

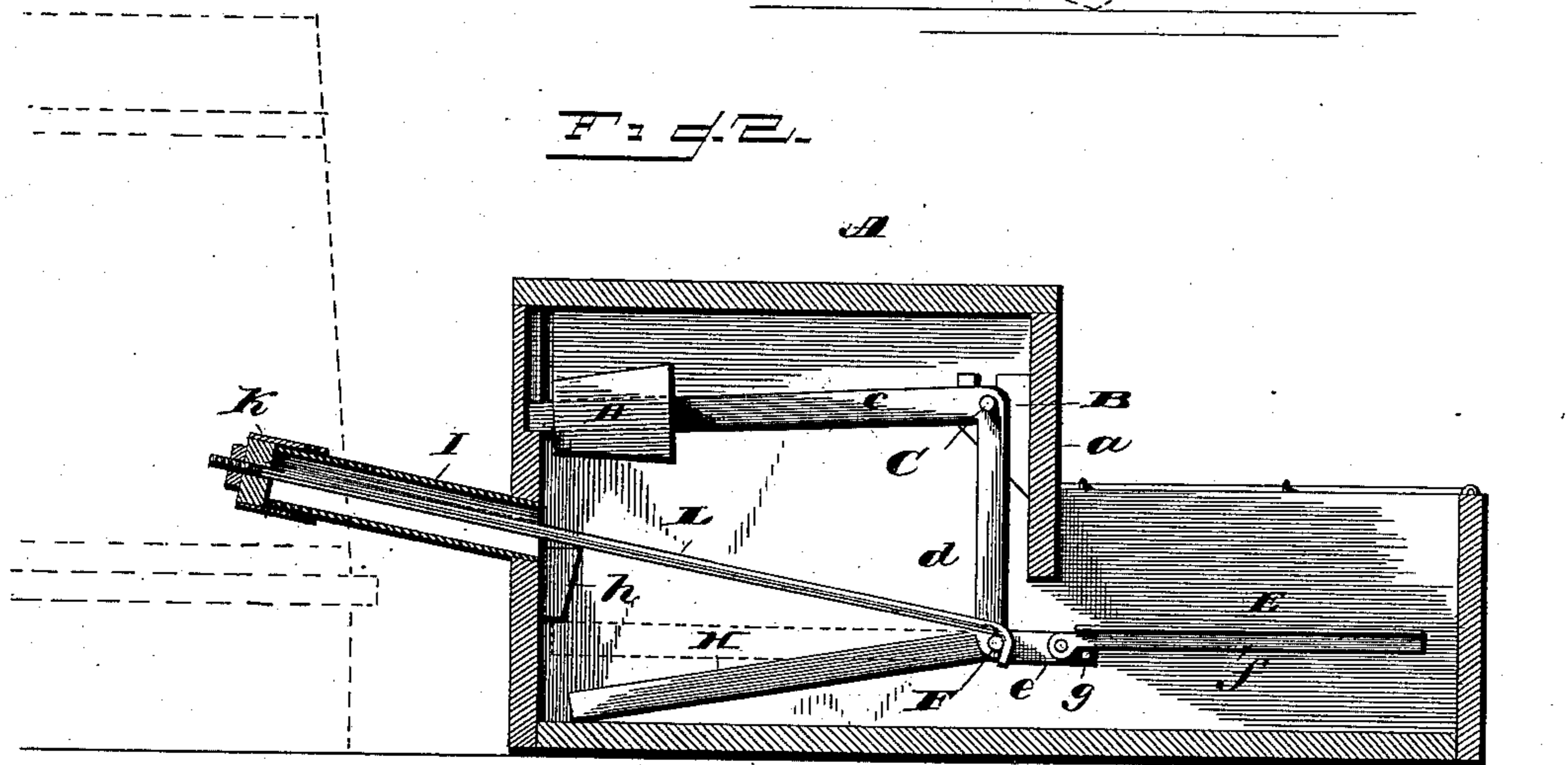
