

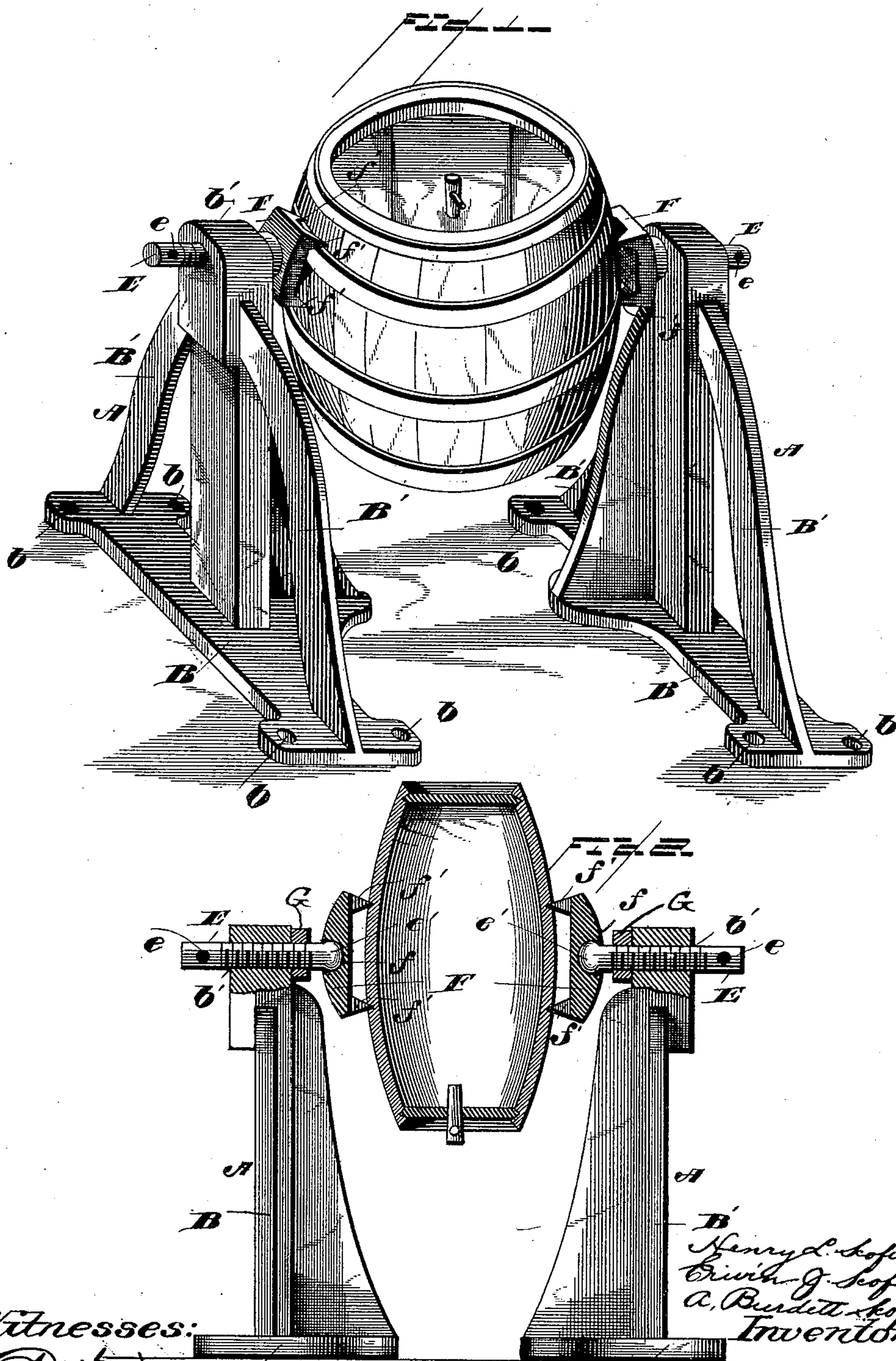
(No Model.)

H. L., E. J. & A. B. SCOFIELD.

BARREL SUPPORT.

No. 371,522.

Patented Oct. 11, 1887.



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UNITED STATES PATENT OFFICE.

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ANSTICE, BOTH OF SAME PLACE.

BARREL-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 371,522, dated October 11, 1887.

Application filed February 9, 1887. Serial No. 237,089. (No model.)

To all whom it may concern:

Be it known that we, HENRY L. SCOFIELD, ERWIN J. SCOFIELD, and A. BURDETT SCOFIELD, citizens of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Barrel-Supports, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to improvements in barrel-holders; and it consists of the peculiar combination of devices and novel construction and arrangement of the various parts for service, substantially as hereinafter fully described, and particularly pointed out in the claims.

The primary object of our invention is to provide a barrel-holder for sustaining a barrel of ink or other liquid in a suspended condition, and which will permit the barrel to be rotated so as to stir up or agitate the contents thereof without danger of releasing the barrel, which would tend to destroy the same and permit the contents thereof to become wasted.

