(No Model.) 2 Sheets—Sheet 1.

D. L. BERRY & J. WHEELER.

BARREL RACK.

No. 430,562. Patented June 17, 1890.

Fig. 1.

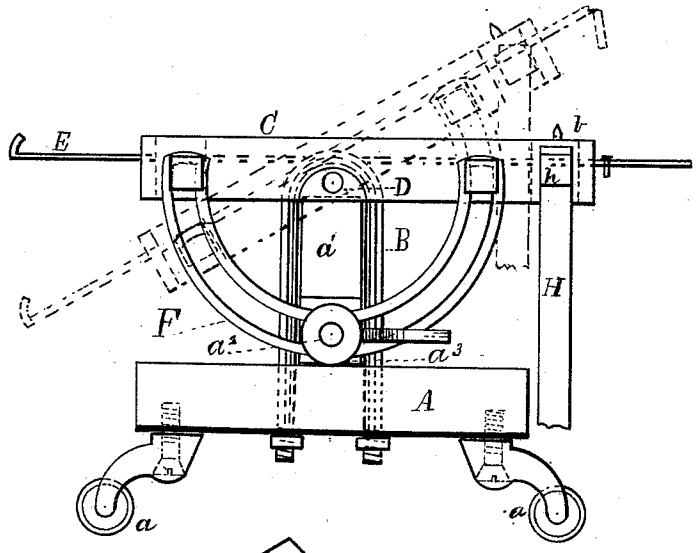
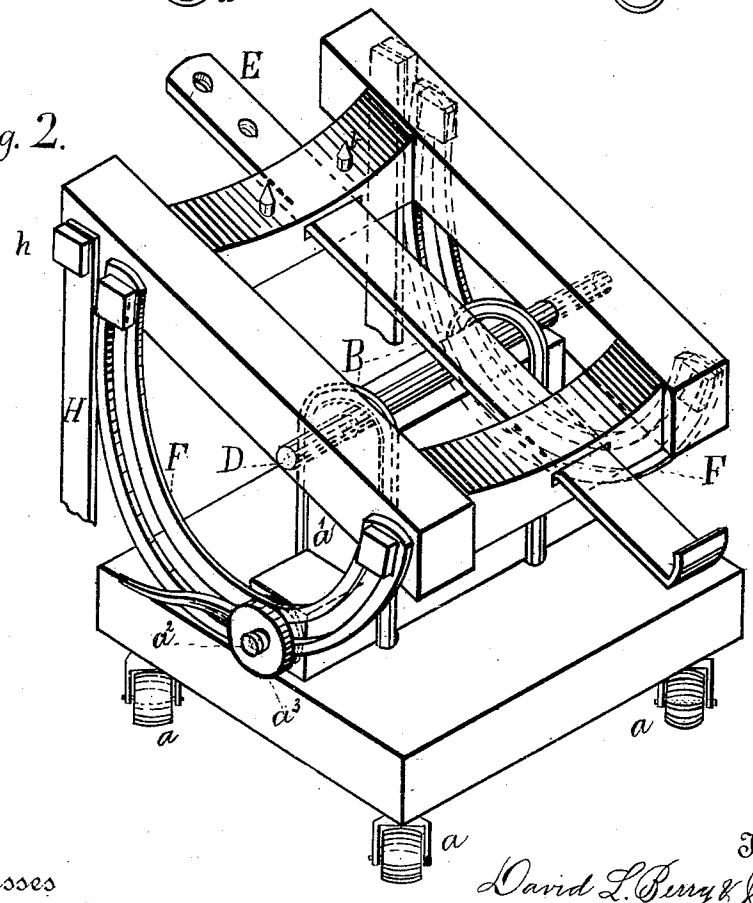


Fig. 2.



Witnesses
Wm. Hunter Myers.
J. K. Newman.

Inventor
David L. Berry & Jesse Wheeler
C. H. Watson & Co
Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

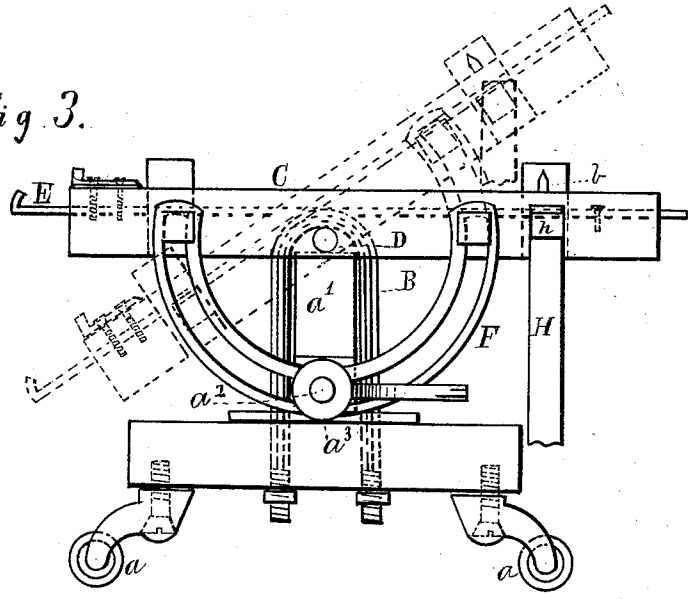
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Fig. 3.



Witnesses
W. Hunter Myers.
J. K. Newman.

Inventor
David L. Berry & Jesse Wheeler
C. H. Watson & Co.
Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

DAVID L. BERRY, OF HOUSTONIA, AND JESSE WHEELER, OF SWEET SPRINGS, ASSIGNORS OF ONE-THIRD TO HIRAM M. LOCKET, OF HOUSTONIA, MISSOURI.

