

H. B., A. & L. DROSIN.
FEED BAG.
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945,500.

Patented Jan. 4, 1910.

Fig. 1

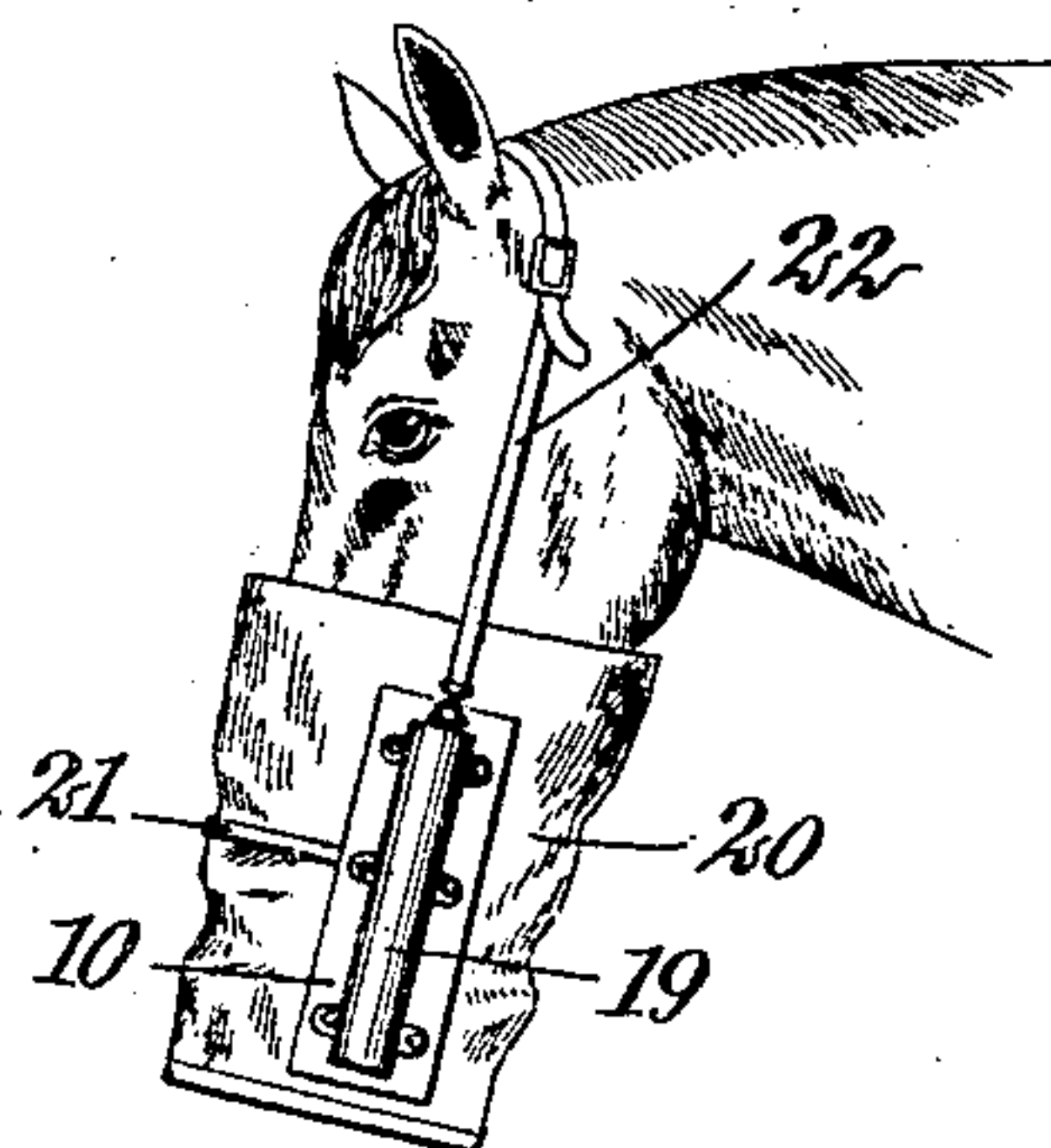


