

No. 635,125.

Patented Oct. 17, 1899.

A. CALHOUN.
FEED BOX.

(Application filed Jan. 18, 1899.)

(No Model.)

Fig: 1

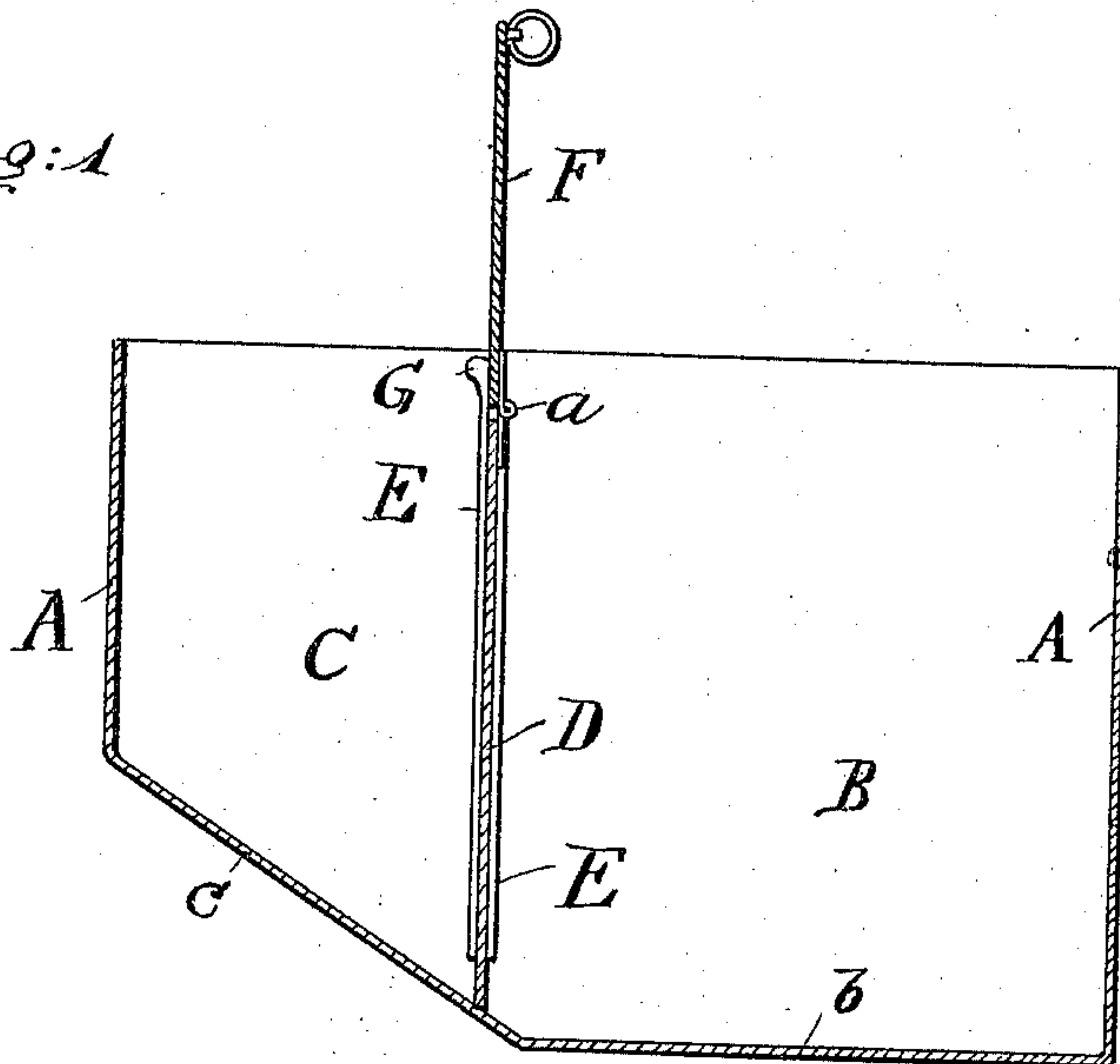


Fig: 2.

