No. 656,845. Patented Aug. 28, 1900.

J. LAURSEN.

HOISTING DEVICE.

(Application filed May 2, 1900.)

(No Model.)

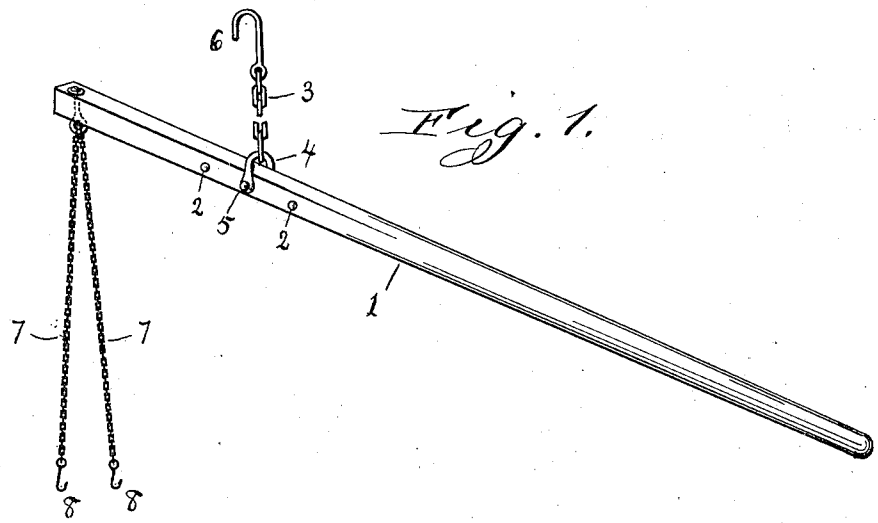
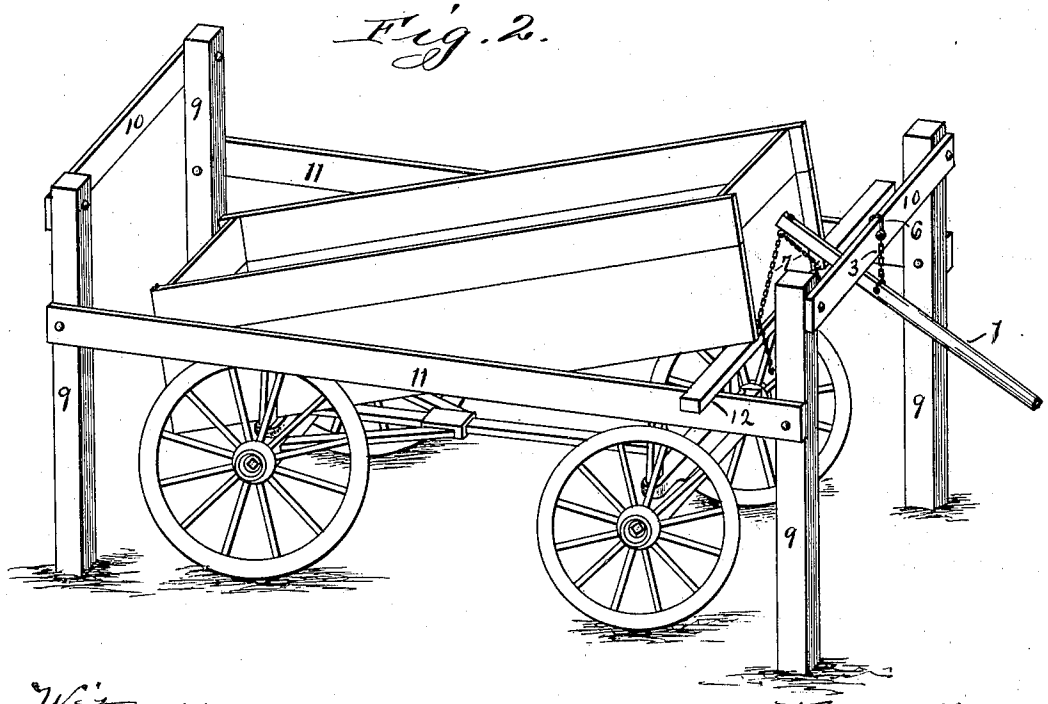


Fig. 1.

Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

JENS LAURSEN, OF HAMILTON, ILLINOIS.

HOISTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 656,845, dated August 28, 1900.

Application filed May 2, 1900. Serial No. 15,193. (No model.)

To all whom it may concern:

Be it known that I, JENS LAURSEN, a citizen of the United States, residing in the town of Hamilton, in the county of Lee and State of Illinois, have invented certain new and useful Improvements in Hoisting Devices; 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 the figures of reference marked thereon, which form a part of this specification.

My invention relates to hoisting devices, and is designed to be used in removing boxes, hay-racks, and like bodies from the running-gear of wagons and replacing the same thereon.

I am aware that devices somewhat similar to mine have heretofore been known, but so constructed as to require two or more thereof to perform an operation which I successfully accomplish with one. My invention is also capable of adjustment so as to be adapted to raise bodies of higher or lower elevation and to a greater or less height.

In the drawings, Figure 1 is a view of my device in perspective. Fig. 2 is a similar view thereof while in use.

1 is a hand-lever provided with a series of perforations 2 2, in one of which is fulcrumed the short chain 3, by means of the clevis 4 and bolt 5, the chain 3 being provided at the upper end with the hook 6. The short end of the lever is provided with supporting-chains 7, having hooks 8 at the ends thereof.

As a support for this device I provide a frame consisting of the posts 9, having transverse cross-pieces 10 and longitudinal cross-pieces 11.

In operation the wagon is run into a proper position within the framework, the lever 1 secured to one of the cross-pieces 10, as shown in Fig. 1, the chain 7 secured to one end of the wagon-body, and such end raised above the cross-pieces 11. A movable cross-piece 12 is then placed beneath the elevated end of the wagon-box, such cross-piece 12 resting upon and being supported by the cross-pieces 11. The lever 1 is then removed from its position and secured to the other cross-piece 10, when the other end of the wagon-body is raised and supported in the same manner as the first. The running-gear can then be removed to another framework, if desired, where a hay-rack or similar body can be placed thereon by use of the same lever.

If desired, a downwardly-projecting hook can be provided at each side of the wagon-body end and the links of the chain 7 hooked thereon at any desired height, as shown in Fig. 2, instead of catching the hooks 8 under the wagon-body, as originally designed.

In handling wagons having a low gear or where it is desired to raise the body to a higher elevation the chain 3 is secured to the lever 1 in one of the holes 2 farthest from the short end of the lever, giving to such short end a longer sweep.

In using my device in a driveway or a building it is only necessary to have cross-pieces, similar to the cross-pieces 10, secured at their ends to the building or sides of the driveway for the support of the lever 1, and cross-pieces, similar to the cross-piece 12, adapted to be secured in the sides of the driveway or building and support the wagon-body.

It is apparent that where there are several frames or places wherein wagon-boxes and similar bodies can be supported on the same frame or place the lever 1 can be transported from one to the other, and only one such device is needed. It can also be used in many cases where it is necessary to raise heavy bodies other than wagon-boxes and the like.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

The combination in a hoisting device of a portable hand-lever provided with means for the suspension thereof at its point of fulcrum, and provided further with means for engaging wagon-boxes and similar bodies for the purpose of lifting the same; a framework having supporting cross-pieces at each end thereof, and longitudinal cross-pieces at each side thereof; and movable cross-pieces adapted to be held by such longitudinal cross-pieces and furnish a means of support for the wagon-box, or similar body, when elevated; substantially as set forth.

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

JENS LAURSEN.

Witnesses:

WM. FLOCK,

I. L. WEAVER.