No. 694,266. Patented Feb. 25, 1902.

W. GRIESSER.

CASK SUPPORT.

(Application filed Aug. 29, 1901.)

(No Model.)

Fig. 1.

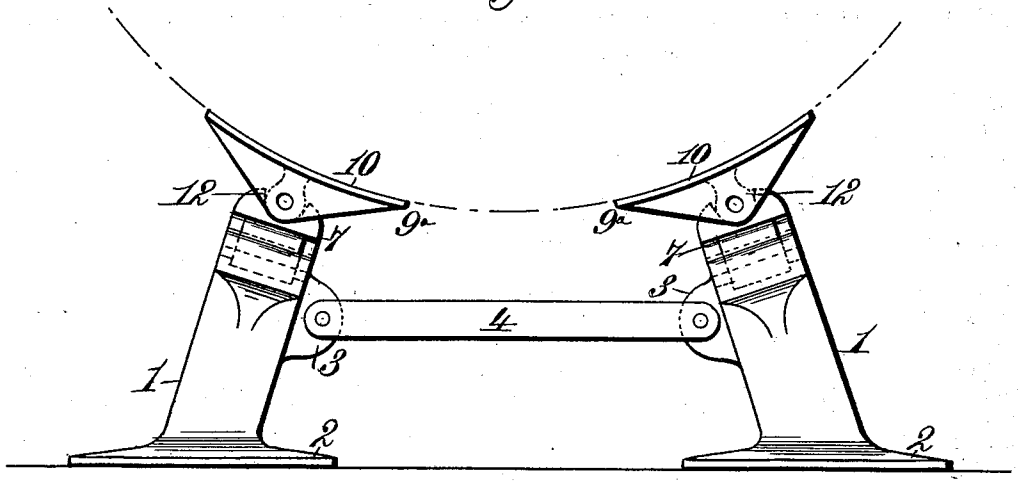


Fig. 2.

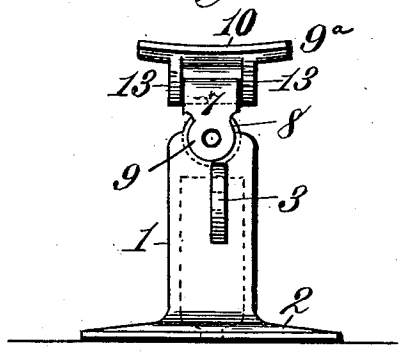


Fig. 3.

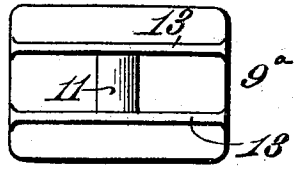


Fig. 4.

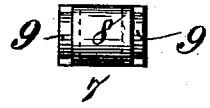
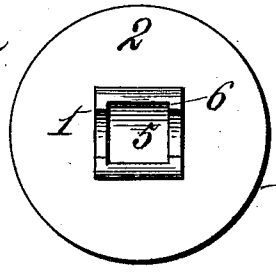


Fig. 5.



Witnesses.
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UNITED STATES PATENT OFFICE.

WILHELM GRIESSER, OF NEW YORK, N. Y.

CASK-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 694,266, dated February 25, 1902.

Application filed August 29, 1901. Serial No. 73,724. (No model.)

To all whom it may concern:

Be it known that I, WILHELM GRIESSER, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Cask-Supports, of which the following is a specification.

My invention relates to cask-supports designed especially for supporting casks of large and varying sizes, the object of the same being to provide means whereby the support will automatically adjust and adapt itself to variations in the longitudinal and lateral curvatures of the casks.

The invention consists in certain features and details of construction and combinations of parts, which will be more fully hereinafter explained.

In the drawings forming part of this specification, Figure 1 is an end view of a cask-support constructed in accordance with my invention. Fig. 2 is a side elevation of one of the standards and the parts mounted thereon. Fig. 3 is a bottom plan view of one of the saddles. Fig. 4 is a similar view of one of the pivoted sections, and Fig. 5 is a top plan view of one of the standards.

Like reference-numerals indicate like parts in the different views.

In carrying out my invention I employ two or more pairs of standards 1, one pair of said standards being provided for each end of the cask to be supported. Each of said standards is formed with a broad base 2 and has on one side thereof a lug or ear 3, by means of which the two members of each pair of standards may be connected together through a flat connecting rod or bar 4. The members of each pair of said standards are preferably inclined toward each other, as shown, and the upper end of each is provided with a transversely-extending socket 5, having inwardly-extending flanges 6 at its ends.

Mounted on each of the standards 1 is a section 7, having a cylindrical bearing-piece 8 upon its lower end, which fits and is adapted to move within the socket 5 in the standard 1. The ends of the bearing-piece 8 are contracted, as shown at 9, so as to fit within the flanges 6, whereas the intermediate portion of said bearing-piece is of substantially the same diameter as the main part of the socket 5. This construction provides for the ready-turning movement of the section 7 on the standard 1 without danger of the same becoming accidentally detached from said standard by reason of a movement of the same in the direction of the length of the bearing-piece 8.

Pivotally connected to the upper end of the section 7 on each of the standards 1 is a saddle 9^a, having a dished upper surface 10. Said saddle is provided on its under side with a cylindrical bearing-piece 11, which fits and is adapted to move within the socket 12 at the upper end of the section 7. The said socket 12 is located at right angles to the bearing-piece 8 and socket 5. It will thus be seen that the section 7 is capable of pivotal movement on the standard 1 and that the saddle 9^a is capable of pivotal movement at right angles thereto on the section 7. A universal connection is therefore provided between the saddle 9^a and the standard 1. At the ends of the bearing-piece 11 the saddle 9^a is formed with downwardly-extending parallel strengthening-ribs 13. Said ribs overlap the ends of the socket 12 and serve to prevent movement of the saddle 9^a in the direction of the length of the bearing-piece 11 independent of the section.

When in use, the cask to be supported rests at its opposite ends upon the two pairs of saddles 9^a. As these saddles are mounted for turning movement in one direction upon the sections 7 and for turning movement in a direction at right angles thereto on the pivotal connections between said sections 7 and the standards 1, it will be obvious that the said saddles will automatically adjust themselves to compensate for variations in the longitudinal and lateral curvatures of casks of various sizes which it may be desired to support thereon.

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

1. A cask-support, comprising two pairs of standards, each of the same having a transverse socket therein provided with inwardly-extending flanges at its ends, a saddle for each of said standards, and an intermediate section between each standard and the saddle thereon, the said section having a cylindrical bearing-piece thereon fitting within the

socket in said standard and provided with contracted ends to receive said flanges, so that it is capable of turning movement on said standard, and said saddle being pivoted to said section and capable of turning movement at right angles to the turning movement of said section on said standard.

2. A cask-support, comprising two pairs of standards, each of the same having a transverse socket therein provided with inwardly-extending flanges at its ends, a saddle for each of said standards, and an intermediate section between each standard and the saddle thereon, the said section having a cylindrical socket at its upper end and a cylindrical bearing-piece at its lower end at right angles thereto, the said bearing-piece fitting within the socket in said standard and provided with contracted ends to receive said flanges, and said saddle having a cylindrical bearing-piece on its under side fitting within the socket in said section, and having parallel ribs at the opposite ends of the socket-piece thereon overlapping and adapted to engage the ends of the socket on said section.

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

WILHELM GRIESSER.

Witnesses:
WM. M. STOCKBRIDGE,
GEO. W. REA.