

(No Model.)

S. F. AUSTIN.  
POWDER BOX AND MEASURING ATTACHMENT.

No. 540,345.

Patented June 4, 1895.

Fig. 1.

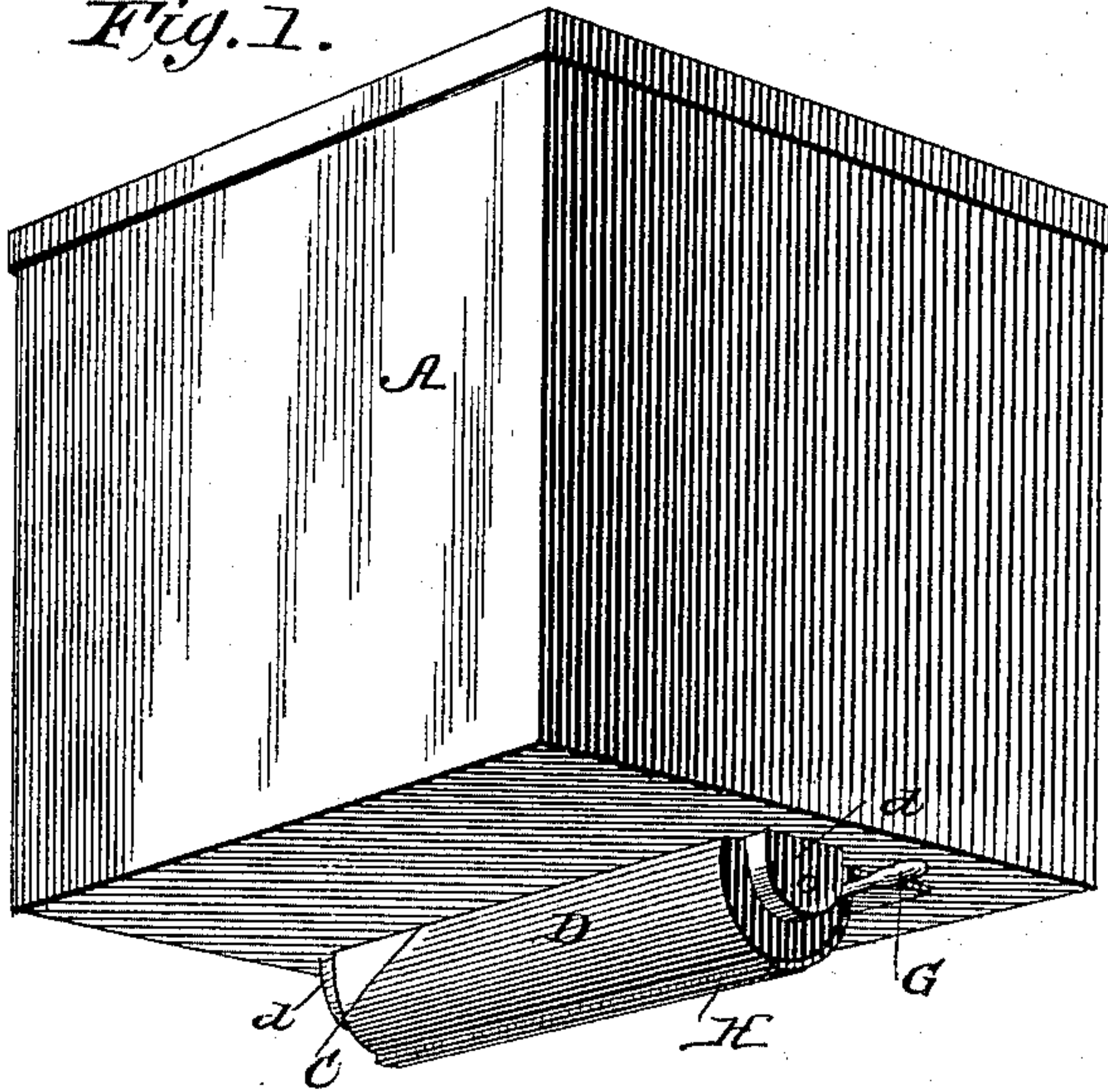


Fig. 3.

