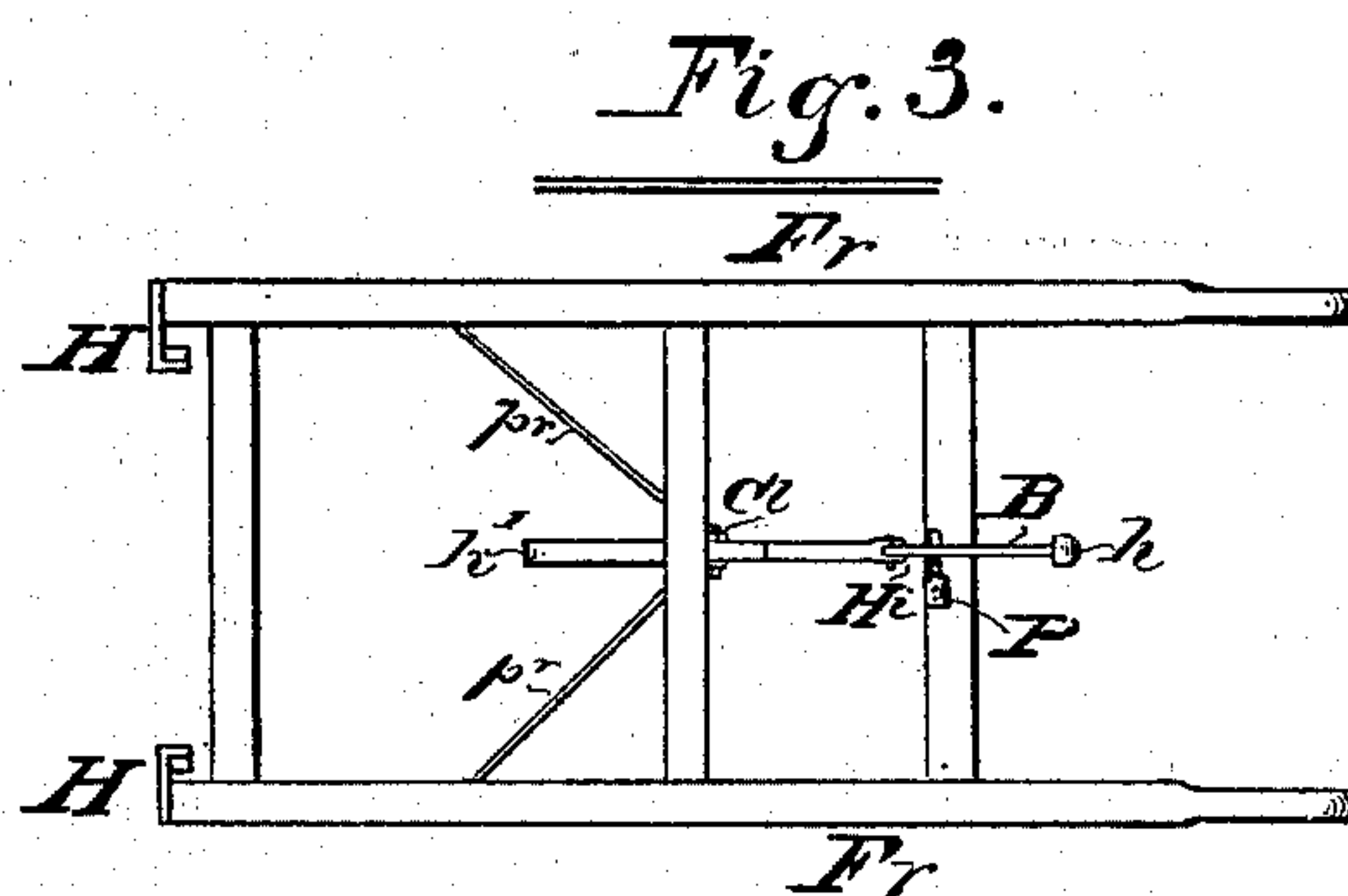
