

(No Model.)

W. THOMAS.  
BIN.

No. 594,714.

Patented Nov. 30, 1897.

FIG. 1.

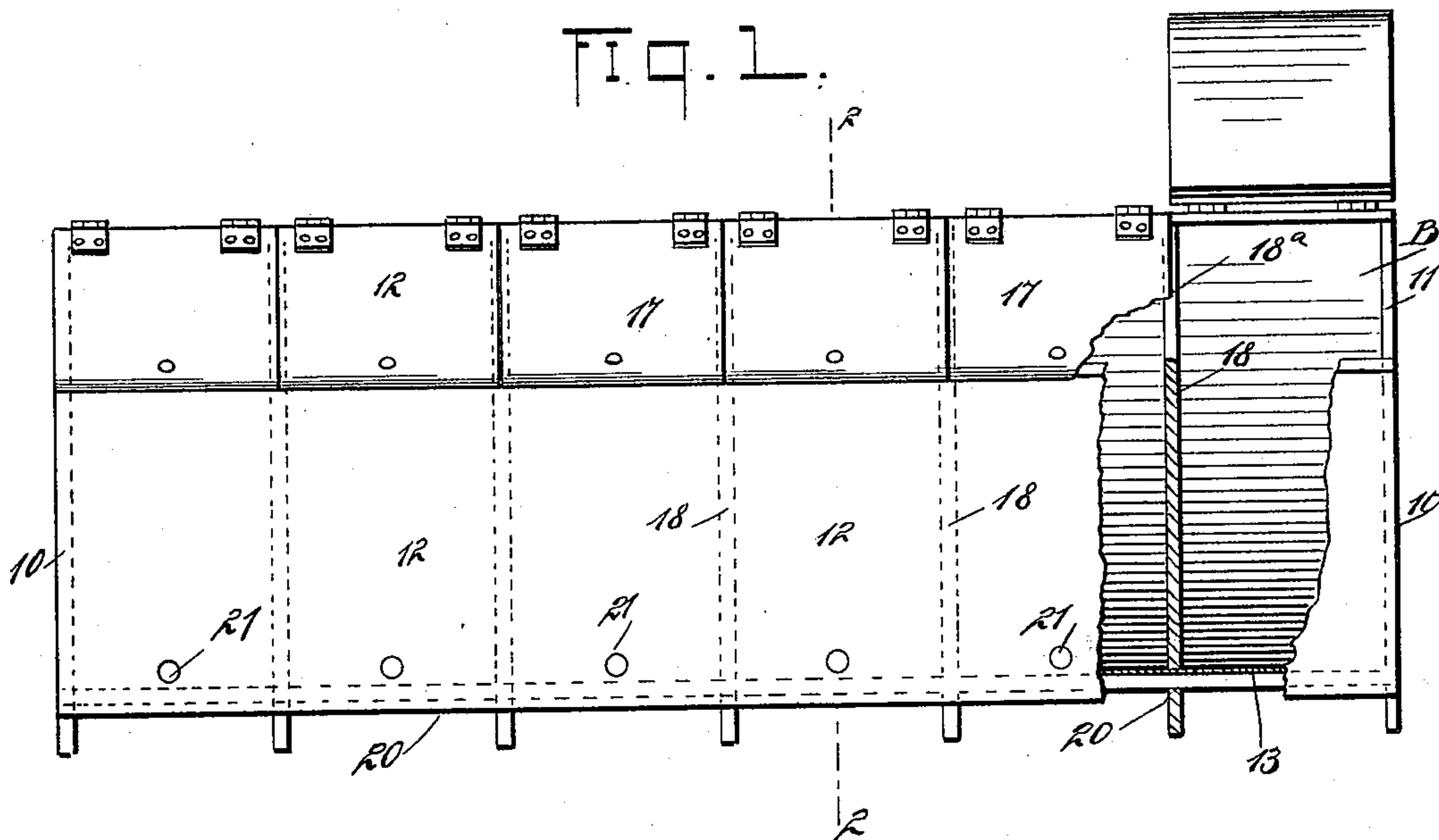