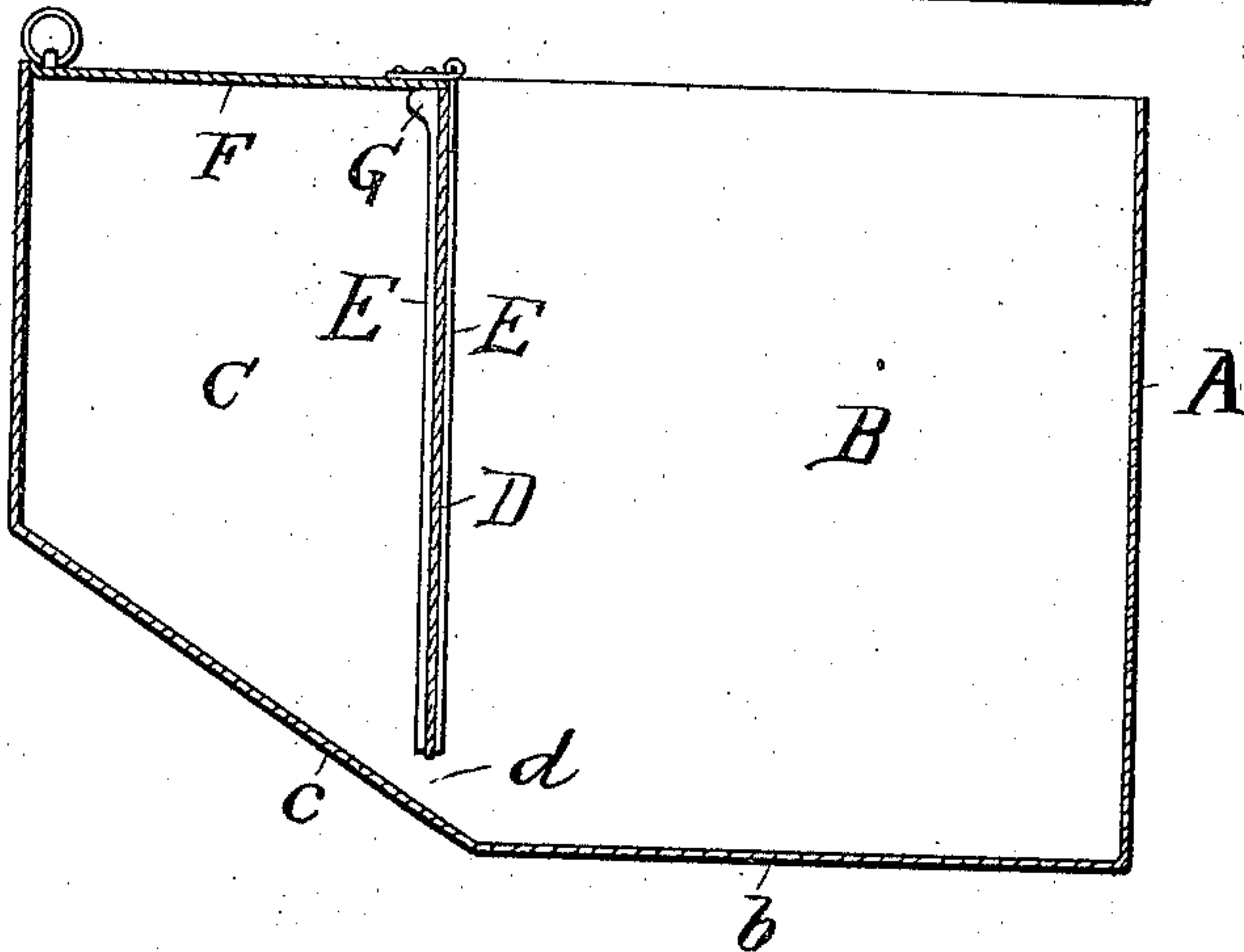
