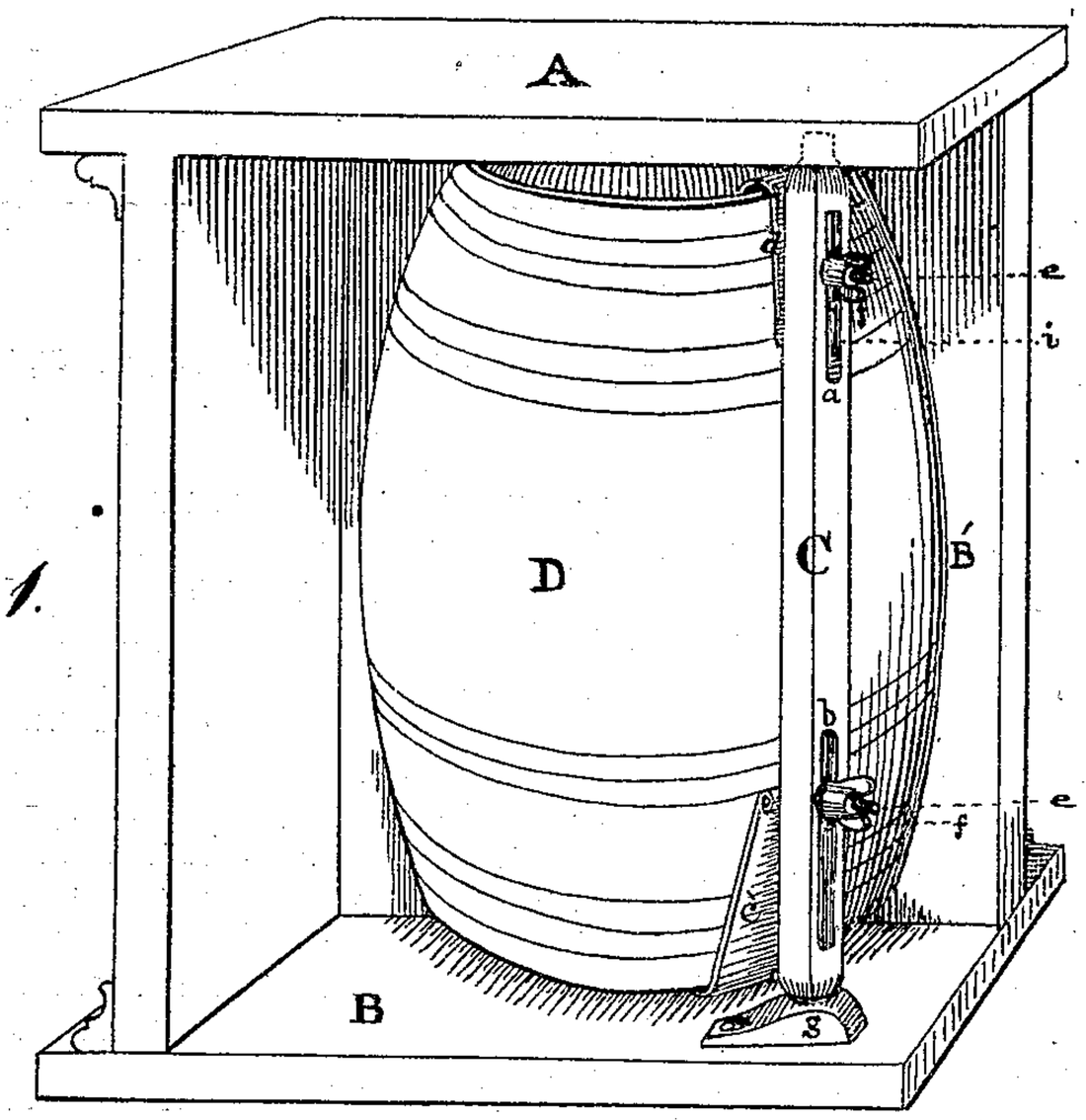
G. M. MOORE.

Improvement in Device for Handling Barrels in Stores.

No. 130,931. Patented Aug. 27, 1872.

Fig. 1.



