

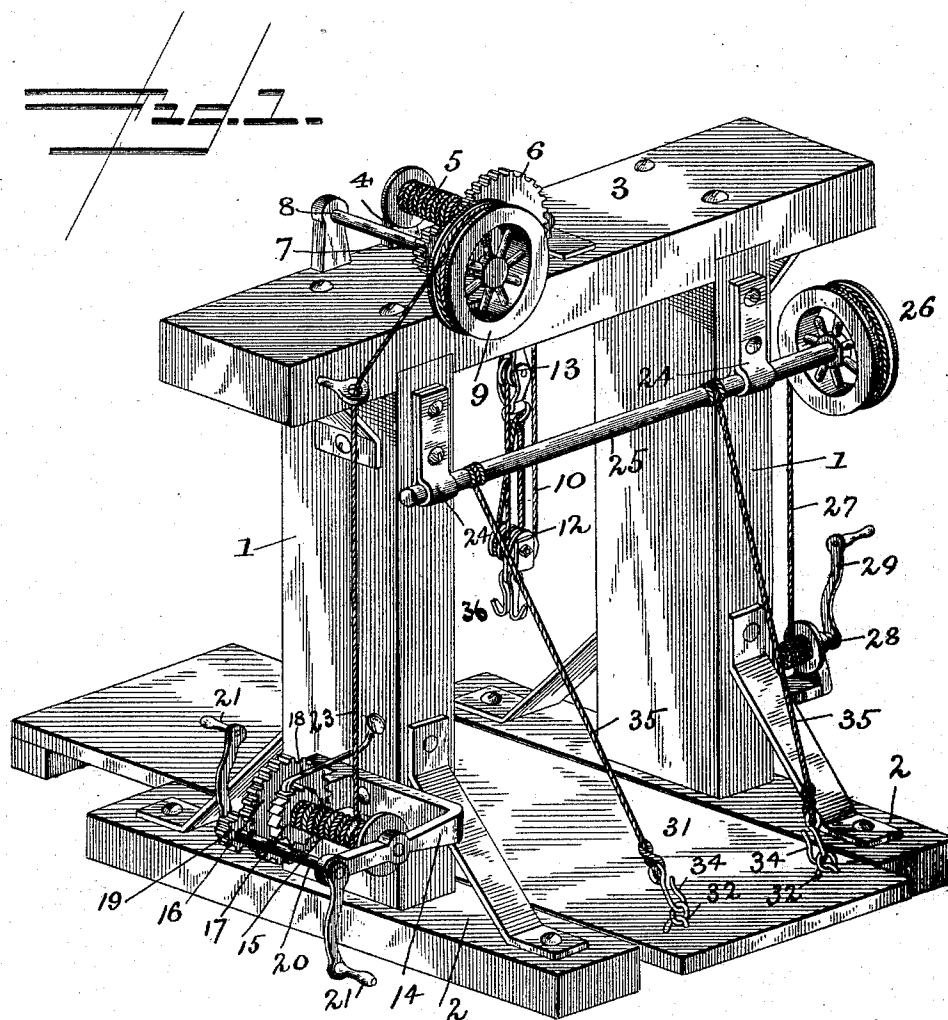
(No Model.)

2 Sheets—Sheet 1.

W. H. RICKABACH.
HOISTING MACHINE.

No. 483,391.

Patented Sept. 27, 1892.



WITNESSES:
F. L. Ourand
W. L. Leavens

INVENTOR:
William H. Rickabach,
by Lewis C. Rogers & Co.
Attorneys.

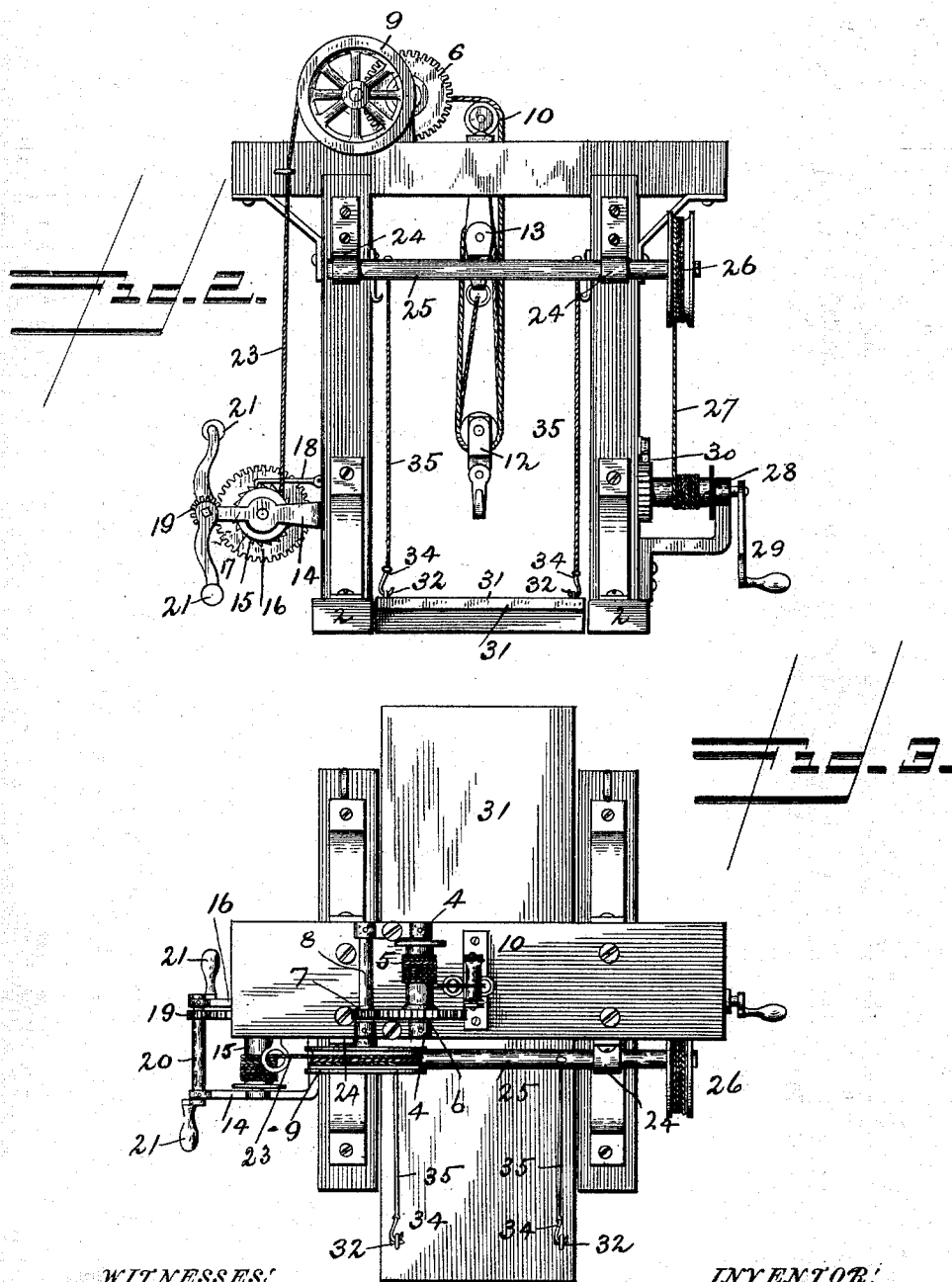
(No Model.)