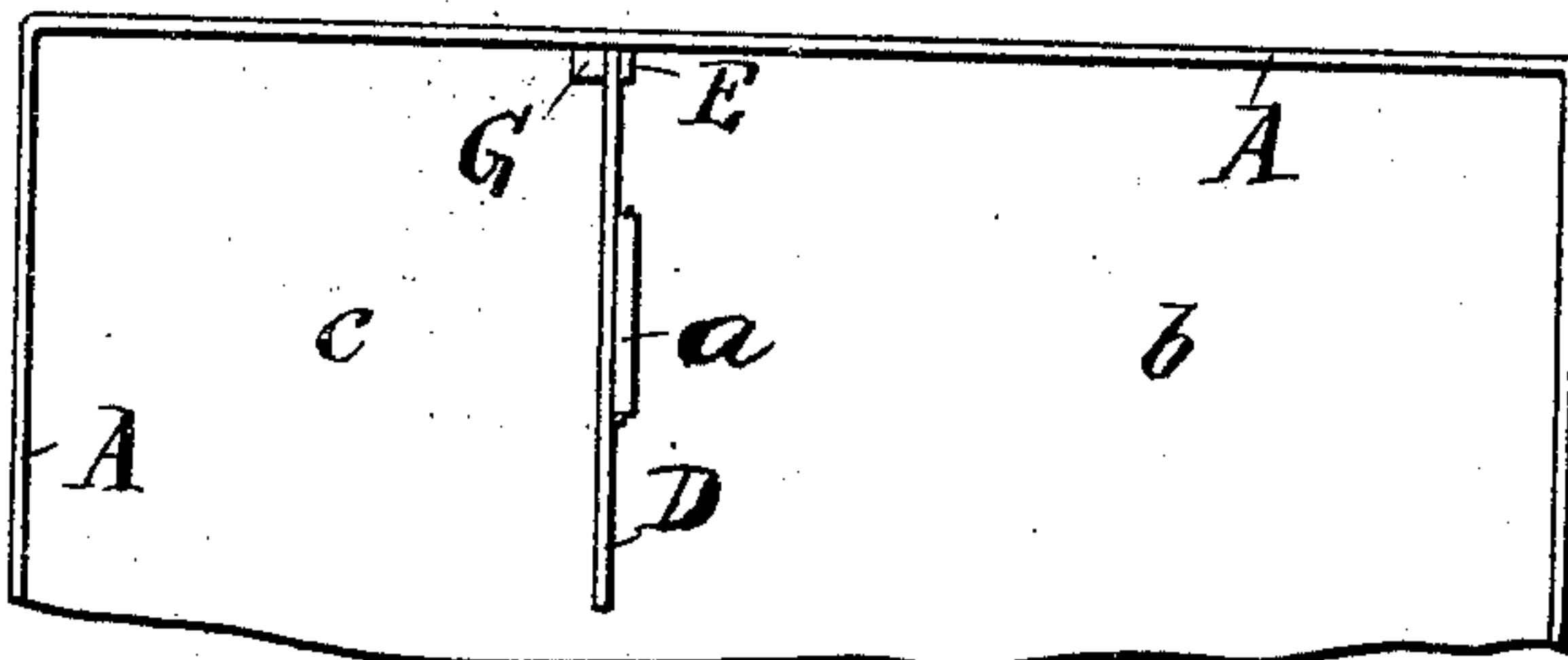


