No. 715,018. Patented Dec. 2, 1902.

D. S. CAMPBELL.

CASK OR BOTTLE TILTER.

(Application filed June 30, 1902.)

(No Model.) 3 Sheets—Sheet 1.

FIG 1

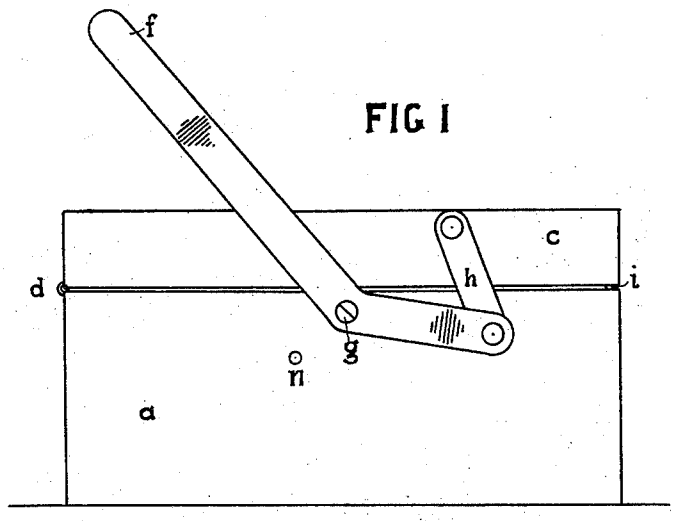
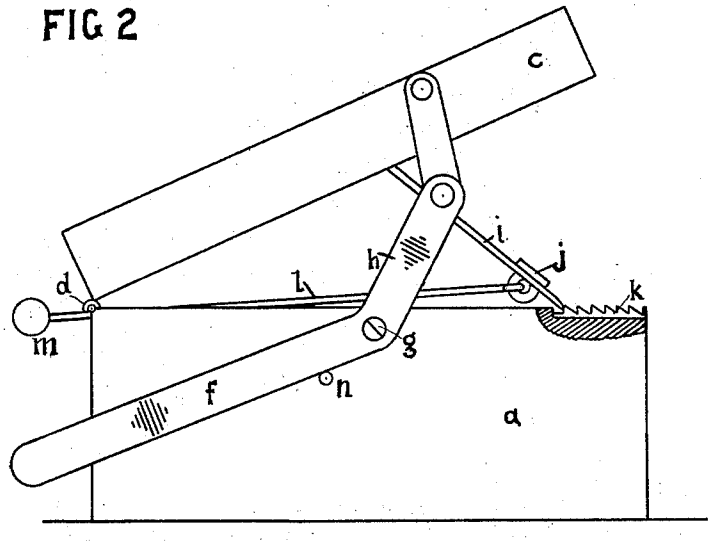


FIG 2



Witnesses
H. Abrensley.
James B. Wilson.

Inventor
David Stewart Campbell
per Chas Coventry
Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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FIG 3

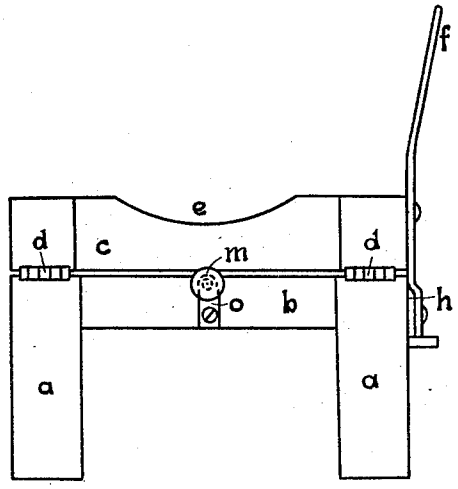
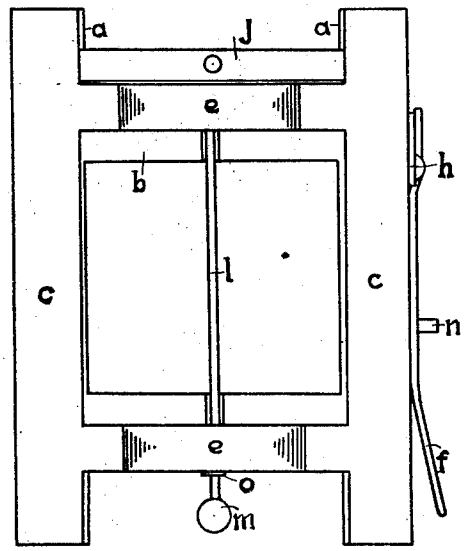


FIG 4



Witnesses

H. Coventry

James B. Wilson

Inventor

David Stewart Campbell.

