

No. 791,171.

PATENTED MAY 30, 1905.

W. J. WASHBURN.  
DEVICE FOR FEEDING OATS TO ANIMALS.

APPLICATION FILED SEPT. 8, 1903.

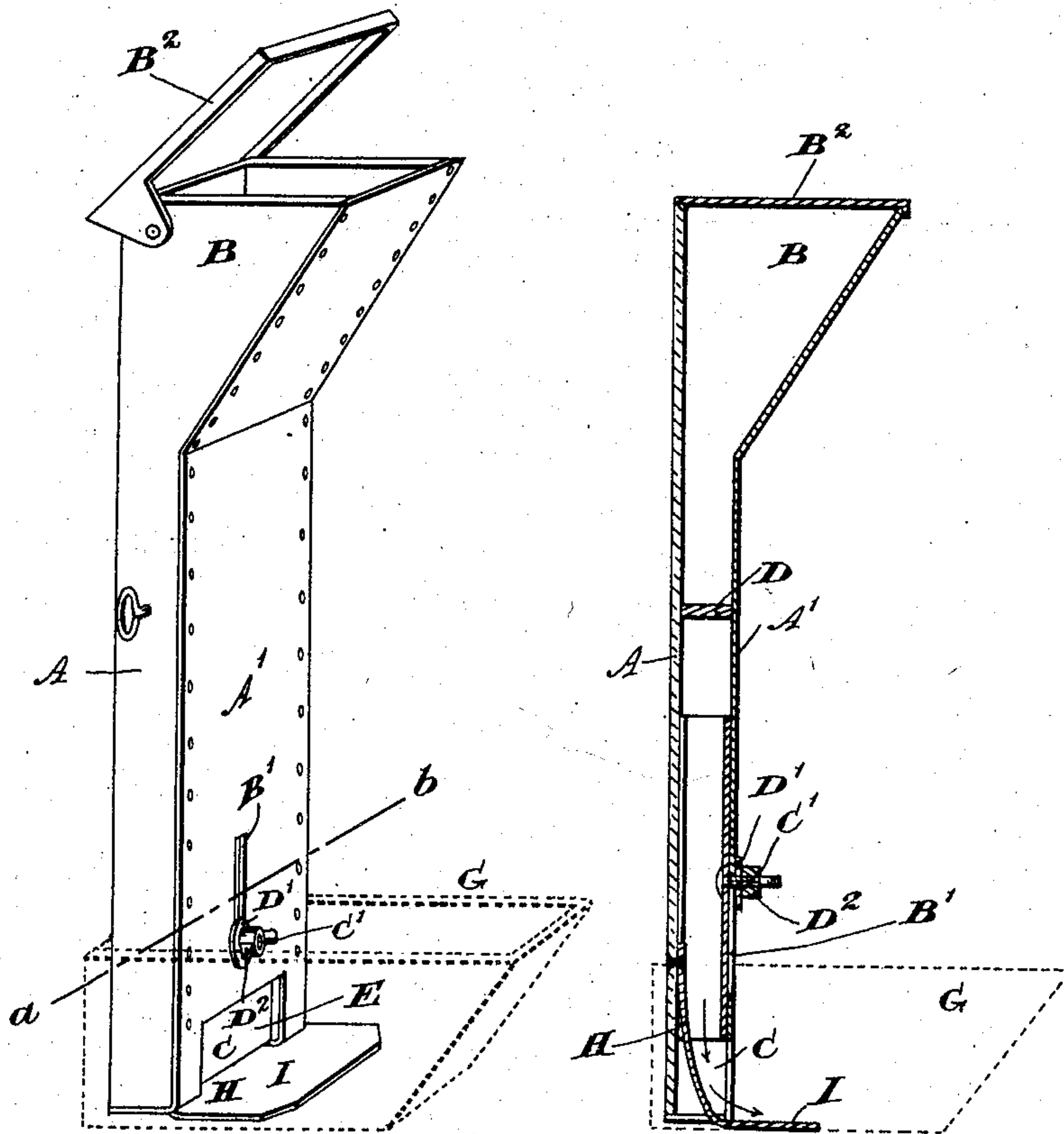


Fig. 1.

Fig. 2.

