M. MATTHIASEN.

CASK HANDLER.

APPLICATION FILED MAR. 30, 1920.

1,406,052. **Patented Feb. 7, 1922.**

Fig. 2

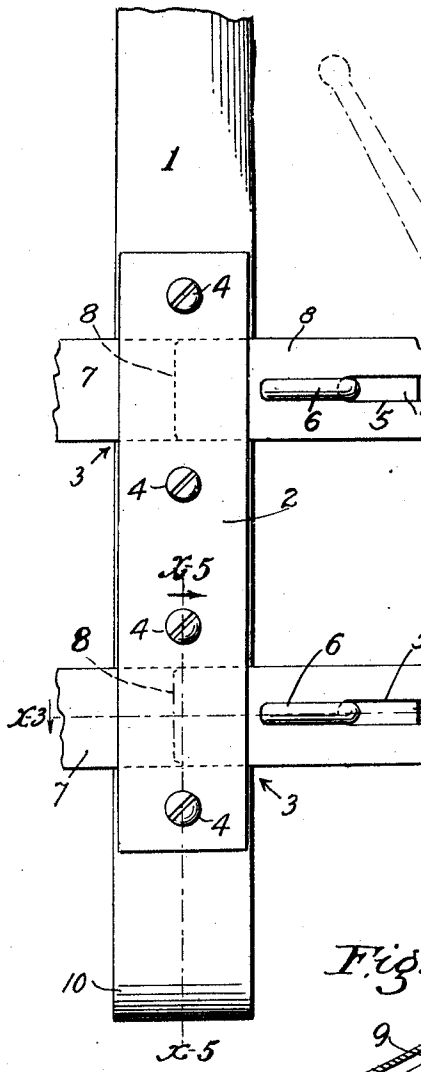
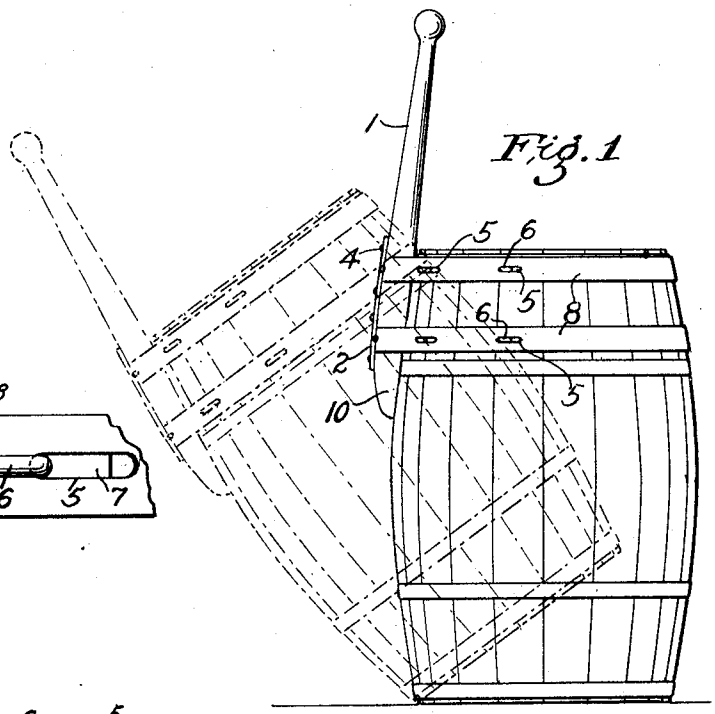