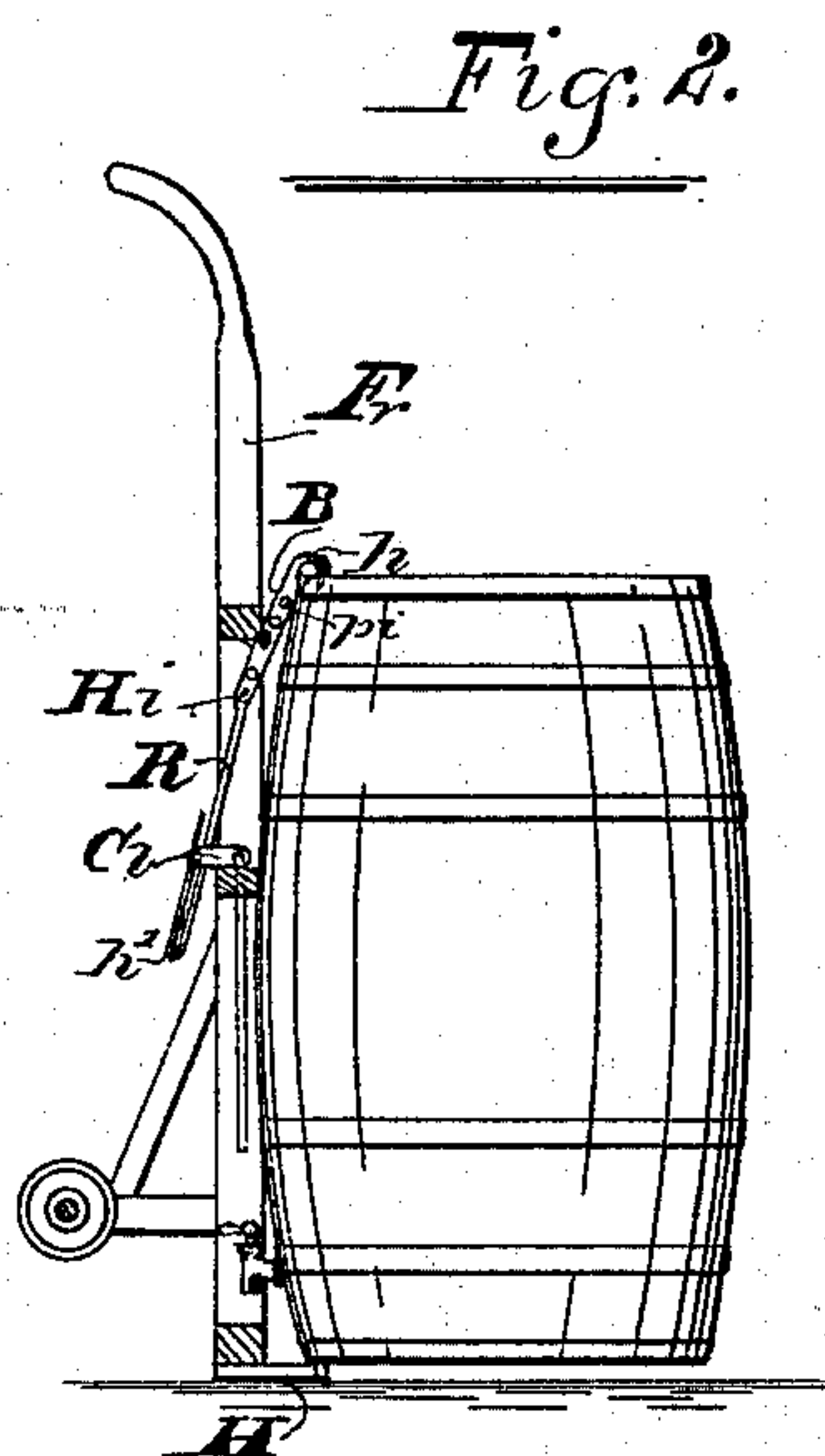