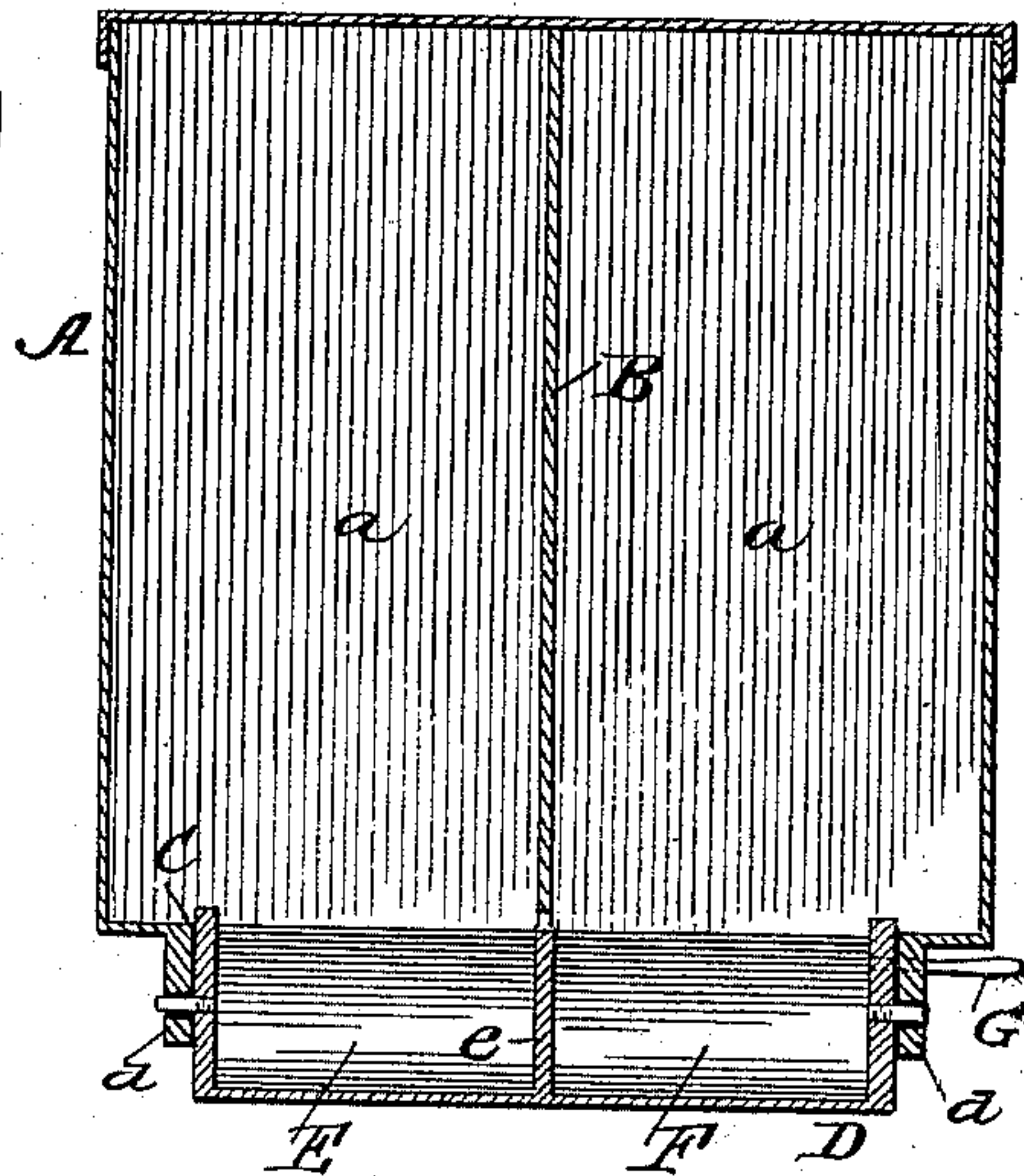


Fig. 2.

