

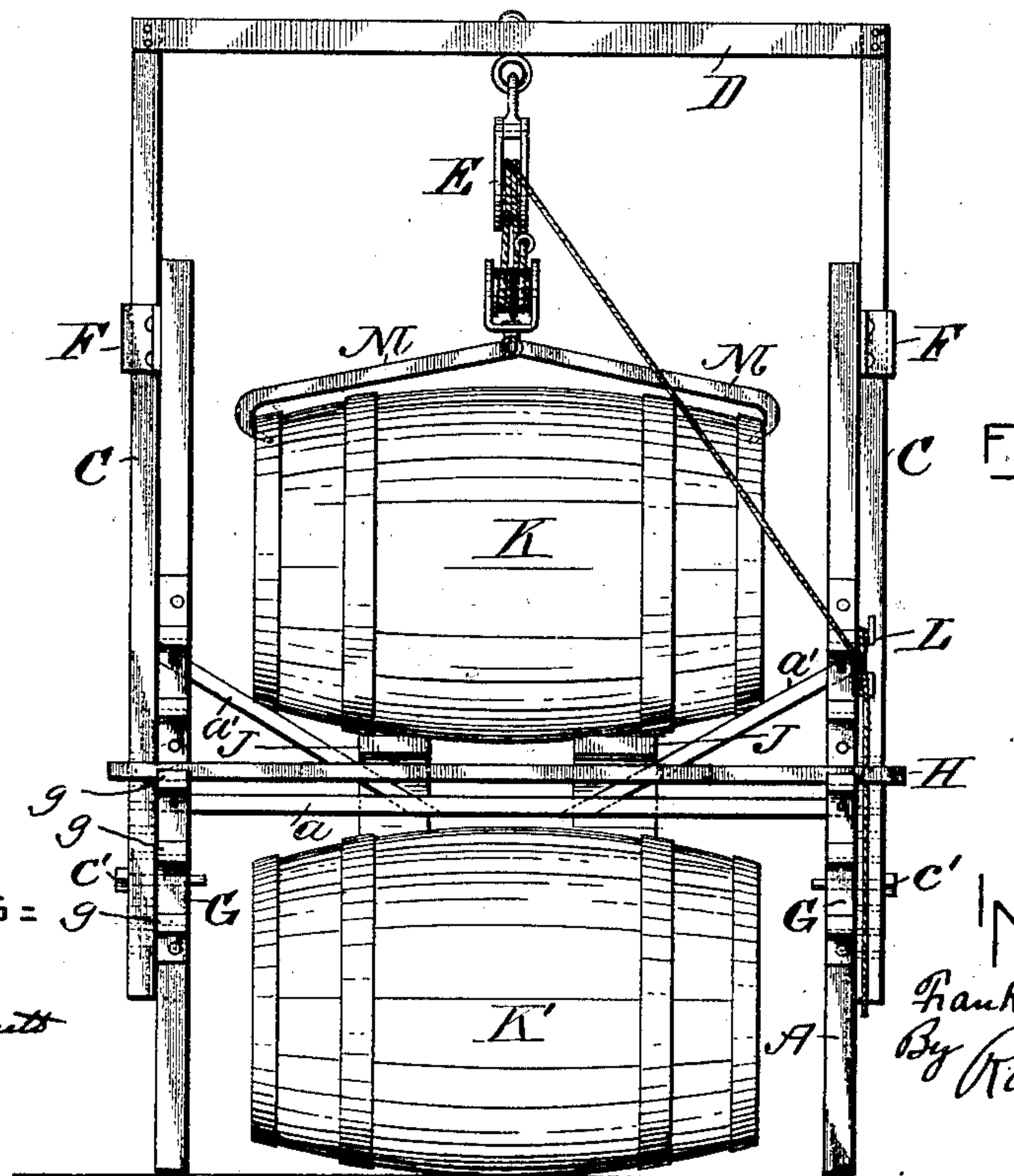
