

June 4, 1929.

W. B. PAVEY

1,716,281

ROCKER BARREL STAND

Filed July 21, 1927

Fig. 1

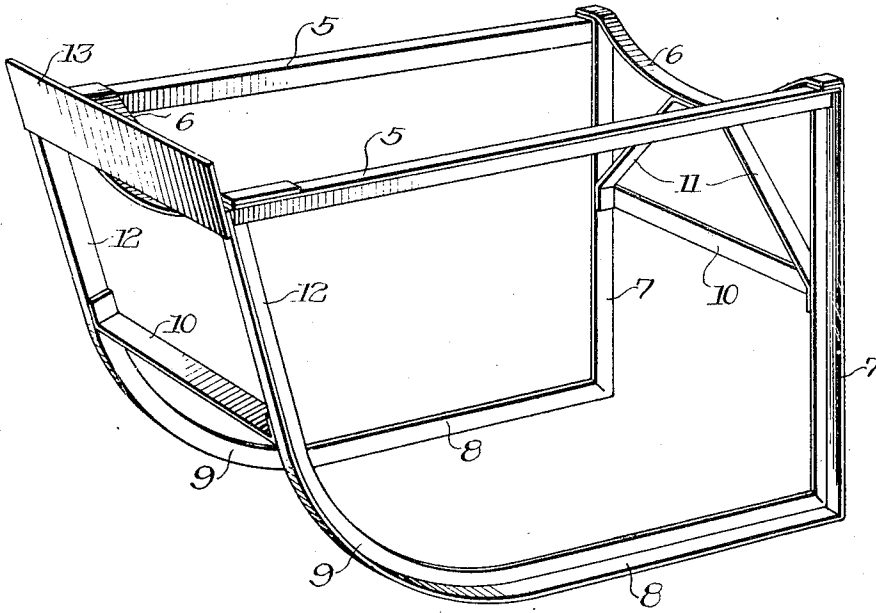
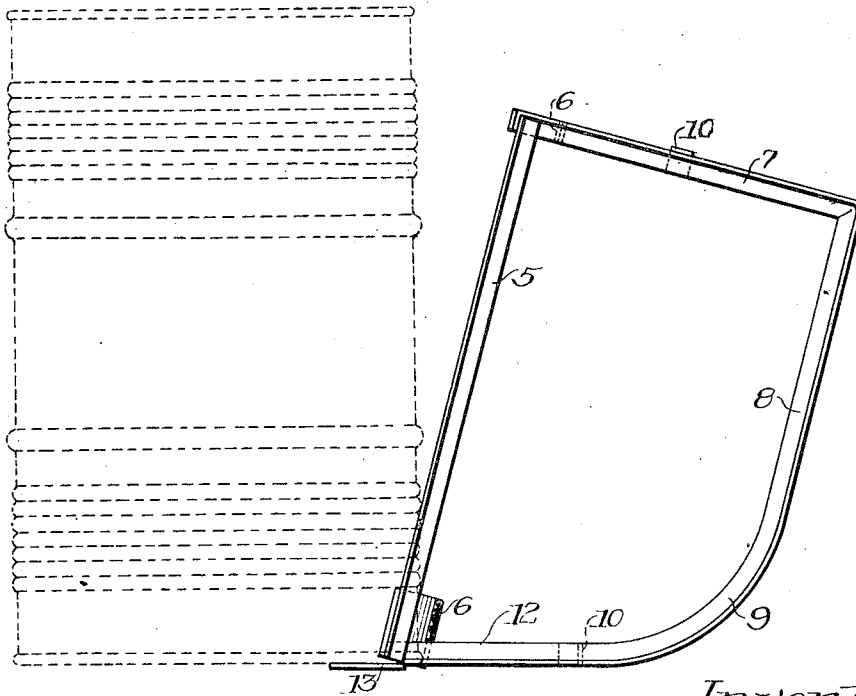


Fig. 2



Inventor
William B. Pavey
By Christal Parker Carlson
Attys

UNITED STATES PATENT OFFICE.

WILLIAM B. PAVEY, OF WINNETKA, ILLINOIS, ASSIGNOR TO ECONOMY ENGINEERING COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

ROCKER BARREL STAND.

Application filed July 21, 1927. Serial No. 207,390.

My invention relates generally to a device for tilting a barrel or the like from vertical to horizontal position and simultaneously raising it so that its contents may be conveniently drained into receptacles placed upon the floor.

In order to fit the ordinary type of barrel tilting device so that it would serve as a stand for the barrel it has been the common practice to provide some sort of a swingable or movable member mounted on the main frame of the device. It has been found that such members are subject to breakage which, of course, puts the device out of use until it can be repaired.

The primary object therefore of my invention resides in the provision of a novel combined barrel tilter and support having an advantageous and novel mode of operation and which is rugged and durable and which may be economically manufactured.

