

(No Model.)

D. LLOYD.

BIN AND SHOW CASE FOR SEEDS, VEGETABLES, &c.

No. 599,105.

Patented Feb. 15, 1898.

FIG 1

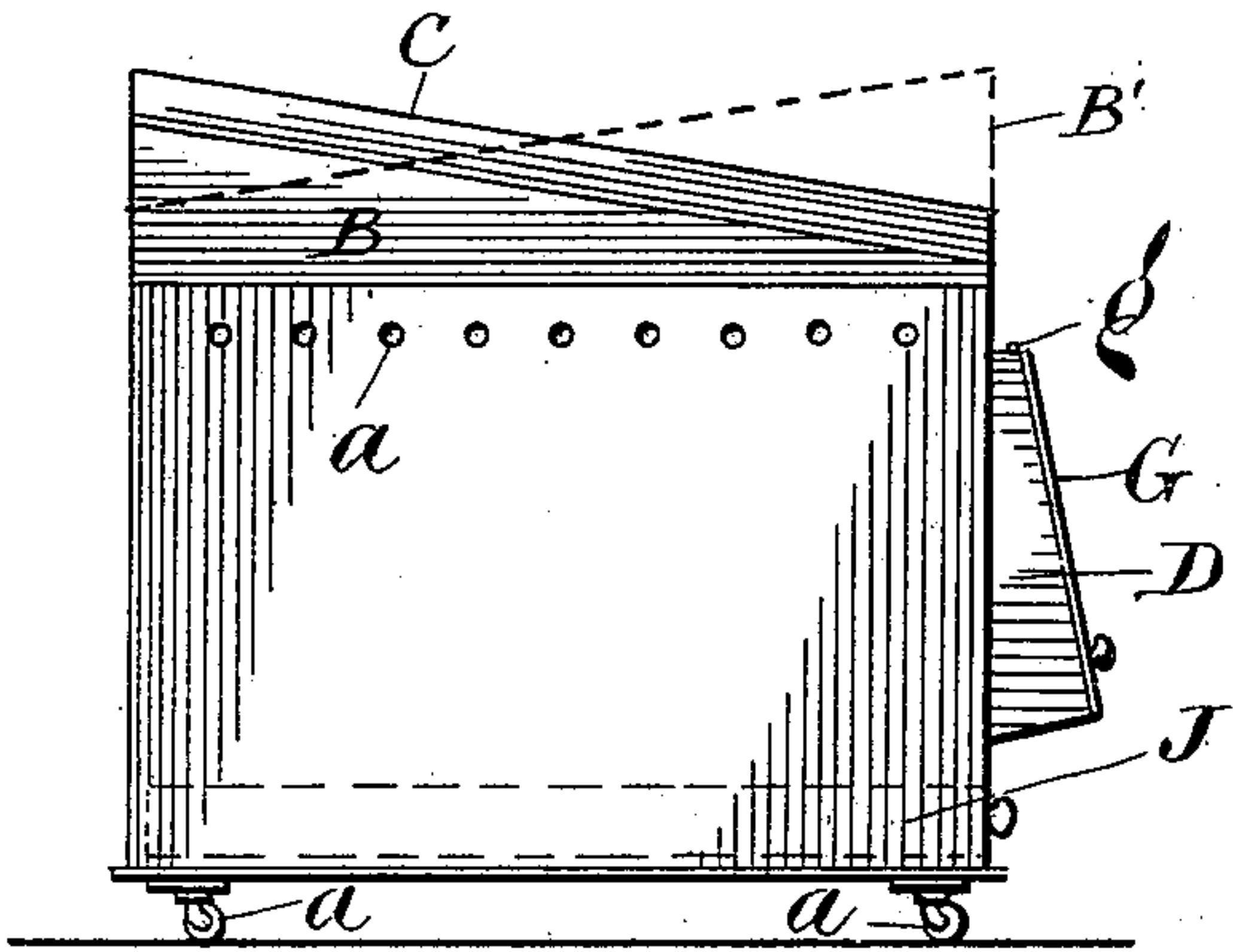