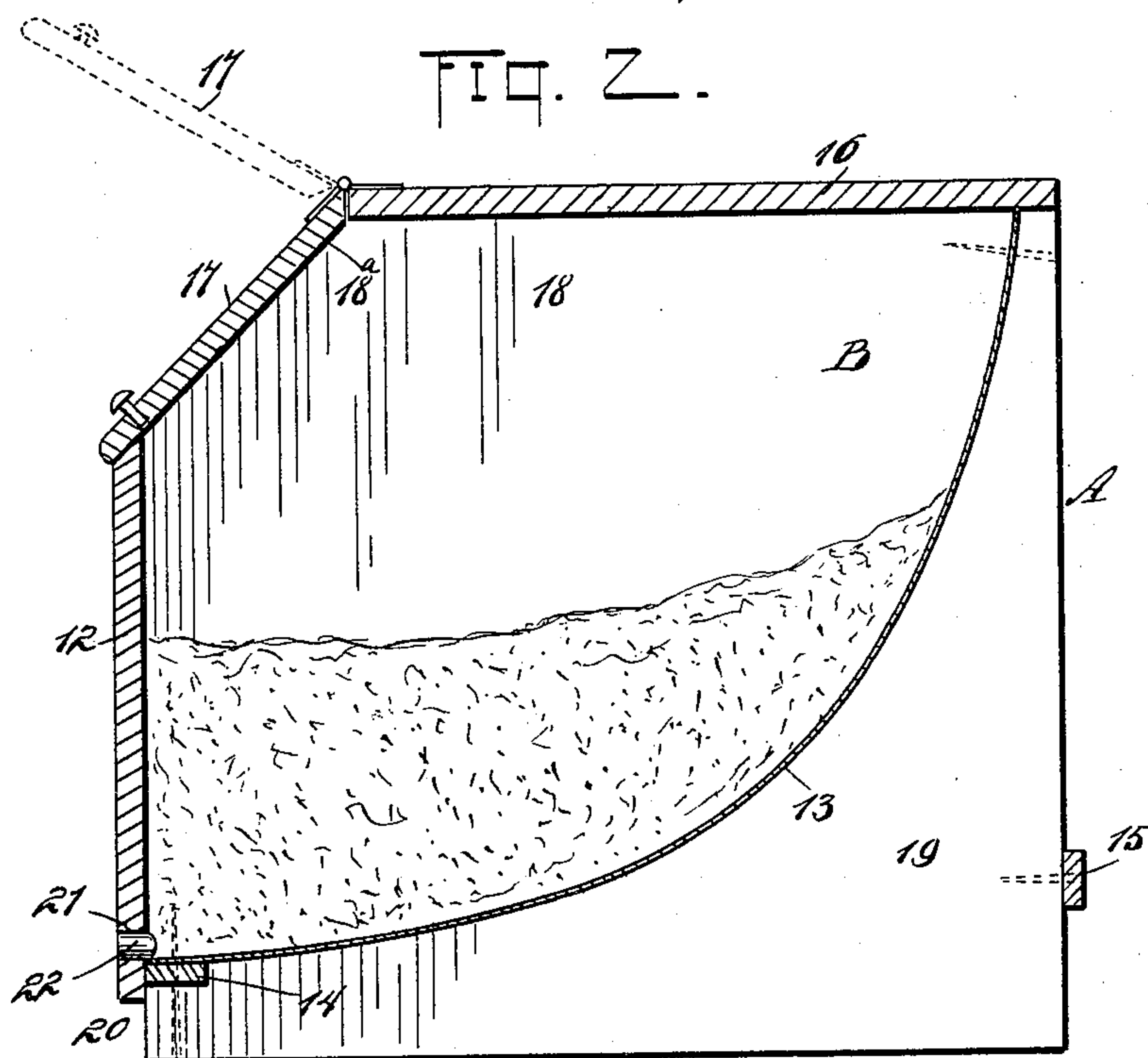


FIG. 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WALTER THOMAS, OF PALATKA, FLORIDA.

