No. 824,586. PATENTED JUNE 26, 1906.

G. S. ROMINGER.

CASK SUPPORT.

APPLICATION FILED MAY 6, 1904.

Fig. 1.

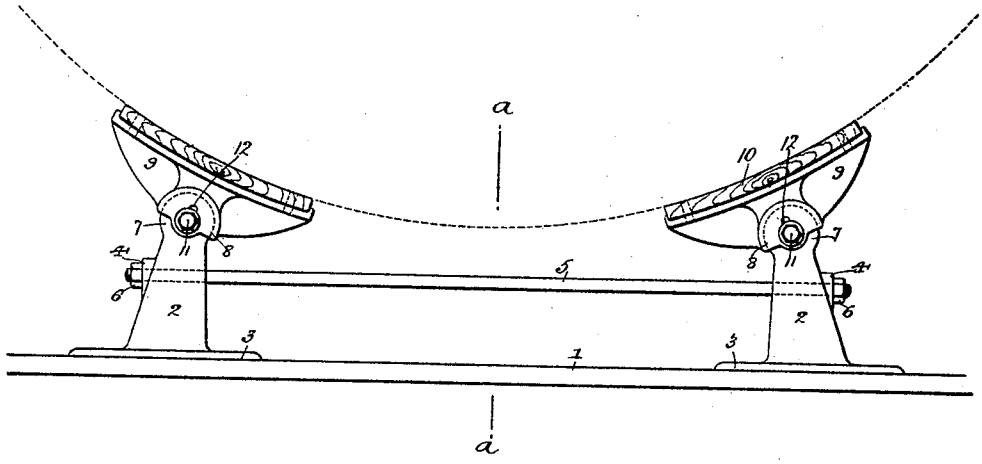


Fig. 3.

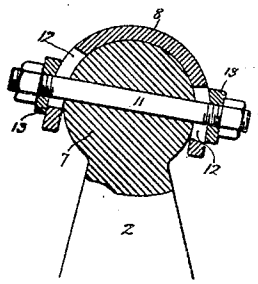


Fig. 2.

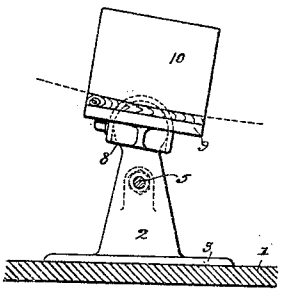
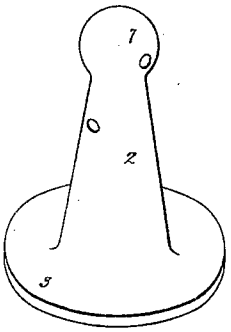


Fig. 4.



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UNITED STATES PATENT OFFICE.

GEORGE S. ROMINGER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO GIRARD IRON WORKS, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

CASK-SUPPORT.

No. 824,586. Specification of Letters Patent. Patented June 26, 1906.

Application filed May 6, 1904. Serial No. 206,710.

To all whom it may concern:

Be it known that I, GEORGE S. ROMINGER, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Cask-Supports, of which the following is a specification.

The object of my invention is to provide a simple and efficient form of cask-support which is firmly braced and yet will readily adapt itself to any irregularity in the conformation of the cask.

In the accompanying drawings, Figure 1 is an end view of a cask-support constructed in accordance with my invention. Fig. 2 is a transverse section on the line *a a*, Fig. 1. Fig. 3 is an enlarged section of part of one of the supports, and Fig. 4 is a perspective view of one of the elements of each support.

1 represents a base-plate, or it may represent the floor of a room or apartment in which the cask is to be placed. Resting upon the base-plate or floor at the proper distance apart are a pair of standards 2, each with broad circular base-plate 3, providing a uniform bearing for the standard, and evenly distributing throughout the area covered by it the weight of the standard and its load.

Upon the outer face of each standard is formed a boss 4, and extending through an opening in each standard and from one standard to the other is a transverse tie-rod 5, threaded at each end for the reception of a nut 6, which bears upon the outer face of the boss 4 of the corresponding standard, whereby the two standards are firmly tied together, the tie-rod having sufficient strength to withstand any strain to which the standards may be subjected and which would tend to separate them.

The upper end 7 of each standard 2 constitutes a section of a sphere, and to this upper end of each standard is fitted a cup 8, constituting a section of a hollow sphere, this cup being secured to or forming part of a shoe 9, whose upper surface is curved so as to conform approximately to the circumference of the cask to be supported and is recessed for the reception of a cushion 10, of wood or other available material, upon which the cask rests, as shown by dotted lines in Fig. 1, the use of this cushion preventing wear upon the metallic shoe and the cushions being readily removed when they become worn. The ball-and-socket connection between the upper end of each standard 2 and the shoe 9 supported thereby permits each shoe to tip or tilt, so that it will conform to the circumference of the cask, as shown in Fig. 1, and will also adapt itself to the longitudinal taper of the cask, as shown in Fig. 2, and in order to retain each shoe in its proper position after it has adapted itself to the conformation of the cask I provide a bolt 11, passing transversely through an opening in the head of each standard and through a segmental slot 12, formed in each side of the cup 8 of each shoe 9, the bolt head or nut bearing upon the flat outer face of a washer 13, whose inner face is curved to accord with the curved face of the cup 8, as shown in Fig. 3. Hence after each shoe has properly adjusted itself to the conformation of the cask the tightening of the nuts upon the bolts 11 will serve to securely retain the shoes in this position. The transverse bolts also serve to prevent the detaching of the shoes from the standards, and thus preclude the possibility of displacing or losing said shoes.

Cask-supports such as I have shown and described are intended to be used near each end of the cask and, if desired, at such intermediate points as may need support, such intermediate supports being provided with shorter standards than those which are located nearer the ends of the cask, as is rendered necessary by the taper of the cask.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. As a new article of manufacture, a cask-support consisting of a standard having a supporting base portion and a spherically-formed upper end formed integral therewith, with a shoe adapted to engage a cask and provided with a socket for the reception of the spherical end of said standard, and a bolt connecting said shoe and said standard, said shoe having its upper surface recessed and having a cushion of relatively soft material in such recess, substantially as specified.

2. As a new article of manufacture, a cask-support consisting of a standard having a supporting base portion and a spherically-formed head portion, a shoe having a socket

fitted to said head portion, said socket being provided with two elongated and diametrically-opposed slots, with a bolt passing through said slots in the shoe and said head portion of the standard, said bolt filling the channel for its reception in the head, substantially as specified.

3. As a new article of manufacture, a cask-support consisting of a standard having a supporting base portion and a spherically-formed head, a shoe having a socket fitting said head and provided with diametrically-opposed vertically-extending slots in said socket, a bolt passing through the head and said slots, washers for the bolt concaved to fit the outside surface of the socket, and a nut or nuts on the bolt for holding said parts in position, substantially as specified.

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

GEO. S. ROMINGER.

Witnesses:
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JOS. H. KLEIN.