per Chas Coventry

Attorney.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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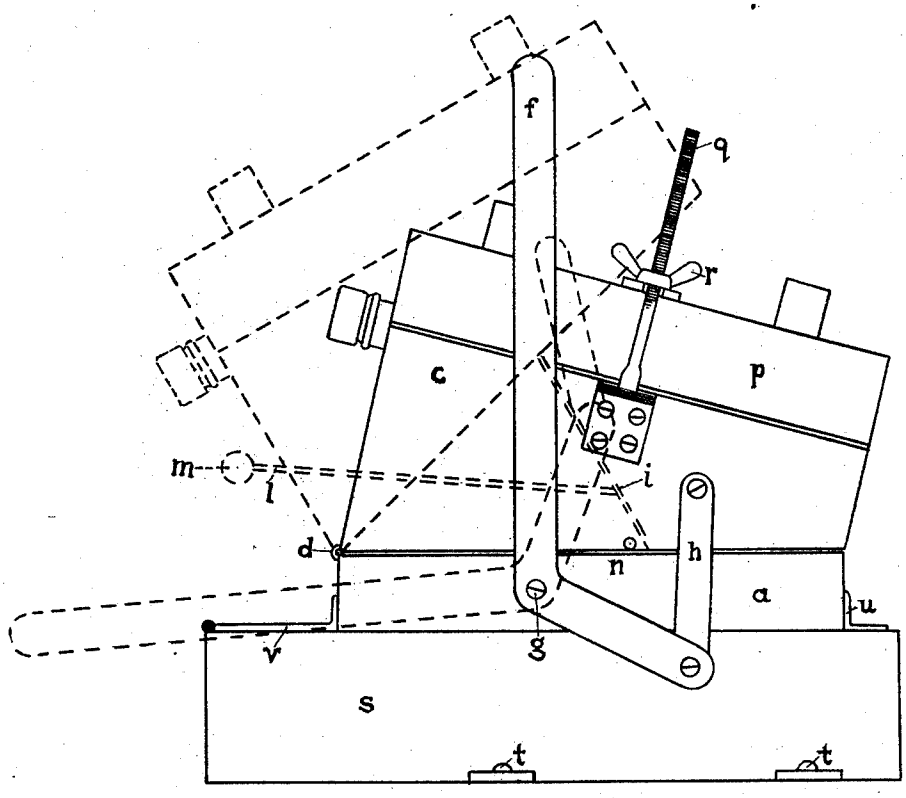


FIG 5

Witnesses

A. Coventry

James B. Wilson

Inventor

David Stewart Campbell.

per Chas Coventry

Attorney.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

DAVID STEWART CAMPBELL, OF LIVERPOOL, ENGLAND.

CASK OR BOTTLE TILTER.

SPECIFICATION forming part of Letters Patent No. 715,018, dated December 2, 1902.

Application filed June 30, 1902. Serial No. 113,810. (No model.)

To all whom it may concern:

Be it known that I, DAVID STEWART CAMPBELL, a subject of the King of Great Britain and Ireland, residing at 12 Covent Garden, Liverpool, in the county of Lancaster, England, have invented a new and useful Improvement in Cask or Bottle Tilters, of which the following is a specification.

My invention has for its object a convenient and effective apparatus for holding and tilting casks, bottles, or similar receptacles. It is especially adapted for use in stillaging beer or other liquids in casks and for decanting wines, though it is obvious that I do not confine myself to this.

By means of my apparatus a gradual and gentle tilt may be imparted to the vessel by moving a hand-lever, so that the contents are not shaken up, and a double rack-and-pawl device is employed to steadily maintain the desired position. A releasing-rod is also provided to disengage the pawls from the racks, when desired, or to insure their engagement therewith, and one great advantage of my apparatus is that the various movements may be readily effected from the front, and this is of importance where space is limited.

My apparatus is simple and may be readily understood and used by unskilled persons.

In the drawings, Figure 1 is a side elevation of my apparatus adapted to hold a cask and showing the moving frame, hereinafter described, in its lowest position. Fig. 2 is a similar view showing the moving frame in its highest position. Fig. 3 is a front elevation of Fig. 1, and Fig. 4 is a plan view. Fig. 5 is a similar view to Fig. 1, but drawn to a larger scale and showing my invention as used for holding and tilting a bottle.

Referring first to Figs. 1 to 4, the base of the apparatus is composed of side pieces *a*, preferably of stout timber, and cross-pieces *b*. The moving frame *c* is attached to the base at its front by hinges *d*. Recesses *e* in the cross-pieces of moving frame *c* are provided, and it is in these that the cask rests. An elbowed lever *f* is pivoted at *g* to one side piece *a*, and a link *h* connects the short arm thereof with the moving frame *c*, as shown. This lever may be removable. A double pawl, composed of two pieces *i*, connected and strengthened by a cross-strip *j*, is hinged beneath the frame *c*, and the free ends of pieces *i* are adapted to mesh with racks *k*, (see Fig. 2,) which are preferably countersunk in the side pieces *a*. A rod *l* is linked to cross-strip *j* and has a handle or knob *m* on its front end. A stop *n* limits the movement of lever *f*. *o* is a guide for rod *l*.

The mode of action is as follows: The cask is placed on the frame *c*, and when it is desired to tilt it the lever *f* is pulled over more or less, according to the amount of tilt required. The pawls ride over the teeth of the racks *k*, and when the pressure on lever *l* is released they maintain the cask in desired position. The handle *m* is used to release the pawls *i* from the racks *k* by pushing it inward, and it may also be used (by pulling it outward) to make certain that the said pawls are acting properly.

Referring now to Fig. 5, the apparatus is similar to that already described, being slightly modified to hold and tilt a bottle. A hinged lid or hood *p* is attached to the moving frame *c* and may be pressed down so as to hold the bottle firmly in place by a hinged rod *q* and wing-nut *r*. *s* is a stand for the apparatus, which is preferably screwed, as at *t*, to a firm table or dresser. The side pieces *a* at their rear ends bear against stops *u*, while their front ends bear against stops *v*. The latter are hinged, so that they may be raised to allow the apparatus to be placed in position on the stand or removed therefrom.

It is of importance in decanting from bottles that the contents should not be shaken so as to disturb the sediment, and the construction and the action of this apparatus allow a steady and gradual tilting in addition to holding the bottle firmly while its cork is withdrawn.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

In aparatus for holding and tilting casks the combination of a base, a frame hinged thereto and adapted to hold the cask, a lever pivoted to said base, a link connecting the short arm of said lever to the rear of the

frame, two racks carried by said base, pawls on said frame adapted to mesh with said racks and to maintain the desired degree of tilt, and a handle linked to said pawls whereby they may be released or surely engaged, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DAVID STEWART CAMPBELL.

Witnesses:
CHAS. COVENTRY,
STEPHEN SHILTON.