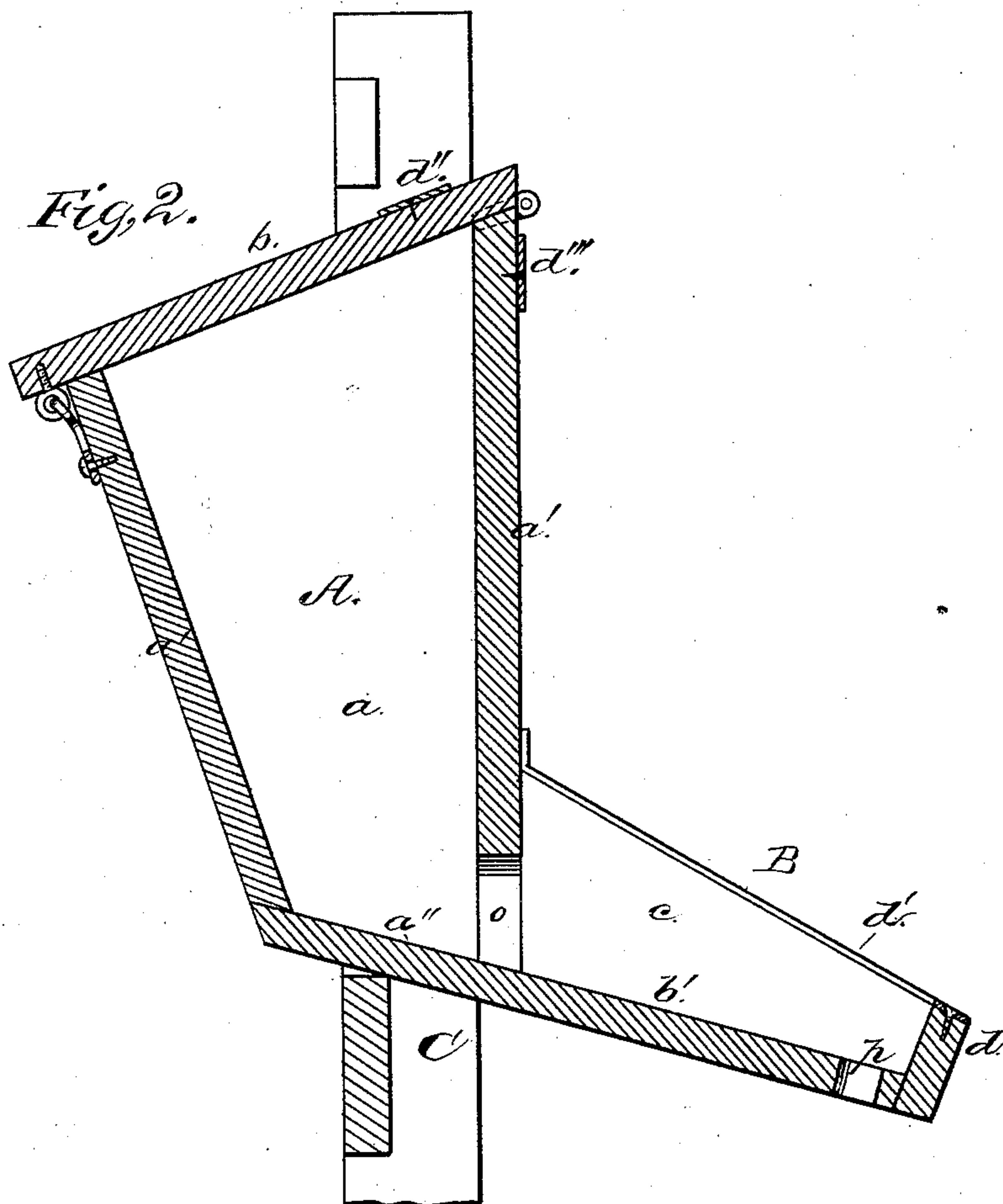
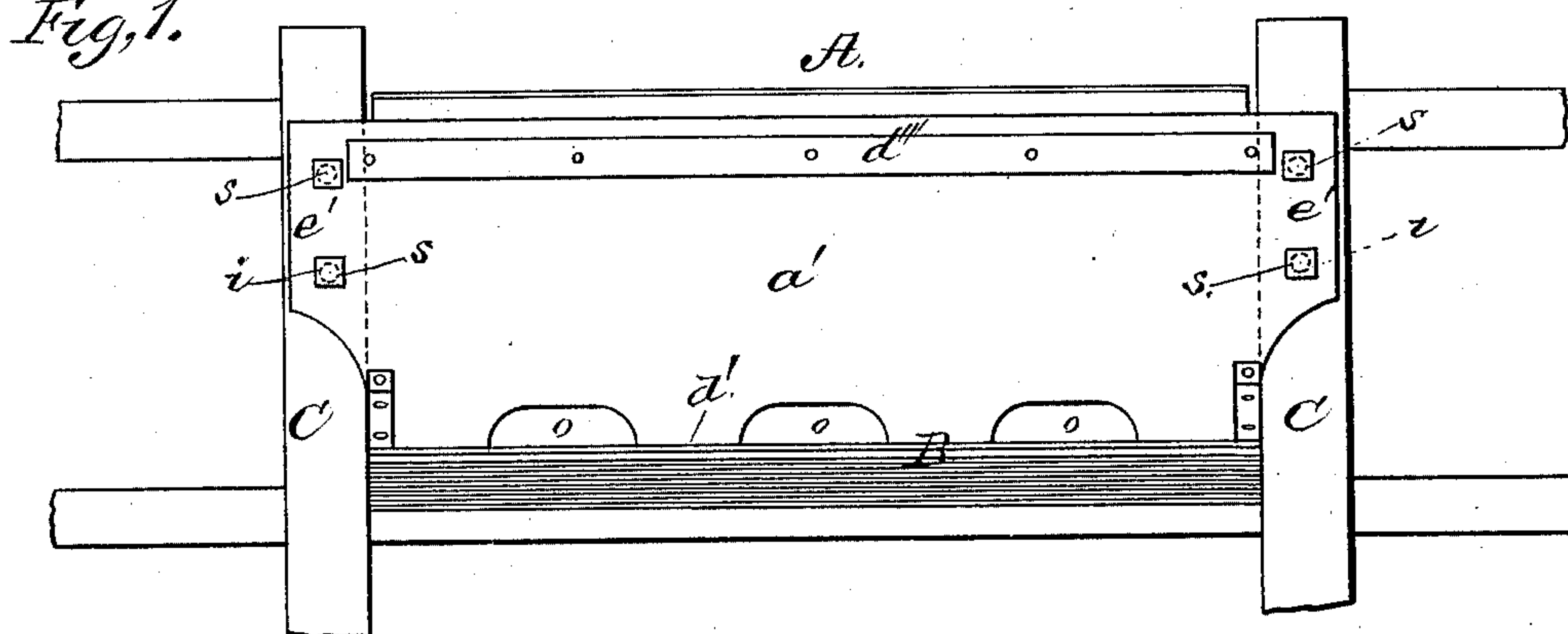