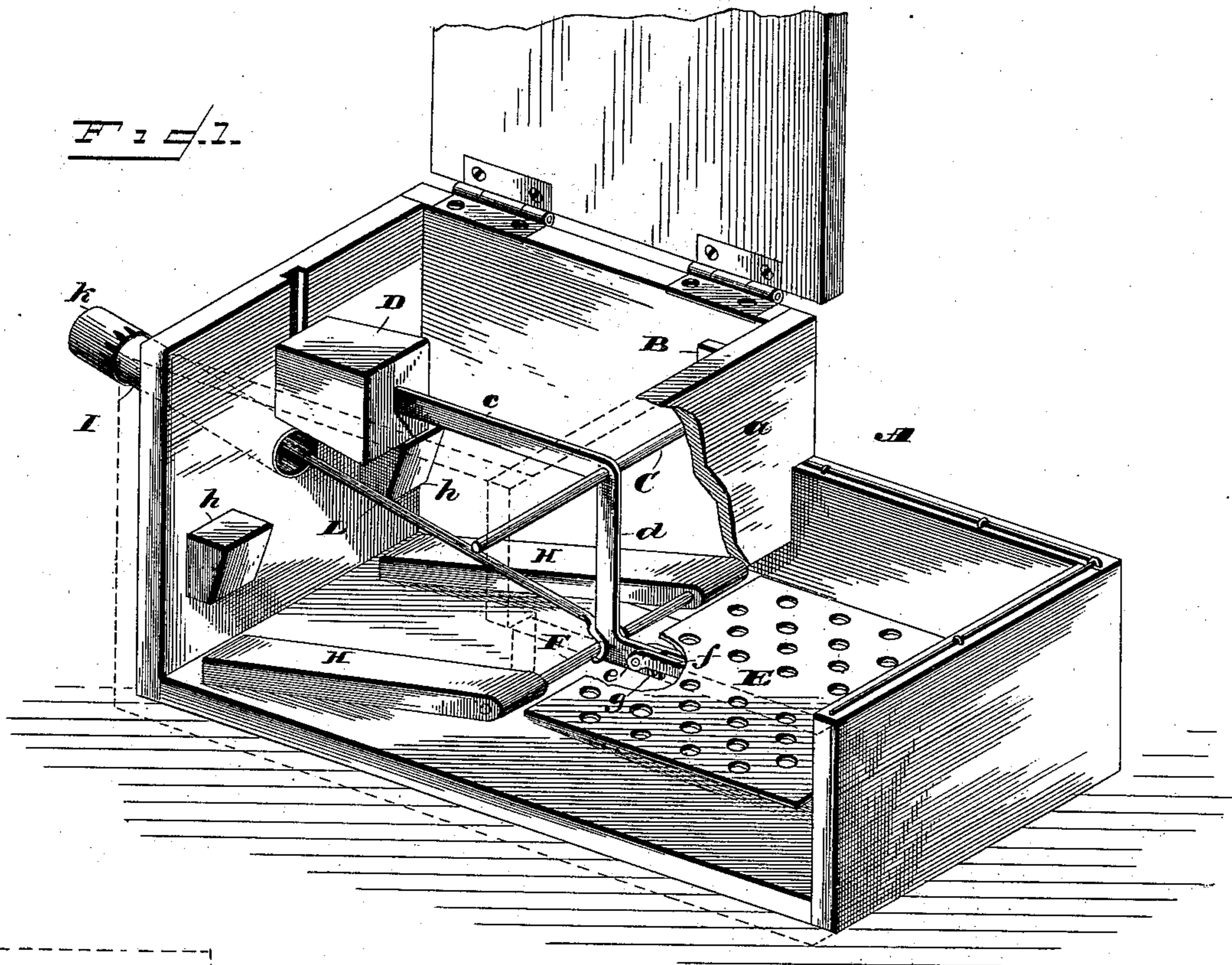
(No Model.)