Fig. 1



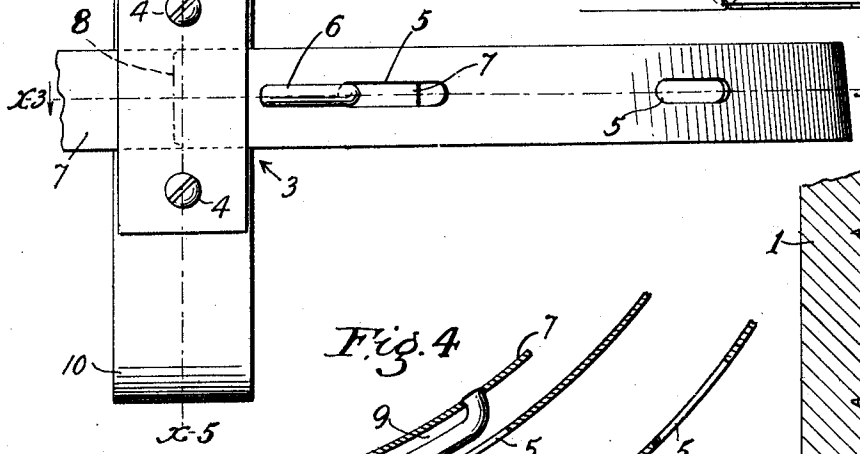


Fig. 5

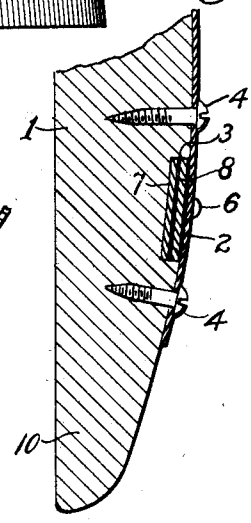
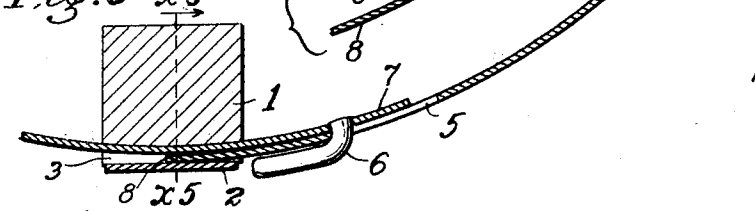


Fig. 4

Fig. 3



Witness
C. C. Holly.

Inventor
Matthias Matthiasen
by James R. Townsend
his atty

UNITED STATES PATENT OFFICE.

MATTHIAS MATTHIASEN, OF SAN PEDRO, CALIFORNIA, ASSIGNOR OF ONE-THIRD TO RICHARD W. MARTIN AND ONE-THIRD TO THOMAS L. RODDA, OF SAN PEDRO, CALIFORNIA.

CASK HANDLER.

1,406,052. Specification of Letters Patent. Patented Feb. 7, 1922.

Application filed March 30, 1920. Serial No. 370,020.

To all whom it may concern:

Be it known that I, MATTHIAS MATTHIASEN, a citizen of the United States, residing at San Pedro, in the county of Los Angeles and State of California, have invented a new and useful Cask Handler, of which the following is a specification.

This invention is intended for the use of warehouse men, stevedores and others having occasion to handle barrels and the like, and broadly considered consists in providing the cask with a handle projecting from the chine thereof in the direction of the produced axis of the cask so that it can be used with great leverage to tilt, swing, turn and roll the barrel on one end with the perimeter of the opposite end of the cask or other object as a fulcrum and runner.

An object of this invention is to provide means whereby the handling of barrels, hogsheads, and other casks, and the like, can be accomplished with greater ease than has heretofore been possible.

A feature of the invention is the application to a hand spike of a band secured at right angles thereto near one end thereof, and adapted to fit around the end of the cask so as to practically provide the cask with a detachable endwise projecting handle which can be used with great facility for tilting the cask and rolling the same on its chine when tilted.

The invention is broadly new, basic, pioneer and primary with respect to the feature stated.

The invention may be applied with hand spikes and casks of different proportions and with one or more band members to the lever, adapted to encircle the cask or other objects to which it is adapted.

Other features of the invention reside in the construction and the arrangement whereby the appliance is projected and made adjustable where such adjustment is desirable for fitting the appliance for use upon different size objects so that the same attachment may be applied to casks of different diameter.

Other objects of the invention are strength, simplicity, ease of adjustment and security of fastening the band at any adjusted position.

Other objects, advantages and features of invention may appear from the accompanying drawing, the subjoined detail description and the appended claims.

The accompanying drawing illustrates the invention.

Figure 1 is a side elevation of a barrel handler constructed in accordance with this invention and applied to a barrel or other cask in position for handling the same. Dotted lines indicate a position of the barrel and handler while the barrel is being moved from standing position.