## BIN.

SPECIFICATION forming part of Letters Patent No. 594,714, dated November 30, 1897.

Application filed July 8, 1897. Serial No. 643,811. (No model.)

*To all whom it may concern:*

Be it known that I, WALTER THOMAS, of Palatka, in the county of Putnam and State of Florida, have invented a new and useful  
5 Improvement in Bins, of which the following is a full, clear, and exact description.

This invention is an improvement in bins of that class adapted to contain granular foods; and the chief characteristic of the in-  
10 vention is the peculiar arrangement of a plurality of compartments in one entire and inseparable structure, the construction being such as provides this plurality of bins or com-  
15 partments while at the same time being characterized by a very concrete arrangement of the component elements.

This invention is the disclosure of one form of my invention, while the claims define the actual scope of the invention.

20 Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both figures.

Figure 1 is a front elevation of the inven-  
25 tion with parts broken away, and Fig. 2 is a sectional view on the line 2 2 of Fig. 1.

The bin has a continuous and vertical front wall 12 rigidly secured to the front edges of partitions 18, which extend transversely to  
30 the wall 12 and which are arranged vertically, so as to form the several compartments of the bin. Rigidly secured to the upper edges of the partitions 18 and extending horizontally is the top 16 of the bin. The top 16 and the  
35 front wall 12 are separated from each other, so as to provide openings for the several compartments of the bin. These openings are individually closed by lids 17, hinged to the top 16 and bearing at their free edges on the  
40 upper edge of the wall 12.

The bottom and rear walls of the bin are formed by an integral metallic plate 13, curved in the arc of a circle and secured to the lower and rear edges of the partitions  
45 18, such edges of the partitions being curved in conformity with the curvature of the plate 13, so that material placed within the several compartments of the bin will be thrown forward and downward into the lower portion of  
50 the compartments and so that this material may be readily removed from the bin. The wall 12 is provided with a series of openings 21, which respectively lead to the lowermost portions of the several compartments of the

bin. These openings are closed by plugs 22. 55  
By these means the compartments may be washed and otherwise cleaned.

To brace the bin and to support the same, I provide a series of knees 19, which are one for each partition 18 and which are secured 60  
to the wall 12 and top 16, and which also are secured to the partitions 18 by fastening devices (nails, for example) driven through the knees and into the corresponding partitions 18, as indicated by dotted lines in Fig. 2. 65  
These knees have edges curved to conform to the curvature of the plate 13 and have horizontal bottom edges and perpendicular rear edges. The knees are braced by a con-  
70 tinuous bar 15, run horizontally along the rear edges of the knees and by a series of bars 14, located at the front of the knees and respectively between the same. The bin rests  
on the lower edges of the knees 19 and is sup-  
75 ported by the knees, the pressure from the knees being transmitted directly to the par-  
titions 18, and consequently to the rigid framework of the bin, as contradistinguished  
80 from two such fragile portions of the bin as the plate 13.

From the foregoing description it will be seen that a bin of many compartments is provided and that this bin is formed of an entire and inseparable structure the elements of  
85 which are very closely combined and each of which has an essential structure and an essential relative position.

Having thus described my invention, I claim as new and desire to secure by Letters  
90 Patent—

A bin having a front wall, a top wall, a series of vertical partitions rigidly secured to the two walls, the partitions having curved edge portions removed from the said walls, a curved plate secured to said edge portions 95  
and forming the bottom of the bin, and a series of knees having curved edges conforming to the curvature of the plate, the knees being one for each partition and being respectively located in line with the partitions 100  
so that the weight of the bin is transmitted directly between the knees and partitions to the rigid framework of the bin.

WALTER THOMAS.

Witnesses:

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M. W. STEWART.