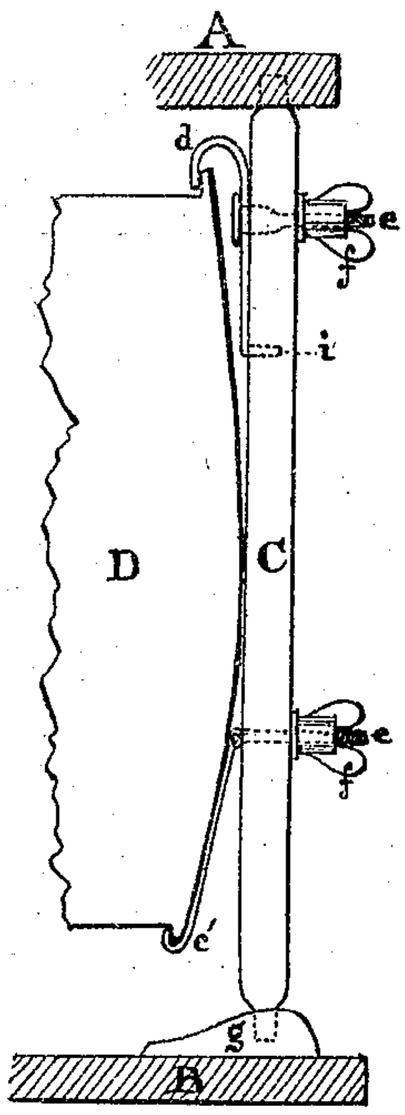
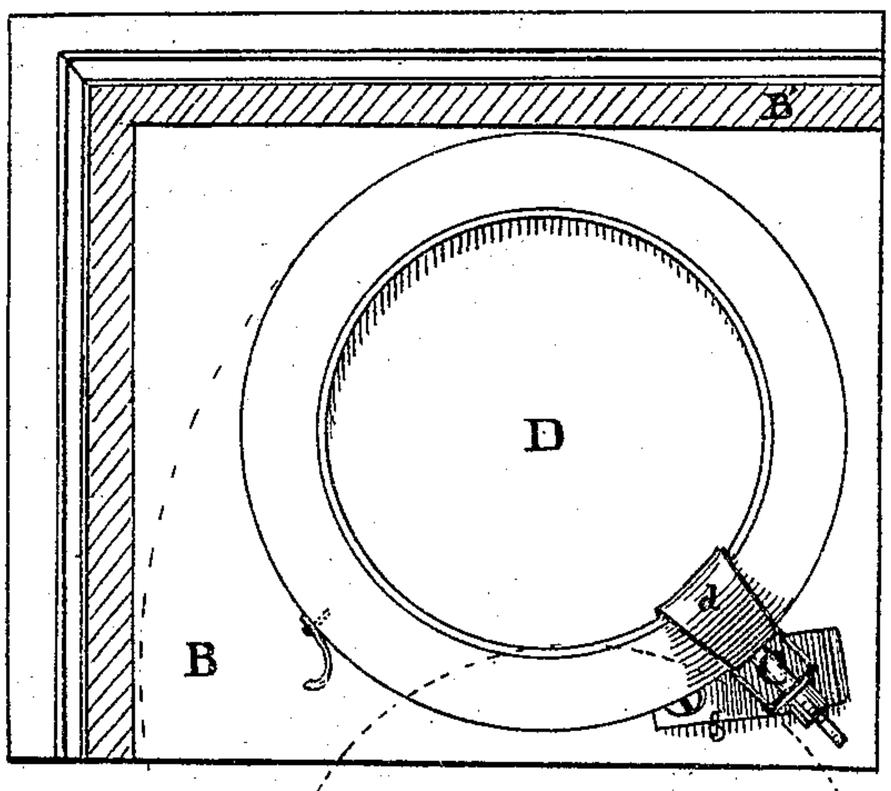


Fig. 2.

Fig. 3.



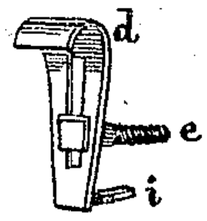


Fig. 4.

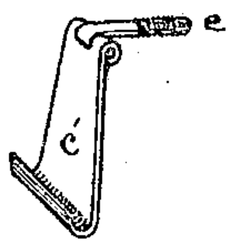


Fig. 5

Witnesses
James McBorse.
A. H. Wells

6 in 12 in.
Scale

George M. Moore, Inventor
by Edmund Thurlow
his Atty. in fact.

UNITED STATES PATENT OFFICE.

GEORGE M. MOORE, OF FARMINGTON, ILLINOIS, ASSIGNOR OF ONE-HALF HIS RIGHT TO JONATHAN COYKENDALL, OF SAME PLACE.