(No Model.)

P. HATFIELD.
Stock Salter.

No. 232,124.

Patented Sept. 14, 1880.



WITNESSES

Villette Anderson
F. J. Masi

INVENTOR

INVENTOR
Peter Hatfield,
by E. W. Anderson
his ATTORNEY

UNITED STATES PATENT OFFICE.

PETER HATFIELD, OF BELMONT, WISCONSIN.

STOCK-SALTER.

SPECIFICATION forming part of Letters Patent No. 232,124, dated September 14, 1880.

Application filed April 7, 1880. (No model.)

To all whom it may concern:

Be it known that I, PETER HATFIELD, of Belmont, in the county of La Fayette and State of Wisconsin, have invented a new and valuable Improvement in Stock-Salters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a front view of my improved stock salter or feeder; and Fig. 2 is a transverse section thereof.

This invention has relation to improvements in means for feeding or salting stock.

The object of the invention is mainly to discharge the food into the trough automatically and in such a manner that there shall be no waste, and that as the feed is eaten up in the said trough a fresh supply is delivered into it.

The nature of the invention consists in the novel construction and arrangement of a hopper and a feed-trough, having an inclined bottom common to both, feed-holes in the front side of the hopper opening into the trough, and perforations in the ends of the hopper-wall for the attachment of the feeder to the fence, the trough being of a size and form to be passed from the outside of the fence into a stock yard or pasture, as will be hereinafter more fully set forth.

In the annexed drawings, the letter A designates a hopper of suitable length, having vertical end walls, *a*, side walls, *a'*, converging toward each other downwardly, and an inclined bottom, *a''*. The hopper is provided with an inclined hinged lid, *b*, acting as a water-shed. The bottom of the hopper is continued out beyond the same, as shown at *b'*, and also serves as the bottom of the trough B. This is composed of the angular end pieces, *c*, usually formed in one piece with the end walls,

a, of the hopper, and of a front rail, *d*, secured to the ends of the extensions *c* and bottom *a''*, thus constituting an effective manger. The edges of the trough are protected from biting stock by the strap-iron strips *d'*, nailed thereto, and the angle which the lid forms with the front of the hopper is similarly protected by the strips *d''' d''*, nailed, respectively, to the hopper and lid, as indicated in Fig. 2.

The front, *a'*, of the hopper is provided with end projections, *e'*, provided with perforations *i*, and constitutes a part of a panel of the fence, the said trough being in the stock yard or pasture and the hopper outside of the line of the fence, so that it may be filled with feed or salt without danger of the stock-keeper being injured by the stock. The feed passes into the trough through the openings *o* in the front of the hopper as fast as it is eaten, and the bottom of the hopper and of the trough being inclined, the feeding is automatic. There can be no waste, since the salt only runs into the trough as fast as it is consumed therefrom.

The salter is secured to fence-posts C by means of bolts or screws *s* passing through the perforations *i* of the end projections, *e'*.

In the bottom of the trough, at its lower end, are perforations *p*, through which refuse and water are removed from the trough.

What I claim as new, and desire to secure by Letters Patent, is—

In a stock salter and feeder, the combined hopper and trough having the inclined bottom *a'' b'*, the vertical front *a'*, having perforated end projections *e'*, and the delivery-holes *o* at its lower edge, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

PETER HATFIELD.

Witnesses:

CHARLES SNYDER,
SAM LEE.