

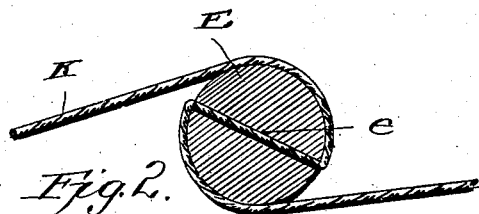
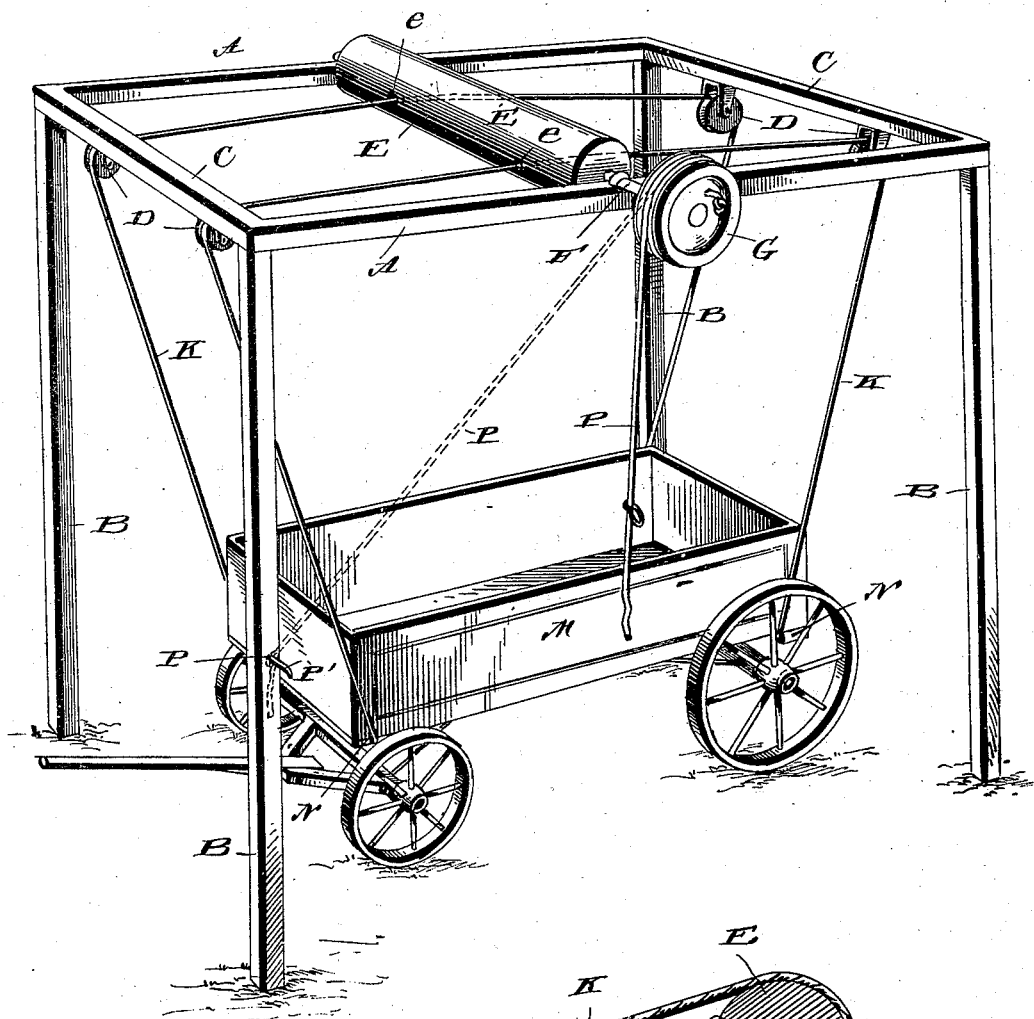
(No Model.)

M. MARRS.
WAGON BED HOISTER.

No. 553,288.

Patented Jan. 21, 1896.

Fig. 1.



Witnesses:
L. C. Hills.
A. E. Hough

Inventor:
Marcus Marrs,
by Franklin N. Hough
Atty.

UNITED STATES PATENT OFFICE.

MARCUS MARRS, OF HOWELL, TENNESSEE.

WAGON-BED HOISTER.

SPECIFICATION forming part of Letters Patent No. 553,288, dated January 21, 1896.

Application filed August 9, 1895. Serial No. 558,776. (No model.)

To all whom it may concern:

Be it known that I, MARCUS MARRS, a citizen of the United States, residing at Howell, in the county of Lincoln and State of Tennessee, have invented certain new and useful Improvements in Wagon-Bed Hoisters; 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, which form a part of this specification.

This invention relates to certain new and useful improvements in wagon-bed hoisters, and especially to new and improved means of hoisting a wagon-box from a vehicle-truck, consisting of a continuous cable or rope looped under each end of the wagon-box, working over pulleys and winding on a windlass or drum.

The invention resides in the journaling of a winding-drum on a suitable framework, which framework carries pulleys over which the hoisting-rope is adapted to pass, and the said winding-drum having perforations through which the hoisting-rope is passed in a horizontal line so as to insure of the box being hoisted with an equal strain on each loop of the rope.

To these ends and to such others as the invention may pertain, the same consists further in the novel construction, combination and adaptation of the parts as will be herein-after more fully described and then specifically defined in the appended claim.

I clearly illustrate my invention in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which drawings similar letters of reference indicate like parts throughout both views, in which—

Figure 1 is a perspective view of my invention. Fig. 2 is an enlarged detail view in section of the winding-drum, showing the cable or rope passing through the same.

Reference now being had to the details of the drawings by letter, A designates suitable horizontally-disposed beams supported on the vertical posts B, and at each end of the framework on the cross-pieces C are secured the pulleys D.

Journalled midway the length of the beams A is the winding-drum E, mounted on the shaft F, which carries at one end a windlass G. The said winding-drum E has preferably two perforations *ee*, through which the endless cord or cable K is passed, there being two loops formed in the hoisting-rope, one loop being adapted to be passed under the forward end of the wagon-box M and the other loop under the rear end of the box, each loop being prevented from slipping from under the box by means of the cleats N on the under side of the wagon-box, one near each end.

The rope P has one end secured to the circumference of the windlass, and is wound several times about said circumference, and its free end hanging down within easy reach of the operator, and is provided with a loop *p*, which is caught over the pin *p'* when the box is raised and when it is desired to hold the box from off the truck.

From the foregoing it will be seen that by my peculiar arrangement of having the continuous hoisting-rope passed through the perforations on the winding-drum, when the hoisting of the wagon is commenced, the tension on the rope is evenly distributed, and the box is raised easily and quickly in a horizontal position.

Having thus described my invention, what I claim to be new, and desire to secure by Letters Patent, is—

A suitable supporting frame, a drum or cylinder mounted upon the top thereof, and having holes extending through it; and a winding mechanism secured to the end of the drum shaft, combined with pulleys mounted on each end of the frame, and an endless continuous rope adapted to pass freely back and forth through the drum over the pulleys and under the ends of the wagon bed, whereby when the drum is made to revolve the rope freely adjusts itself through it so as to exert an even pull upon each corner of the bed, substantially as described.

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

MARCUS MARRS.

Witnesses:

R. T. HOLLAND,
H. T. EPPS.