

No. 630,322.

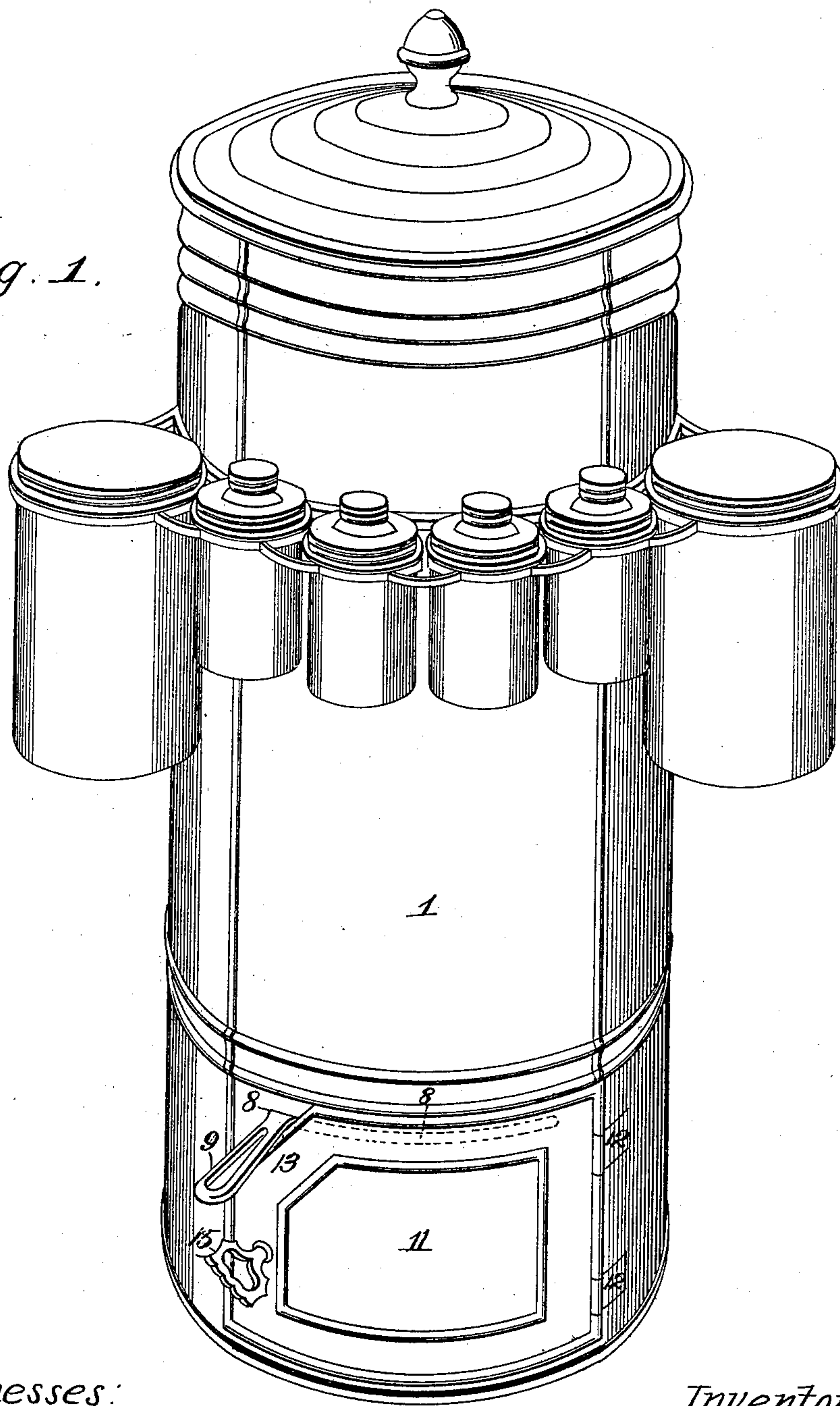
Patented Aug. 8, 1899.

M. F. BROWN.
FLOUR CHEST OR BIN.
(Application filed June 10, 1898.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.



Witnesses:

M. R. Remley.
J. S. Thrasher

Inventor

Millard F. Brown

By Higdon, Fisher & Phelps
Attys.