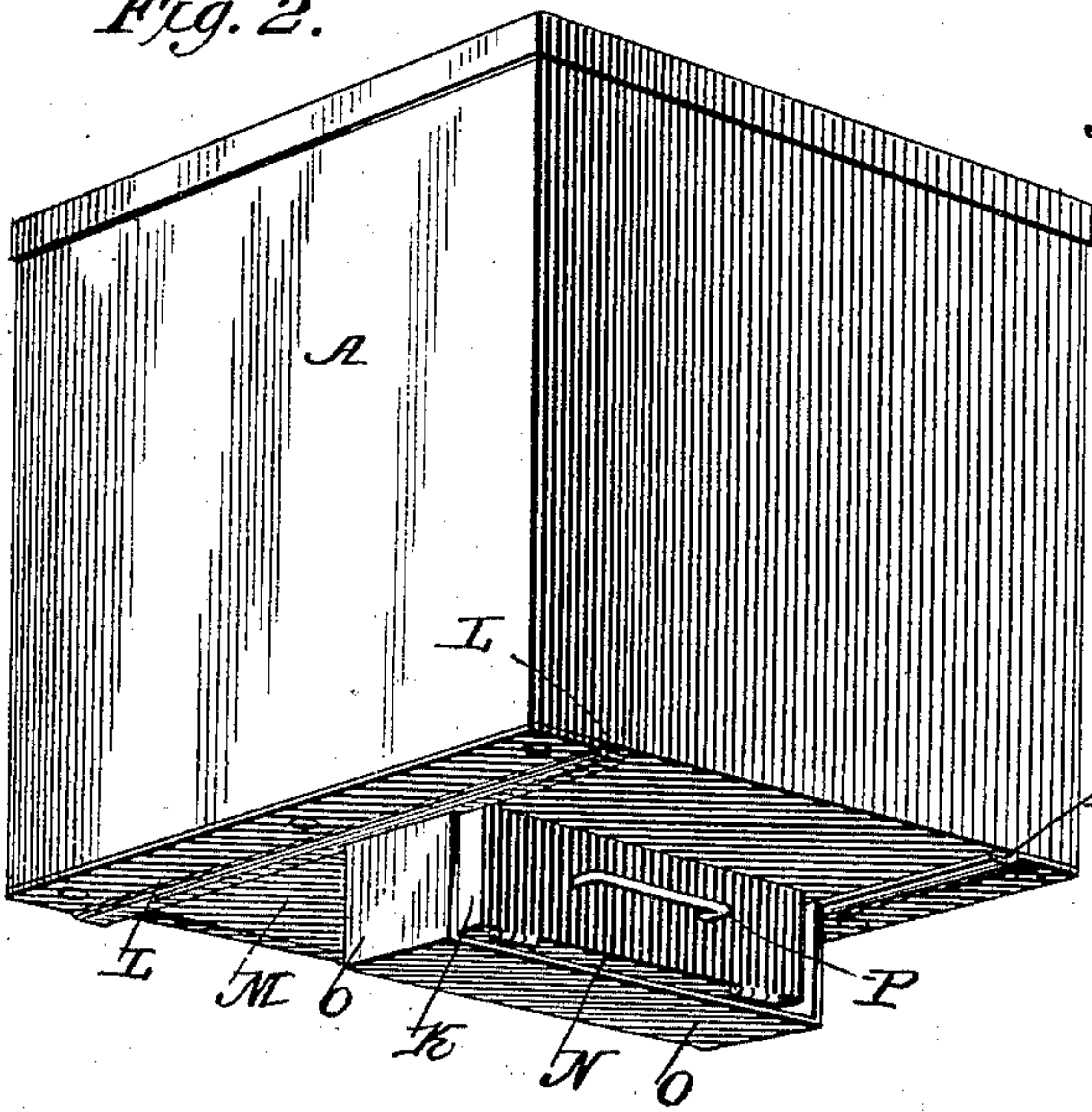


Fig. 4.