A further object of our invention is to provide a barrel-holder with clamping mechanism which can be readily adjusted to permit the barrel to be removed and adjusted to barrels of different diameters, and which can be rotated without withdrawing the clamp proper from the barrel.

In the accompanying drawings, which illustrate a barrel-holder embodying our invention, Figure 1 is a perspective view, and Fig. 2 is a vertical sectional view taken longitudinally through the clamping or binding screws on the line *xx* of Fig. 1.

Referring to the drawings, in which like letters of reference denote corresponding parts in all the figures, A designates suitable vertical standards, which are cast integral with horizontal base-plates B, and are braced by intermediate ribs, B', two of which are provided for each standard. This vertical standard, its base-plate, and the strengthening-ribs are all cast or formed in a single piece of metal, and the base-plate is provided with vertical apertures *b* at suitable points, through which

are passed suitable screws, which serve to secure the standard very rigidly and firmly to the floor. One of the strengthening-ribs is arranged on each side of the vertical standard to brace the latter against lateral strain, and these ribs are arranged in an inclined position between the outer ends of the horizontal base-plate B and the upper end of the standard A. These standards, of which a pair are provided for each holder embodying our invention, are each provided at their upper ends with transverse threaded openings *b'*, and these standards are affixed to the floor or other place in such a manner that they align with one another.

E designates the binding-screws, one of which is fitted in each of the threaded openings in one of the vertical standards. These screws are arranged in line with each other, and are free to be rotated or turned toward or away from each other. The outer end of each binding-screw is provided with a handle; or it may have a transverse opening, as *e*, through which a suitable implement may be passed to turn the same, and the inner end of each screw is provided with a flange or head, *e'*, which is slightly larger than the diameter of the screw. The head of each screw is snugly fitted in an enlarged opening or socket, *f*, which is formed in the rear side of a clamp, F, one of which is provided for each screw.

The binding-screw is swiveled to the clamp so that the screw can be turned or rotated in its bearing without affecting or rotating the clamp itself when it is engaged with the barrel or other object between the clamps, while at the same time the clamp will be carried with the screw, so as to be adjusted back and forth therewith, and thereby released from and engaged with the barrel, &c.

The inner opposing faces of the clamps F are provided with sharpened teeth or spurs *f'*, which project beyond the body of the clamp, so as to take into the barrel or other object and effectually prevent the same from slipping after they have been pressed into the barrel.

The screws E are exteriorly threaded in opposite directions; or, in other words, one screw has a right-hand thread and the other a

left-hand thread, as shown very clearly in Fig. 2 of the drawings, and on these screws are fitted binding-nuts G, which are adapted to impinge against the inner opposing sides of the standards, or the bearings therein, as seen in Fig. 2, to prevent the screws from rotating with the cask or barrel after the screws and clamps have been adjusted to the cask or barrel to suspend the latter.

The operation of our invention is obvious. The barrel or other object to be suspended in the holder of our invention is first held in an elevated position off the floor upon a block or other suitable support, after which the screws are turned or rotated so as to adjust them toward the barrel or other object, the screws being turned until the teeth or spurs of the clamps are forced or pressed into the barrel, after which the support is removed, so that the barrel is wholly suspended from and between the clamps. The contents of the barrel or cask is liable to become settled therein from long standing, and to obviate this result we have provided an improved holder, wherein the barrel can be readily rotated or revolved without danger of the barrel falling to the floor, and the contents can by the rotation of the barrel be agitated. The barrel can be readily turned by hand and the clamps rotate or turn therewith and without affecting the screws, so that the latter are not rotated, the effect of which would be to release the clamps and allow the barrel or cask to fall.

The adjusting-screws can be moved toward or from each other at will to center the barrel or cask between the standards, and thus prevent either side of the barrel from striking either of the standards while the barrel is being rotated or turned, as is obvious.

The barrel can be easily and readily connected to the clamps, is firmly and securely held or retained therein, and can be readily rotated to agitate the contents thereof without withdrawing the clamps from the barrel.

Our invention is simple, strong and durable in construction, effective and reliable in operation, and comparatively cheap of manufacture.

Slight changes in the form and proportion of parts and details of construction can be made without departing from the spirit or sacrificing the advantages of our invention.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a barrel-support, the combination of suitable standards, each having a threaded bearing, the binding-screws E, supported in said bearings and adjustable independently therein toward and from each other, swiveled clamps on the inner approximate ends of the screws, and an adjustable device connected to each screw for preventing the same from turning in their bearings when the clamps and the barrel between the latter are rotated, substantially as and for the purpose set forth.

2. In a barrel-support, the combination of suitable fixed standards having threaded bearings, the right and left hand threaded binding-screws supported in the bearings and adjustable therein toward and from each other, the clamps swiveled on the inner approximate ends of the screws, and nuts G, fitted on the screws to prevent the same from turning when the clamps and the cask supported thereby are rotated, substantially as and for the purpose set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

HENRY L. SCOFIELD.
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A. BURDETT SCOFIELD.

Witnesses:

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