No. 630,322.

Patented Aug. 8, 1899.

M. F. BROWN.
FLOUR CHEST OR BIN.
(Application filed June 10, 1898.)

(No Model.)

2 Sheets—Sheet 2.

Fig. 2.

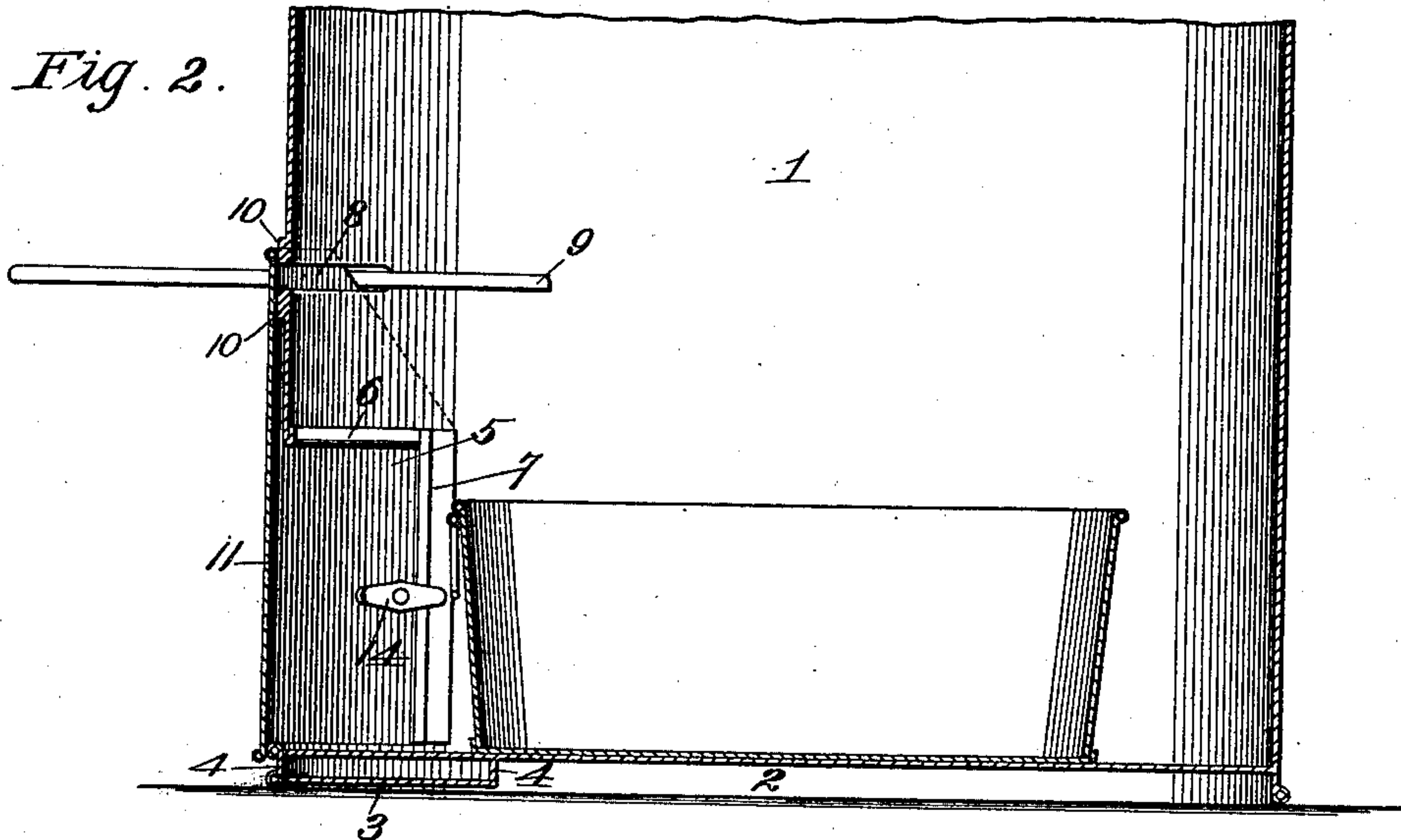


Fig. 3.

