(No Model.)

N. S. CHANDLER.

JUG TILTING DEVICE.

No. 370,607. Patented Sept. 27, 1887.

Fig 1

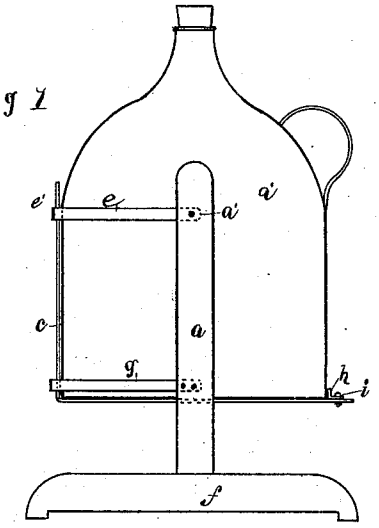


Fig. 2

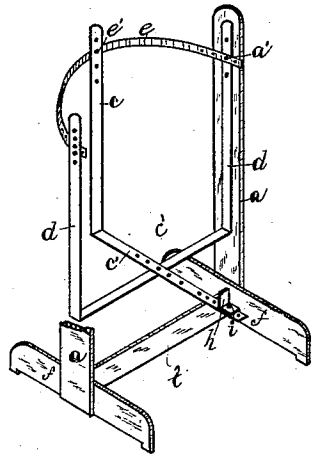
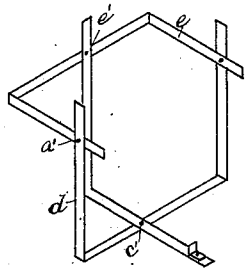


Fig 3.



WITNESSES:

F. M. Campbell.

R. H. Earle.

INVENTOR

Nowis S. Chandler

BY N. C. Bliss

ATTORNEY

UNITED STATES PATENT OFFICE.

NORRIS S. CHANDLER, OF SPRINGFIELD, MASSACHUSETTS.

JUG-TILTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 370,607, dated September 27, 1887.

Application filed May 28, 1887. Serial No. 239,730. (No model.)

To all whom it may concern:

Be it known that I, NORRIS S. CHANDLER, of Springfield, Hampden county, Massachusetts, have invented a new and useful Improvement in Jug-Holding Devices, of which the following is a specification.

My invention relates to a class of devices adapted to hold a jug or other vessel of considerable size so that the contents may be conveniently emptied without the necessity of bodily lifting the same from the floor; and my invention consists of a certain novel adjustable tilting rack so pivoted with reference to the center of gravity of the holder and jug that by a slight force the top of the jug may be swung forward until the contents run therefrom, as illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of said device. Fig. 2 is a perspective, partly in section. Fig. 3 shows a modified construction.

In Fig. 2 the standards *a*, foot-pieces *t*, and cross-piece *f* form the body of the frame. Near the upper ends of the standards *a* is pivoted a tilting rack composed of the angular irons *d* and *c*, the lower portions of which cross each other at right angles and are securely bolted together at the junction, as shown. To the vertical portions of said iron pieces *d* and the vertical arm of the angular piece *c* is bolted the front piece, *e*. Extending from one of the standards *a* to the other at a point just above the bottom of a jug when in position and securely fastened to said standards is a stop, *g*. (Shown as semicircular in Fig. 1.)

The position of a jug in a holder is represented in Fig. 1. To the rear portion of the angular iron *c* is adjustably attached the sliding foot-piece *h*, secured to said angular iron by set-screw *i*, passing through perforations therein. To facilitate the introduction of a vessel into the rack the foot-piece *h* is made lower than the front vertical arm of the angular iron *c*.

It will be seen at once that when a jug or a vessel is in the rack it may be readily tilted forward to empty the contents, while the stop-band *g* will prevent it from swinging back far enough to be dropped from the holder.

It will be seen that the vertical portions of angular irons *c* and *d* are provided with a series of perforations, as shown. By shifting the pivots from one to another of the holes in angular iron *d* the center of gravity relative thereto of the suspended vessel is changed. These pivots *a'* are of the form of common bolts which pass through the standards *a*, angular iron *c*, and front piece, *e*.

When it is desired to adjust the rack to vessels of different size, it is only necessary to shift the pivots *a'* and bolt *c'* to other holes in the angular irons, taking care that the bolt *c'* shall come under the center of the vessel when at the front of the rack, and of course that the pivots *a'* are in a vertical plane above.

The front piece, *e*, when the same is semicircular, as shown in Figs. 1 and 2, is sufficiently flexible to be easily adapted to the slight change of arc made necessary by such adjustment.

The form of the rack adapted for carrying square vessels or cans is shown in Figs. 3, the difference being that the semicircular front piece, *e*, and stop *g* shown in Fig. 1 are changed for the angular pieces correspondingly designated in said Fig. 3.

Sliding foot-piece *h* is provided with a slot in the horizontal portion, and the corresponding portion of angular iron *c* is provided with a series of perforations, by means of which the foot *f* may be slid up to a contact with the vessels of various sizes in the rack.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a jug-holding device, the combination, with standards *a*, of a tilting rack pivoted thereto, as shown, composed of angular irons *c* and *d*, which cross each other at the base and are bent to conform to the outline of a jug, the rearward-projecting angular iron *c* having an upward-projecting foot, *h*, and the bent front piece, *e*, joining said angular irons at or near their top, substantially as described.

2. In a jug-holding device having a pivoted tilting rack, the combination, with the base portion of the rack, of adjustable foot *h*,

for adapting the holder to vessels of various sizes, substantially as described.

3. In a jug-holding device, the combination, with suitable supports and pivotal connections, of a tilting rack composed of angular irons *c* and *d* and front piece, *e*, said irons having a series of perforations for adjusting the center of gravity of the rack and burden with reference to the pivotal point, substantially as described.

NORRIS S. CHANDLER.

Witnesses:
F. E. DUTCHER,
THOS. CHUBBUCK.