

B. BENNETT.
WAGON BED HOIST.
APPLICATION FILED JULY 6, 1912.

1,063,906.

Patented June 3, 1913.

2 SHEETS—SHEET 1.

Fig. 1.

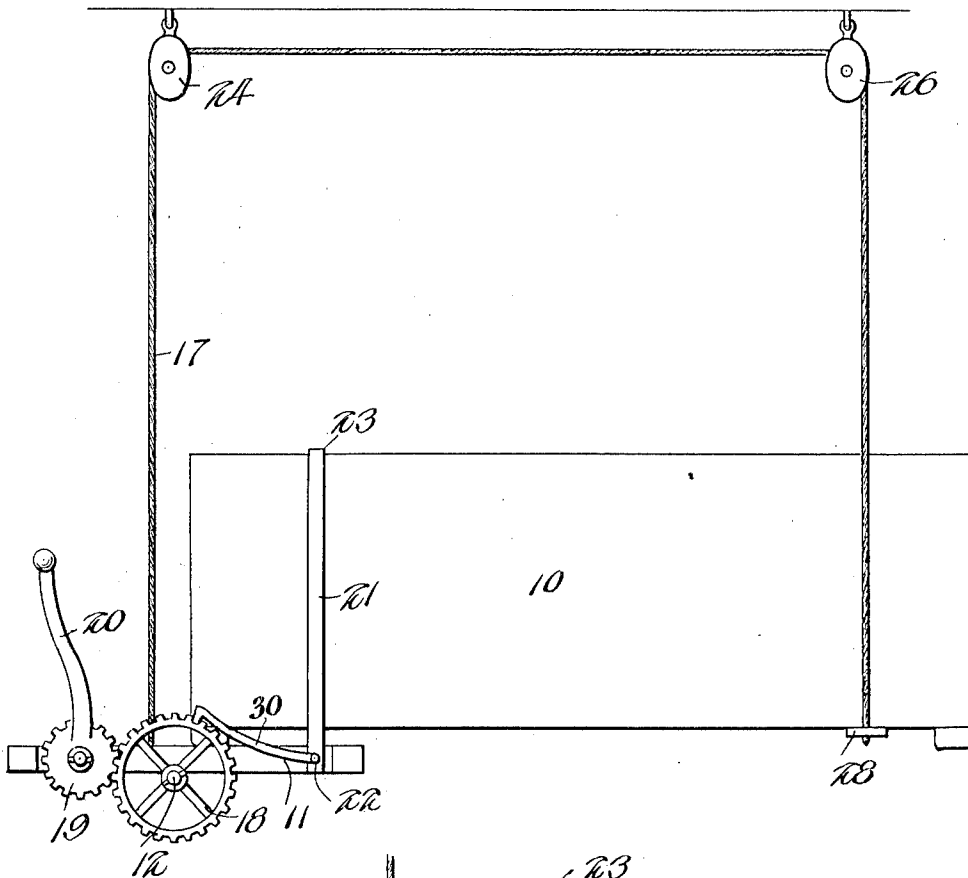
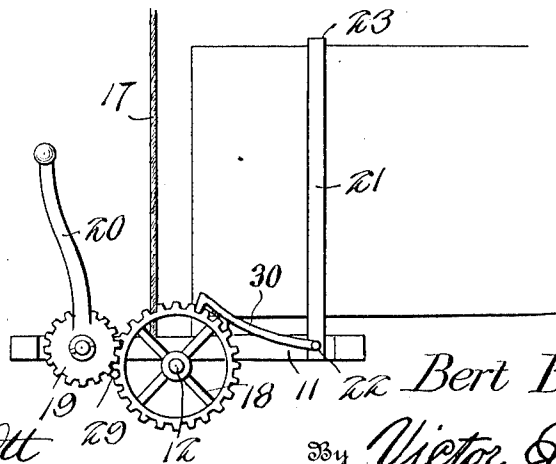


Fig. 3.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 2.