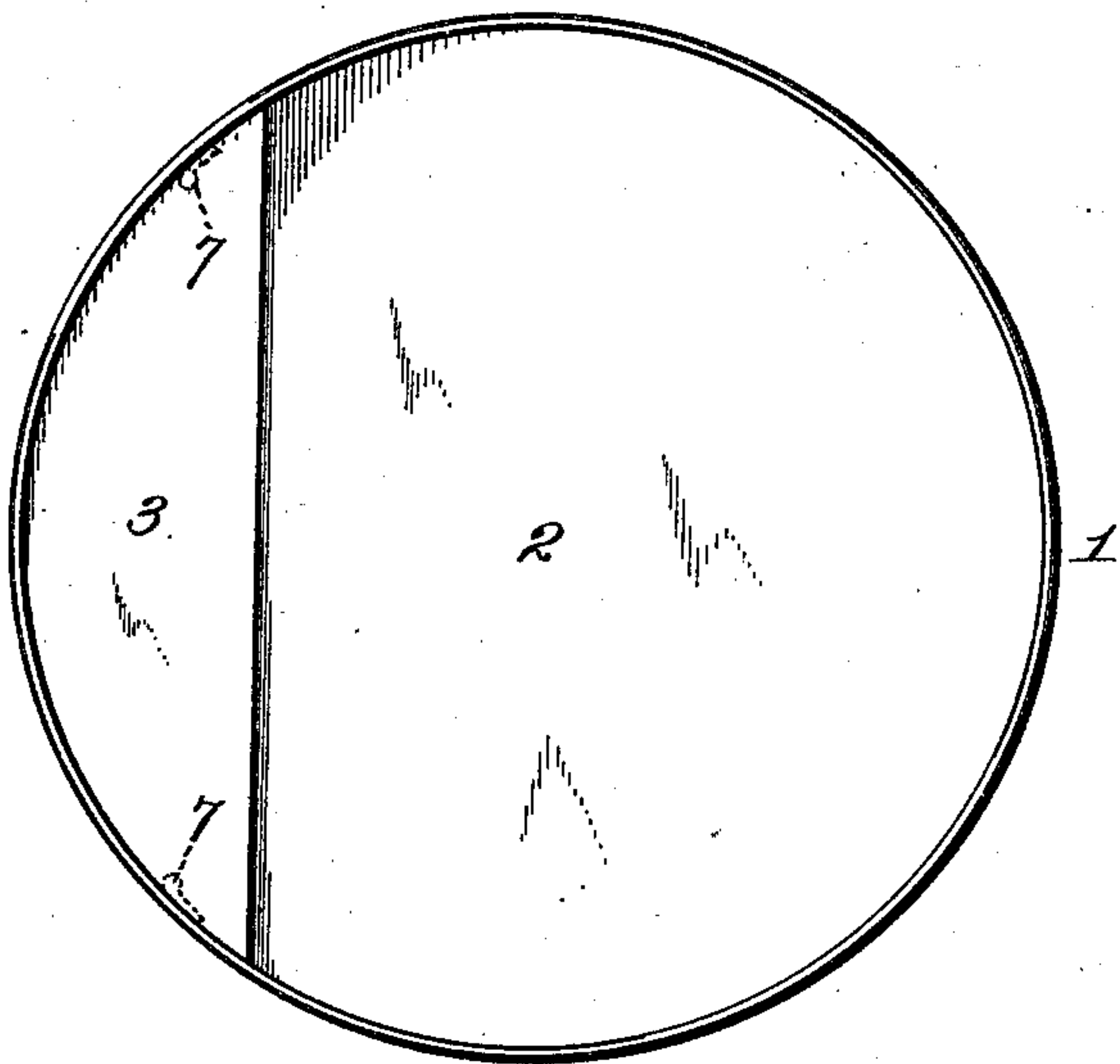
