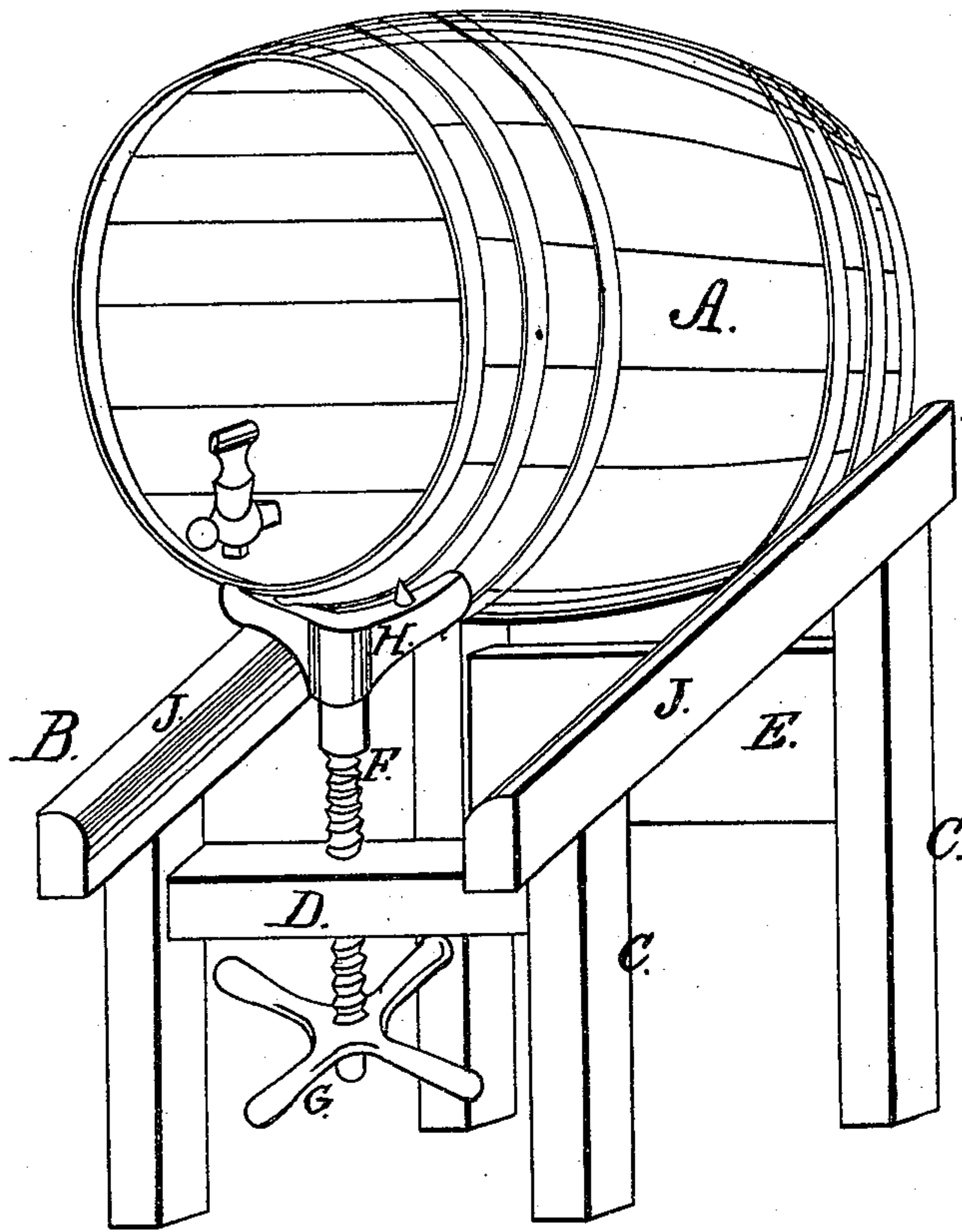


*J.C. Curran.*

*Tilting Barrels.*

*N<sup>o</sup> 93,180. Patented Aug. 3, 1869.*



*Witnesses,*

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*PER*

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# United States Patent Office.

JOHN C. CURRAN, OF PHILADELPHIA, PENNSYLVANIA.

*Letters Patent No. 93,180, dated August 3, 1869.*

## IMPROVEMENT IN DEVICE FOR TILTING BARRELS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, JOHN C. CURRAN, of Philadelphia, in the county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Tilting Barrels; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to an improvement in the mode of adjusting barrels or casks of ale, wine, or other liquids; and consists in a frame combined with a screw, arranged and operated as hereinafter described.

The accompanying drawing represents a perspective view of the arrangement, showing the barrel on the frame, and the method by which the adjustment is made.

A is the barrel or cask.

B represents the frame, which is made of wood, and consists of four posts, C, which are tied together by transverse rails in front and rear, marked D and E.

F represents the adjusting-screw, (which may be made of either wood or metal,) passing up through the piece D, in which it acts as in a nut.

G represents arms or hand-wheel for turning the screw.

H is a head-piece on the screw, in the upper curved side of which there are one or more points or spurs, for penetrating the bottom side of the cask, or entering holes therein.

The forward end of the barrel or cask rests upon the top of this head, the curve of which is designed to correspond with the circle of the barrel.

J represents the top pieces of the frame, between which and by which the back end of the barrel is supported.

It will be seen that the front end of the barrel is supported by the cross-piece D.

Arranged in this manner, it is apparent that the barrel can be lowered or raised, by turning the screw, so as to not in the least disturb the contents, thus keeping the beer, wine, or other liquid perfectly clear, and thereby avoiding much waste.

This frame may be extended in width, so as to accommodate any desired number of barrels, or barrels and casks of different sizes, the adjustment of each being made by a separate screw.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The arrangement and construction of the parts B, J, E, and C, with its screw F, head-supporter H, and points *h*, and hand-wheel G, in combination with the cask A, as shown and described.

JOHN C. CURRAN.

Witnesses:

CLARKE HAWKINS,

CHRISTOPHER NORRIS.