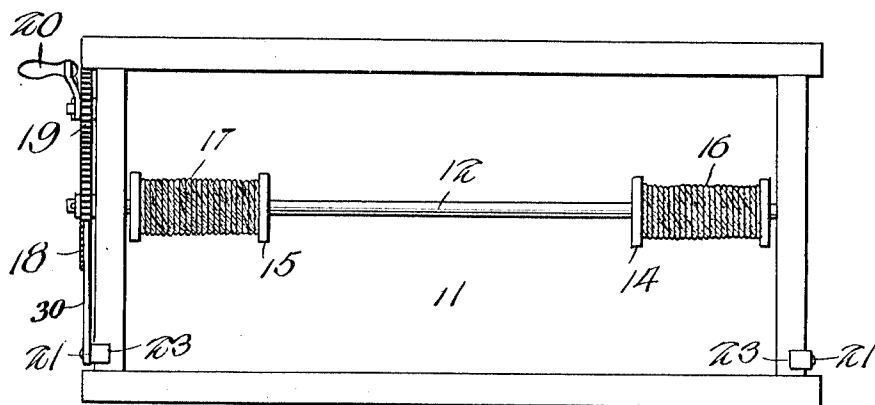
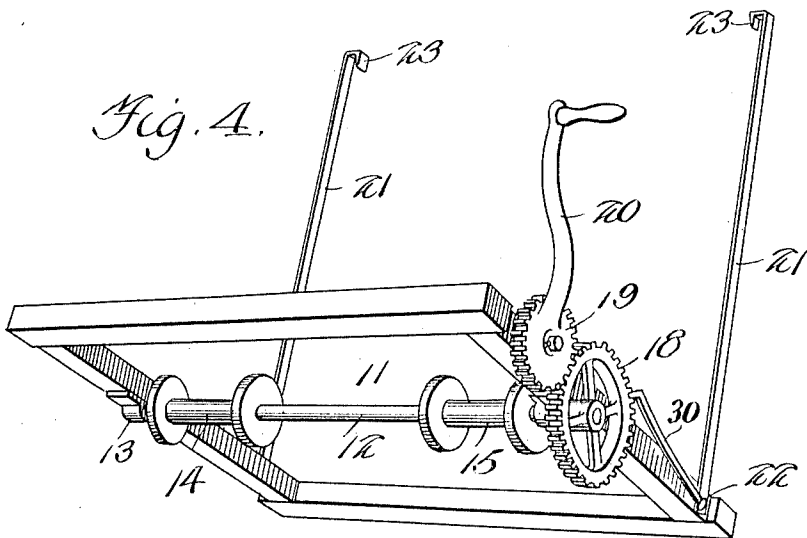


Fig. 4.



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UNITED STATES PATENT OFFICE.

BERT BENNETT, OF KOKOMO, INDIANA.

WAGON-BED HOIST.

1,063,906.

Specification of Letters Patent.

Patented June 3, 1913.

Application filed July 5, 1912. Serial No. 707,839.

To all whom it may concern:

Be it known that I, BERT BENNETT, a citizen of the United States, residing at Kokomo, in the county of Howard and State of Indiana, have invented new and useful Improvements in Wagon-Bed Hoists, of which the following is a specification.

This invention relates to machines for elevating wagon beds.

The primary object of the invention is to provide a machine of the character stated in which a platform or frame is employed, the said frame adapted to be arranged beneath the body of the wagon to be elevated and being provided with retaining elements which embrace the upper portion of the body of the wagon, the frame being further provided with a shaft having drums thereon around which are wound cables, the said cables passing over suitable pulleys and having their free ends connected with a bar which is adapted to be arranged beneath the wagon body to the rear of the frame, suitable means being provided for rotating the shaft to wind the cables around the drums to elevate the wagon body from the running gear thereon, and simple, but effective means being also provided for sustaining the hoisting apparatus and the wagon body in an elevated position.