FIG 2

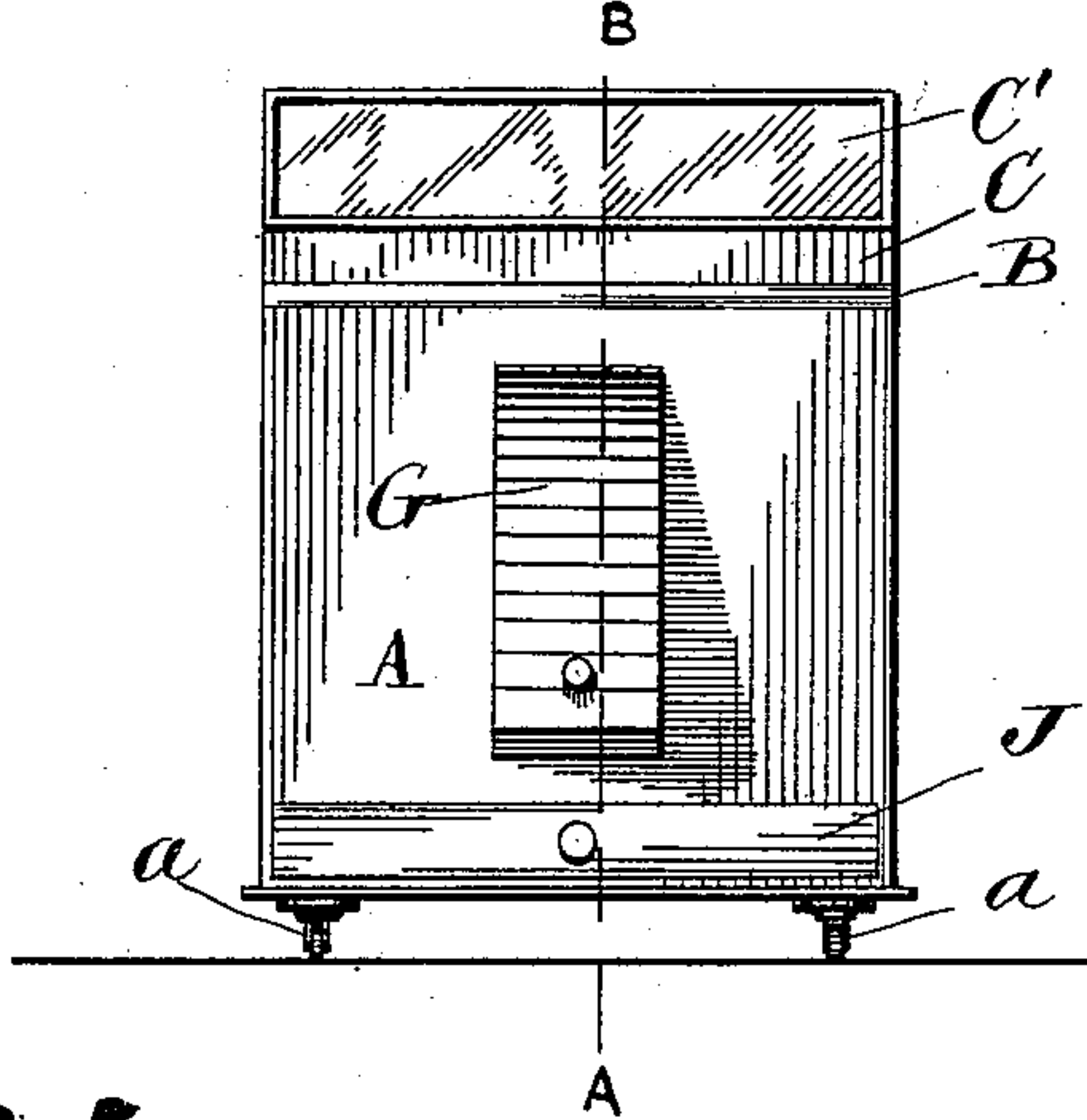


