

No. 774,194.

PATENTED NOV. 8, 1904.

A. F. MORENCY.

BALL COCK.

APPLICATION FILED APR. 16, 1904.

NO MODEL.

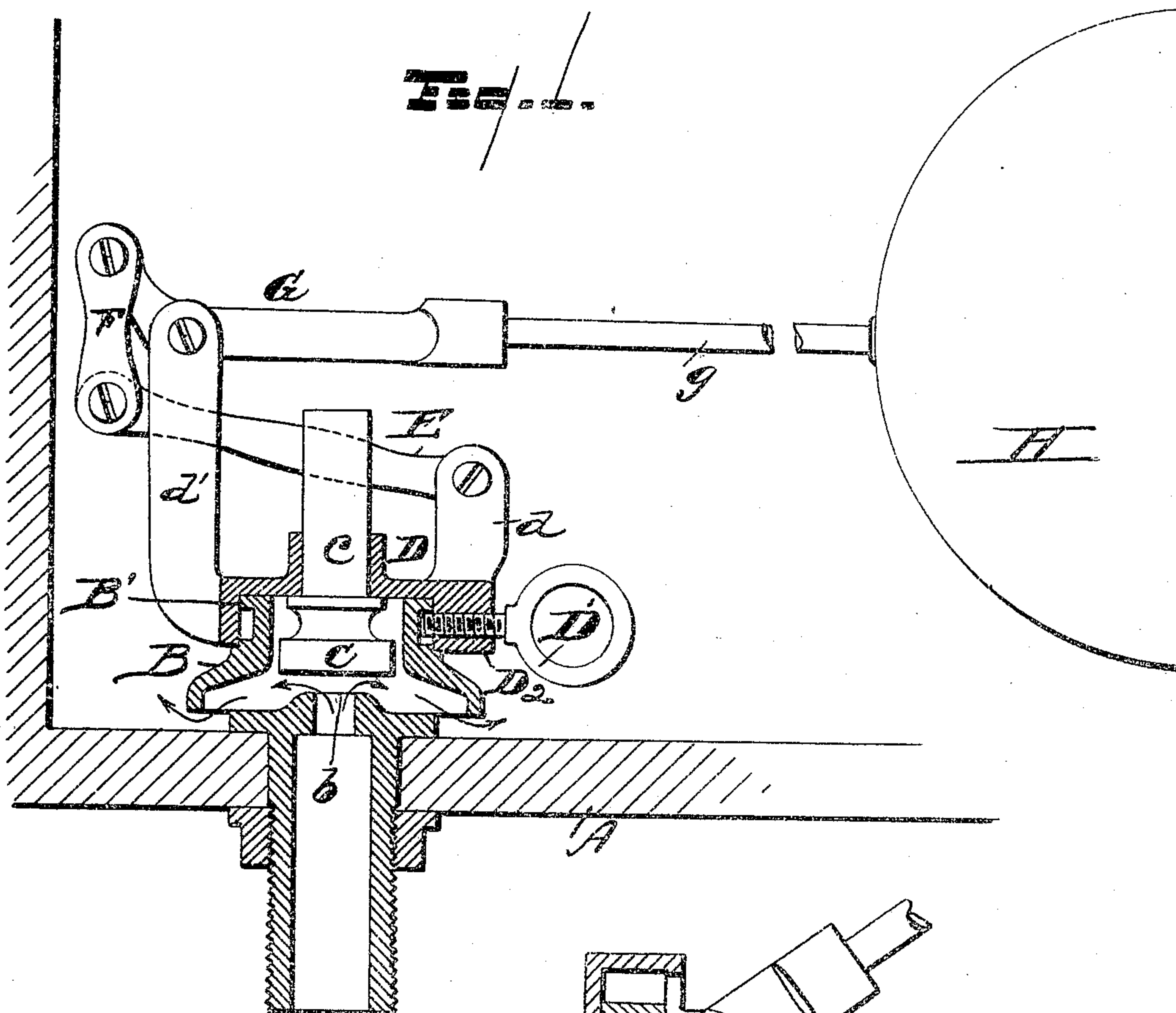
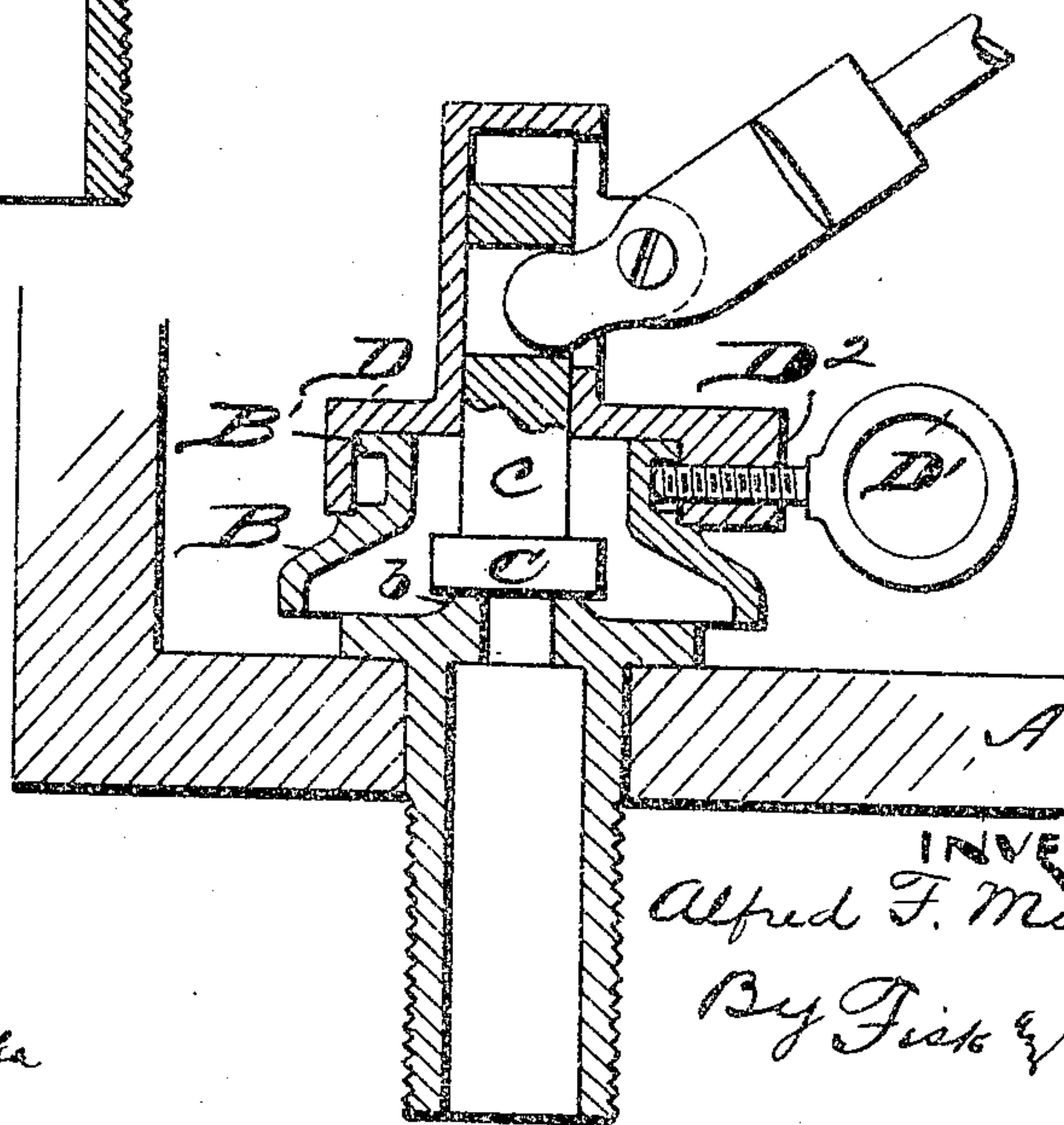