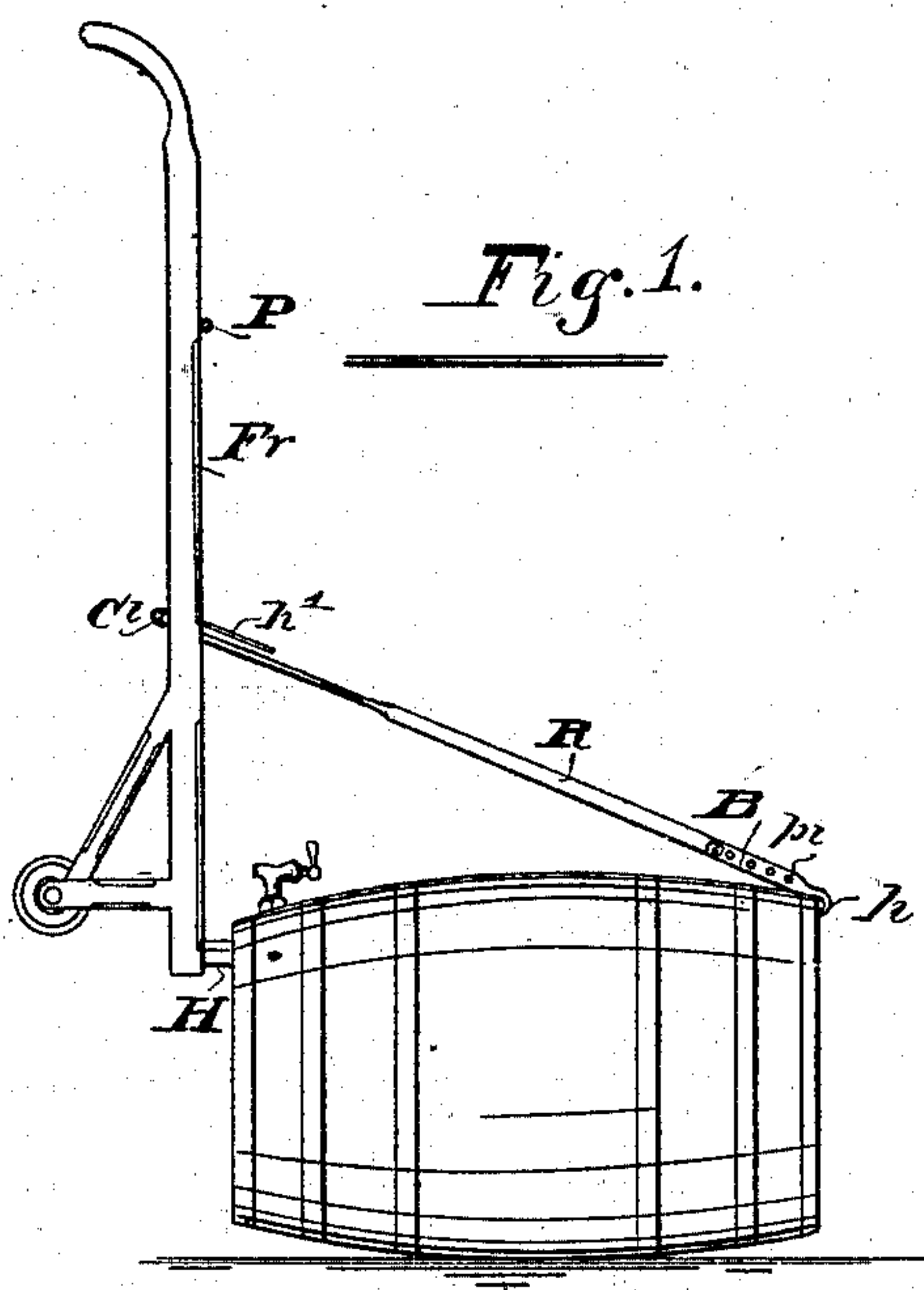


