

P. RAUSCH.  
Apparatus for Watering Stock.

No. 220,423.

Patented Oct. 7, 1879.

Fig. 1.

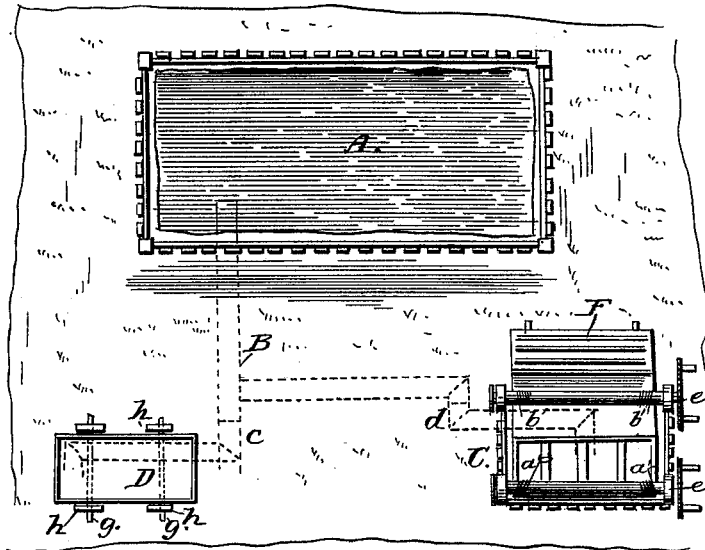


Fig. 2.

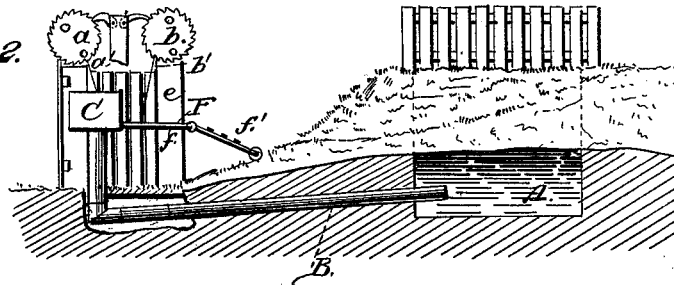


Fig. 3.

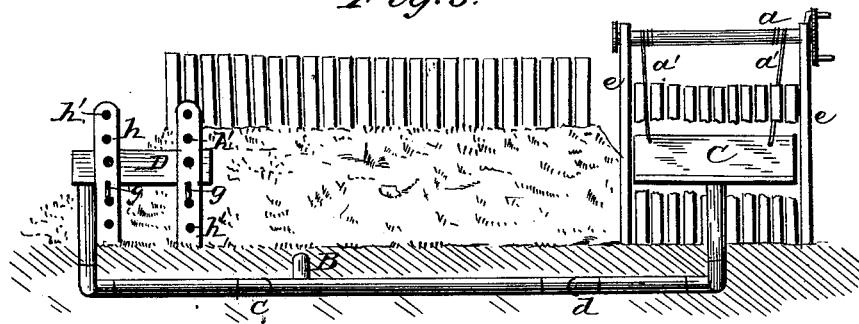
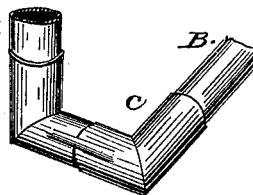


Fig. 4.



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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN APPARATUS FOR WATERING STOCK.

Specification forming part of Letters Patent No. **220,423**, dated October 7, 1879; application filed September 3, 1879.

*To all whom it may concern:*

Be it known that I, PHILIP RAUSCH, of Marysville, in the county of Union and State of Ohio, have invented certain new and useful Improvements in Apparatus for Watering Stock; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being made to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 is a top-plan view. Fig. 2 is an end-view. Fig. 3 is a front view, and Fig. 4 is a detail view of the joint *c*.

This invention relates to certain new and useful improvements in apparatus for watering stock, and more especially to improvements in the class in which water is conveyed through underground pipes from pools made by farmers in their pastures to drinking-troughs; and the invention consists, essentially, of a vertically-adjustable drinking-trough, in connection with one or more adjustable joints in the pipe communicating or leading from the pool to the drinking-trough, whereby said trough can be raised or lowered to suit the height of the water in the pool, and without interfering with the flow of water in the pipe to said trough.

It further consists in the combination, with an adjustable drinking-trough, of a hinged or pivoted platform leading thereto, whereby the stock can get up to said trough whether adjusted higher or lower, according to the height of the water in the pool, all as will be herein-after fully described.

To enable others skilled in the art to which my invention is most nearly connected to make and use the same, I will now proceed to describe its construction and operation.

In the drawings, A represents a pool formed in a pasture, and B an underground pipe leading from the lowest point in the pool to one or more drinking-troughs, C D.

The joints at *c* and *d* of the pipe are so fitted as to turn in the pipe, thus permitting the troughs C and D to be raised or lowered, according to the height of water in the pool, without stopping the flow of water through the pipe leading from the pool to the drinking-troughs.

The trough C is adapted to be raised and lowered through the medium of the windlasses *a b* and the chains *a' b'*, connecting said windlasses with the trough and a portion of the sectional platform secured to said trough.

The windlasses are mounted in uprights *e*, and to which are secured, on three sides of the trough, sections of a picket or other form of fence that will prevent the stock from getting to the trough except through the side left open, or from which projects the sectional platform F, the portion *f* of which is rigidly secured to the trough, while the portion *f'* is hinged or pivoted to said portion *f*, so that the free end of the portion *f'* will always rest on the ground, thus permitting the stock at all times to get to the trough at whatever height the trough can be adjusted to.

The trough D is supported by the cross-rods *g g*, mounted in the standards *h*, which are provided with a series of holes, *h'*, for the reception of said rods, whereby the trough can be raised and lowered and secured in any desired position by said rods.

The pipe B should be laid deep enough in the ground, and also provided near the trough with a stop-cock, for the purpose of permitting a small stream of water to continuously flow in the trough to prevent freezing in cold weather; and the pool should also be fenced in, so that the stock cannot get at the water.

I claim as my invention—

1. In an apparatus for watering stock, the combination of a vertically-adjustable drinking-trough and a pipe for conveying water thereto, provided with one or more adjustable or movable joints, substantially as and for the purpose herein shown and described.

2. In an apparatus for watering stock, a vertically-adjustable drinking-trough provided with a sectional platform, F, the portion *f* secured to said trough, and the portion *f'* hinged or pivoted to said portion *f*, substantially as and for the purpose herein shown and described.

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Witnesses:

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