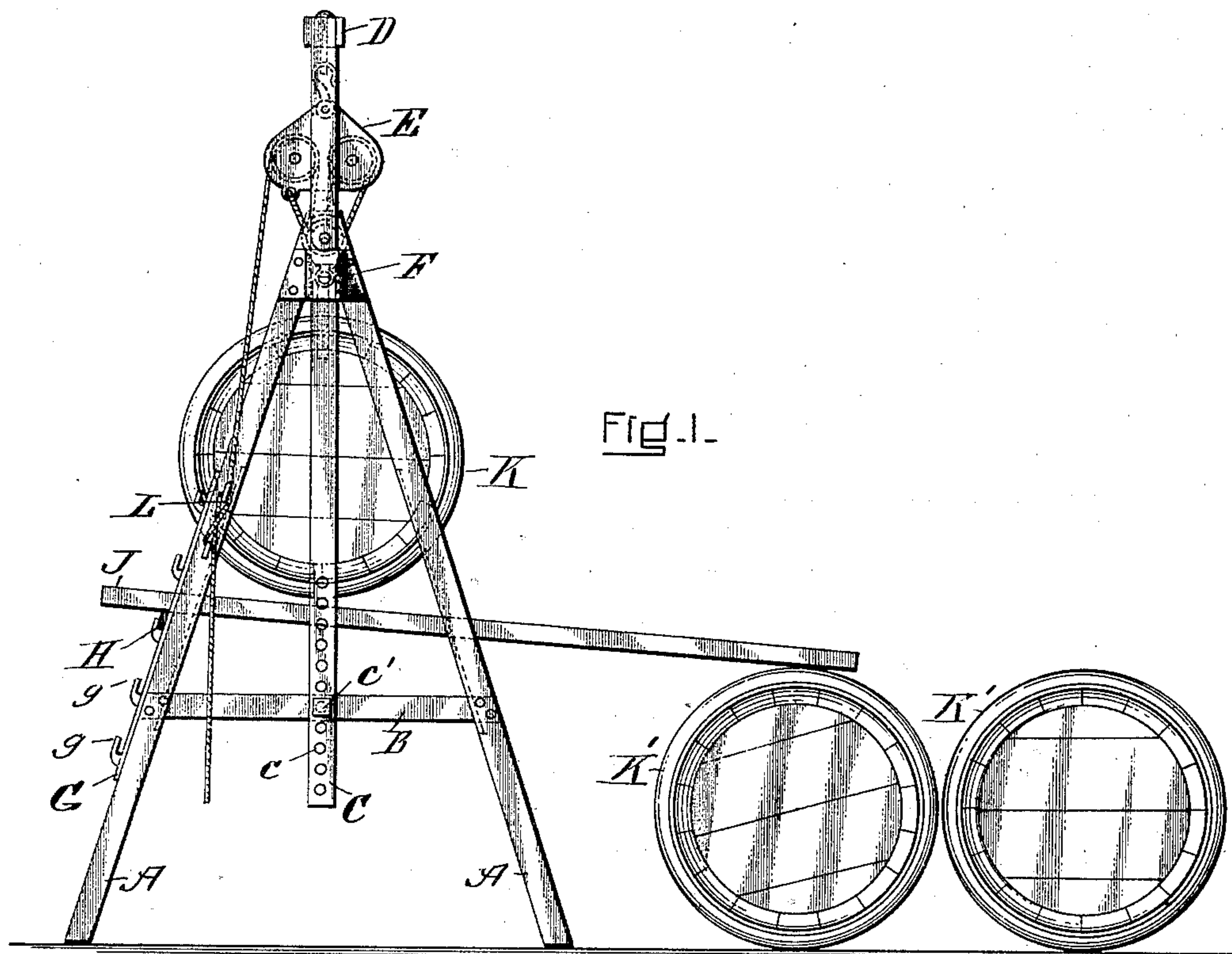
No. 692,206.

