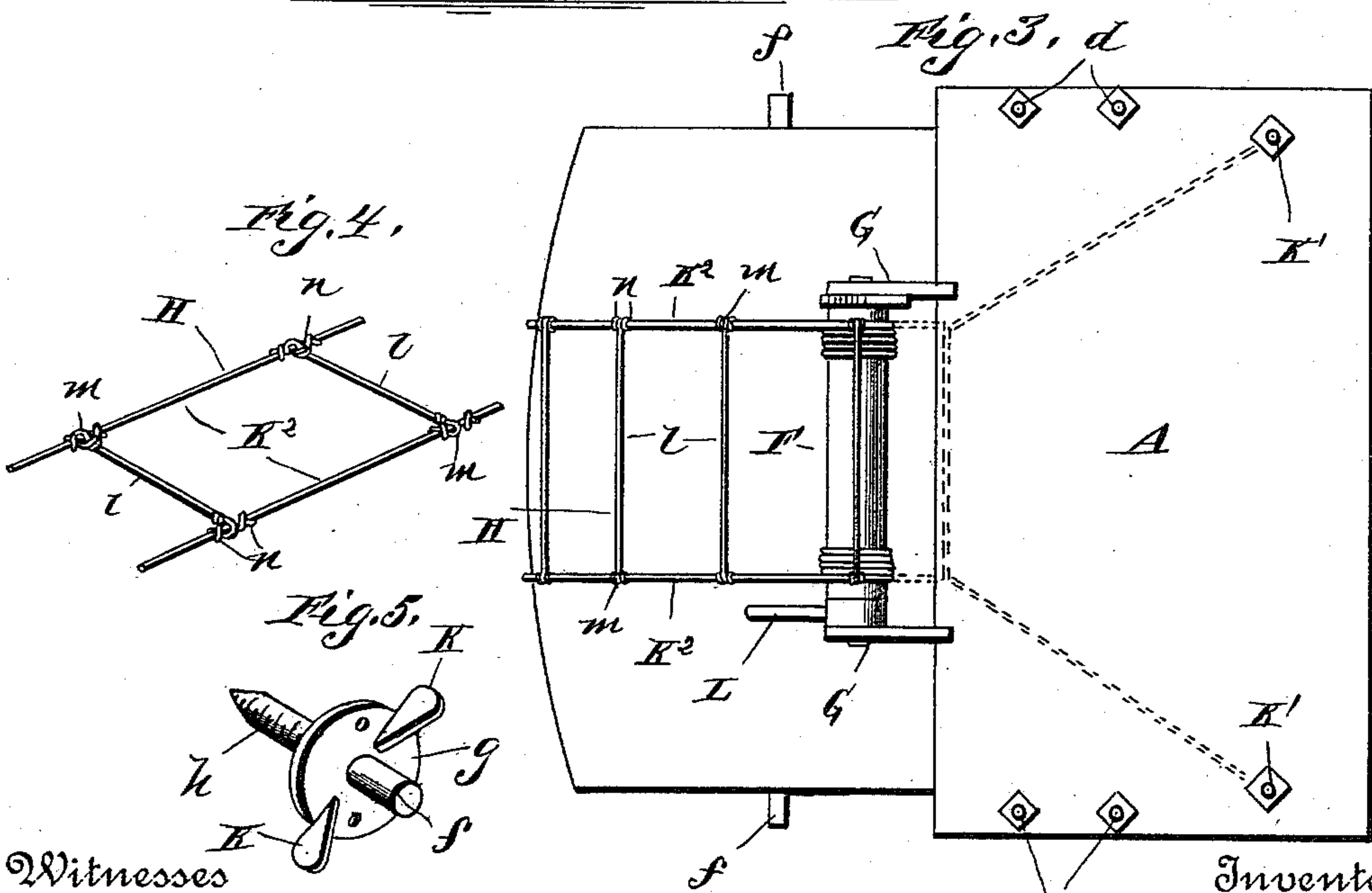
