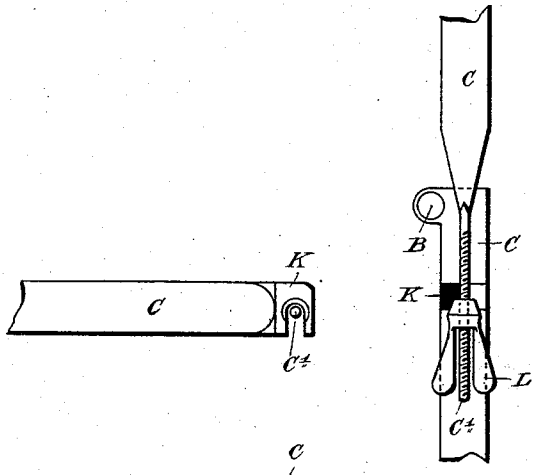
(No Model.) 2 Sheets—Sheet 1.

J. T. VAUGHAN.

STAND AND TILTER FOR CASKS.

No. 324,436. Patented Aug. 18, 1885.

Fig. 3.



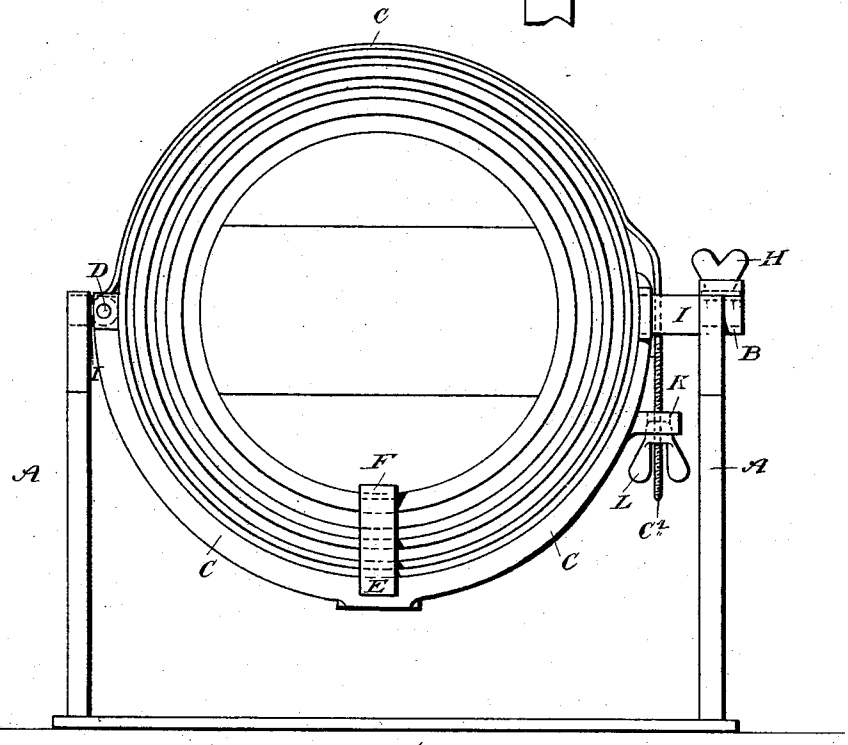


Fig. 1.

Attest.
W. C. Goulter.
O. M. Knobloch.

Inventor.
John T. Vaughan,
per Henry A. Lee
his atty

N. PETERS, Photo-Lithographer, Washington, D. C.

(No Model.) 2 Sheets—Sheet 2.

J. T. VAUGHAN.

STAND AND TILTER FOR CASKS.

No. 324,436. Patented Aug. 18, 1885.