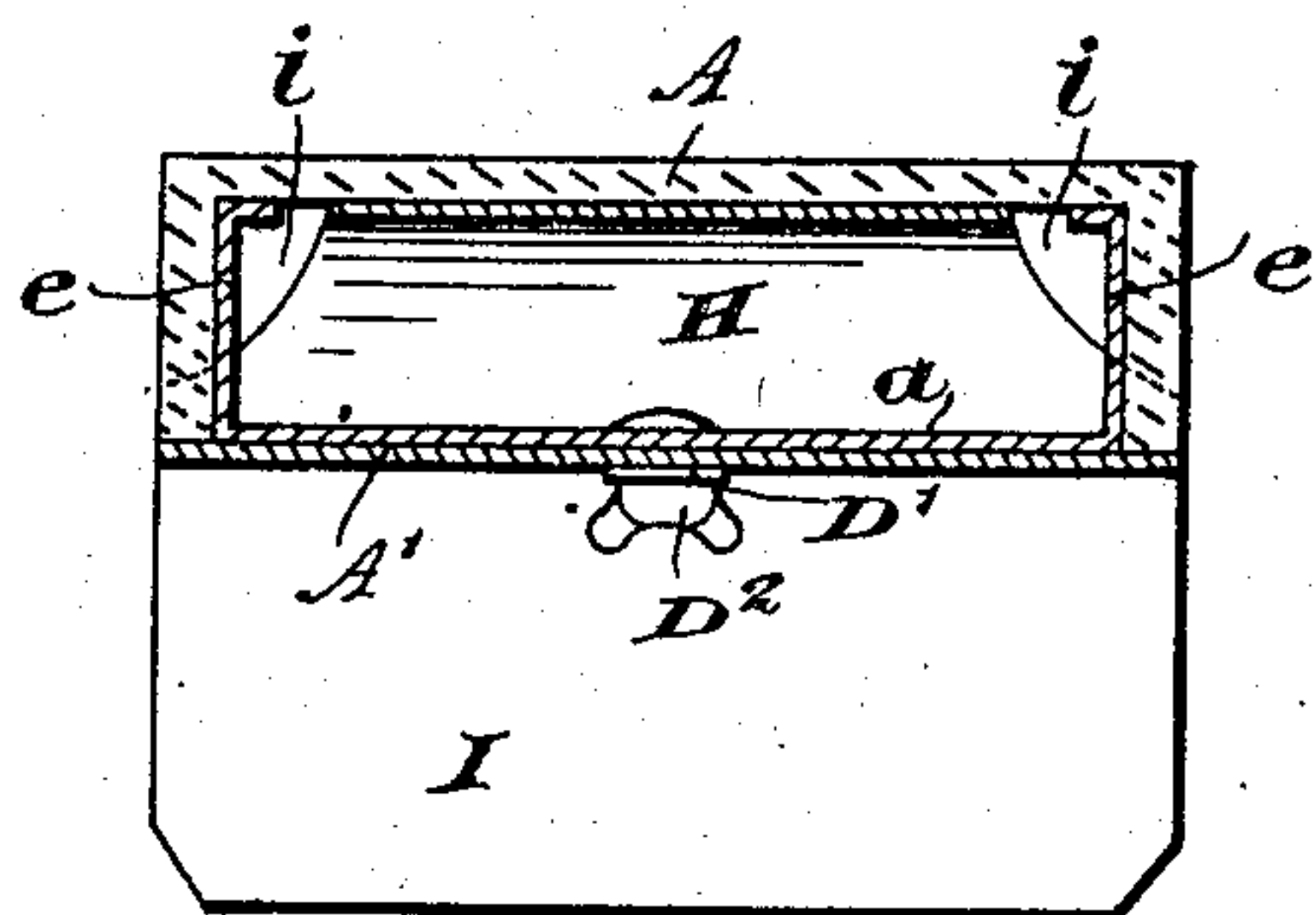


Fig. 3.

Witnesses.

Wm. R. Hall.

Drew Brucke

Inventor.

W. J. Washburn  
by J. R. Case,  
att'y.

# UNITED STATES PATENT OFFICE.

WILLIAM JOHN WASHBURN, OF CHESLEY, CANADA.

## DEVICE FOR FEEDING OATS TO ANIMALS.

SPECIFICATION forming part of Letters Patent No. 791,171, dated May 30, 1905.

Application filed September 8, 1903. Serial No. 172,374.

*To all whom it may concern:*

Be it known that I, WILLIAM JOHN WASHBURN, a subject of the King of Great Britain, residing in the village of Chesley, in the county of Bruce and Province of Ontario, Canada, have made certain new and useful Improvements in Devices for Feeding Oats to Animals, of which the following is a specification.