FIG 5

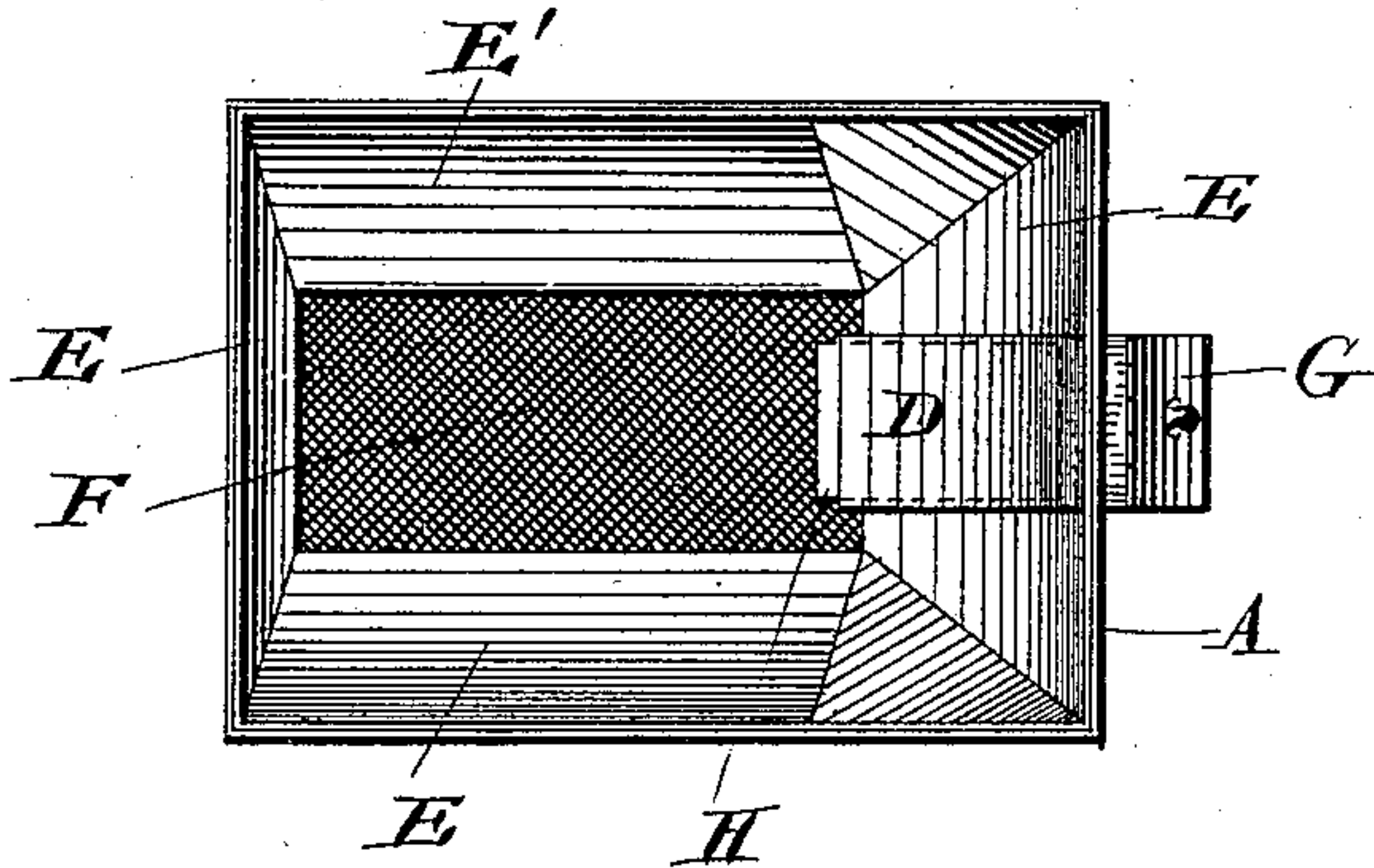


FIG 3