2 Sheets—Sheet 2.

W. H. RICKABACH.
HOISTING MACHINE.

No. 483,391.

Patented Sept. 27, 1892.



WITNESSES:
H. L. Orourke
H. L. Bloomer

INVENTOR:
William H. Rickabach,
by Samuel C. Coggan & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM H. RICKABACH, OF MISHAWAKA, INDIANA, ASSIGNOR OF ONE-HALF TO WILLIAM A. FORE, OF SAME PLACE.

HOISTING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 483,391, dated September 27, 1892.

Application filed June 3, 1892. Serial No. 435,374. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. RICKABACH, a citizen of the United States, and a resident of Mishawaka, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Hoisting-Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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.

My invention relates to improvements in hoisting-machines for elevating stones and other heavy weights and depositing them upon a wagon or other vehicle.

The object of the invention is to provide an improved machine of the above character which shall possess superior advantages with respect to efficiency in operation, whereby heavy weights of any description may be elevated and placed in a wagon for transportation.

The invention consists in the novel construction and combination of parts herein-after fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a machine constructed in accordance with my invention. Fig. 2 is a front elevation of the same. Fig. 3 is a plan view.

In the said drawings the reference-numeral 1 designates two uprights or standards, secured at their lower ends to the base-pieces 2 and connected together at the top by a cross-beam 3. Journaled in bearings 4, secured to said cross-beam, is a drum 5, having a cog-wheel 6, meshing with a pinion 7 on a shaft 8, also journaled in said bearings and provided with a grooved pulley 9. Connected with the drum 5 is a hoisting or elevating rope 10, which passes through the beam 3 and around a double sheave 12, and from thence around another sheave 13, secured to the cross-beam.

Secured to one of the uprights 1 is a frame 14, in which is journaled a drum 15, having

a cog-wheel 16 and a ratchet 17, with which engages a pawl 18 to prevent backward movement of the drum. The cog-wheel 16 meshes with a pinion 19 on a shaft 20, also journaled in frame 14 and provided with hand-cranks 21, by which it may be rotated. A rope 23 is secured to drum 15 and extends up to and is wound around the pulley 9, so that as the drum 15 is rotated motion will be imparted to the drum 5 on the cross-beam 3.

Journaled in bearings 24, secured to the uprights 1, is a shaft 25, provided with a pulley 26 at one end, with which is connected a rope 27, passing downwardly to a drum 28, provided with a crank 29 and a ratchet 30.

The numeral 31 denotes a platform provided with eyes or loops 32, with which engage hooks 34, secured to ropes 35, which are secured to the shaft 25.

The operation is as follows: Supposing a stone or other heavy weight is to be elevated and placed upon a wagon or other vehicle for transportation, a chain is passed around the same in the ordinary manner and connected with hooks 36 on the double sheave 12. The shaft 20 is now rotated by means of the cranks 21, which cause the drum 15 to be turned and the rope 23 to be wound thereupon and the stone or other object to be elevated. The platform 31 is now placed underneath the stone or other weight with one end resting upon the wagon upon which it is to be placed or deposited, and the shaft 25 is rotated by means of the drum 28 and its connections, causing the platform to be tilted, so that the stone will roll or slide thereupon to the wagon.

From the above it will be seen that heavy weights of all kinds or descriptions can be readily hoisted and deposited in a wagon with but a small expenditure of power.

Having thus described my invention, what I claim is—

In a hoisting-machine, the combination, with the uprights, the base-pieces, the cross-beam, the gearing connected therewith, and the elevating-rope and sheaves, of the transverse shaft journaled to the uprights near

their upper ends and means for rotating the same, and the vertically-movable platform, one end of which is adapted to rest upon a wagon or other object and the other end removably connected with ropes or chains secured to said shaft, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

WILLIAM H. RICKABACH.

Witnesses:

WILLIAM A. MARSH,
ENOS E. LONG.