My invention relates to improvements in devices for feeding oats to animals; and the object of my invention is to provide a device of this class by means of which I can measure the quantity of oats fed to an animal, so that there will be the minimum amount of waste thereof.

The construction and operation of my device will be hereinafter more particularly explained.

This device has been patented to me already in the Dominion of Canada on June 9, 1903, under No. 81,290; but I have included certain improvements on the invention covered by the said Canadian patent in this application.

Figure 1 is a general perspective view of my device. Fig. 2 is a vertical central section through Fig. 1. Fig. 3 is an enlarged cross-section on the line *a b*, Fig. 1.

In the drawings like letters of reference indicate corresponding parts in each figure.

The device is made of any suitable material, such as galvanized iron and wood.

A is the body of the receptacle, which may be, if desired, provided with a hopper-shaped top B. I preferably construct the front A' of the body the same length as the rest of the body and provide at its lower end an opening C, through which the oats pass from the receptacle into the feed-box G. Midway said receptacle I secure any suitable cut-off D, by means of which I can measure the quantity of oats fed from the upper portion of said device (which is of course filled with the oats) down into the feed-box G. The cut-off D (shown in the drawings) is in the form of a swiveled partition and is operable by means of a handle that projects outside of the receptacle, as shown in Fig. 1. The quantity of oats I find economical to feed at a time to an animal is a half-gallon.

E is a vertically-movable slide operating

within the body A, so as to open and close the opening C. By means of this slide I can regulate the quantity of oats passing from the receptacle into the feed-box. The said slide is provided with side flanges *e*, which fit against the inside of the body A, and the front portion *a* of said slide operates against the inner side of the front A'.

Formed in the front A' is a vertical slot B', in which operates a threaded pin C', suitably secured to the slide E. Held on the pin C' are a washer D' and a jam-nut D<sup>2</sup>, by means of which the slide E is held in the desired position.

The body A is provided with an inclined or curved bottom H, which is suitably secured thereto. The front portion I of this inclined bottom H extends a suitable distance in front of the opening C. The sides of the inclined bottom H are cut away, as shown at *i*, so as not to interfere with the movement of the slide E. It will be understood from the drawings that by reason of the shape of the bottom H the oats falling thereonto will be distributed upon the extended portion I and the bottom of the feed-box.

I suitably pivot to the top of the hopper-shaped top B a suitable cover B<sup>2</sup>.

As will be seen from the drawings, I preferably construct my device rectangular in cross-section, as this form takes up little room in the feed-box.

It will of course be understood that my device rests in a vertical position and that the oats are fed therefrom by gravity.

Inclined bottom H by reason of its curvature offers no corners which would be impossible for the animal to reach. The momentum of the grain will tend to direct the same outward when engaged by inclined bottom H, which acts as a deflector.

Of course slight changes may be made in the construction of the device without departing from the spirit and scope of my invention.

What I claim as my invention is—

1. A device of the type set forth, comprising a body having the lower portion of its front wall formed with an opening, a cut-off for said opening, an inclined false bottom secured to the rear wall of the body and projecting be-



neath said opening of the front wall and outwardly therefrom, said projecting portion being in a substantial horizontal plane, said inclined portion of the false bottom acting as a  
5 deflector to direct the grain outwardly onto said projecting portion thereof and said projecting portion serving as a base to maintain the device in upright position, said cut-off when in its closed position seating on said false  
10 bottom.

2. In a device of the type set forth, the combination of a rectangular receptacle A having a hopper-shaped top B, the inclined portion of which projects solely toward the front of  
15 the receptacle, a swiveled cut-off D, a vertically-movable slide E having a bolt C' projecting through the slot B' in the front of the receptacle, a nut D<sup>2</sup> screwing on said bolt and

serving to maintain the slide in elevated position, the said receptacle having an opening C 20 at its lower end, which is closed by the slide when the latter is lowered, an inclined curved bottom H secured to the inner side of the back of the receptacle and having a front portion I projecting below the opening C and extending 25 in front of the receptacle and serving to bear on the bottom of a manger to prevent the receptacle from falling forward, substantially as described.

In testimony whereof I have signed my name 30 to this specification in the presence of two subscribing witnesses.

WILLIAM JOHN WASHBURN.

Witnesses:

D. M. HALLIDAY,

NELLIE M. PRENTICE.