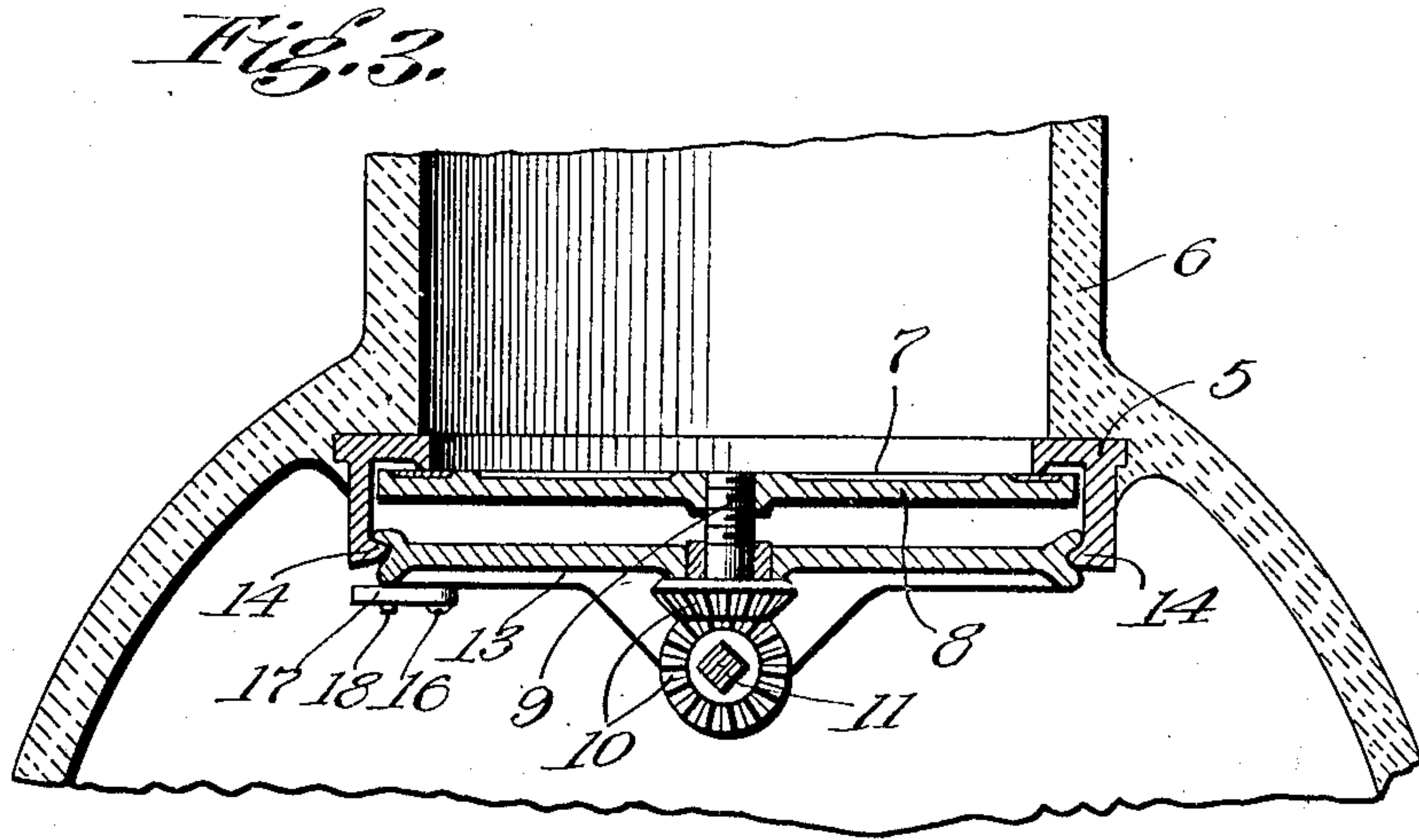
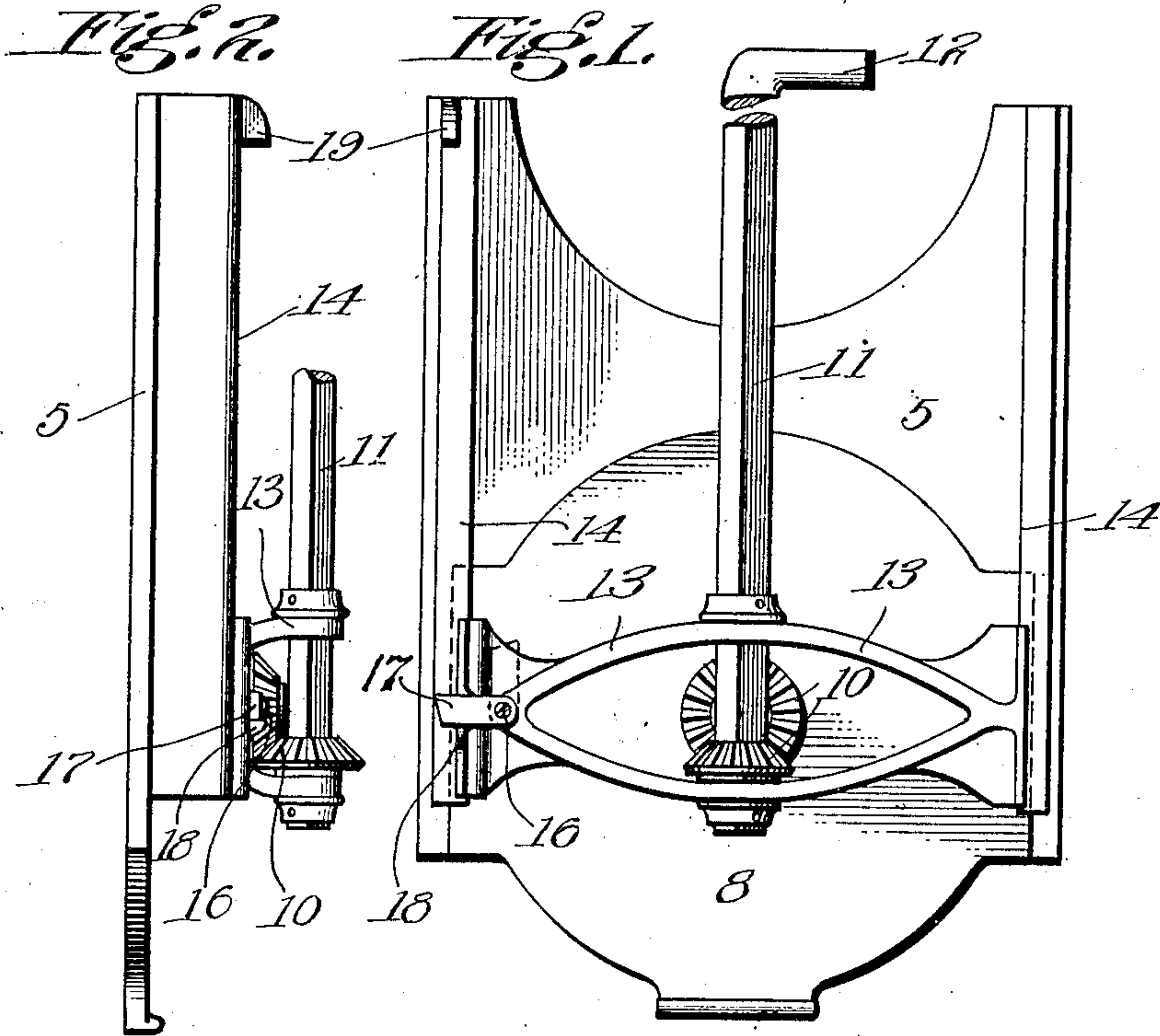
G. E. KELLAR.

