

E. O. STORELEE.
FEED BOX.
APPLICATION FILED APR. 8, 1909.

947,262.

Patented Jan. 25, 1910.

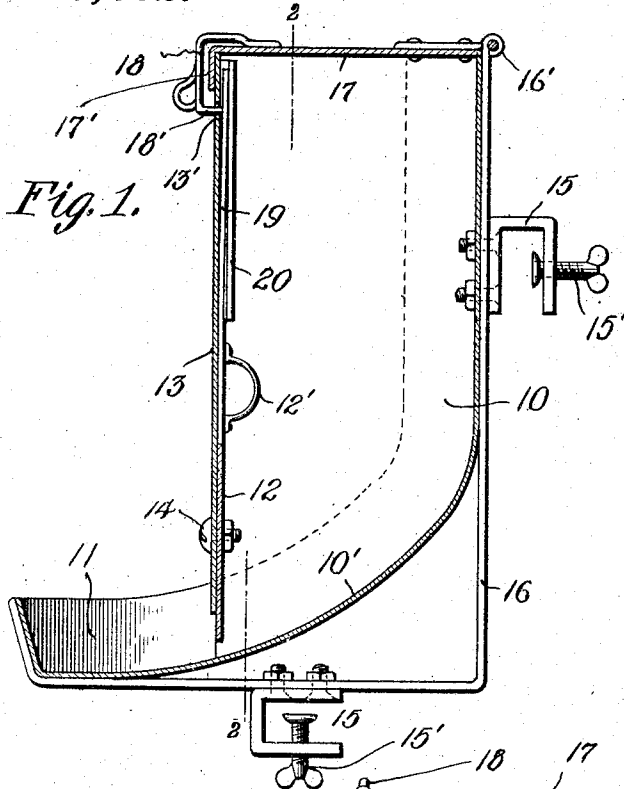


Fig. 3.

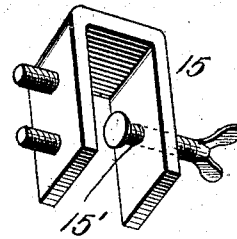
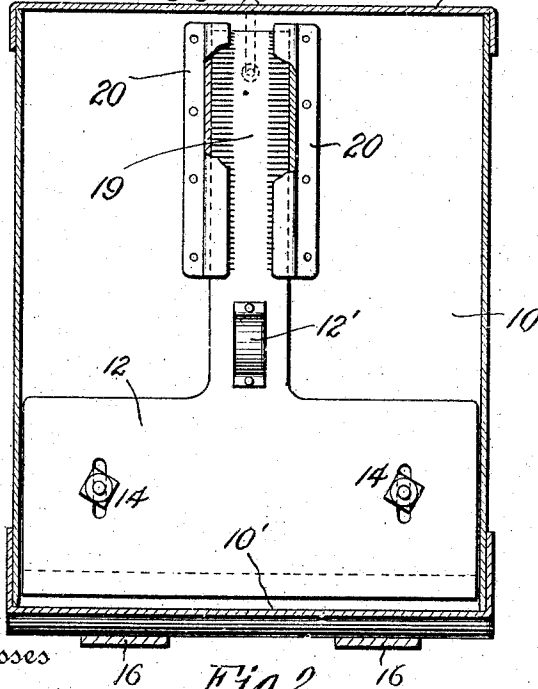
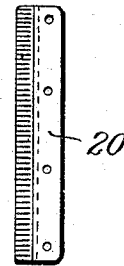


Fig. 4.



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UNITED STATES PATENT OFFICE.

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FEED-BOX.

947,262.

Specification of Letters Patent.

Patented Jan. 25, 1910.

Application filed April 6, 1909. Serial No. 488,191.

To all whom it may concern:

Be it known that I, EDD O. STORELEE, a citizen of the United States, residing at Enderlin, in the county of Ransom and State of North Dakota, have invented certain new and useful Improvements in Feed-Boxes, of which the following is a specification.

This invention relates to feeding apparatus for live stock and especially to a box designed for the feeding of horses when away from the usual feeding places.

