

(No Model.)

A. H. HANSON.
NOSE BAG.

No. 514,712.

Patented Feb. 13, 1894.

Fig. 1.

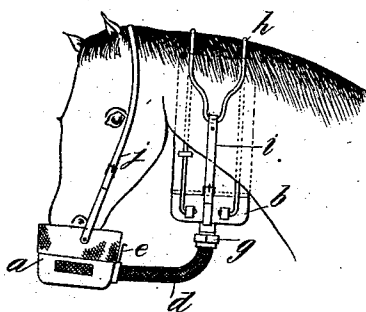


Fig. 2.

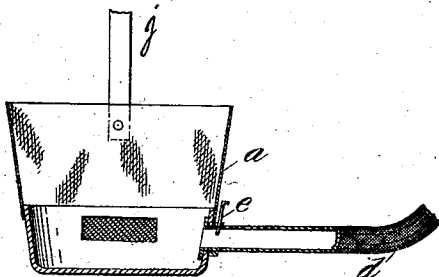


Fig. 3.

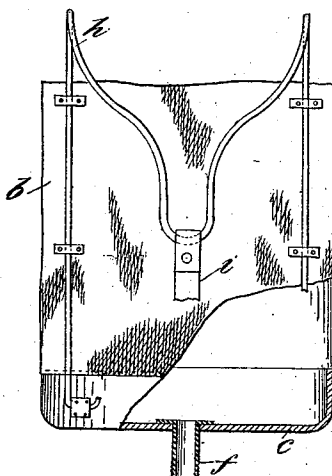
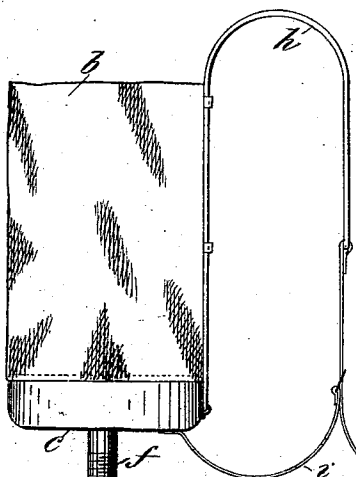


Fig. 4.



Witnesses:
John Buckler,
Chas. Morgan

By

Inventor:
A. H. Hanson
A. P. Thayer
Attorney.

UNITED STATES PATENT OFFICE.

AXEL H. HANSON, OF BROOKLYN, NEW YORK.

NOSE-BAG.

SPECIFICATION forming part of Letter Patent No. 514,712, dated February 13, 1894.

Application filed July 5, 1893. Serial No. 479,676. (No model.)

To all whom it may concern:

Be it known that I, AXEL HERMAN HANSON, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Nose-Bags, of which the following is a specification.

My invention consists of an automatic feeder attachment for nose bags, whereby the amount of feed admitted to the bag in the first place will be limited to a quantity most favorable for the convenience and comfort of the animal, and the rest will be supplied at a uniform rate until the ration is consumed as herein- after fully described reference being made to the accompanying drawings in which—

Figure 1, is a side elevation of my improved nose bag and feeder as applied to the head and neck of a horse in use. Fig. 2, is a sectional elevation of the nose bag and part of the feeding hose enlarged. Fig. 3, is a side elevation of the receiver and its suspending yoke, also enlarged, and with a part of the receiver in section. Fig. 4, is an elevation of the receiver and yoke in a view at right angles to that of Fig. 3, also enlarged.

I employ a nose bag of the common form as *a*, but not so deep as usual, and suspend it on the head of the animal in any approved way as by straps *j*, and in addition thereto I provide another bag as *b*, adapted to be suspended from one side of the head or from the neck directly back of the head, and connected through its bottom *c*, with one side of the nose bag a little above its bottom by a flexible, and preferably, a detachable hose or spout *d*, this bag *b* being a receptacle into which the ration is put in the first place and from which a limited quantity will flow into the nose bag when the animal reaches downward as it naturally does in quest of food, the said quantity being limited by the height of the mouth of the hose above the bottom of the nose bag, and by the elevation of the nose bag when the animal having secured a mouthful of food raises its head again to masticate. A valve or gate is represented at *e*, in the spout that may also be used as a means of regulating the supply by setting it more or less open, and it may also be employed to shut off the supply altogether when required, as when it may be de-

sired to prevent the animal from access to the food for a time, or when it may be desired to supply the bag with two rations, and it is necessary to shut off the supply therein when one ration has been consumed and the receptacle is to remain on the neck of the animal. The gate may however be dispensed with if not required.

The hose is detachably connected to the receptacle by the nozzle *f*, of the latter and the hose coupling *g*, of the usual form on the end of the hose to be so coupled. This may also be dispensed with but it is sometimes desirable to disconnect the parts.

The receptacle *b*, is attached to a wire yoke *h*, suitably formed to hook over the neck of the animal directly back of the head, and provided with a throat latch *i*, for securing it; this yoke may be constructed and arranged in any approved way or straps may be used instead.

It will be seen that with such a feeding attachment the animal will be relieved of the hinderance to feeding properly, and of the discomfort attending the use of the ordinary nose bags in which the nose of the animal is for a while too deeply immersed in the feed, and later is out of reach of it. There is also a considerable saving of feed resulting from my improved feeding attachment, because, in consequence of the greater comfort and convenience to the animal it holds the bag more quietly, and spills less and consumes more.

I claim—

1. The combination with the nose bag, of a feed receiver, and means for suspending it from the neck of the animal, and a flexible automatic feeding hose connecting the bottom of the receiver and the side of the nose bag substantially as described.

2. The combination with the nose bag of a feed receiver, and means for suspending it from the neck of the animal, the flexible automatic feeding hose connecting the bottom of the receiver and the side of the nose bag, and the regulating gate in the hose substantially as described.

3. The combination with the nose bag of a feed receiver, and means for suspending it from the neck of the animal, the flexible automatic feeding hose connecting the bottom

of the receiver and the side of the nose bag, and the detachable joint connecting said hose with the bottom of the receiver substantially as described.

- 5 4. The combination with the nose bag, of a feed receiver adapted to be applied to the neck of the animal, the suspending yoke attached to the receiver and adapted to be hooked on the neck of the animal, the throat
10 latch for securing the yoke, and the flexible automatic feeding hose connected to the bot-

tom of the receiver and the side of the nose bag substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name, in pres- 15
ence of two witnesses, this 20th day of May, 1893.

AXEL H. HANSON.

Witnesses:

W. J. MORGAN,
S. H. MORGAN.