G. A. EVENSON & F. YOCUM.

STOCK WATERER.

No. 376,031.

Patented Jan. 3, 1888.



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WITNESSES

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GEORGE A. EVENSON AND FRANK YOCUM, OF FINCHFORD, IOWA.

STOCK-WATERER.

SPECIFICATION forming part of Letters Patent No. 376,031, dated January 3, 1888.

Application filed August 4, 1887. Serial No. 246,145. (No model.)

To all whom it may concern:

Be it known that we, GEORGE A. EVENSON and FRANK YOCUM, citizens of the United States of America, residing at Finchford, in the county of Black Hawk and State of Iowa, have invented certain new and useful Improvements in Stock-Waterers; and we do hereby 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Our invention relates to certain new and useful improvements in devices for watering live stock, the object of our improvement being to provide a means whereby a tank or receptacle may be kept supplied with water to a certain level by depressing the platform; and our invention consists in the construction and combination of the parts, as will be hereinafter fully set forth, and specifically pointed out in the claims.

In the accompanying drawings, which illustrate our invention, Figure 1 is a perspective view of a device for watering live stock constructed in accordance with our improvement, one side thereof being removed and the top elevated, so as to show the interior construction, and Fig. 2 is a vertical sectional view.

A refers to a suitable trough, the front end and sides being cut away at their upper edges, so as to provide a compartment, the side walls of the front end thereof being of less height than the rear portion of the side walls. Between the front and rear portion of the trough is a depending board or partition, *a*, which extends slightly beneath the upper edges of the front portion of the trough. The rear portion of the trough or receptacle A is provided with a hinged top, by which, when elevated, access can be had to the interior of the rear portion. The upper edges of the front portion are provided with wire or sheet-iron, which will prevent the same being gnawed or eaten by the animals. The interior of the rear portion of the trough is provided with brackets B B, which are rigidly secured thereto and provide supporting means for a transverse shaft, C, upon which is mounted a weighted lever having members *c*, *d*, and *e*, which are

bent at right angles with each other. The end of the member *c* has attached thereto a weight, D, which may be, if desirable, adjustable thereon, and the end of said member enters a groove or recess formed in the central portion of the end board of the trough A, the lever engaging with the lower portion of the recess, so as to limit the downward movement thereof. The member *e* of the lever is provided at its end with a transverse pin, in rear of which is pivoted a platform, E, the supporting-arms *f* of said platform being secured to the member *e* of the lever by a suitable pivot-pin, so as to embrace said member and rest upon the pin *g*. At the junction of the members *d* and *e* is a transverse pin, F, which is rigidly secured thereto, said pin carrying at its ends boards H H, which are adapted to abut against the rear wall of the trough when the platform E is depressed to its full extent. The upward play of these boards H is limited by blocks *h*, which are attached to the inner side of the rear wall of the trough. The rear wall of the trough is provided with a pipe, I, which connects the same with a water-supply tank. The end of this pipe I within the water-tank is encircled by a short section of pipe of larger diameter, or cap, K, said cap being provided with a rod, L, which is bifurcated, so as to engage with the transverse pin F, which is attached to the lever hereinbefore referred to.

The operation of our invention is as follows: When it is desired that the trough should be filled with water to the proper level, the platform E is depressed. This will cause the weighted end of the lever to be elevated, so as to slide the cap K away from the end of the pipe, so that the water will flow from the supply tank to the receptacle, and as the trough becomes filled the boards or floats H will rise with the water-level, and after the trough has been filled to the proper level said boards or floats will prevent movement of the lever until the water is removed from the trough. It is intended that the water-level should be maintained in the trough A a slight distance above the platform E, so that animals in drinking will depress the platform, so as to admit a supply of water to take the place of that drunk. When it is desired to cut off the supply from the trough, the platform E can be turned upon its pivot, so as to be in a vertical

position. The rod L adjacent to the cap is provided with a nut, so that the movement of the cap can be adjusted, and the inner side of the cap is provided with a suitable cap or washer.

We claim—

1. The combination, substantially as before set forth, of a trough, an elbow-lever pivoted within the trough and having its horizontal arm weighted and its vertical arm provided with a platform, a supply-tank communicating with the trough, a valve to close communication between the tank and trough, and a rod connected at one end to the valve and at its other end to the vertical arm of the lever near the platform.

2. In a device for watering live stock, constructed substantially as shown, a weighted lever pivotally secured within the trough and provided with a platform, E, which is pivotally secured thereto, plates H H, pivoted to the aforesaid lever, fixed stops for limiting the movement of the lever in both directions, and a rod carrying a cap, said cap being adapted to slide over one end of a supply-pipe, substantially as shown, and for the purpose set forth.

3. The combination, substantially as before set forth, of a trough provided with a partition, an elbow-lever pivoted in rear of said

partition, a weight carried in the horizontal arm of the lever, a platform secured to the vertical arm of the lever to protrude beneath the partition, a supply-tank communicating with the trough, a valve to close said communication, and a rod connected at one end to the valve and at the other end to the vertical arm of the lever.

4. In a device for watering live stock, the combination of a receptacle constructed substantially as shown, a lever pivotally secured within said receptacle and provided with members c, d, and e, a weight carried by one of said members, a platform pivotally secured to the lower member of said lever and adapted to be held in a horizontal position by a pin, g, plates H H, rod L, carrying a cap which is adapted to slide over the supply-pipe, and a recess for limiting the downward movement of the weighted end of the lever, and blocks for limiting the upward movement of the plates, the parts being organized substantially as shown, and for the purpose set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

GEORGE A. EVENSON.

FRANK YOCUM.

Witnesses:

A. L. SMITH,

H. C. HEMENWAY.