STOP FOR WATER GATES.

APPLICATION FILED SEPT. 15, 1908.

913,147.

Patented Feb. 23, 1909.



Witnesses
James T. Bucklew
Ollie Palmer.

Inventor
George E. Kellar
by Howard Shouse.
Attorneys.

UNITED STATES PATENT OFFICE.

GEORGE E. KELLAR, OF COVINA, CALIFORNIA, ASSIGNOR TO KELLAR-THOMASON MANUFACTURING COMPANY, OF COVINA, CALIFORNIA, A CORPORATION OF CALIFORNIA.

STOP FOR WATER-GATES.

No. 913,147.

Specification of Letters Patent.

Patented Feb. 23, 1909.

Application filed September 15, 1908. Serial No. 453,139.

To all whom it may concern:

Be it known that I, GEORGE E. KELLAR, a citizen of the United States, residing at Covina, in the county of Los Angeles and State of California, have invented new and useful Improvements in Stops for Water-Gates, of which the following is a specification.

This invention relates to a stop adapted for placement upon water gates of the general type shown and described in Patent No. 801,990, issued October 17, 1905 to myself jointly with Elmer Thomason, and it is the object thereof to provide a means to prevent the entire disengagement of the movable member from the stationary member.

It has been found in practice that it is very difficult to replace the movable member of the gates upon the stationary slides if they have been disengaged, this inconvenience accruing principally from the fact that the gates are usually submerged in water when the movable members are disengaged and the gate is opened. To prevent this the present invention has been devised so as to form a means for keeping the movable member, which usually embodies the gate closure, from the stationary member, these means being also arranged so as to allow the entire removal of the movable members if such is desired.

In the accompanying drawings, forming a part of this specification:—Figure 1,— is a front elevation of a gate equipped with the present invention. Fig. 2,— is a side elevation of the same. Fig. 3,— is a sectional plan view showing a gate in place on a pipe.

In the drawings 5 designates the stationary member of the gate which is secured in any suitable manner to pipe 6, being shown in the drawings as cast into a cement pipe. This stationary member may be provided, as in the patent above referred to, with an annular seat 7 around a water passage way therethrough in which a valve closure 8 is adapted to seat. The valve closure is operated by means of a screw 9 and beveled gears 10 from a vertical shaft 11 provided

with a handle 12 upon its upper end. Shaft 11 is journaled in a frame 13 which slides on vertical guides 14 so that the whole movable member may be lifted free of the opening in the stationary member and thereby allow the free passage of the water therethrough.

Pivotally mounted at 16 on frame 13 is a stop member 17 supported in a horizontal position by a lug 18 beneath it. Stop member 17 projects beyond the end of frame 13 and is adapted to contact with a stop 19 on the upper end of one of the guides 14, when the movable member is moved upwardly, so as to open the gate for the passage of water therethrough. Thus it will be seen that the movable member may be moved upwardly without any danger of pulling it entirely clear of the stationary member, stop member 17 contacting with stop 19 when the limit of movement is reached. If it is desired to remove the movable member stop member 18 may be thrown upwardly and inwardly on pivot 16 so that it will clear stop 19.

From the foregoing description it will be seen that the present invention is not alone applicable to gates of the particular class described but to any class of gates in which there is a movable member liable to be entirely disengaged from its stationary member, this being especially true of gates in which one member slides on the other as in the form above described.

I claim:—

In a pressure gate construction, a stationary and a sliding member, a stop on the stationary member, and a pivoted means secured to the sliding member adapted to contact with the stop on the stationary member and prevent the removal of the sliding member from the stationary member.

In witness that I claim the foregoing I have hereunto subscribed my name this 10th day of September, 1908.

GEORGE E. KELLAR.

Witnesses:

EDMUND A. STRAUSE,
OLLIE PALMER.