

No. 672,042.

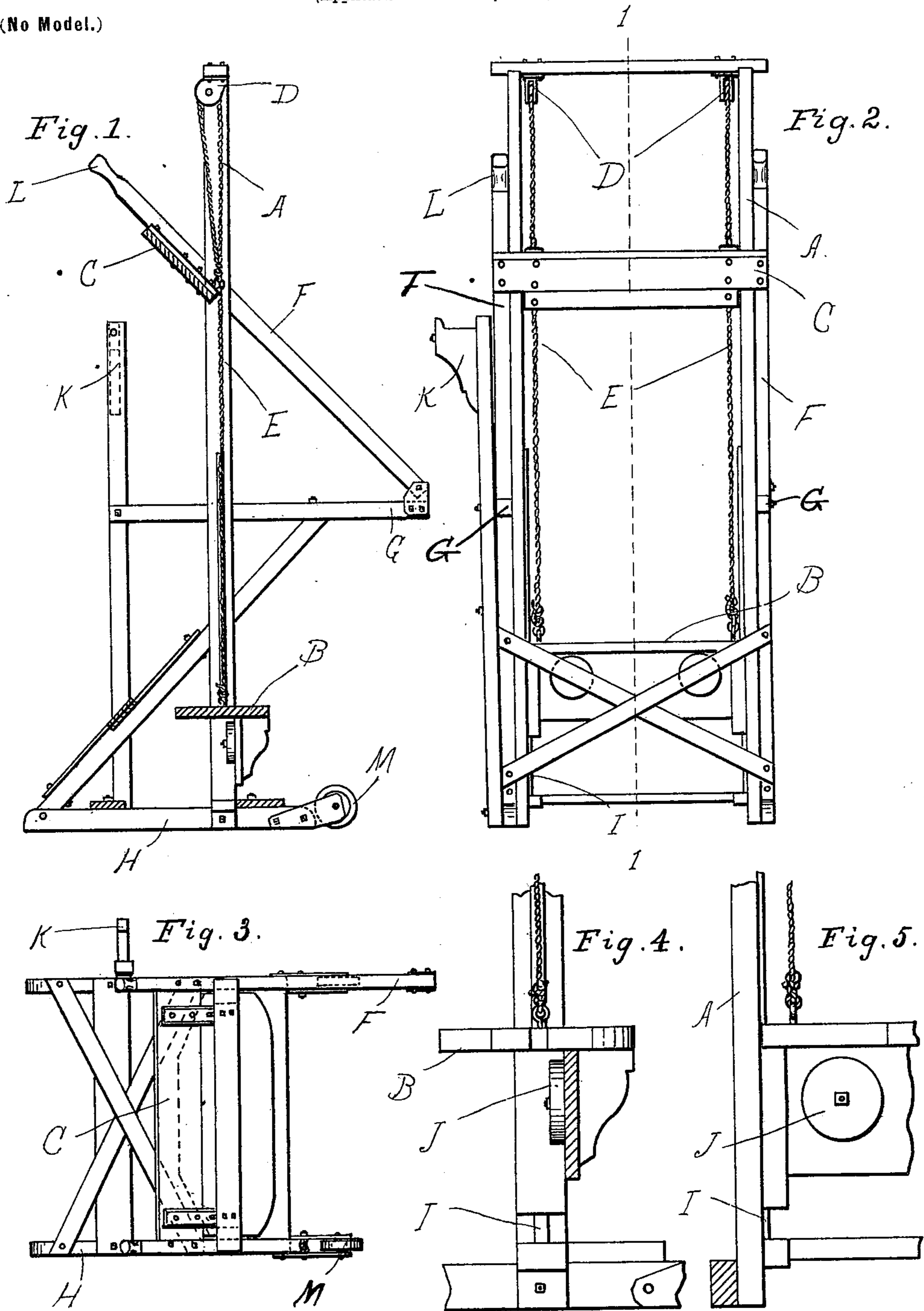
Patented Apr. 16, 1901.

H. B. SACKETT.

MECHANICAL ELEVATOR FOR LOADING WAGONS.

(Application filed Dec. 3, 1900.)

(No Model.)



Witnesses
D. J. Le Moyne
J. M. Le Moyne

Hiram B. Sackett Inventor
By his Attorney
Louis V. Le Moyne

UNITED STATES PATENT OFFICE.

HIRAM B. SACKETT, OF CHICAGO, ILLINOIS.

MECHANICAL ELEVATOR FOR LOADING WAGONS.

SPECIFICATION forming part of Letters Patent No. 672,042, dated April 16, 1901.

Application filed December 3, 1900. Serial No. 38,464. (No model.)

To all whom it may concern:

Be it known that I, HIRAM B. SACKETT, a citizen of the United States, residing at Chicago, in the county of Cook, State of Illinois, have invented a new and useful Improvement in Mechanical Elevators for Loading Wagons, of which the following is a specification.

The object of my invention is to provide an appliance by which articles that are being loaded into a wagon may be elevated from the ground-level to the level of the wagon by an operator in the wagon. It is designed particularly for loading coal contained in bags.

It consists, broadly, of an elevator-platform, an operator's platform to be forced down by the weight of the operator, and cords and pulleys connecting the one with the other, so that as one goes down the other comes up.

It further consists of details hereinafter more fully described, and particularly pointed out in the claims.

Figure 1 is a side elevation of my invention, shown on sectional lines 1 1, Fig. 2. Fig. 2 is a front view of the same. Fig. 3 is a top view, the lever on one side being broken away, showing the roller. Fig. 4 is an enlarged detail view of the elevator-platform partially raised. Fig. 5 is a view at right angles to Fig. 4.

A represents the upright frame; B, the elevator-platform; C, the platform for the operator; D, the pulleys; E, the cords passing over the pulleys; F F, the levers which carry the platform C; G G, the brackets on which the levers F F are hinged; H, the base-support; I, the guides which the platform B moves in; J, the weights attached to the platform B, and K the step for the operator.

The operation of my invention is as follows: The bag of coal or similar article to be elevated is placed upon the platform B when it is in its lowest position, as shown in Fig. 1, and the operator then steps upon the platform C and his weight forces it down and brings up the platform B. The lever F, striking upon the bracket G, brings the elevator

to a stop at a point where the two platforms are opposite one another. The operator then removes the load from the platform B and steps off of the platform C, and the weights J carry platform B down and C up into the original position ready for another load. In this way two operators, one on the ground and one in the wagon, can load a wagon with little effort and in short time.

A step K is provided for the operator alongside of the platform as an assistance to him in stepping on or off of the platform.

Handles L are attached to the levers F, so that, if desired, the elevator can be operated by the operator on the ground or in the wagon by hand.

Rollers M are put in the base to assist in moving the elevator about.

The weights J are just sufficient to bring the platform B promptly down to the ground.

What I claim, and desire to secure by Letters Patent, is—

1. The herein-described elevator for loading wagons, consisting of the combination of the frame A, the platform B, for receiving the load, the platform C, for receiving the weight of the operator, the levers F F, upon which the platform C is attached, the pulleys D, and cords E, attached one end to one platform and the other end to the other; all substantially as shown and described.

2. The herein-described elevator for loading wagons, consisting of the combination of the frame A, the platform B, the platform C, the levers F F, to which the platform C is attached, the pulleys D, the cords E, passing over said pulleys and attached one end to one platform and the other end to the other, and the handles L, upon said platform C; all substantially as shown and described.

HIRAM B. SACKETT.

Witnesses:

LOUIS V. LE MOYNE,
CHARLES J. DRIEVER.