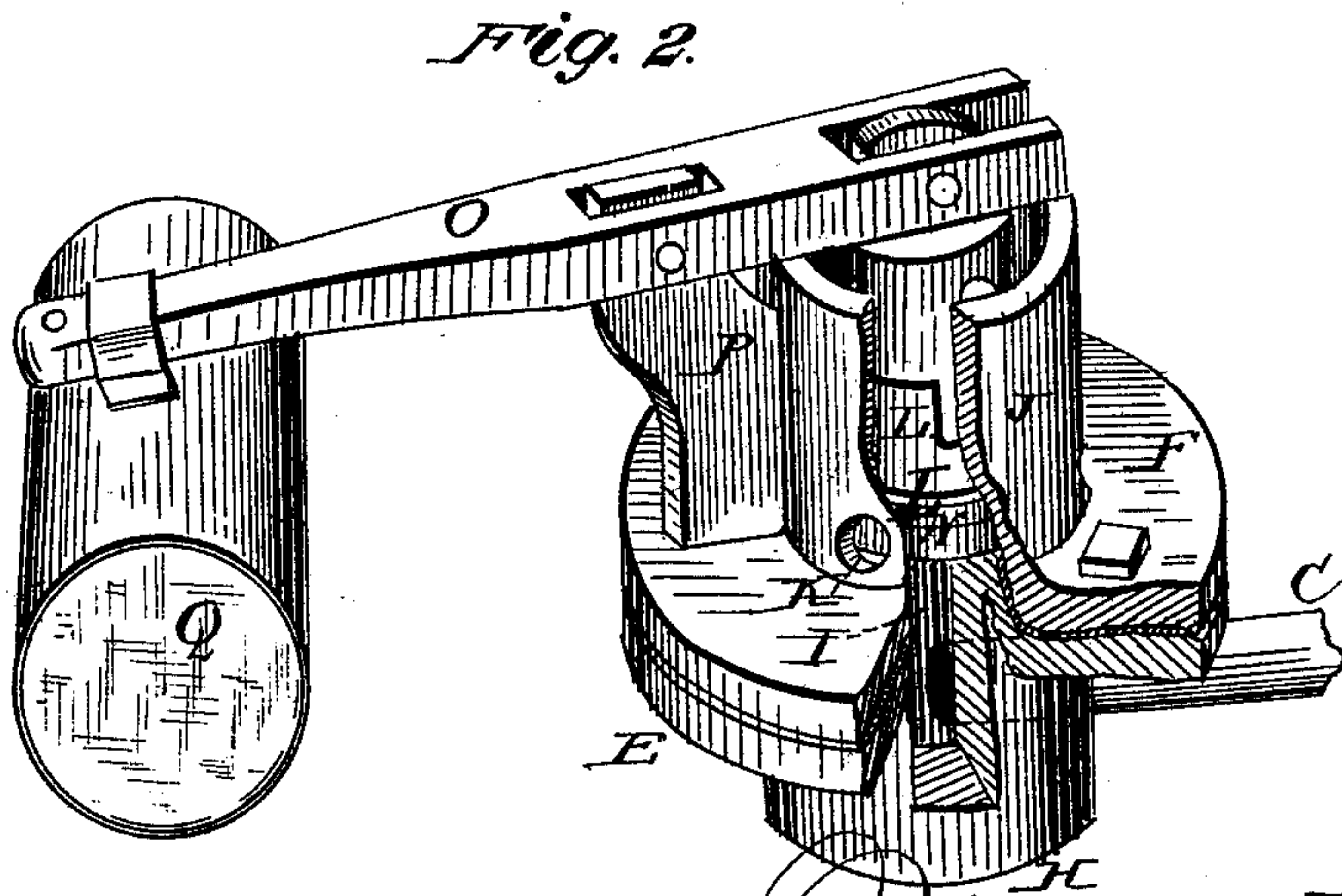
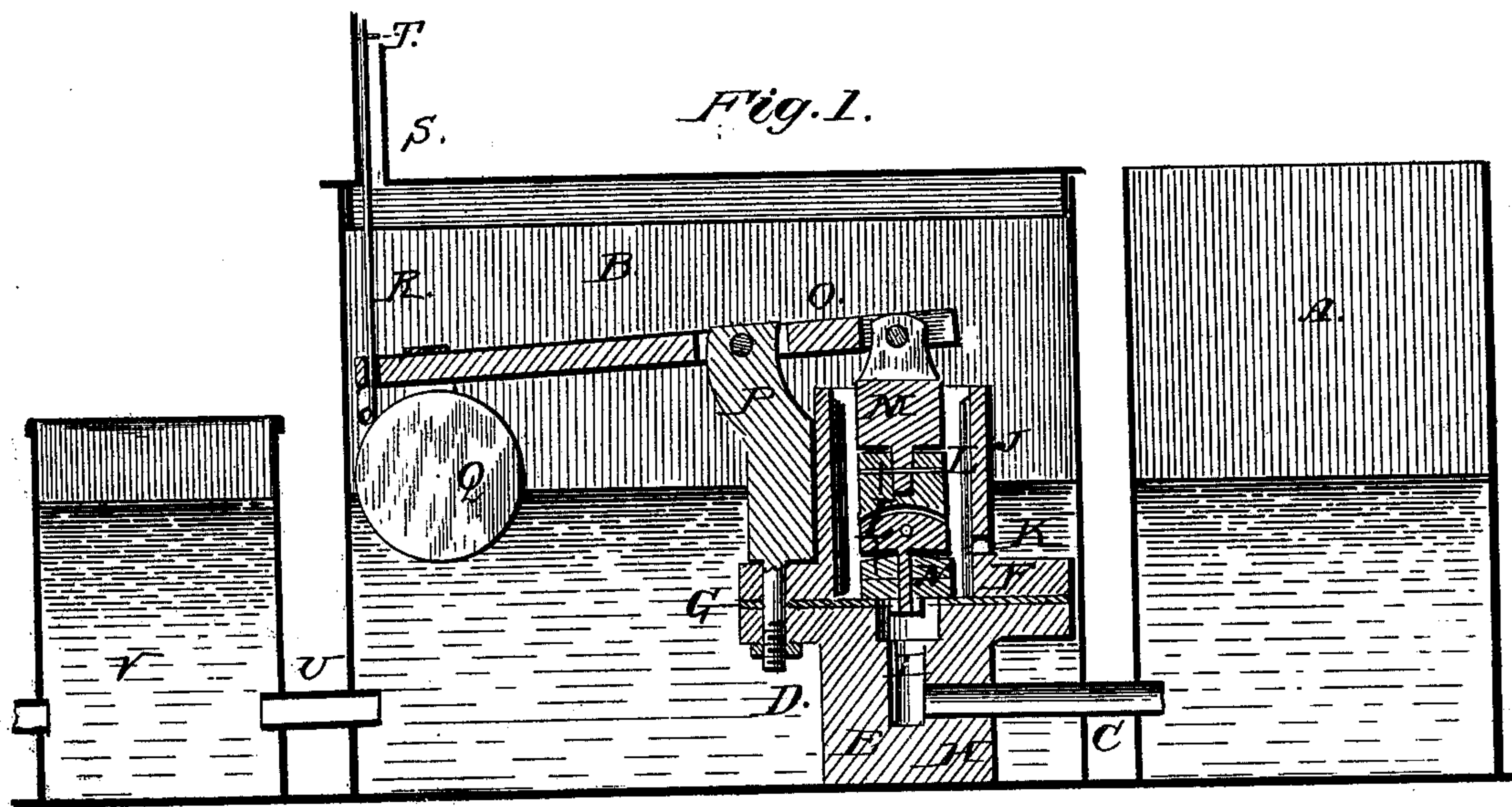