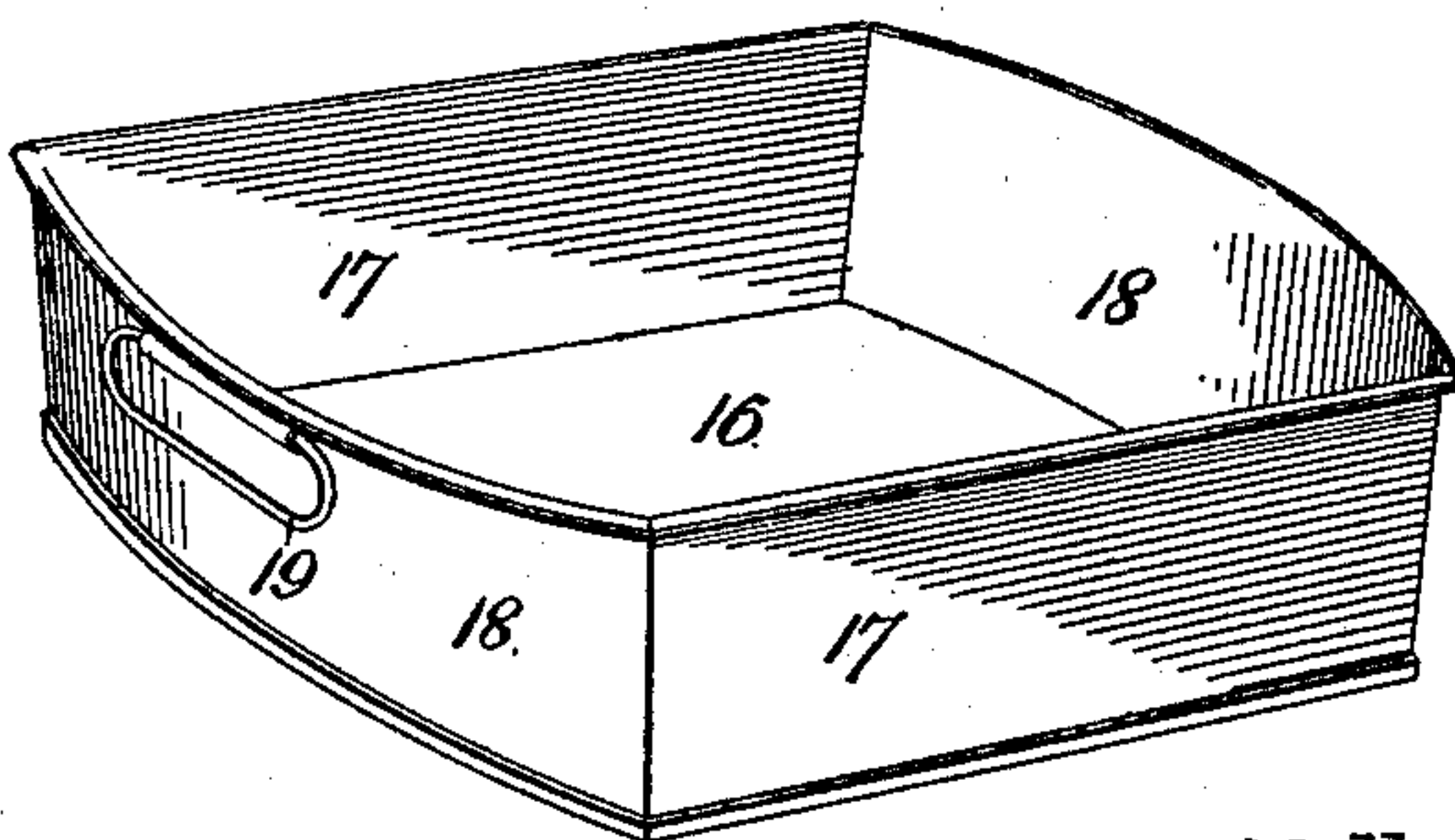