Fig. 2 is a fragmental enlarged detail of the handle shown in Fig. 1.

Fig. 3 is a fragmental cross-section on line x^3, Fig. 2.

Fig. 4 is a fragmental section of the band shown in Fig. 3 with the fastening unhitched.

Fig. 5 is a fragmental vertical section on line x^5, Figs. 2 and 3, looking to the right in the direction of the arrow.

The hand spike which forms a lever 1 may be of any suitable size, form and material and, as shown, is of some strong wood, as hickory or oak, and is provided upon one face with a retainer 2 in the form of a metal strap fastened to the hand spike lever 1; there being one of more transverse ways 3 formed between the reinforcement 2 and the body of the lever 1. Such way or ways may readily be formed by cutting one or more transverse grooves into the outer face of the lever before the strap 2 is secured thereto.

The strap 2 may be fastened to the lever 1 by any suitable means as indicated by screws 4.

The band is an open hoop which may be formed of any suitable material; and in the drawings, comprises a metal strap corresponding to an open iron or steel hoop extending through the way 3 cross-wise of the hand spike and provided with one or more slots 5 adapted to engage a catch formed of a lug 6 that is fastened to and projects outward from one limb 7 of the hoop. The slots 5 are in the second or outside limb of the hoop.

The catch or lug 6 is formed as a hook extending outward from one terminal 7 of the strap 2, and when it is passed through a slot 5 it is free and extends toward the other end 8 of said hoop-iron.

Preferably the catch 6 is exactly equal in longitudinal and transverse dimensions to the slot 5 provided therefor and the spaces 9

between the hook 6 and the limb or terminal 7, is sufficiently wide to accommodate the thickness of the other terminal 8 of the band.

The way 3 between the retainer 2 and the body of the lever 1 is preferably wide enough to accommodate the two terminals as indicated in Fig. 3 so that when the parts are in the position thus indicated, the band is secured against removal.

The bands may be given a desirable flare as shown in Figs. 1 and 5 so as to snugly seat upon the barrel or other cask to be handled.

In practice the operator will grasp the free end of the lever and swing the hoop-like band or bands over the free end of the object to be moved. It thus gives a perfect hold upon said object and has as powerful leverage as may be required, depending of course, upon the length of the lever 1 and the depth of the band or bands upon the cask.

The lever preferably projects down below the band or bands in order to afford a fulcrum 10 to bind upon the object as shown in Fig. 1.

I claim—

1. A barrel handler comprising a hand spike, one or more transverse hoops slidably attached to said hand spike near the end thereof and means for adjusting said hoops to fit various sizes of barrels.

2. In a barrel handler, a hand spike provided near the fulcrum end thereof with one or more transverse open hoops, said hoops being provided at one end with a hook and at the other end with a plurality of slots of sufficient size to admit and engage said hook and thereby form a hoop or hoops adapted to fit barrels or other objects of various sizes.

3. In a barrel handler, a hand spike provided near one end thereof with one or more ways, and an adjustable band or hoop adapted to slide in each way.

4. A barrel handler comprising a hoop adapted to encircle a barrel, a hand-spike extending at right angles to the plane of said hoop and being rounded so as to readily turn in the hand of the operator as the barrel is rolled.

5. A barrel handler comprising a hoop adapted to encircle a barrel, a hand-spike attached to said hoop and extending at right angles to the plane of the hoop, said hand-spike having a spherical knob on the end thereof adapted to readily turn in the hand of an operator.

In testimony whereof I have hereunto set my hand at Los Angeles, California, this 23rd day of March, 1920.

MATTHIAS MATTHIASEN.

Witness:

C. J. MAHER.

Certificate of Correction.

It is hereby certified that in Letters Patent No. 1,406,052, granted February 7, 1922, upon the application of Matthias Matthiasen, of San Pedro, California, for an improvement in "Cask Handlers," errors appear in the printed specification requiring correction as follows: Page 1, line 81, for the word "of" read *or;* page 2, line 45, claim 3, after the word "way" and before the period insert the phrase *throughout the length of said band;* and that the said Letters Patent should be read with these corrections therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 28th day of March, A. D., 1922.

[SEAL.]

KARL FENNING,

Acting Commissioner of Patents.