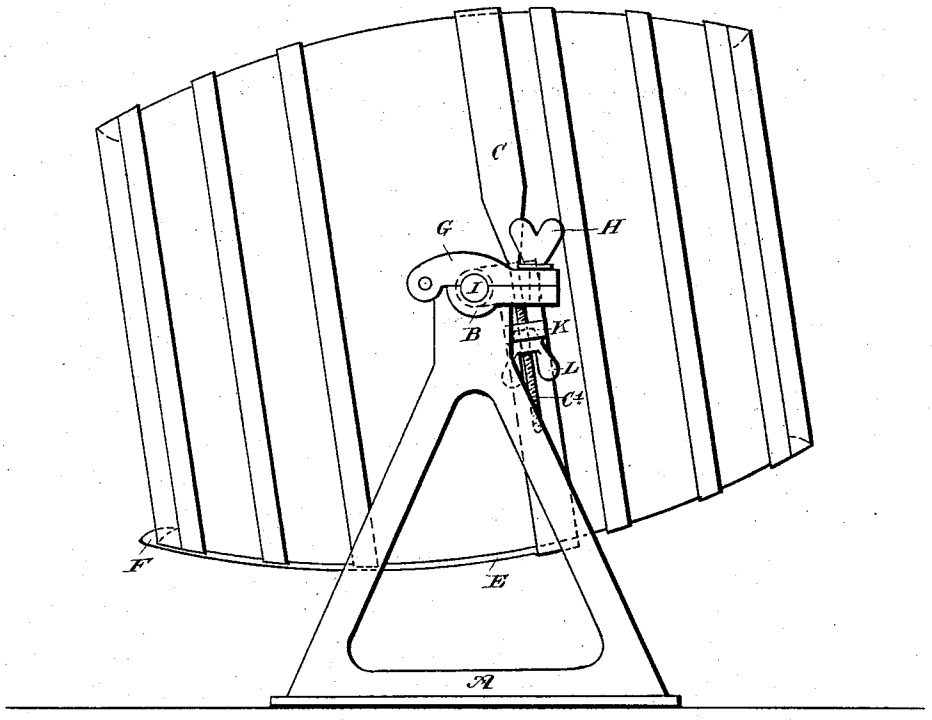


Fig. 2.

Attest:
O. D. Boulter
O. M. Knobloch

Inventor:
John T. Vaughan,
per Munn & Co
his attys

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

JOHN THOMAS VAUGHAN, OF LEICESTER, ENGLAND.

STAND AND TILTER FOR CASKS.

SPECIFICATION forming part of Letters Patent No. 324,436, dated August 18, 1885.

Application filed May 11, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOHN THOMAS VAUGHAN, a subject of the Queen of England, residing at Leicester, England, machinist, have invented a new and useful Combined Thrall or Stand and Tilter for Casks and the like, of which the following is a specification.

The object of my invention is to provide ready means of dealing with casks and other similar vessels so that they may be swung into any easy position to draw off the contents, and thereby save the labor of lifting casks onto thralls, and the subsequent tilting by propping, &c.

In the accompanying drawings, Figure 1 is an end view of cask and tilter, and Fig. 2 is a side view of the same.

I employ a pair of standards, A, by preference of cast iron, on the top of which are bearings B. I provide a suitable belt or strap, C, with a joint, D, so that the strap can be adjusted to suit the size of the cask intended to be tilted. From this belt depends one or more arms, E, hooked at the end F to receive the cask prior to being swung on the standards by trunnions I, which project from the belt C. One or, if necessary, both of the bearings are clip-bearings, the cap G being hinged to the bearing B, and through the clip is a screw, H, which, when tightened up, holds the cask when suspended in any required position, and when loosened allows the cask to swing into a vertical position. A bent tube or spout may be inserted in the top, out of which the liquor runs when the vessel is tilted. The vessel may be suspended so as to hang top end up. One end of the belt C is screwed at C′ and passes through the lug K upon the other portion of the belt. A thumb or other nut, L, screws onto this portion C′, so that the whole belt C can be tightened up as may be necessary.

By the details shown in Fig. 3 it will be seen that the lug K is divided so that the screwed strap end C′ may enter it sidewise, the conical portion of the nut L entering a corresponding conical recess in the lug, as shown, preventing C′ from working out again when the nut is screwed up.

To place the cask in position, the hooked suspender is brought quite to the front of the frame-work. The cask is then placed so that the edge shall drop in the hook, and the cask can then be pushed into the frame without much exertion on the part of a cellarman, and the front band can then be applied and the cask swung into any position.

This invention is suitable for drums and cans as well as casks, and is very handy for use in shops, as with oil-drums and the like, and dispenses with the necessity for a tap, and obviates all leaking therefrom.

The bent tube before mentioned does instead of the tap, the cask or drum being tilted, to pour out the liquid, and allowed to return to its normal position with the bent tube more or less approximating to the vertical. This arrangement would not be applicable to beer-casks, which require a tap.

The cask, drum, &c., can be adjusted so as to hang in any desired position.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. In a thrall and tilter for casks and the like, the combination, with the jointed strap C, carried by trunnions I in bearings B, of the tension device C′ K L, for the purpose of adapting the strap to casks or vessels of various sizes.

2. In a thrall and tilter for casks and the like, the combination, with the strap C, having trunnions I, of the bearing B, provided with adjustable cap G, for the purpose specified.

3. In a thrall and tilter for casks and the like, the combination, with the jointed strap C, of the hooked arm E F, for the purpose specified.

4. In a thrall and tilter for casks and the like, the combination, with the belt C C′, of the divided lug K, having a conical recess, and the conical nut L, substantially as specified.

In testimony whereof I have hereunto set my hand in the presence of the two subscribing witnesses.

JOHN THOMAS VAUGHAN.

Witnesses:

E. H. LEWIS,
Patent Agent's Clerk, 1 Market St., Leicester.

JNO. T. WARING,
Solicitor, Clerk to Mr. J. B. Haxby, Consular Agent, Leicester.