W. T. LANDRETH & R. GARNETT.
Device for Watering Stock.

No. 220,848.

Patented Oct. 21, 1879.



Witnesses:
Ed. G. Dietrich
J. R. Little,

Inventors:
William T. Landreth,
Richard Garnett
by Chas. Snow & Co. attys.

UNITED STATES PATENT OFFICE.

WILLIAM T. LANDRETH AND RICHARD GARNETT, OF LEWISTON, MISSOURI.

IMPROVEMENT IN DEVICES FOR WATERING STOCK.

Specification forming part of Letters Patent No. **220,848**, dated October 21, 1879; application filed September 11, 1879.

To all whom it may concern:

Be it known that we, WM. T. LANDRETH and RICHARD GARNETT, of Lewiston, in the county of Lewis and State of Missouri, have invented certain new and useful Improvements in Devices for Watering Stock; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a vertical longitudinal sectional view illustrating our invention; and Fig. 2 is a detail view of the hydrant.

Similar letters of reference indicate corresponding parts.

This invention relates to devices for watering stock; and it consists essentially in the construction and arrangement of a hydrant by which the flow of water from the pond or reservoir into the tank communicating with the watering-trough is or may be automatically regulated, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the drawings, A represents the reservoir and B the tank, which are connected by a pipe, C, located at or near the bottom, and connected with the hydrant D, which is placed in the tank B.

The hydrant consists of two disks or caps, E F, suitably connected by bolts, a packing-disk, G, of rubber or other suitable material being interposed. The lower cap, E, is supported upon a base, H, through which the elbow-pipe C, connecting with reservoir A, passes, and is connected with a tube, I, fixed vertically in the cap and base, and extending upward to the level of the packing disk, or slightly above said level.

J is a tube, extending upwardly from the upper cap, F, and having several transverse perforations K, for the escape of water passing through the hydrant. In the tube J is adjusted the valve L, which consists of a universally-

jointed stem, M, to the lower section of which is secured a suitable packing-disk, N, adapted to close the opening of tube I. The valve-stem is pivoted to a lever, O, having its fulcrum at the upper end of an upright, P, supported upon the flange formed by the cap F. A float, Q, is adjusted upon the free end of lever O, which is also provided with a hooked rod R, extending upward through a vertical tube, S, secured in the cover of tank B, where it may be secured upon a hook, T. Through a pipe, U, the tank B communicates with the watering-trough V.

In operation, the water passes from reservoir A, through pipe C and hydrant D, into tank B. As it rises in the latter, and in the watering-trough, the float Q rises, thereby lifting the free end of lever O and closing the valve. Owing to the jointed stem of the latter, it will always work true and close the opening of pipe C, through which the water is admitted. When the water is removed, the float sinks, thus partly opening the valve and causing the water to remain always at the same level. If, however, it should be desirable to empty the tank, the hooked rod R may be adjusted upon the hook T, thereby closing the valve.

Having thus described our invention, we claim and desire to secure by Letters Patent of the United States—

As an improvement in hydrants for stock-watering devices, the combination of the cap E, pipe C, vertical tube I, packing-disk G, cap F, having perforated tube J, valve L, having universally-jointed stem M, lever O, hooked rod R, and float Q, all arranged and operating substantially as and for the purpose herein shown and specified.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

WILLIAM T. LANDRETH.
RICHARD GARNETT.

Witnesses:

WILLIAM TURNER,
ISAAC PATTEN.