Patented Jan. 28, 1902.

F. L. LUMBERT.
CASK HANDLING DEVICE.

(Application filed Apr. 6, 1901.)

(No Model.)



WITNESSES:
E. Folsom
Frank S. Hartnett

INVENTOR=
Frank Lincoln Lumbert,
By Roberts & Cushman,
attorneys.

UNITED STATES PATENT OFFICE.

FRANK LINCOLN LUMBERT, OF EVERETT, MASSACHUSETTS.

CASK-HANDLING DEVICE.

SPECIFICATION forming part of Letters Patent No. 692,206, dated January 28, 1902.

Application filed April 6, 1901. Serial No. 54,601. (No model.)

To all whom it may concern:

Be it known that I, FRANK LINCOLN LUMBERT, a citizen of the United States, residing in Everett, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Cask-Handling Devices, of which the following is a specification.

My invention consists in a simple and effective device for handling casks and like heavy articles wherewith they may be piled in tiers or taken from tiers with a minimum of trouble and effort. Two men with my cask-handling device can do the work which requires four ordinarily and do it more quickly, with less effort, and far less liability to accident or damage.

In the drawings hereto annexed, Figure 1 is a side elevation, and Fig. 2 an end view, of a cask-handling device which embodies my invention.

Two A-frames, consisting of side bars A A and cross-bars B, are braced together by braces a and angle-braces a', Fig. 2. The upper ends of the side bars A are joined by clips F, which are formed in such manner as to serve as bearings for the uprights C C, which are joined at the top by the beam D, so that the uprights C C and beam D constitute a gallows-frame vertically movable in the bearing-clips F. The cross-bars B are provided with holes in the middle of each, which register with rows of holes c in the uprights C. A bolt c' on either side secures the gallows-frame at any desired height by being passed through one of the holes c and the hole in the cross-bar B.

Rack-plates G, secured to one of the side bars A on either frame, have teeth or ledges g, upon which the skid-bar H may be laid at any desired height. A hoisting-tackle E is secured to the cross-beam D, and a cleat L, secured to one of the side bars A, serves to secure the hoisting-rope when needed. If it is desired to pile casks on the second or a higher row in a tier, the handling device is placed at the end of the pile of casks, as in Fig. 1,

wherein K' K' are casks in the lower row or tier. A cask K is then rolled between the side frames of the hoisting device, the gallows-frame C D is adjusted at a convenient height, the hooks M are secured to the cask in the usual manner, and the cask K hoisted to the position shown in Figs. 1 and 2. Then the skid-bar H is laid on the teeth or ledges g at a proper height and skids J are run under the cask, resting at one end on the skid-bar H and at the other on a cask K'. Then the cask K is lowered until it rests on the skids J, the hooks M are released, and the cask K rolls to the desired position. By the same means a cask may be rolled from a tier, lifted from the skids, which are then removed, and lowered to the floor. One man can handle heavy casks with surprising facility, while two men are by the aid of this device enabled to handle easily any casks which they are able to hoist by means of the tackle E. By providing uprights C of different lengths the same frame may be adapted to handle casks in tiers of any height.

What I claim, and desire to secure by Letters Patent, is—

1. In a cask-handling device, the combination of a supporting-frame, an extension hoisting-frame vertically adjustable thereon, ledges on the supporting-frame, adapted to sustain a skid-bar, and means for hoisting and lowering casks and the like, substantially as described.

2. In a cask-handling device, the combination of a pair of braced A-frames, a gallows-frame vertically adjustable on the A-frames, racks on the A-frames adapted to support a skid-bar, and means for hoisting and lowering casks and the like, substantially as described.

Signed by me at Boston, Massachusetts, this 3d day of April, 1901.

FRANK LINCOLN LUMBERT.

Witnesses:

ROBERT CUSHMAN,
FRANK S. HARTNETT.