Fig. 2

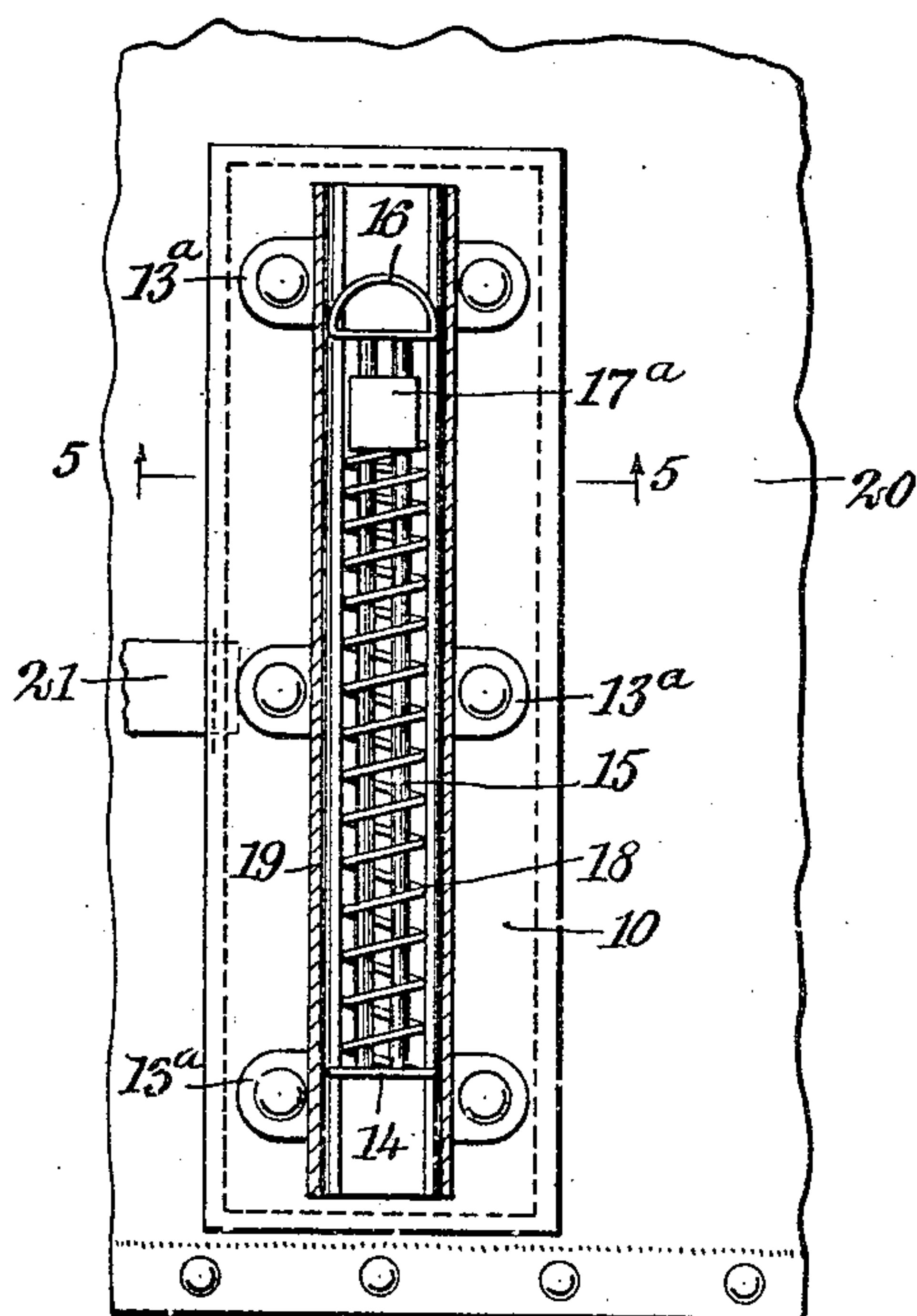


Fig. 3

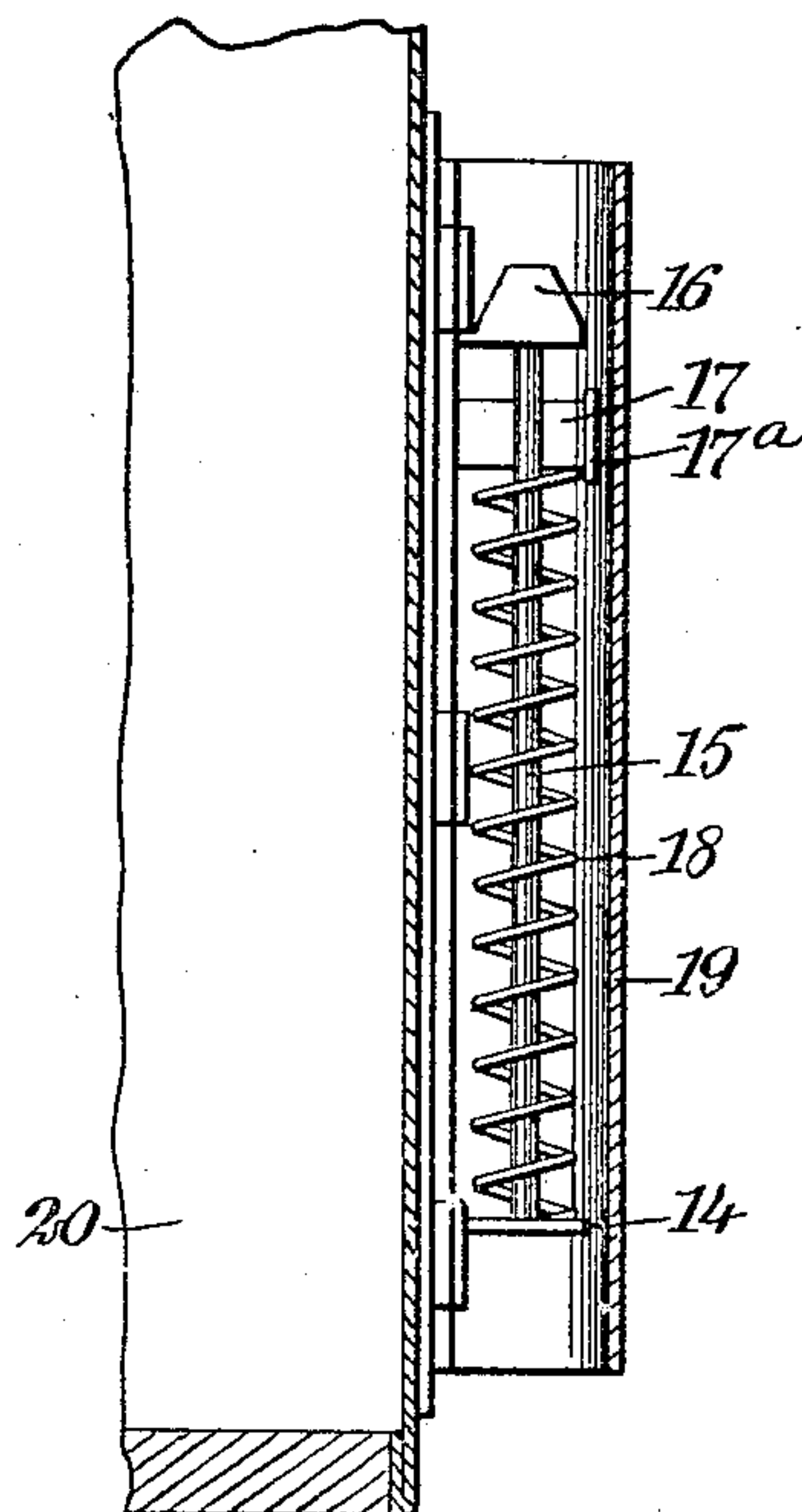


Fig. 4

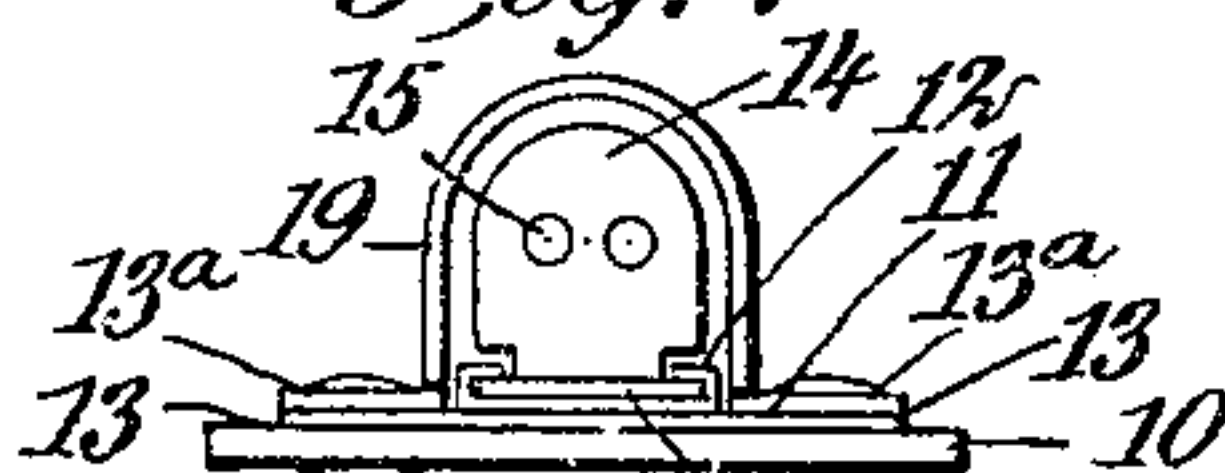
