O. I. Porter.

Grain Bin.

No. 61,095. Patented Jan. 8, 1867.

Fig. 1.

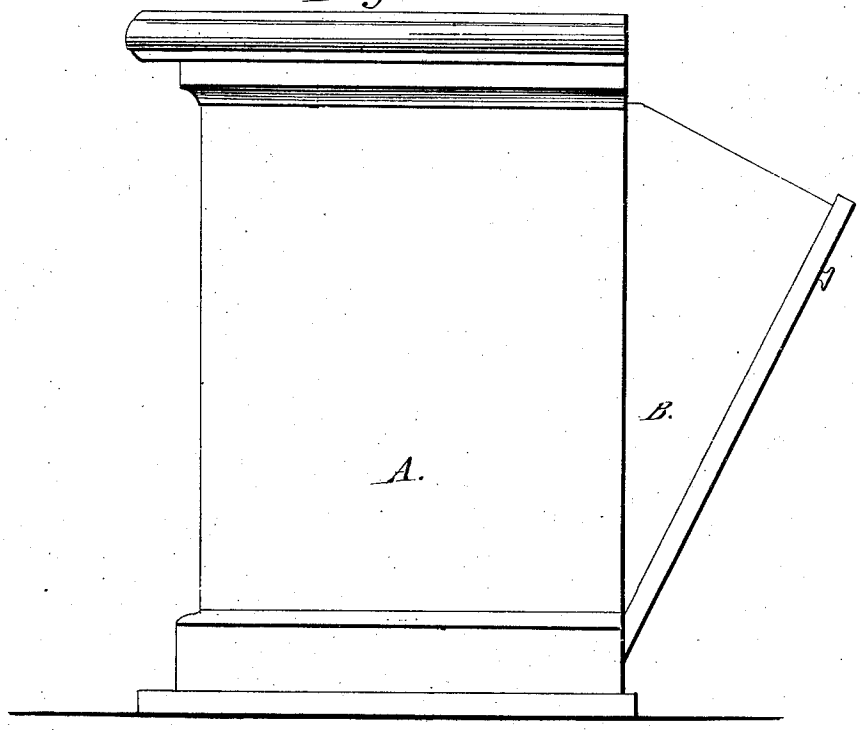
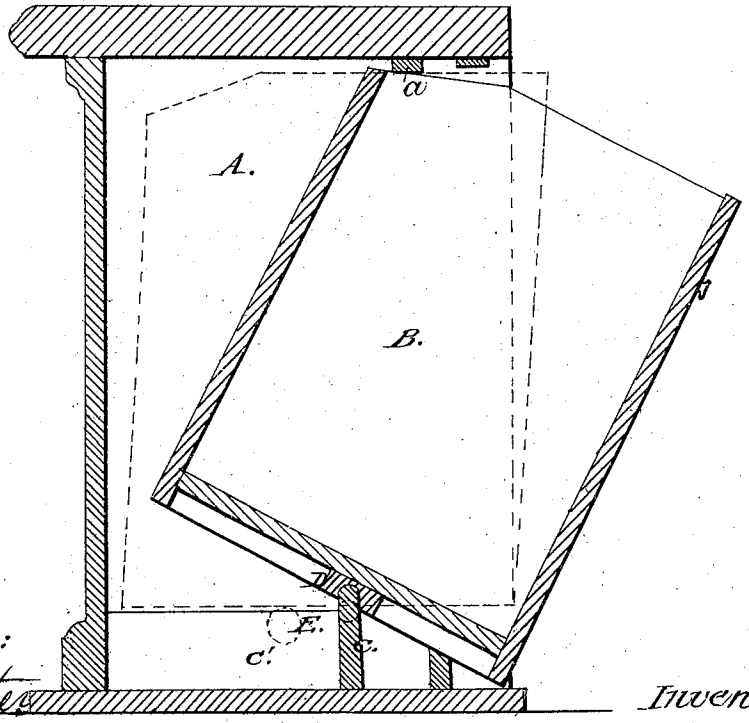


Fig. 2.



Witnesses:

H. S. Foster

Wm. C. Parsons

Inventor:

Orin I. Porter

United States Patent Office.

ORIN I. PORTER, OF HUDSON, OHIO.

Letters Patent No. 61,095, *dated January* 8, 1867.

IMPROVEMENT IN GRAIN BINS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, O. J. PORTER, of Hudson, in the county of Summit, and State of Ohio, have invented certain new and useful improvements in Bins for grain, meal, groceries, &c.; and I do hereby declare that the following is a full and complete description of the construction of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view.

Figure 2 is a vertical section.

Like letters of reference refer to like parts in the views.

This bin or box, B, is placed under and connected to the counter, A, a portion of which is shown in the drawing. This box is of the shape represented in fig. 2, and can be made of any size, the opening under the counter being partitioned off, as the length of the box or bin may require. C is a rib extending from one partition to the next, the ends of said rib being secured in the strip C′, extending the width of the counter. To the under side of the bin is secured the grooved piece D. A friction-roller is placed under each side of the box, as indisated by the dotted line E, fig. 2. This roller may be placed immediately at the end of the rib, upon which the box rocks, or they may be placed in front or any other place desirable. The purpose of the rollers is to aid in removing the box, upon which it rolls, in order to be cleaned, and for other needful purposes. To remove this box or bin from under the counter, it is first tipped back into nearly a vertical position, as indicated by the dotted line, fig. 2, the front side of which is then lifted up, so as to raise the groove above the rib; it can then be easily drawn out from its place on the rollers, and again as easily replaced when so desired. The box is placed under the counter, as above indicated, the groove D receiving the rib C, the rib forming the fulcrum on which the box is tipped back and forth from the counter, the strips C′ and *a* preventing it from falling when it is rocked forward, as shown in the drawing. A box constructed and placed in this way under the counter, as indicated, is easily reached, and is much more convenient than a drawer or barrel. It being so nearly balanced on the rib C, referred to, it is thereby easily tipped forward and its contents removed therefrom with ease and facility, and again as easily moved back into its former position. It is also an excellent substitute for small drawers in drug and seed stores, and may be introduced into pantries, meal rooms, &c., with equal convenience and advantage. The rollers referred to may be disused if so desired, without changing the nature of the invention.

What I claim as my improvement, and desire to secure by Letters Patent, is—

The rib C, groove D, rollers E, and bin B, in combination with the counter or its equivalent, for the purpose and in the manner as set forth.

ORIN I. PORTER.

Witnesses:

H. B. FOSTER,

WM. C. PARSONS.