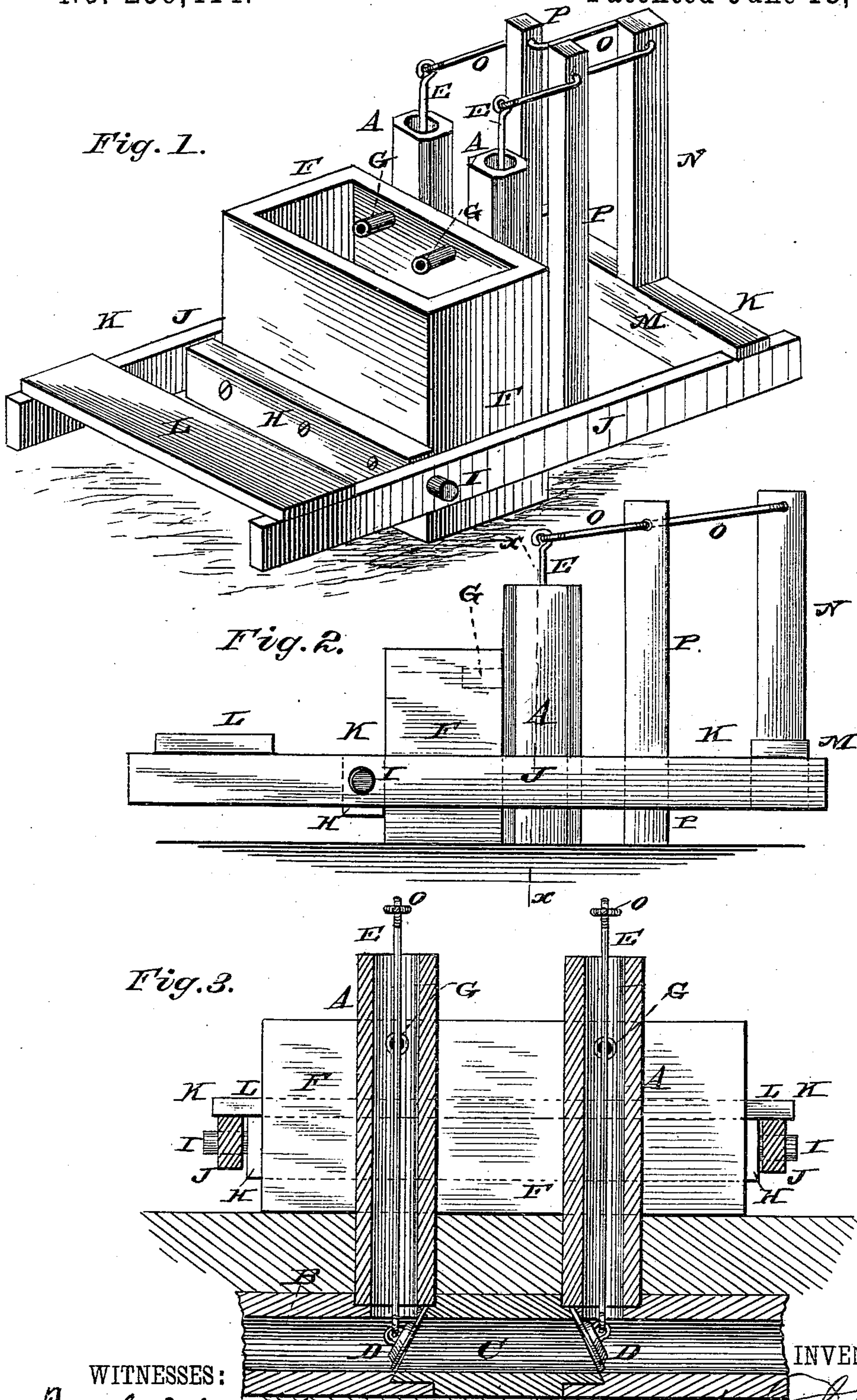


(No Model.)