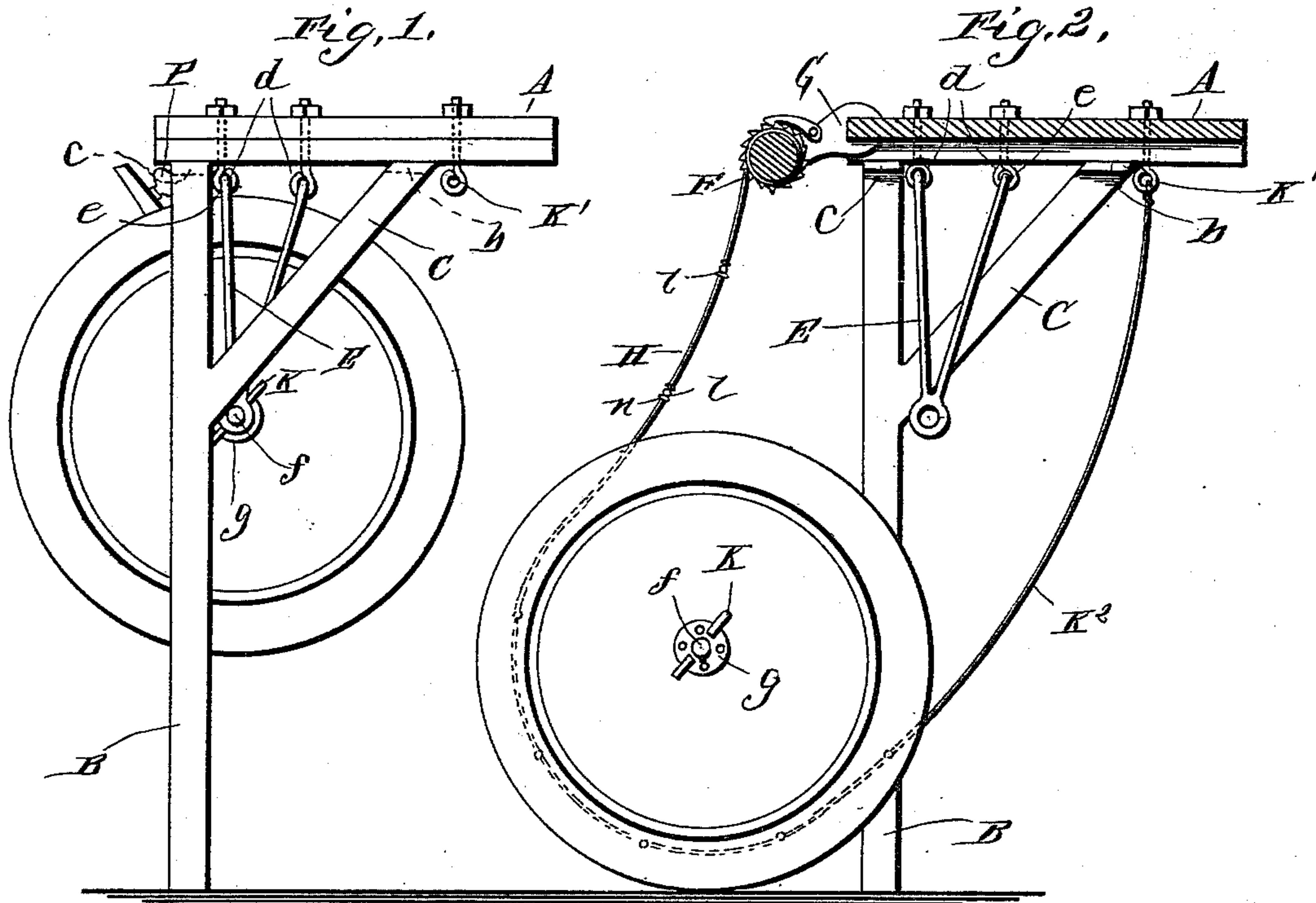


