

(No Model.)

F. WHEATON.
VENTILATOR FOR FEED BAGS.

No. 294,421.

Patented Mar. 4, 1884.

Fig. 1.

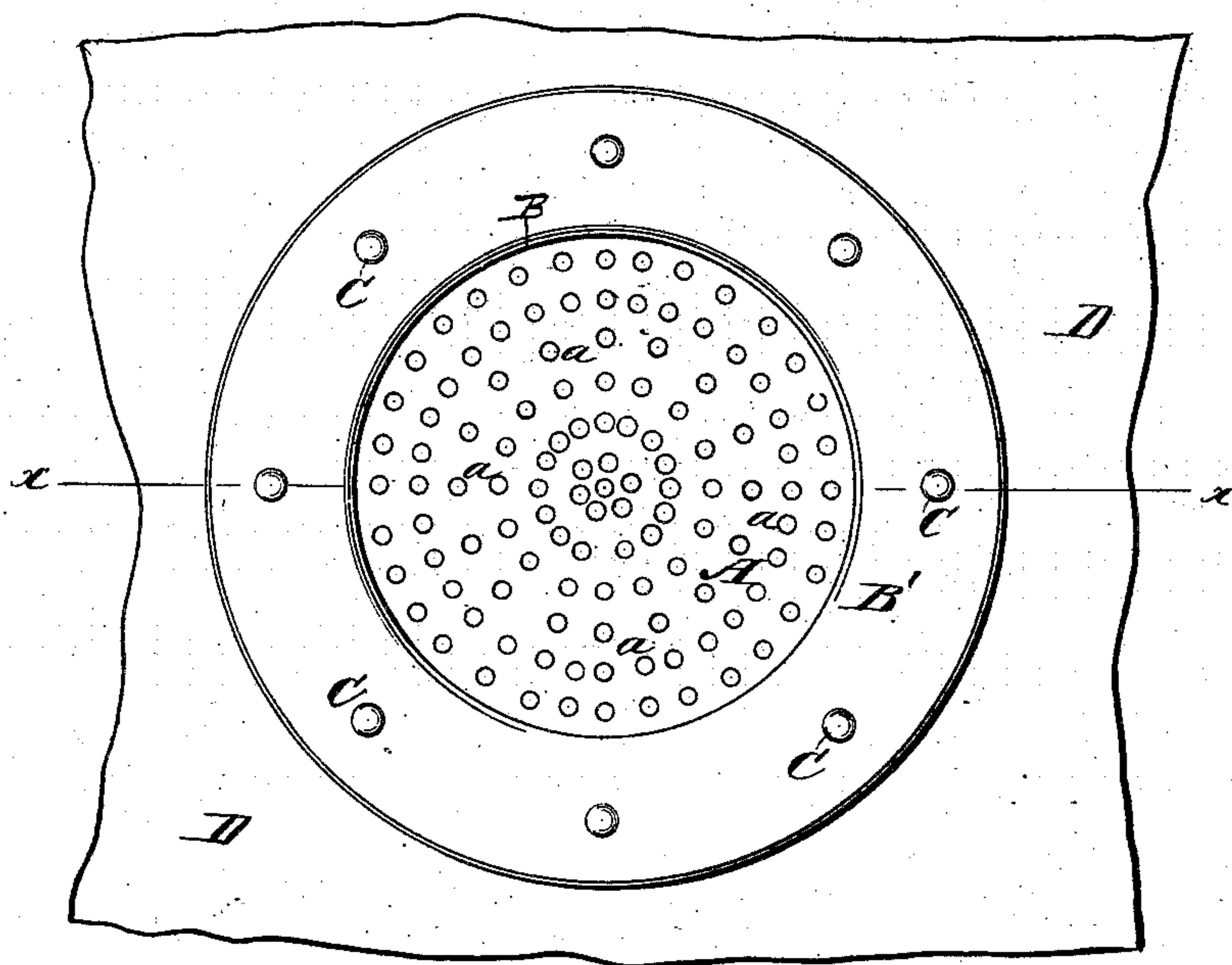
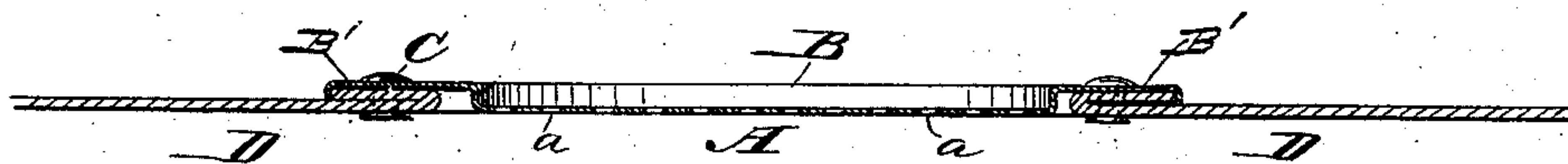


Fig. 2.



WITNESSES:

Francis Mc Ardle
C. Sedgwick

INVENTOR:

F. Wheaton
BY *Munn & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

FRANK WHEATON, OF BROOKLYN, NEW YORK.

VENTILATOR FOR FEED-BAGS.

SPECIFICATION forming part of Letters Patent No. 294,421, dated March 4, 1884.

Application filed June 13, 1882. Renewed July 21, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRANK WHEATON, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Ventilator for Fodder-Bags, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved ventilator for fodder-bags for feeding horses.

The nature of the invention consists in a perforated bottom or ventilator for feed or fodder bags, said bottom or plate having a surrounding rim provided with a flange secured to the bag, substantially as hereinafter more fully set forth and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a plan view of my improved ventilator for fodder-bags. Fig. 2 is a cross-sectional elevation of the same on the line *x x*, Fig. 1.

A metal plate, A, is provided with perforations *a*, and these perforations are surrounded by a raised ring or rim, B, which is stamped or pressed up on the plate A, the perforated part of the plate and the raised rim being made integral. The rim B is provided with a horizontal apertured flange, B', having a series of apertures, through which rivets C are passed for securing this ventilator on the material D of which the bag is made, or the ventilator can be secured on the bag by sewing.

The inner surface of the perforated part of the ventilator is to be flush with the inner surface of the bag.

This ventilator is of very simple construction, as it is made of one single piece of metal, and is thus much more durable than the ventilators in which the netting or perforated plate is soldered or riveted to the rim or ring. Slots may be provided in place of the perforations *a*. The perforations and the rim are punched or stamped out in a single operation.

By providing the rim B of the ventilator A with the broad surrounding flange B' it will be observed that a greater area of fastening-surface for its attachment to the bag is furnished and an extended bottom provided to the bag, while by its occupying a relatively raised plane, the lower edge of the material is enabled to be fastened thereto on its under side, to isolate the fastening-edge of the material from the contents of the bag and from the action of the horse's mouth.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a feed or fodder bag, the combination, with the bag portion D, of the perforated bottom or plate A, having the raised surrounding rim B, provided with a horizontal apertured flange, B', substantially as shown and described, and for the purpose set forth.

FRANK WHEATON.

Witnesses:

OSCAR F. GUNZ,
C. SEDGWICK.