S. H. MOORE.
STOCK WATERING TROUGH.

No. 259,414.

Patented June 13, 1882.



WITNESSES:

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UNITED STATES PATENT OFFICE.

SAMUEL H. MOORE, OF BRIMFIELD, ILLINOIS.

STOCK-WATERING TROUGH.

SPECIFICATION forming part of Letters Patent No. 259,414, dated June 13, 1882.

Application filed February 10, 1882. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL H. MOORE, of
Brimfield, in the county of Peoria and State of
Illinois, have invented certain new and useful
Improvements in Stock-Watering Troughs;
and I do hereby declare that the following is a
full, clear, and exact description of the inven-
tion, which will enable others skilled in the art
to which it appertains to make and use the
same, reference being had to the accompany-
ing drawings, which form a part of this speci-
fication.

Figure 1 is a perspective view of my im-
proved stock-watering device. Fig. 2 is a side
view of the same, and Fig. 3 is a vertical sec-
tional view on the line *x x*, Fig. 2.

Corresponding parts in the several figures
are denoted by like letters of reference.

This invention relates to an improved device
for watering stock from tile drains, ditches,
&c.; and it consists in the construction of the
same, which will be hereinafter fully described
and particularly pointed out in the claim.

In the drawings hereto annexed, A A rep-
resent two vertical tubes or cylinders, project-
ing upward from the tile drain or ditch B.

C is a horizontal tube forming part of the
ditch or drain, and located, as shown in Fig.
3, between the lower ends of the cylinders A
A. The ends of the tube or section C are cut
off diagonally, and provided with valves D D,
by closing which the water may be cut off from
both ends of said section C. Rods E E are at-
tached to the valves D, and project upward
through the cylinders A, as shown.

F is a trough secured to suitable frame-work
in front of the cylinders A, which are provided
near their upper ends with spouts G, so ar-
ranged as to discharge into the said trough.

Secured to the front side of the trough F is
a transverse brace, H, the ends of which pro-
ject at the sides, as at I, so as to form spin-
dles, upon which are pivoted two levers, J J,
forming the sides of a frame, K. The front
end of said frame is formed by a board or plat-
form, L, and its rear end by a beam, M, hav-
ing an upright, N. To the upper end of said
upright is pivoted one end of a lever or bail,

O, which has its fulcrum at the upper end of a
stationary suitably-arranged upright or brack-
et, P. The front ends of the bail or forked
lever O are pivoted to the upper ends of the
valve-rods E.

The operation of my invention is as follows:
When the front end of the swinging frame K
is depressed—as, for instance, by the weight of
cattle stepping upon the platform L—the rear
end of said frame is elevated, thus operating
the lever O so as to force the valve-rods E in
a downward direction and close the valves.
The water in the ditch or drain, being thus cut
off from the section C, will rise in one of the
cylinders A until, through the spout G of the
latter, it is discharged into the trough F, where
it is accessible to the cattle. When the water
in the trough reaches the spouts G it will pass
out through one of these belonging to the cylin-
der A at the lower end of the ditch or drain
and continue its course through the latter.

By removing the pressure from the platform
L the valves D are automatically closed, and
the water passes, as before, through the sec-
tion C of the drain.

By keeping the platform L permanently
weighted the water may be caused to run un-
interruptedly through the trough F.

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

In a device for watering stock, the combi-
nation of the tile drain or ditch B, having
section C, provided with valves D D, with the
cylinders A, having spouts G, the trough F,
valve-rods E, swinging frame K, having plat-
form L and upright N, and the brackets or up-
rights P, having lever O, connected to said
upright N and to the valve-rods E, all arranged
and operating substantially as and for the pur-
pose shown and specified.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
presence of two witnesses.

SAMUEL H. MOORE.

Witnesses:

MYRON I. WYMAN,

J. W. HERRINGTON.