

W. W. Andrew.
Land Roller.

N^o 83,818.

Patented Nov. 10, 1868.

Fig. 1.

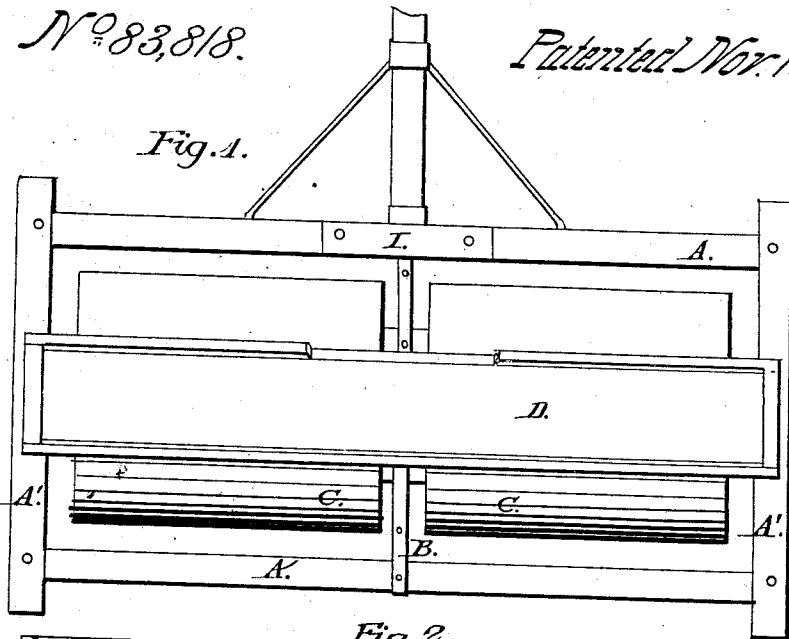


Fig. 2.

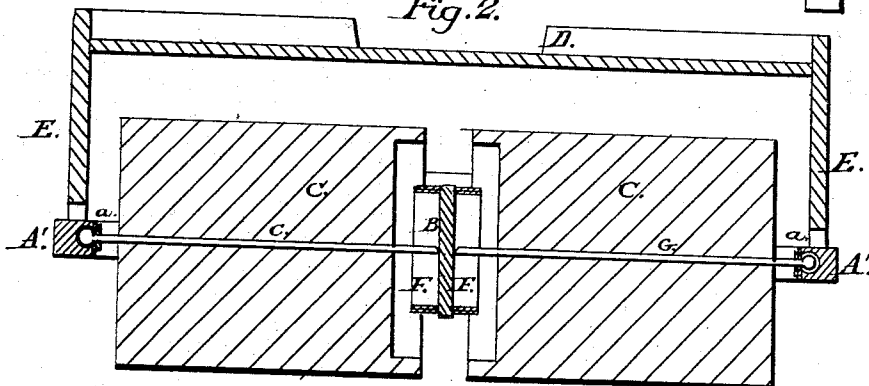
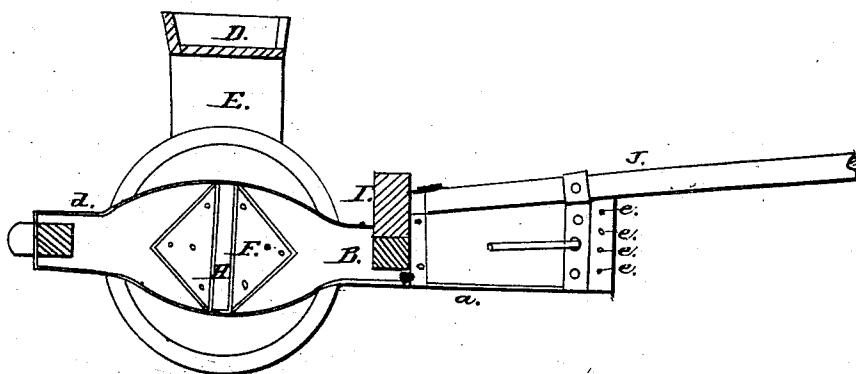


Fig. 3.



WITNESSES:

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WILLIAM W. ANDREW, OF GRAND RAPIDS, MICHIGAN.

Letters Patent No. 83,818, dated November 10, 1868.

IMPROVEMENT IN FIELD-ROLLER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM W. ANDREW, of Grand Rapids, in the county of Kent, and in the State of Michigan, have invented certain new and useful Improvements in Field-Rollers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

In the annexed drawings, making part of this specification, A represents the frame of a land-roller, which is made in a rectangular form, and long and wide enough to contain two independent rollers of suitable size.

B represents a dividing-board, which runs crosswise of the frame A, at its centre, separating it into two compartments, and extending forward of the front bar of said frame. This dividing-board has a strap of metal run around its edge, to strengthen and protect it, and is provided on each side, at its forward end, with metal plates, which are provided with holes, *e*, to receive the clevis to which the double-trees are attached. A block or short bar, I, is secured upon the forward bar of the frame A, and over the board B, which serves the double purpose of strengthening said board and of forming a rest for the rear end of the pole J.

F F represent two metallic plates, which are secured upon each side of the board B, at its centre, within the frame A, and which are provided with the vertical grooves H H.

In the centre of the inner sides of the end-pieces, A', of the frame A, are formed sockets to receive the ends of the roller-shafts.

C C represent two rollers of suitable size and weight, which are provided with the shafts or axles G G. The outer ends of these axles are ball-shaped, while their

inner ends are made straight or plain. The balls on the outer ends of the axles are inserted in the sockets in the end-rails of the frame, and are there confined by means of the metallic plates *a a*. The inner ends of the axles rest in the grooves H H of the plates F F, playing in them, and allowing the inner ends of the roller to rise and fall with the inequalities of the ground.

D represents a box, which extends over the rollers, at a suitable distance above them, and which has its ends supported upon the uprights E E, which are erected upon the end-rails of the frame. This box answers, not only as a driver's seat, but also to carry stones, or earth, or any other suitable weight which it may be desirable to place in it.

The tongue J has its rear end confined upon the forward end of the board B, and held in the block I. The clevis operating beneath the tongue, relieves all strain upon the neck-yoke of the team drawing the roller.

Having thus fully described my invention,

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

1. The dividing-board B, provided with plates F F and grooves H H, and extended forward of the frame A, under the pole J, where it is perforated (*e e e*) to receive the clevis, all constructed to operate as specified.

2. The combination of the frame A, box D, rollers C C, rods G G, and grooved board B, when constructed and operating substantially as set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 6th day of April, 1868.

WILLIAM W. ANDREW.

Witnesses:

B. A. HARLAN,
MARTIN METCALF.