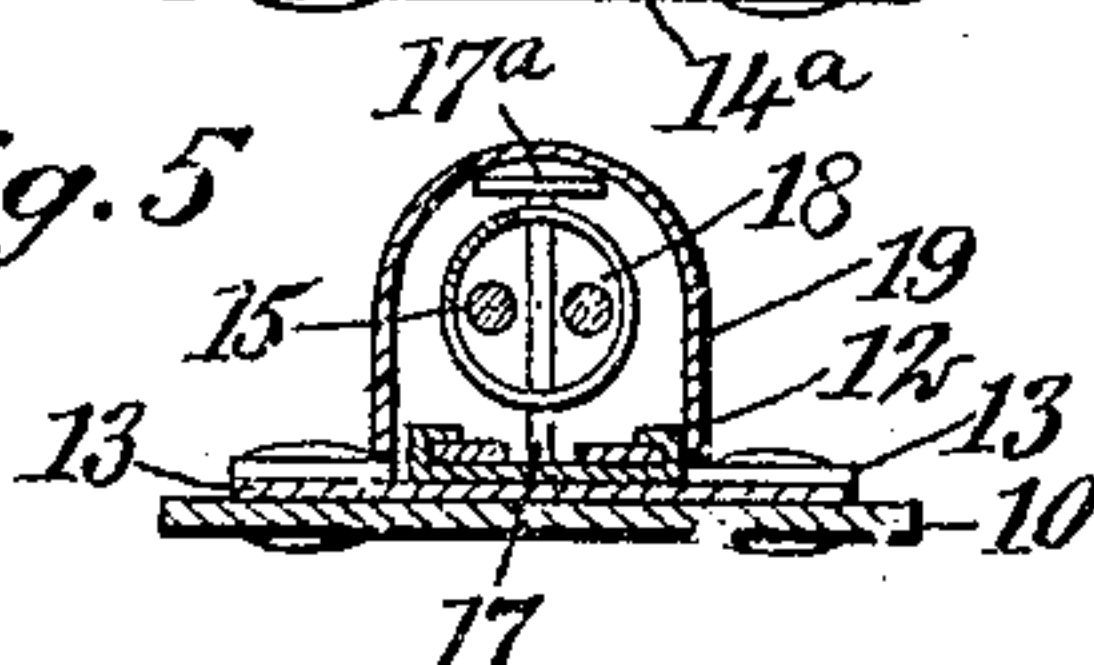


Fig. 5



WITNESSES

F. D. Lunt
W. W. S. Lee

INVENTORS
Henry B. Drosin
Alfred Drosin
Louis Drosin
BY *Mumme*
ATTORNEYS

UNITED STATES PATENT OFFICE.

HENRY B. DROSIN, ALFRED DROSIN, AND LOUIS DROSIN, OF NEW YORK, N. Y.

FEED-BAG.

945,500.

Specification of Letters Patent.

Patented Jan. 4, 1910.