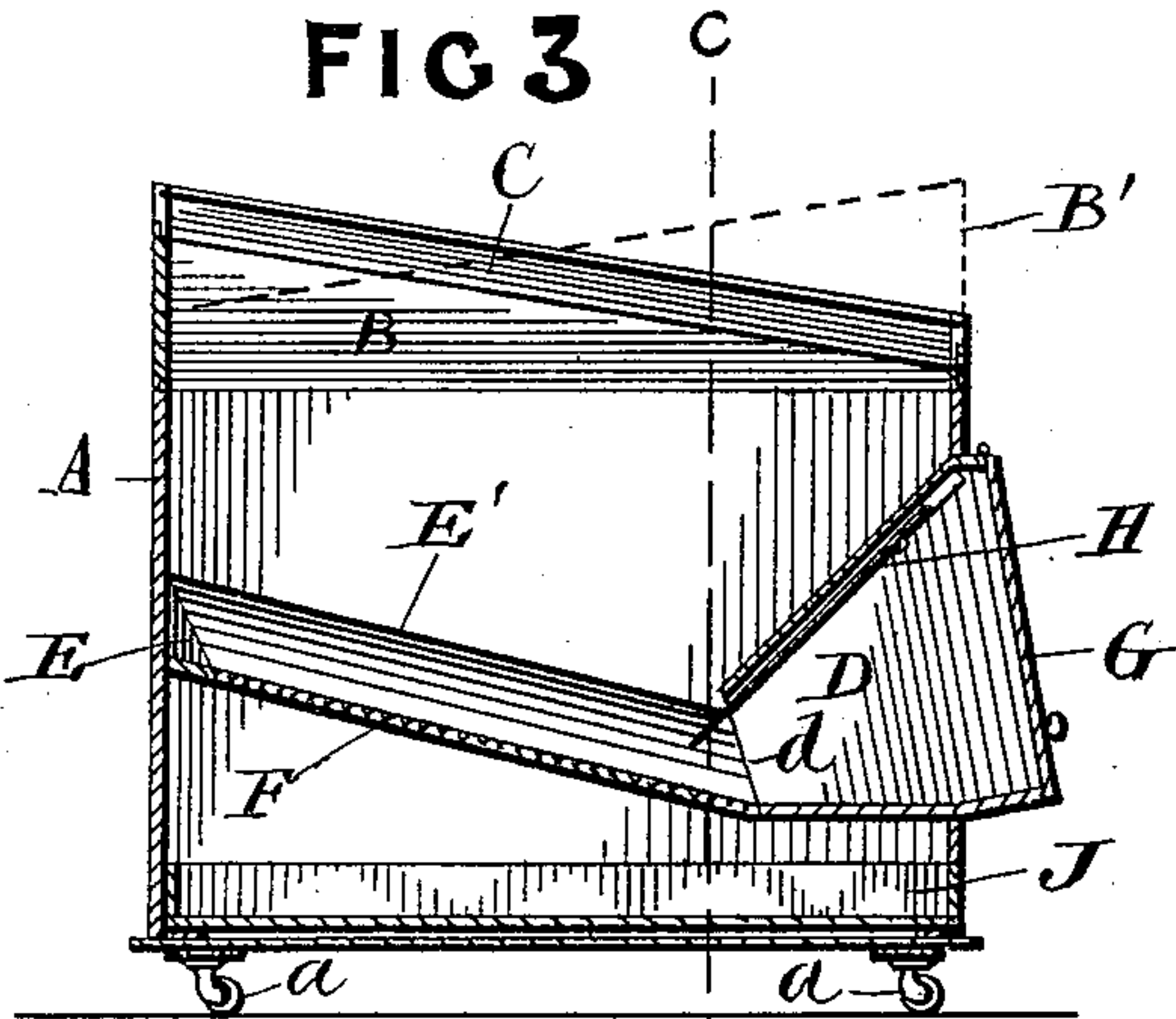
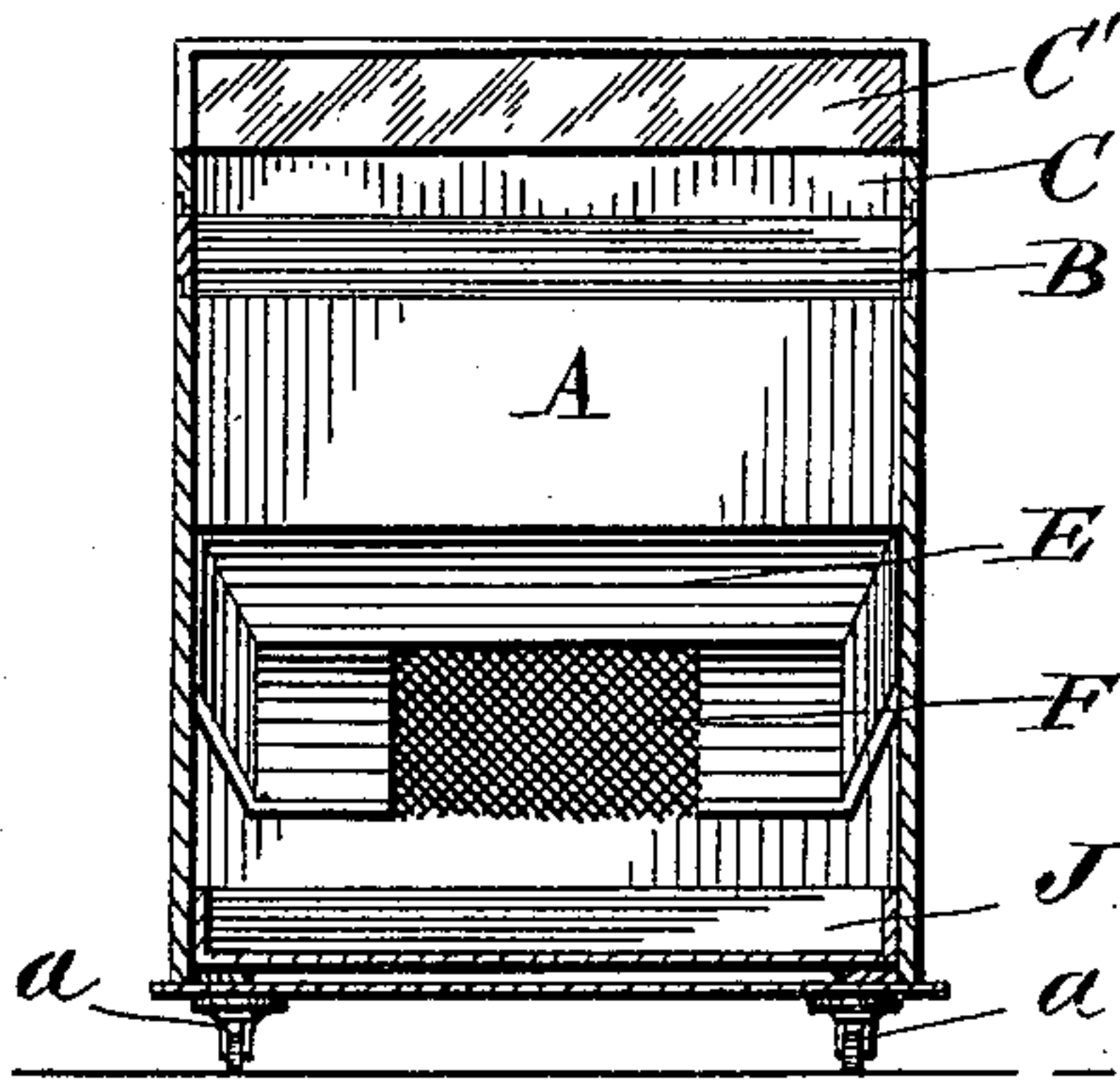