IMPROVEMENT IN DEVICES FOR HANDLING BARRELS IN STORES.

Specification forming part of Letters Patent No. **130,931**, dated August 27, 1872.

To all whom it may concern:

Be it known that I, GEORGE M. MOORE, of Farmington, in the county of Fulton and State of Illinois, have invented a Device for Handling Receptacles for Goods in Stores, &c.; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawing making a part of this specification, in which like letters of reference refer to like parts, and in which—

Figure 1 represents a perspective view; Fig. 2, a vertical elevation; Fig. 3, a plan; Fig. 4, perspective view of upper clamp; Fig. 5, a perspective view of lower clamp.

This invention consists in mounting barrels or other receptacles for goods in daily use on convenient hooks, clamps, or holders attached adjustably to a vertically-pivoted shaft or similar turning-point under a counter or other recess, so that said barrel or receptacle may be easily swung out and returned to the recess out of the way.

A represents the top of the counter or other recess; B, the floor or bottom of recess. C is a vertical shaft, pivoted above in the counter or a bracket, and below in the floor, (or in a step, *g*.) This shaft may be made of any suitable material, and is provided above and below with vertical slots *a b*, each of which receives a bolt, *e*, of a separate thumb-screw, *f*, attached to a clamp, *d c*. The upper clamp *d* (shown fully at Fig. 4) is slotted vertically to receive the neck of the bolt *e* of the thumb-screw *f*, and curves at the top outward from the shaft C so as to clasp the "chimes" of a barrel, (or edge of a box,) and terminates below in a short horizontal arm, *i*, which slides in the slot *a*, to preserve the verticity of the clamp. The lower clamp *c* is pendent from the end of the bolt *e*, which slides in the lower slot *b*, to which bolt the clamp is hinged or otherwise attached, said bolt being fastened on the outside of the slot, in a similar manner to the bolt of the upper clamp, by the thumb-screw *f*. This clamp *c*, like the other, is of metal, about six or eight inches long, with a proper recess or ledge at the bottom to receive the lower edge or "chimes" of the barrel or box. The barrel or box is thus received between the lips of the upper and lower clamps, the whole turning on a pivot with the shaft C.

The shaft C may be substituted by brackets hinged to a wall, partition, or other vertical surface, the brackets being connected to the barrel in any convenient devices, as hoops, to inclose the barrel above and below, or above only, and sustained by a clamp below, or vice versa; or the barrel or box may be secured to the brackets or to the shaft C by boring convenient holes in the barrel or box and passing bolts through the same, and fastening them in any secure manner to the shaft or brackets.

The thumb-screws and bolts *e f* may be substituted by sliding staples which embrace the shaft A, and may be engaged with the latter by means of thumb-screws, wedges, or notches in the shaft.

Various other means readily suggest themselves by which to accomplish the objects described above—*i. e.*, the swinging of the barrel or receptacle out of the way when not immediately wanted.

The operation of this invention need scarce be described, for all that is necessary is to raise the barrel so as to place the "chimes" at the bottom in the groove of the lower clamp *c'*; then bring the sides of the barrel close to shaft C, at the same time engaging the recess in the upper part of the upper clamp *d* upon the upper chimes of the barrel; then tightening the retaining thumb-screw *f* upon the bolt *e*, which draws the clamp rigidly to the shaft C, and the barrel is now supported clear of the floor B, and can be swung out or into the recess.

If a box is required to be thus mounted in place of a barrel, a recess can be cut in or near the bottom of the box to receive the lower clamp; or the box may be mounted on one or more casters at the side furthest from the shaft C, and dispense with the upper clamp *d*, but still turning upon the former as a pivot, (*i. e.*, the shaft C.)

Of course, one of the objects sought to be accomplished is to furnish a device for swinging successive barrels (as of sugar, &c.) until emptied of their contents, when a fresh full barrel is readily substituted for the empty receptacle.

What I claim as my invention is—

A vertically-pivoted shaft, C, or equivalent, provided with the adjustable clamps *d c'*, or equivalents, for sustaining and swinging or turning any heavy barrel, box, or similar receptacle for goods, horizontally into or out of a convenient recess, substantially as and for the purposes described.

In testimony that I claim the foregoing device for mounting and swinging barrels I have hereunto set my hand this 12th day of July, A. D. 1872.

GEO. M. MOORE.

Witnesses:

GEO. L. BESTOR,

CHAUNCEY NYE.