Fig: 3.



Witnesses
R. Albertine Jr.
L. J. Sullivan

Inventor
Allan Calhoun
By F. J. Baker
Att'y

UNITED STATES PATENT OFFICE.

ALLAN CALHOUN, OF MIDDLEBURY, VERMONT.

FEED-BOX.

SPECIFICATION forming part of Letters Patent No. 635,125, dated October 17, 1899.

Application filed January 18, 1899. Serial No. 702,492. (No model.)

To all whom it may concern:

Be it known that I, ALLAN CALHOUN, a citizen of the United States, residing at Middlebury, in the county of Addison and State of Vermont, have invented new and useful Improvements in Feed-Boxes, of which the following is a specification.

This invention relates to feed-boxes for use in animal-stalls; and its object is to provide means in such devices for regulating the supply of feed so that the animal cannot take too large a quantity into its mouth at a time, the device comprising a box having two compartments, one of said compartments serving as a receptacle for the feed and also serving as a measure and a place where the feed may be mixed, and I provide means whereby the act of closing the lid of said receptacle causes the raising of the divisional wall between the two compartments, thereby leaving a space at the lower end for the flow or supply of feed from the receiving-compartment into the feeding-compartment.

In order that my invention may be fully understood and explained in detail, I have annexed hereto a sheet of drawings, in which—

Figure 1 is a cross-sectional view of my improved feed apparatus, the lid of the feed-receptacle being open and the divisional wall or slide closed. Fig. 2 is a similar view, but showing the lid of the feed-receptacle closed and the divisional wall or slide partly raised. Fig. 3 is a plan view.

In said figures, A indicates the wall of the device, the same inclosing, as seen, the feed-compartment B and feed-receptacle C.

D indicates a divisional wall between the compartments B and C, the said wall being arranged to slide vertically within slideways E E. Hinged to the wall D by hinges *a a* is a lid or cover F, which is adapted to close the receptacle C. At the upper ends of slideways E E are provided stops or shoulders G G, the same being arranged adjacent to the wall D within receptacle C, and the stops or shoulders G G being on a line a little above the line of the hinges *a a* when the wall or slide D is set against the bottom of the box.

The bottom or base *b* of compartment B is on a level plane, as seen; but the base *c* of compartment C is arranged at a forward incline, its highest point being at the rear and

its lowest point being at its junction with the base *b*. The compartment C may, if desired, be extended above compartment B. The purpose of this incline is to enable the feed in receptacle C to flow by gravitation through opening *d* below the sliding wall D (when said wall is raised) onto the base *b* of compartment B.

As will readily be understood, when the sliding wall D is set upon its base, thereby closing the opening between the two compartments, and the lid F being consequently open, the receptacle C may be supplied with feed, whereupon the lid F may be closed, said lid in the act of closing bearing against the stops or shoulders G G and using the latter as a fulcrum upon which to raise by leverage the sliding wall D until it is in the position shown in Fig. 2, and the opening *d* between the two compartments is provided.

The opening *d* should be of such extent as to enable only a sufficient quantity of feed to fall therethrough at a time to enable the horse or other animal to eat in comfort and without taking a surplusage of feed at the time.

The advantages provided by the separate receptacle C and the ability to shut off the supply of feed temporarily from receptacle B are as follows: In the first place the receptacle C may be of a certain size to contain the given measure of feed, or it may have graduating-marks therein for the same purpose; secondly, two or more different kinds of feed may be put into said receptacle and thoroughly mixed therein before being supplied to the animal; thirdly, the feed consisting of grain may be inclosed within receptacle C, while hay or other similar feed may be placed directly in receptacle B, the latter to be eaten first, and after the hay or the like has been eaten the slide D may be opened and the grain fed to the animal. Various other advantages accrue from the use of this sliding divisional wall, which will be readily appreciated by those accustomed to the handling of horses and other animals.

If desired, the base *c* may be perforated or made sieve-like, so as to screen the feed free it from dust, &c., before it passes into the feed-receptacle B.

For making meshes the wall D may be removed entirely, as is obvious.

The divisional wall D may, if desired, be made stationary instead of removable.

Having now described my invention, I declare that what I claim is—

- 5 1. A feed-box comprising a feeding-trough and a feed-receptacle, the latter having a forwardly-inclined base together with a vertically-movable wall supported in slideways between said compartments and a lid hinged
10 to said movable wall together with means for raising said wall to a given height to provide a passage for feed from the feed-receptacle to the feeding-trough, by the act of closing the lid.
- 15 2. A feed-box having two compartments and a divisional wall between them, said wall being arranged to slide vertically and having a lid hinged to its upper end, together with stops or shoulders arranged within one of the
20 compartments at a point above the point where said wall and lid are hinged, when the lid is in a vertical position, or open, said

stops or shoulders serving as a fulcrum to raise the sliding wall when the lid is in the act of being closed.

- 25 3. A feed-box having two compartments and a divisional wall between them, said wall being arranged to slide vertically to disconnect or connect said two compartments, a lid hinged to said divisional wall, and means
30 whereby when the lid is in a vertical position, the divisional wall is consequently seated at the base of said feed-box; and whereby the act of closing said lid causes the divisional wall to be raised.

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

ALLAN CALHOUN.

Witnesses:

RUFUS WAINWRIGHT,
S. F. BARNES,
JOHN H. STEWART.