With the above recited objects in view, and others of a similar nature which will appear as the description of the invention progresses, the improvement resides in the novel construction, combination and arrangement of parts set forth in the following description, and falling within the scope of the appended claim.

In the drawing, Figure 1 is a side elevation of the device illustrating the same in the act of raising and supporting the wagon body. Fig. 2 is a top plan view of the frame employed in connection with the hoist. Fig. 3 is a side elevation illustrating the means of locking the toothed wheels when the body is elevated. Fig. 4 is a perspective view of the hoist, the wagon body being removed.

Referring now to the drawing in detail, the numeral 10 designates an ordinary body for a farm wagon. The hoisting means for elevating the wagon body, when the same is not to be employed upon the running gear, and when the said wagon body is to be stored for future use, embodies essentially a substantially rectangular frame 11, the same

being constructed of any desired material. Arranged transversely of the frame, and to the forward portion thereof is a shaft 12, the same being journaled in suitable bearings 13 provided upon the under face of the longitudinal or side members of the frame. Arranged upon this shaft 12 are drums 14 and 15, around which are wound a pair of cables 16 and 17 respectively. The shaft 12 projects beyond its bearing upon one side of the frame 11, the said projecting portion being provided with a toothed wheel 18, and the said side of the frame is further provided with a smaller toothed wheel 19 which meshes with the wheel 18. This wheel 19 has its shaft suitably journaled upon the frame and the said wheel 19 is further provided with a handle 20. Arranged upon the longitudinal side members of the frame 11 and adjacent the rear connecting beam thereof are the oppositely disposed straps 21, which are pivoted to the said members of the frame as at 22. The upper extremity of each of the said straps 21 is formed with a hook 23, the said hook being adapted to engage with the upper edges of the sides of the wagon body 10. The cables 16 and 17 pass over suitable pulleys 24 which are arranged directly above the frame 11, said cables being continued over pulleys 26 and extended downwardly and connected with a cross bar 28, the said cross bar adapted to engage beneath the rear portion of the underface of the body 10.

It will be readily noted that when the frame 11 and the cross bar 28 are positioned beneath the body and the crank 20 manipulated so as to revolve the toothed wheel 19, the shaft 12 will also be rotated so as to elevate the body 10 to a desired position and height, and when the desired elevation is reached a removable pin 29 is arranged between the teeth of the wheel 18 and which is adapted to be contacted by one of the teeth of the wheel 19, so that a further revolving of the wheels and the shaft 12 is effectively prevented. By rotating the handle 20 in one direction it will be noted that the pin will drop by gravity from between the teeth so as not to interfere with the rotation of the shaft, nor with the lowering of the wagon body 10. It will be noted further, that by providing the straps 21 with the engaging hooks 23 the said straps effectively sustain the frame 11 beneath the

wagon body 10, so that accidental displacement of the frame from the body is entirely and effectively prevented.

5 If desired a pawl 30, which may be pivotally connected with one of the members 21, may be employed in lieu of a pin 29, as illustrated in Fig. 1 of the drawings.

Having thus described the invention, what I claim is:—

10 A wagon bed lifting device comprising a substantially horizontal frame, said frame having journaled thereon a transversely arranged shaft, drums upon the shaft for receiving the free ends of a cable, a toothed
15 wheel upon the shaft, a second toothed wheel journaled upon and at a point adja-

cent one end of the frame and meshing with the first named toothed wheel, a handle upon this second toothed wheel, a pin locking member for the toothed wheels and the drums, vertically extending straps disposed on the side faces of the frame at a point adjacent the opposite end thereof, and each of said straps having its extremity bent to provide a hook which is adapted to engage with
25 the upper edge of the sides of a wagon bed.

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

BERT BENNETT.

Witnesses:

J. F. MOMSON,

JOHN R. MCINTOSH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."