Another object is to provide a novel barrel-tilting device which is of entirely rigid construction and which will serve as a support for the barrel in a horizontal position.

Another object is to provide a barrel tilter of rigid construction which is so formed that when a barrel is tilted it will be positively stopped in a substantially horizontal position.

Other objects and advantages will become apparent from the following description and from the accompanying drawings in which:

Figure 1 is a perspective view of the preferred form of my invention.

Fig. 2 is a side elevational view of the support showing its application for tilting a barrel.

The embodiment chosen for disclosure herein is formed entirely from standard rolled metal shapes and all of the joints are welded. A barrel-receiving body is provided upon which a barrel may rest in a horizontal position, this body comprising a pair of beams 5 which are adapted to extend along the sides of a barrel to space a plurality of arcuate members 6 which join the two beams. The beams 5 may be of any preferred form to provide the requisite stiffness, such as angle iron bars as herein illustrated.

For the purpose of supporting the barrel receiving body in a horizontal position above the floor, a pair of supporting members is provided, one attached to each side of the body so as to extend downwardly therefrom.

Each supporting member comprises a column member 7 attached to one end of the body and extending downwardly therefrom and a base member 8 attached to the lower end of the column 7. The base member 8 extends from the column 7 substantially parallel to the body to a point beyond the center of the body. Thus the center of gravity of a load uniformly distributed on the body will be positioned to keep the device in a horizontal position.

For the purpose of providing a rocking surface for use in tilting a barrel, the base members 8 are bent to an arcuate shape to form a rocker 9 which extends upwardly to meet the other end of the body and to be joined thereto.

Although the column 7, base member 8 and rocker 9 may, of course, be separately formed, I prefer to form the three parts integrally for each supporting member. In the present instance an angle iron is bent to form the rocker 9 and base member 8 and is notched and bent at right angles to form the column 7 attached thereto.

In the preferred form illustrated I have shown a short straight portion 12 of angle iron between the arcuate portion and the body and disposed at an acute angle relatively to said body, but it is to be understood that the arcuate rocker 9 could extend to the point of joining.

Suitable bracing may be provided, as, for example, the similar cross bars 10 extending between the supports at each end and the diagonal bracing 11 which is attached to one of the arcuate members 6 and extends diagonally to the column members 7 at both sides.

To facilitate the lifting of a barrel by the device I provide means at the same end as the rocker 9 to engage the bottom of the barrel to lift the same during the rocking movement of the device. This means comprises a lip 13 formed from a flat strip of metal fastened to the ends of the beams 5 so as to extend upwardly when the device is in a horizontal position.

The device is rendered particularly advantageous in use by reason of the straight portions 12 which are interposed between the arcuate portions 9 and the beams 5. These straight portions 12 serve, when the device is placed in the position shown in Fig. 2 of the drawings, to support the beams 5 at an angle to the ground. Thus a barrel such as

that shown in dotted outline in Fig. 2 may be placed in position over the lip 13, and the workman, while standing on the far side (to the right in Fig. 2) of the barrel stand, may
 5 grasp the upper edge of the barrel and tilt it over until it rests against the upper arcuate member 6. The barrel may then be easily maintained in this stable position by exerting a slight force thereon while the workman
 10 walks around to the other side of the barrel support in which position he may grasp the lower outer edge of the barrel to tilt the barrel and the stand to the desired horizontal position.

15 It will be apparent from the foregoing that I have provided a combined barrel tilter and rack which will be extremely sturdy and which may be economically manufactured.

20 It will also be apparent that a barrel tilting device which is entirely rigid in construction and which may be used as a support for a barrel in a horizontal position is hereby provided.

25 While the invention is susceptible of various modifications and alternative constructions, I have shown and herein described in detail the preferred embodiment but it is to be understood that I do not thereby intend to limit the invention to the specific form disclosed but intend to cover all modifications

and alternative constructions falling within the spirit and scope of the invention as expressed in the appended claim.

I claim as my invention:

A combined barrel tilting and support- 35
 ing device comprising a pair of beams adapted to extend longitudinally along the sides of a barrel, a lifting lip adapted to fit under the edge of a barrel when the barrel is stand- 40
 ing on end, said lip being connected to the ends of said beams, a plurality of arcuate members joining said beams at spaced inter-
 vals, a pair of column members, one attached to each of the beams at the end opposite the 45
 point of attachment of said lifting lip, and a pair of supporting members, each having an arcuate portion comprising substantially
 one quarter part of a circle and straight portions extending tangentially from the op- 50
 posite ends of said arcuate portion, the end of one of said straight portions of each being connected to the lower end of one of the columns and the end of the other straight
 portion being attached to one of said beams 55
 adjacent said lifting lip at an acute angle to said beam.

In testimony whereof, I have hereunto affixed my signature.

WILLIAM B. PAVEY.