BARREL-RACK.

SPECIFICATION forming part of Letters Patent No. 430,562, dated June 17, 1890.

Application filed February 27, 1890. Serial No. 342,032. (No model.)

To all whom it may concern:

Be it known that we, DAVID L. BERRY, of Houstonia, Pettis county, State of Missouri, and JESSE WHEELER, of Sweet Springs, Saline county, State of Missouri, both citizens of the United States, have invented certain new and useful Improvements in Barrel-Racks; and we do hereby 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.

Our invention relates to an improvement in barrel-racks or trucks for molasses, vinegar, and oil barrels, or for any kind of a barrel in which the contents of the same renders the barrel heavy and its handling difficult; and the object of our improvement is to provide a hinged barrel rack or truck that is portable, can be handled with ease, and set level or on an incline with a view of placing the barrel upon the same easily and also of draining the barrel when contents have become low or the barrel empty. We attain said object by a certain combination and arrangement of parts, fully described in this specification and illustrated in the accompanying drawings, in which—

Figure 1 is a side view in elevation of our invention. Fig. 2 is a perspective view of our invention with the rack inclined, showing the position the same assumes when it is desired to place a barrel upon it or to drain the contents of a barrel when nearly empty. Fig. 3 is a modification of our invention.

A designates the frame or base upon which the barrel-rack proper is hinged. Said frame is provided with suitable rollers *a* and an upright piece *a'*; but we do not confine ourselves exclusively to any special frame. The upright piece *a'* is secured to the frame A by means of two pieces of iron B, which are staple-shaped. Said pieces of iron are constructed so as to fit closely over the rod D, and the upright piece *a'* and the lower ends thereof pass through the frame A and are securely fastened underneath of said frame. This feature is especially important and valuable, first, because it makes the upright piece *a'* very strong and substantial; second, it affords a means of constructing a hinge, which will be hereinafter described, that is very strong and durable. The ends of the barrel-support C are slightly curved upon the top for the purpose of being adapted to the shape of the barrel. In these curves one or more spurs *b* are placed, which slightly penetrate the barrel and hold it rigidly in position.

Across the center of the sides of the barrel-support C there is an iron rod D, which has its bearings in the lower part of the sides of said support. This rod passes through the curved portion of the pieces of staple-shaped iron B, which, as heretofore described, projects above the upright piece *a'*. It will readily be observed that such being the case a hinge is made whereby there is a combination of the frame A and the support C, by means of which the support may be made to assume a level or inclined position for the purpose heretofore set forth.

E represents a piece of iron or lever, which passes through the orifices in the middle of the two end pieces of the support C. Said lever or piece of iron is shaped at one end into a hook, which engages the chine of the barrel and prevents the barrel from sliding on the support. The lever is also provided with several holes near the other end, through which a pin may be inserted to adjust said rod to properly engage barrels of different lengths. This lever can be slid in and out, so that the lever can be lengthened or shortened, with a view of operating the barrel-support.

F designates the semicircular pieces of iron, which are secured to the barrel-support in any suitable way near the ends thereof, and they are constructed with a slot through which projects the bolt a^2. This bolt is provided with a washer and screw-tap or set-screw a^3, by means of which the curved iron F can be secured, so that it is impossible for the barrel-support C to oscillate or revolve upon its hinge. This is accomplished by simply tightening the screw-tap or set-screw a^3. It will further be seen that by the aid of the curved slotted iron F and its attachments the barrel-support can be made to assume

and retain a parallel or any inclined position or angle whatsoever to the base or frame A. H represents a piece of iron, which is secured to the support C by means of the bolt *h*. It increases the rigidness of said support when loaded with a heavy barrel. It may also be set at any desired angle with the support C, thus permitting the support to be lowered.

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

1. In a portable hinged barrel-rack, the combination of a suitable frame upon rollers, the barrel-support attached to the top of said frame, having the irons for engaging the chine of the barrel, the staples securing the base and support together, the semicircular slotted irons secured to the sides of said support, and devices for clamping said slotted irons in a fixed position, all substantially as described, and for the purpose set forth.

2. In a portable hinged barrel-rack, the combination of a frame upon rollers having the upright piece *a'* with the barrel-support connected thereto by means of the hinge formed by the staple-shaped iron B, and the rod D, substantially as described and set forth.

3. In a portable hinged barrel rack or truck, the combination of the base or frame A, the rod D, having its bearings in the support C, the support C, hinged upon the frame A, the staples B, the semicircular slotted irons F, secured to the sides of the support C, the iron H, and the lever E, passing through the orifices in the middle of the end pieces of the support C, substantially as described and set forth.

4. In a portable hinged barrel rack or truck, the combination of the base having rollers and an upright piece, the support C, hinged upon the top of said upright piece, the rod D, having bearings in the support and located upon the top of the upright piece *a'*, the staples B, securing the base and the support together, the semicircular slotted irons F, secured to the sides of the support C, the iron H, fastened to the end of the support C, and the lever E, passing through the orifices in the middle of the end pieces of the support C, substantially as described, and for the purpose set forth.

5. In a portable hinged barrel rack or truck, the combination of the base having rollers and an upright piece, the supports C, hinged upon the top of said upright piece, the rod D, having bearings in the support and located upon the top of the upright piece *a'*, the staples B, securing the base and the support together, and the semicircular slotted iron F, secured to the sides of the support C, substantially as described, and for the purpose set forth.

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

DAVID L. BERRY.
JESSE WHEELER.

Witnesses:
HENRY CHASTAIN,
W. D. ARMSTRONG.