The device is adapted to be used especially in connection with racks on wagons used for hauling hay, wood, or the like, when it is necessary to feed the teams when away from home.

The invention comprises certain details of construction hereinafter fully set forth and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a vertical transverse section of the device; Fig. 2 is a vertical section at right angles to the section of Fig. 1, and on the line 2—2 of Fig. 1, Fig. 3 is a detail perspective of one of the clamps, and Fig. 4 is a face view of a part hereinafter described.

Throughout the following detail description, and on the several figures of the drawings similar parts are referred to by like reference characters.

The main portion of the device comprises a feed receptacle or box 10 of any suitable material or dimensions and adapted to contain sufficient feed for the purpose intended. At the lower portion of the box is a projection 11 into which the feed is adapted to roll by virtue of the inclined bottom 10' of the box and from which projecting portion the animals may reach the feed.

The aim in this invention is to provide a receptacle from which the horses may feed but to prevent them from splashing or spilling the feed as commonly occurs when not otherwise provided against. The discharge from the box of the feed into the projection or trough 11 is regulated by means of a slide 12 coöperating preferably with the inner surface of the front wall 13 of the box. The slide is elevated to the desired height depending upon the character of the feed to be delivered thereunder leaving a space between the lower edge of the slide and the bottom of the trough. The slide 12 may be adjusted by hand or by means of a handle 12' upon the inside of the box, and may be held in such

adjusted position by any suitable means. The slide is guided in its operation by means of studs and slots indicated at 14 or by any other suitable guiding devices such as will maintain it in proper position.

In order to secure the box in position on a rack or in any other place temporarily during the feeding hour clamps such as indicated may be employed. The clamps 15 may be connected either to the rear portion of the box or at the bottom and preferably there are a pair of clamps secured to a pair of legs or strengthening bars 16. Each clamp carries a set screw 15' whereby the apparatus may be secured in place. The bars 16 constituting the strengthening means for the feed box extend to the top thereof and may be bent over as indicated at 16' to form members of the hinges for the cover 17 of the box. The cover carries a hasp 18 of suitable spring material secured at its upper end to the top portion of the cover and whose lower end extends below the lower edge of the flange 17' of the cover. The point 18' of the hasp enters the hole 13' of the said wall 13 and thereby secures the cover in place. The hasp 18 is bow-shaped and extends around on the outside of the flange of the cover and its point 18 projects inwardly toward the box below the lower edge of said flange. The normal tendency of said point, therefore, is to be forced inwardly into engagement with the box wall 13. As a convenient locking means for the slide 12 the point 18' aforesaid may coöperate with the upper end 19 of the slide, which end may be notched or serrated on its edges to coöperate with similarly formed guide plates 20 secured to the wall 13. By virtue of the spring 18 the slide extension 19 will always be forced inwardly into engagement with the plates 20 when the cover is locked so that the vibration or jarring of the box which may be incidental to the horses feeding therefrom will not cause the displacement or closing of the slide.

The various portions of the device may be constructed of suitable materials and certain details of construction may be varied in the spirit of the invention hereinafter claimed.

Having thus described the invention, what is claimed as new is:

1. In a feed box, the combination with the main body thereof having a projecting trough at its bottom, of a slide controlling

the opening into said trough, guiding means cooperating with the wall of the box body and said slide, and a spring hasp to lock the cover closed, the point of said hasp normally pressing inwardly and cooperating with the upper end of the slide to maintain the same in adjusted position, substantially as set forth.

2. The hereindescribed feed box comprising a box body having a front wall, a cover hinged to the rear of said box body and closing down upon said front wall, a closure slide cooperating with said front wall and having an extension extending upwardly toward said cover, said extension being toothed on its inner face, a pair of guide plates con-

nected to the inner face of said wall and having teeth cooperating with said slide extension teeth, and a bow-shaped spring hasp rigidly connected to the cover and extending around the front edge thereof and through said front wall into cooperation with said extension to cause interlocking engagement of its teeth and those of the guide plates, whereby the cover is locked closed and the slide held in adjusted position.

In testimony whereof I affix my signature in presence of two witnesses.

EDD O. STORELEE.

Witnesses:

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