Fig. 4.



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UNITED STATES PATENT OFFICE.

MILLARD F. BROWN, OF KANSAS CITY, MISSOURI.

FLOUR CHEST OR BIN.

SPECIFICATION forming part of Letters Patent No. 630,322, dated August 8, 1899.

Application filed June 10, 1898. Serial No. 683,077, (No model.)

To all whom it may concern:

Be it known that I, MILLARD F. BROWN, of Kansas City, Jackson county, Missouri, have invented certain new and useful Improvements in Flour Chests or Bins, of which the following is a specification.

My invention relates to flour and spice chests or bins, and more especially to improvements in the flour-bin and spice-receptacle patented by me on October 5, 1897, and numbered 591,124; and the invention consists in certain novel and peculiar features of construction and combinations of parts, as will be hereinafter described and claimed.

The object of the invention is to produce a chest or bin of great strength and durability without materially increasing the cost and also to produce a chest or bin having a door which at the same time locks the sifter from accidental movement and prevents the entrance of dust or insects into the chest or bin by covering the slot in which the handle of the bin operates.

In order that the invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure 1 represents a perspective view of a chest or bin embodying my invention. Fig. 2 represents a vertical section of the same. Fig. 3 is an inverted plan view of the same. Fig. 4 is a perspective view of the removable flour pan or receptacle.

In the said drawings, 1 designates the chest or bin, preferably of circular form and constructed of sheet metal, such as tin. Its bottom 2 is raised somewhat above its lower margin and at its front side is reinforced and strengthened by means of the plate 3, provided with the upturned flanges or ribs 4, adapted, therefore, to strengthen the chest or bin at the point where it is weakest, owing to the fact that at this point it is provided in the front side with a substantially rectangular opening 5, reinforced at its upper and side edges by bending the metal back upon itself, as shown at 6 and 7, respectively.

At a suitable distance above the door-opening the chest is provided with a horizontal slot 8, through which projects the handle 9 of the stirrer or sifter. (Not shown because

its detail construction is immaterial.) The chest is preferably strengthened by thickening or reinforcing the margins of said slots, as shown at 10.

11 designates the door of the chest, and said door is preferably hinged, as shown at 12, and is of sufficient height to cover the slot 8 for nearly its entire length, as shown clearly in Figs. 2 and 3. It fails to cover one end of the slot, as also shown clearly in said figures, because the door is beveled or cut away obliquely at its upper right-hand corner, as at 13, this uncovered portion of the slot being of sufficient length to receive the handle 9 of the stirrer or sifter, as shown most clearly in Fig. 1. The door is provided with the customary turn-button 14 at its inner side, which is adapted to engage the corresponding reinforced side margins 7, said button being manipulated by means of a handle 15 at the outer side of the door. When the handle occupies the position shown in Fig. 1, the door may be opened and closed freely, and it is obviously impossible to open or close the door at any other time. When closed, as explained, with the handle occupying the uncovered portion of the slot, it is obvious that neither dust nor insects can enter the chest and that it is impossible for the stirrer or sifter to be accidentally operated. When the door is opened, the flour pan or receptacle 16 may be placed in or removed from the chest easily and quickly, and even when heavily loaded will not unduly strain the chest, owing to the fact that it is reinforced at the weakest point upon which said receptacle can rest. Said receptacle in order to increase its capacity and at the same time to facilitate its insertion or removal from the chest is provided with flattened sides 17 and rounded ends 18, the latter being provided with handles 19 of common construction.

From the above description it will be apparent that I have produced a flour chest or bin which embodies the features of advantage enumerated as desirable in the statement of invention, and it is to be understood that changes in the form, proportion, or detail construction may be resorted to without departing from the spirit and scope or sacrificing any of the advantages of the invention.

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

5 A flour chest or bin, provided with a door-opening and a slot 8 above the same, a door 11 hinged to the chest or bin at one side of said door-opening and adapted to swing in a horizontal plane to cover or uncover said openings, said door being cut away at an angle at its upper free-end corner, as at 13, so as to fail to cover one end of said slot 8, a stirrer or sifter handle adapted to work in said slot and occupying that end of the slot

uncovered by the door when the latter is closed, and means to secure the door in its closed position and thereby prevent any chance of accidental movement on the part of said stirrer or handle, substantially as described.

In testimony whereof I affix my signature 20 in the presence of two witnesses.

MILLARD F. BROWN.

Witnesses:

M. R. REMLEY,
F. S. THRASHER.