Fig. 2.



WITNESSES

A. G. Ege.

[Signature]

INVENTOR

Alfred F. Morency

By *[Signature]* & Thomas

Attorneys

UNITED STATES PATENT OFFICE.

ALFRED F. MORENCY, OF DETROIT, MICHIGAN, ASSIGNOR TO PEERLESS HEATER AND VALVE COMPANY, OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

BALL-COCK.

SPECIFICATION forming part of Letters Patent No. 774,194, dated November 8, 1904.

Application filed April 15, 1904. Serial No. 203,243. (No model.)

To all whom it may concern:

Be it known that I, ALFRED F. MORENCY, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Ball-Cocks; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improvement in ball-cocks employed as supply-valves for water-closet flushing-tanks.

In the drawings which accompany the specification, Figure 1 is a sectional view of the valve with parts in elevation, showing it engaged to the tank. Fig. 2 is a similar view showing my invention applied to a different type of valve.

The object of my invention is to provide a cheaply-constructed valve and one in which the upper portion may be readily removed to examine the valve and its seat to make such repairs as may be necessary and, further, to provide means by which the upper portion of the valve-body supporting the float may be easily and quickly adjusted to accommodate the other fittings of the tank.

While my invention may be applied to valves entering the tank near the top or on the side, it is particularly adapted for valves in which the inlet is at the bottom of the tank, where by disengaging the upper portion of the valve-body the float and connecting parts may be removed and the valve or its seat readily examined and repaired.

Referring to the letters of reference shown on the drawings, A is the tank.

B is the valve-body, and *b* its seat.

C is the valve provided with a projecting stem *c*, sleeved in the cap D, mounted on the valve-body.

d is an arm rising from the cap, in which is fulcrumed the lever E, governing the valve C by projecting through a slot provided for it in the valve-stem *c*. F is a link engaging the other end of the lever E, connecting it with the end of the bell-crank lever G, ful-

crumed in the forked arm *d'* of the cap. Projecting from the lever G is a rod *g*, supporting the usual float H.

B' is an annular flange or rim formed on the upper portion of the valve-body, and D' is a thumb-screw supported in the depending wall D² of the cap. It will be seen that by adjusting this thumb-screw to enter the recess below the rim B' the cap D with its connecting parts are engaged to the valve-body. It will also be seen that the cap and the parts supported by it may be adjusted radially with respect to the valve by merely loosening the thumb-screw and turning the cap until the position taken accommodates the other fittings placed in the tank. To remove the float and cap in order to get at the valve-washer or to clean the valve-seat or make other necessary repairs, the thumb-screw is adjusted sufficiently to free it from engagement with the projecting rim B', when the cap and the parts mounted thereon may be lifted from the tank.

Having thus described my invention, what I claim is—

In a ball-cock for water-closet tanks, a valve-body formed in two parts, the lower part constructed with a valve-seat and a discharge-orifice into the tank adjacent to the bottom of the tank when in position, said lower part also provided with an upstanding neck having an annular flange, the upper body portion provided with a central annular collar to receive a valve-stem and having a depending annular flange encircling the flange on the lower body portion, a set-screw entering the depending flange of the upper portion from the side and projecting beneath the annular flange of the lower portion when the parts are locked together, a valve mounted in the upper portion and closing against the pressure of the water, and a suitable float mechanism for operating said valve, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

ALFRED F. MORENCY.

Witnesses:

S. E. THOMAS,

JOSEPH L. MANIERE.