FIG 4



Witnesses:

E. B. Rotton  
O. H. Munk

Inventor:  
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By

Heenan & Co.

his Attorneys.



# UNITED STATES PATENT OFFICE.

DAVID LLOYD, OF RHONDDA, ENGLAND.

## BIN AND SHOW-CASE FOR SEEDS, VEGETABLES, &c.

SPECIFICATION forming part of Letters Patent No. 599,105, dated February 15, 1898.

Application filed June 18, 1897. Serial No. 641,395. (No model.) Patented in England May 4, 1897, No. 16,809.

*To all whom it may concern:*

Be it known that I, DAVID LLOYD, a subject of Her Majesty the Queen of Great Britain, residing at 47 William street, Ystrad Rhondda, in the county of Glamorgan, England, have invented certain new and useful Improvements in Bins and Show-Cases for Seeds, Vegetables, and the Like, (for which I have obtained Letters Patent in Great Britain, No. 16,809, dated May 4, 1897,) of which the following is a specification.

My invention relates to an improved bin or store-case adapted for holding in bulk and serving or otherwise removing therefrom in small quantities such goods as potatoes, onions, apples, nuts, corn, seeds, rice, and all other articles of such formation as to be capable of being automatically led by gravity alone to any given part or position.

My invention has for its objects to construct a bin or container adapted to exhibit a sample (and, if desired, the price) of the goods therein contained and to automatically screen or clear from dust the goods as served.

For the purpose of facilitating a clear understanding of my invention I have hereunto appended a sheet of drawings, in which—

Figure 1 is a side elevation of my improved bin, showing in dotted outline how the position of the top portion may be reversed. Fig. 2 is a front or back elevation of Fig. 1, according to which position the top portion of the case may be placed in. Fig. 3 is a sectional elevation of Fig. 2, taken upon the line A B, while Fig. 4 is a like section taken upon the line C D of Fig. 3. Fig. 5 is a plan of the bin with the show-case or cover removed.

My invention consists of a rectangular or other-shaped case or container constructed of wood, metal, or any other suitable material and preferably composed of three portions—such as A, B, and C—the two top portions of which are easily and quickly detachable from the bottom one A and from each other. The bottom portion A forms the bin proper for holding the goods in bulk, and upon and within the said portion A rests (with or without the aid of any suitable fastenings) the second portion B, which consists of a framework preferably inclined upon its upper surface for the purpose of giving a tilt or slope to the top portion C, which is a complete case in itself

and is provided with a glass top C' and forms a receptacle for exhibiting a sample of the contents of A, the said portion B, with the show-case C, being easily reversible at will, as shown by dotted outline B' in Figs. 1 and 3.

The bin or store-case A is provided with a false bottom, the sides and ends of which, E and E', respectively, are so formed as to slope downwardly and inwardly and converge toward and are fixed by any suitable means to a perforated surface or sieve of any desired formation, such as F, which slopes toward and leads to the mouth or opening *d* of a chamber D, fixed inside A and opening into the end of same, whereat the said chamber is provided with a door or lid, such as G, hinged at *g*, for closing the same when not in use. The roof of the chamber D slopes downwardly for the same purpose as that of the converging sides and ends E and E' of the false bottom—namely, for conveying by gravity the contents of A onto the screen F—the said roof having upon its under surface a slide or shutter H, running in suitable guides for the purpose of regulating the feed of the goods in A into the chamber D, as shown in Figs. 3 and 5. Between the said false bottom and the floor of A is provided a tray or drawer, such as J, for the purpose of catching and retaining therein the dust and dirt that would be sifted from the said goods through the screen F, from which the same may be easily and quickly removed at will.

The said bin or case A may have suitable wheels, casters, or the like, such as *a*, to facilitate its easy removal from place to place, which may be dispensed with when the said bin is to be securely screwed, clamped, or otherwise fixed in one position. It may also for the purposes of ventilation have holes *a'* drilled in one or all of its sides, or these may be formed more advantageously in the portion B, as will be found in practice most convenient.

The object and purpose of the reversible top B is in order that the slope of this and the sample-case C may always be toward the customer or customers—that is to say, if the bin be of such small dimensions as to stand upon a counter the serving-aperture covered by the door or lid G would be in a position to be within the reach of those behind the counter;



but if the bin be of such dimensions as to be too large to stand upon a counter, but upon the ground, the lid G would be toward the customer, in which case the position of B and C would be reversed.

In the case of large stores and warehouses it may be found more convenient to dispense with the show-case C and reversible portion B and to extend the case A to another story for the purpose of recharging the same, and so obviate the disadvantages that would accrue from the necessity of refilling them in the serving-compartments.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. In combination in a combined bin and show-case, the bin having a discharge-opening at one end, and a show-case comprising a

frame B above the bin having an inclined upper edge and adapted to be reversed so that said incline will slope downwardly toward the said discharge-opening or away therefrom, said show-case having a glass top, substantially as described.

2. In an improved combined bin and show-case, the combination of a case or bin A, with removable and reversible top portion B, carrying a show-case C, internal screening-surface F supported upon a sloping false bottom E and E' with collecting-chamber D provided with a door or lid G and slide H substantially as herein described and shown.

In witness whereof I have hereunto set my hand.

DAVID LLOYD.

Witnesses:

ALBERT GEORGE BARNES,  
HENRY CONRAD HEIDL.