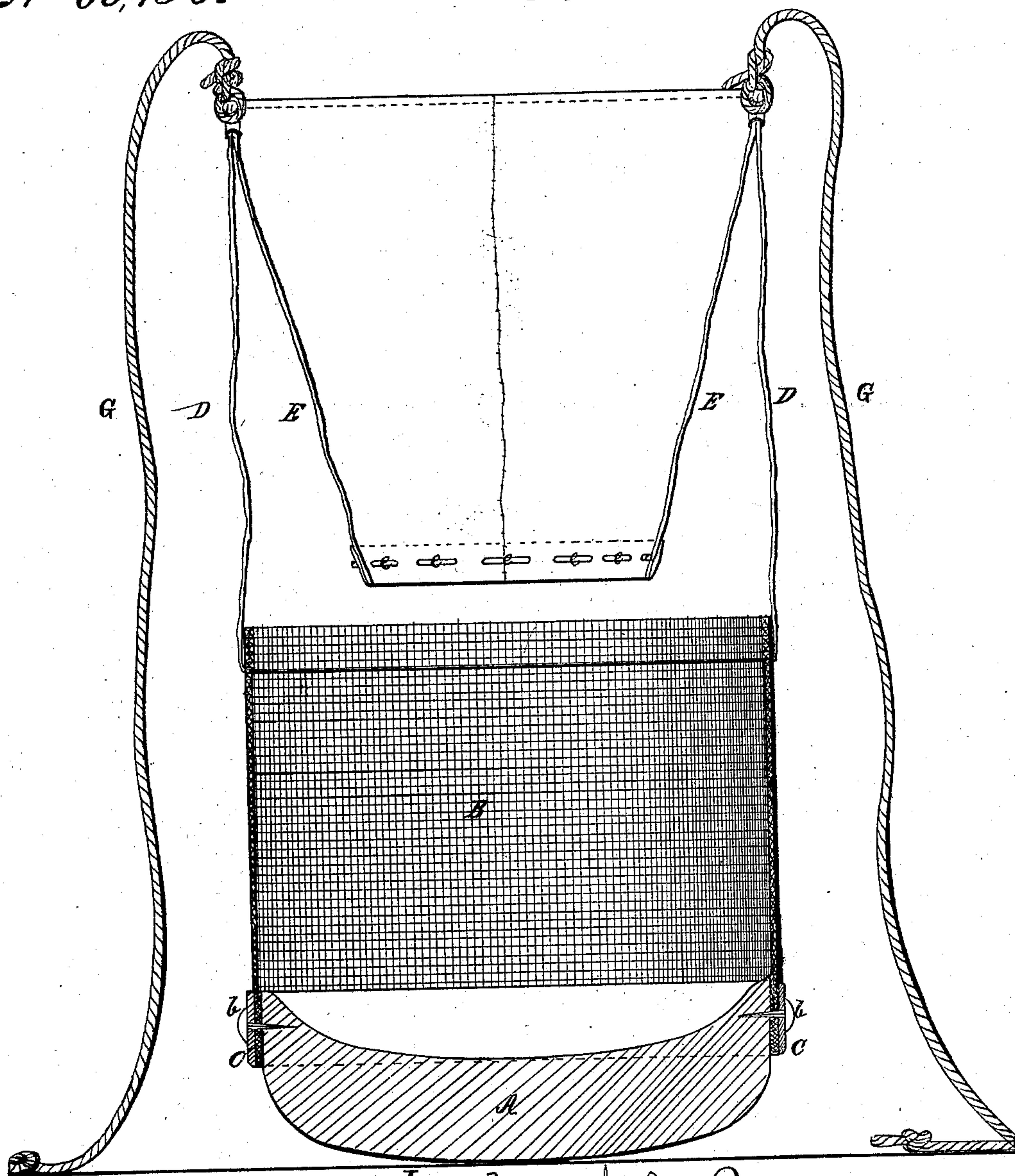


*J. Vandercar,*

*Nose Bag,*

*Nº 66,190.*

*Patented June 25, 1867.*



*Witnesses.*

*J. L. Freeborn*  
*W. C. Dey*

*Inventor.*

*John Vandercar*  
*by his attorney T. L. Stetson*

# United States Patent Office.

JOHN VANDERCAR, OF BROOKLYN, NEW YORK, ASSIGNOR TO T. S. SPERRY, OF SAME PLACE.

*Letters Patent No. 66,190, dated June 25, 1867; antedated June 20, 1867*

## IMPROVEMENT IN FEED-BAGS.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN VANDERCAR, of Brooklyn, in the county of Kings, and State of New York, have invented certain new and useful Improvements in Feed-Bags; and I do hereby declare that the following is a full and exact description thereof.

My invention consists in a combination of a double bag and spring, with a rigid bottom perforated near the base to allow for a circulation of air.

I will first describe what I consider the best means of carrying out my invention, and will afterwards designate the points which I believe to be new. The accompanying drawing forms a part of this specification, and represents a longitudinal section through the entire bag.

Referring to the drawing, A is a base-piece, of wood; B, a cylindrical envelope, of stout wire cloth, firmly secured to the wood by the nails *b*. It is well to have a strap of leather or metal around the wire cloth B, and to introduce the nails *b* through this strap, as indicated by C. D is the exterior bag. It is firmly secured by sewing or otherwise to the upper edge of the woven wire B. It extends upward, as represented, and, folding over, descends again within itself, forming an interior bag or partial bag, E. The lower end of this interior bag E is provided with an elastic string, *e*, of vulcanized India rubber, or other elastic material. A coiled brass spring may be used, if preferred, the function of which is to contract the lower edge of the interior bag, and cause it to fit around the muzzle of the horse. G G are stout cords, attached to the upper edges of both the exterior and interior bags, and adapted to attach the whole to the animal in any approved manner.

Many efforts have been before made to guard against the loss of the oats or other feed by causing the bag to fit around the muzzle of the animal. My invention avoids the objections justly urged against these. The shaking of the head of the animal in throwing up the feed throws it into the annular space between the outer and inner bags, whence it returns with certainty and is always accessible. The elastic ring *e* is at such a distance below the junction of the inner bag E with the outer bag D, that no part is strained in adapting the bag to all the motions of the jaw, or to feed horses of very different sizes and formations.

The wire for the wire cloth B is by preference galvanized or tinned iron wire, and may be made very durable. The part B will allow free circulation for the air, and should extend sufficiently high to allow reasonable openness above the top of the feed, when the bag has received the largest amount of feed which it is desirable to supply at one time.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is as follows:

I claim the internal bag E, extending downward and inward from the top of the structure, and provided with the spring *e*, arranged to operate relatively to the internal bag E, and to the perforated exterior casing B, substantially as and for the purpose herein set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN VANDERCAR.

Witnesses:

JAS. A. FLEURY,

W. C. DAY.