(No Model.)

W. MACK.
BARREL HOIST.

No. 278,570.

Patented May 29, 1883.



WITNESSES.

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UNITED STATES PATENT OFFICE.

WILLIAM MACK, OF INDIANAPOLIS, INDIANA.

BARREL-HOIST.

SPECIFICATION forming part of Letters Patent No. 278,570, dated May 29, 1883.

Application filed February 27, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM MACK, of the city of Indianapolis, county of Marion, and State of Indiana, have invented certain new and useful Improvements in Hoists for Barrels, of which the following is a correct specification.

My invention relates to improvements in hoists for sirup, whisky, lard, and vinegar barrels, in which the advantages of an ordinary truck are combined with mechanical arrangement for hoisting the same to convenient positions for drawing their contents.

The object of my invention is to provide a device for lifting heavy barrels, conveying them to any desired point, and hoisting them to elevated stands prepared to receive them. I accomplish these objects by means of the mechanism illustrated in the accompanying drawings filed herewith and made a part of these specifications, and in which similar letters of reference relate to similar parts of my invention in the various figures.

Figure 1 represents my device grasping a barrel after the faucet has been fitted into it and it is ready to be placed in the required position, in which the barrel is represented as lying down and my device attached to it, ready to lift the barrel to an upright position. Fig. 2 represents the barrel and the hoist in position for lifting the same, in order that the barrel may be conveyed to the desired place. Fig. 3 represents a plan view of my device, showing the arrangement for hoisting folded out of the way when not in use and the hoist converted into an ordinary truck.

In Fig. 1, *Fr* is the frame of an ordinary truck, supplied with hooks *H* to grasp the lower chine of the barrel, an adjustable rod, *R*, long hook *h'*, sliding or moving in clip *Cl*, and a bar, *B*, having a hinge, *Hi*, pin-holes *pi*, and hook *h* to grasp the upper chine of the barrel.

Fig. 3 shows the frame of the truck *Fr* with bracing-rods *Br*, attached permanently to the frame *Fr*, and which passing through the lower cross-piece, firmly hold the clip *Cl*, through which clip the hooked rod *R* is allowed to play. The rod *R* is supplied with hinge *Hi* to connect with bar *B*, (see Figs. 1 and 2,) and

hooked pin *P*, which is firmly attached to the upper cross-piece of the truck.

The method of operating my device is as follows: The hooks *H* being fastened or hooked over the bottom chine of the barrel, and the hooks *h' h* caught over the top chine of the barrel, as shown in Fig. 1, it will be readily seen that by pulling on the handles of the truck the barrel is brought to an upright position with the greatest ease, when by lifting on the handles of the truck the long hook *h'* slides down through the clip *Cl* till the frame of the truck touches the barrel, when one of the holes in the bar *B* passes onto the pin *P*, and thus firmly clamps the barrel, as shown in Fig. 2, when by pressing or pulling on the handles of the truck the barrel is lifted free from the ground, and can then be conveyed to any desired point, and set by one man with ease on the rack from which its contents are to be drawn, thereby enabling one man to accomplish the work usually requiring three or more.

The whole of my device may be made of any proper material, and the manner of construction need not be limited to the methods described. For instance, notches may be substituted for pin-holes *pi* and a catch for pin *P*, and any other minor changes which will not materially change the working of my machine nor interfere with the objects above named.

Having thus fully described my invention, its purposes and uses, what I claim as new, and desire to secure by Letters Patent, is—

In a hoist for lifting barrels and placing them on rack where their contents can be drawn, a bar, *B*, with hook *h*, and pin-holes *pi*, hinged to a hooked rod, *R*, moving in a clip, *Cl*, in combination with frame *Fr*, provided with hooks *H*, bracing-rod *pr*, clip *Cl*, and hooked pin *P*, substantially in the manner and for the purpose set forth.

In witness whereof I have hereunto set my hand, at Indianapolis, Indiana, this 6th day of February, A. D. 1883.

WILLIAM MACK.

In presence of—

B. STOKELY,
HARMON J. EVERETT.