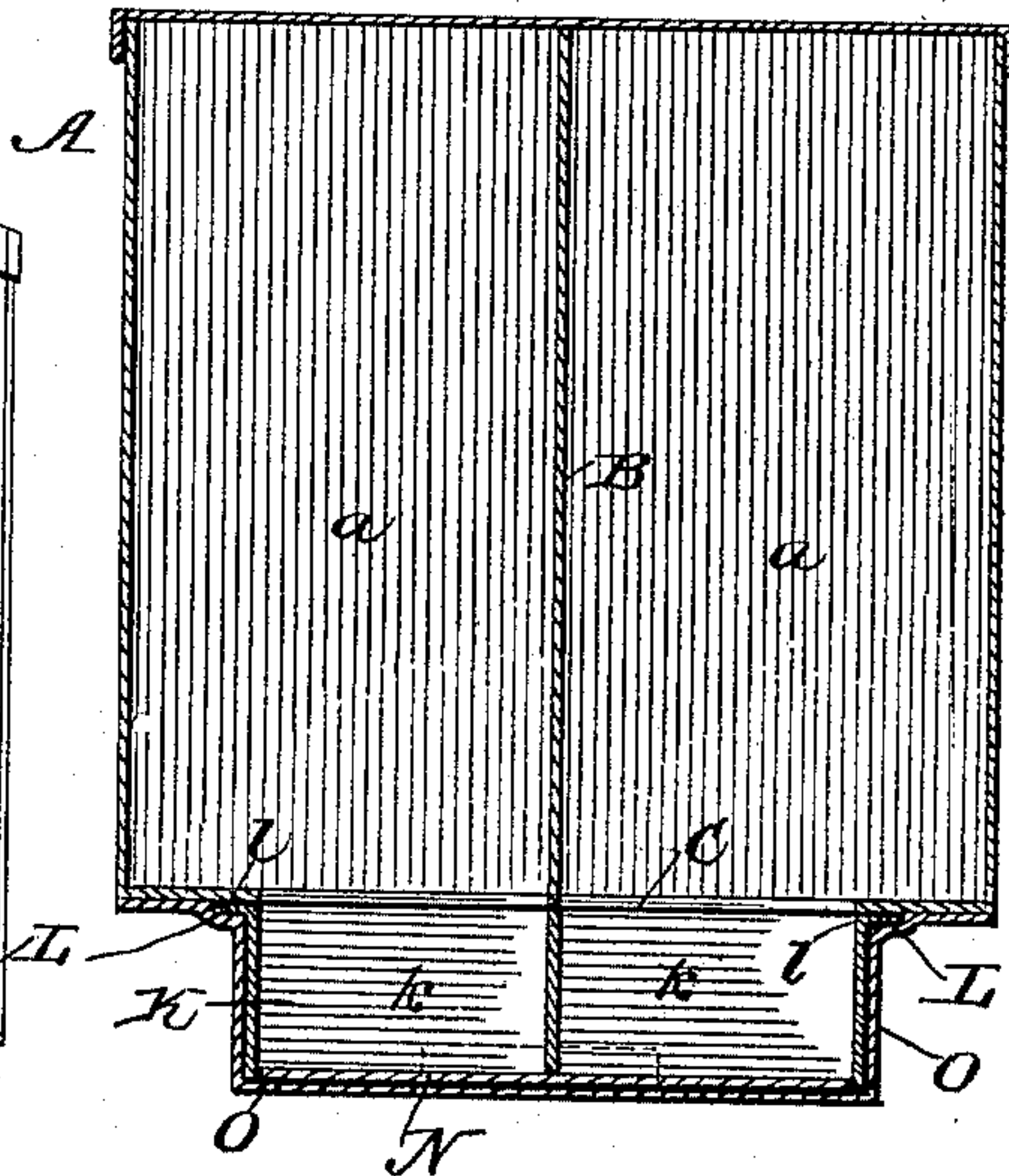