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To all whom it may concern:

Be it known that we, HENRY B. DROSIN, ALFRED DROSIN, and LOUIS DROSIN, subjects of the Czar of Russia, and residents of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Feed-Bag, of which the following is a full, clear, and exact description.

The invention is an improved feed bag, belonging to that class of such devices in which the bag sinks under the weight of the feed and gradually rises as the feed is exhausted, keeping the feed within the range of the animal's mouth.

It is the purpose of the invention to provide a feed bag in which the sides at all times remain stretched out or are non-collapsible in a vertical direction, a bail to suspend the bag from the animal's head, and springs compressed by the weight of the feed in the bag and varying the effective length of the bail.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of our improved bag when in use; Fig. 2 is a fragmentary side view partly in vertical section; Fig. 3 is a vertical section through one side of the bag, the section being taken at right-angles to the section of Fig. 2; Fig. 4 is an inverted plan of one of the members which control the effective length of the bail; and Fig. 5 is a cross-section of the same substantially on the line 5—5 of Fig. 2, looking in the direction of the arrows.

To a leather or equivalent backing 10 is riveted or otherwise secured an inflexible plate or member 11 having a central longitudinal way 12, which is shown in Figs. 4 and 5 to be made of a separate piece, with the edges turned inwardly, the plate and way being both constructed of sheet metal, with the plate provided with outwardly-extending ears 13 through which the rivets are passed which connect it with the leather backing. A foot 14 has a downwardly-turned portion 14^a slidable in the way, and the foot is suitably attached to vertical hangers 15, the hanger consisting of two spaced rods riveted or otherwise secured to the foot

and fixed at their upper ends to an eyelet head 16.

Fixed to the member 11 above the foot 14 is a stud or projection 17, which fits the space between the rods of the hanger and has a head 17^a at the outside thereof; and between the studs 17 and foot 14 is interposed a spring 18 which surrounds the hanger and normally presses the foot to the lower limit of its movement. The hanger, spring, etc. are inclosed, except at the ends, by a longitudinally arched casing 19 having ears 13^a conforming to and registering with the ears 13 of the plate 11, and through which the rivets securing the plate to the backing also pass.

To a canvas or other ordinary form of feed bag 20 is attached at opposite sides, one of the appliances just described, the connection being effected by stitching or otherwise fastening the backing to the outside and along the length of the bag, with the foot 14 at the bottom, a strap 21 being also secured at the ends to the backings of the two appliances and extending around the front of the bag. The eyelet heads 16 are attached to the two ends of a bail or strap 22 for suspending the bag from the animal's head, as shown in Fig. 1.

When the bag is filled, or partially filled, with the feed, the weight of the feed is transmitted to the springs, which are compressed, rendering the strap or bail effectively longer and adapting it to support the bag at the required distance from the animal's mouth. As the feed is exhausted, the springs lengthen and gradually raise the bag on the animal's nose, keeping his mouth at all times within reach of the surface of the feed until the feed is wholly exhausted. The strap 21 passing around the front of the bag serves to offset any tendency of the animal tipping the bag with its nose.

Having thus described our invention, we claim as new and desire to secure by Letters Patent:

1. A feed bag having relatively inflexible members secured at opposite sides along its length, provided with ways, longitudinally slotted hangers having a slidable connection with the ways, provided with feet, a bail attached to the hangers for suspending the bag from the head of the animal, projections fixed relatively to the bag above the feet of

the hangers and passing through the slots of the hangers, and springs interposed between the feet of the hangers and the projections to vary the effective length of the
5 bail.

2. The combination of a feed bag, flexible backing plates, relatively inflexible members having ways riveted to the backing plates, with the backing plates stitched along the
10 length of the bag at opposite sides, studs fixed to the members and projecting outwardly therefrom, feet slidable in the ways of said members, hangers fixed to the feet, each hanger having spaced rods between

which the studs pass, springs interposed 15 between the studs and feet and surrounding the hangers, and a bail for suspending the bag, attached to the hangers.

In testimony whereof we have signed our names to this specification in the presence 20 of two subscribing witnesses.

HENRY B. DROSIN.
ALFRED DROSIN.
LOUIS DROSIN.

Witnesses:

JULIUS TOFF,
MIKE CREAMER.