(No Model.)

S. R. MACE.
BARREL STAND.

No. 420,306.

Patented Jan. 28, 1890.



Witnesses
C. L. Taylor
Phillips.

By his Attorney

E. W. Anderson.

UNITED STATES PATENT OFFICE.

STEWART R. MACE, OF MOULTON, IOWA.

BARREL-STAND.

SPECIFICATION forming part of Letters Patent No. 420,306, dated January 28, 1890.

Application filed August 31, 1889. Serial No. 322,526. (No model.)

To all whom it may concern:

Be it known that I, STEWART R. MACE, a citizen of the United States, residing at Moulton, in the county of Appanoose and State of Iowa, have invented certain new and useful Improvements in Barrel-Stands; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a side elevation. Fig. 2 is a vertical section. Fig. 3 is a top plan view, and Figs. 4 and 5 are detail views.

This invention has relation to improvements upon the devices shown and described in Letters Patent No. 371,335, dated October 11, 1887; and it consists in the novel construction and combination of parts, as hereinafter set forth, and pointed out in the appended claims.

In the accompanying drawings, the letter A designates a shelf having the supports B, provided with the braces C. The shelf is high enough to allow a barrel to be hoisted from the floor under it, and the supports are sufficiently far apart to permit the barrel to be rolled between them. The supports and braces are preferably of iron, and have flanged upper ends *b* and *c* for attachment to the sides of the shelf. Through the side edges of the shelf are secured the under hooks *d*, which project downward a short distance and serve to receive the hook ends *e* of the V-formed hanger E, in which the barrel when hoisted is slung, its pivots *f* resting in the rounded angle-bearings of the hanger.

The barrel is prepared for slinging by the attachment thereto of the pivots *f*. Each pivot consists of a broad plate *g*, having a central screw *h*, which is designed to be turned into the end of the barrel a little out of center, and to facilitate fastening the screw the plate *g* is provided with the opposite turning-lugs K on its outer surface. The plate forms a brace for the screw and prevents it from bending under the weight of the barrel.

It also protects the barrel end from abrasion by the hanger. The jointing of the hanger at the suspending-hooks under the shelf gives sufficient play to allow the empty barrel to be easily disengaged when lifted up for removal. The hanger being V-formed, or having oblique branches, is braced in front and rear, so that the barrel slung therein is held steady and prevented from swinging back and forth.

The hoisting device F consists of a windlass, the end brackets G of which can be engaged with the front of the shelf, the parallel sling H, and the rear hooks K' of the shelf. The windlass is provided with a ratchet and pawls to prevent back slip when the windlass is being turned to raise the barrel in the ropes.

L represents the lever of the windlass, which extends downward normally, it being designed to be pulled upward in the working, in order to obtain sufficient purchase with the efficiency of a lifting movement.

The hoisting-sling H consists of the parallel ropes K² K², which are connected by the transverse wire braces *l*, which hold the ropes at the proper distance apart and prevent them from slipping off the barrel. The wire braces have loop ends *m*, extending around the ropes between the knots or stops *n n*, forming a swivel-connection, which allows the ropes to turn freely in the loop ends of the wires and avoid all liability of twisting.

The faucet is inserted in the light side of the barrel, which is also provided with a stop-handle P, whereby the barrel can be turned down when any of the contents are to be drawn off.

In operating this device the barrel is raised by means of the sling and windlass until it is high enough to bring its pivots opposite the bearings of the hangers, which are then engaged therewith. The sling is then removed from the barrel.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with a supporting-shelf and its under hooks at each side attached thereto, the V-formed hangers having hook

ends, and the brace-plate screw-pivots at the ends, of the barrel to engage the hangers, substantially as specified.

2. The combination, with the supporting-
5 shelf and its under hooks, of the V-formed hangers having hook ends to engage said hooks, the windlass mounted on said supporting-shelf, and the parallel rope hoisting-

sling having the swiveled transverse wire braces, substantially as specified. 10

In testimony whereof I affix my signature in presence of two witnesses.

STEWART R. MACE.

Witnesses:

WM. MARSHALL,
A. S. DOWNS.