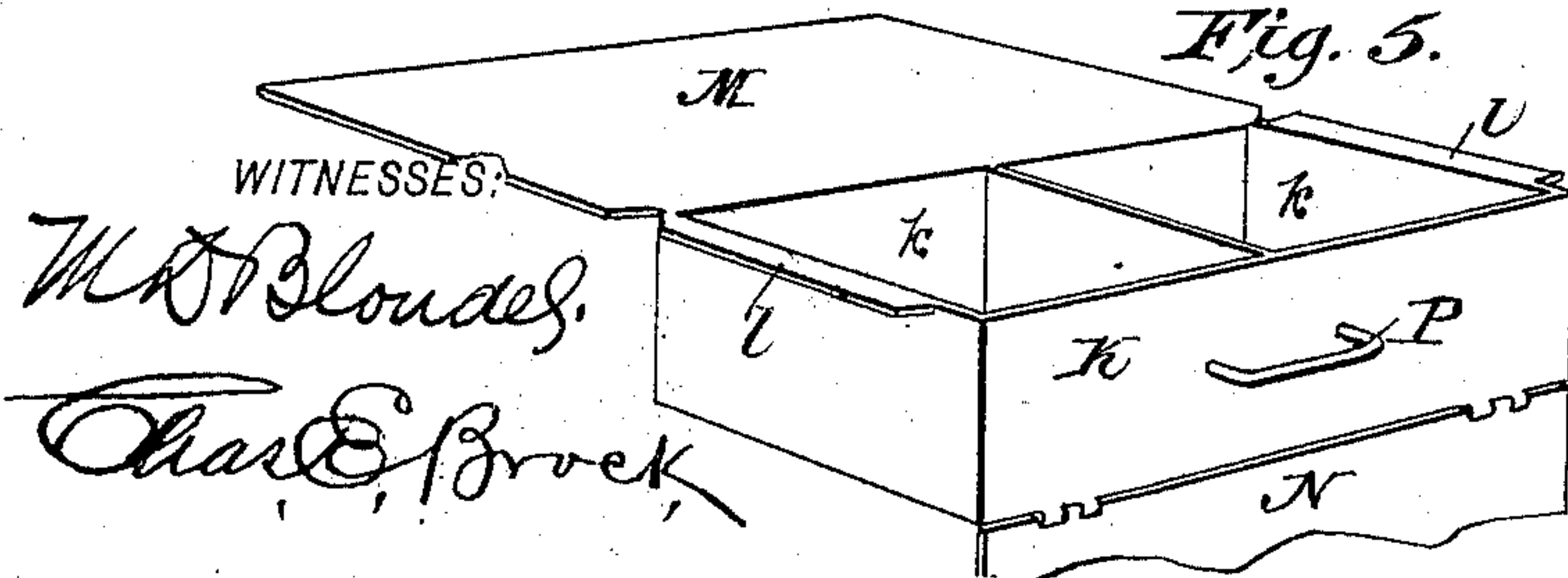


Fig. 5.



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# UNITED STATES PATENT OFFICE.

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## POWDER-BOX AND MEASURING ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 540,345, dated June 4, 1895.

Application filed December 29, 1894. Serial No. 533,291. (No model.)

*To all whom it may concern:*

Be it known that I, SIDNEY F. AUSTIN, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Powder-Boxes and Measuring Attachments Therefor; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates generally to boxes for holding baking powders, and particularly to an improved measuring attachment, whereby a definite quantity of the powder contained within the box, can be withdrawn from the box, and deposited in the flour, &c., without any waste whatever.

Baking powders as sometimes compounded contain ingredients which cannot be kept in contact with each other for any length of time without losing their strength, and one of the objects of my invention is to provide a box which will keep several ingredients separated, and a further object is to provide a measuring attachment for said box which will measure the exact quantity of each ingredient, and discharge the same from the box.

With these objects in view, my invention consists in the employment of a compartment box for holding the different ingredients, and a compartment measure, adapted to receive the ingredients in an unmixed condition, and convey them from the box.

My invention consists also in certain details of construction, and combination of parts, all of which will be fully described and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a perspective view of my improved box and measuring attachment. Fig. 2 is a similar view of a slightly-modified form. Fig. 3 is a vertical sectional view of the form shown in Fig. 1. Fig. 4 is a similar view of the form shown in Fig. 2, and Fig. 5 is a detail view of the sliding measure.

In the practical embodiment of my invention, I employ a box A, which is preferably constructed of tin, but may be constructed of any suitable material and may be made round or square. This box is divided vertically into two compartments *a, a*, by means of a parti-

tion B, said partition extending from the top to the bottom of the box, and in the bottom is made an opening C, for the escape of the powder, and the partition also divides this opening so that the ingredients are kept separated in their discharge.

I have shown the box divided into only two compartments, but it is clear that it can be divided into any number desired, and still be within the scope of my invention.

A measuring attachment D, is arranged upon the bottom of the box measuring a definite quantity of each ingredient and conveying it from the box.

In Fig. 1, I have shown a rotary measure, and in Fig. 2 one of sliding form, but in both measures I divide the same into as many compartments as the box is divided so that the ingredients are kept separated while being measured, and discharged.

Referring now to Fig. 1, it will be noticed that the measure D, is journaled between two lugs *d*, and is made with two compartments E and F separated by means of a partition *e*, and the compartments can be made any size so as to measure any quantity desired of each ingredient. The measure being cylindrical in form, and having an opening in one side, acts as a cut off when the measure is revolved to discharge the powder, and in order to revolve said measure, I provide a small crank handle G. A curved guard plate H, is attached to the bottom of the box, and extends about half way around the rotary measure so that no powder will be wasted.

Referring now to the sliding measure, it will be seen that the attachment consists of a sliding measure K, divided into compartments *k*, said measure sliding in ways L, attached to the bottom of the box, said slide being formed with ears *l*, which slide in the ways as clearly shown. The slide measure is also provided with a cut off plate M, and it will be noticed that the sides, ends and partition of the measure, the ears and cut off slide, are all formed of a single piece of sheet metal. The measure is provided with a loosely hinged bottom N, and the entire attachment slides within a broad metallic guard O, which is essentially rectangular in shape and is connected to the bottom of the box, said box being constructed exactly the same as the box in Fig. 1. Now



when the measure is at rest beneath the opening in the box, the guard O, keeps the bottom of the measure closed, and when the measure is drawn out by its handle P, the bottom drops and discharges its measure, but at the same time, the cut off plate M, slides beneath the opening in the box, and cuts off the escape of the ingredients.

It will thus be seen that I provide a box for keeping the powdered ingredients separate, and also provide a measuring attachment which also keeps said ingredients separated. It will also be noticed that the measuring device is exceedingly cheap and simple and easily attached and quickly operated.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is--

1. The combination with a compartment box, of a compartment measuring device adapted to convey a definite amount of different in-

gredients from said box, substantially as shown and described.

2. The combination with a box divided into a series of compartments, and having an opening in the bottom which is also divided, of a measuring attachment arranged beneath said opening, and also divided into a series of compartments to correspond with the compartments of the box, substantially as shown and described.

3. The combination with a compartment box having an opening in its bottom, of a rotary measuring device arranged below said opening, and divided also into a series of compartments, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

SIDNEY F. AUSTIN.

Witnesses:

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THOS. M. DOBBIN.