

No. 661,884.

Patented Nov. 13, 1900.

A. J. MAINE.
CAR MOVER.

(Application filed Apr. 21, 1900.)

(No Model.)

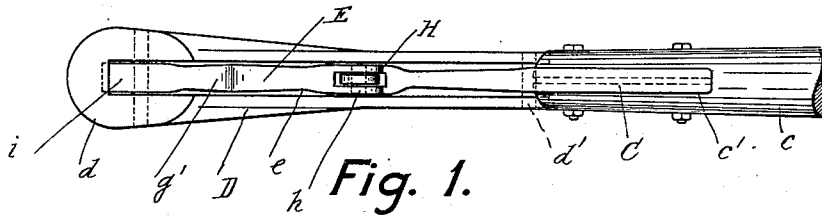


Fig. 1.

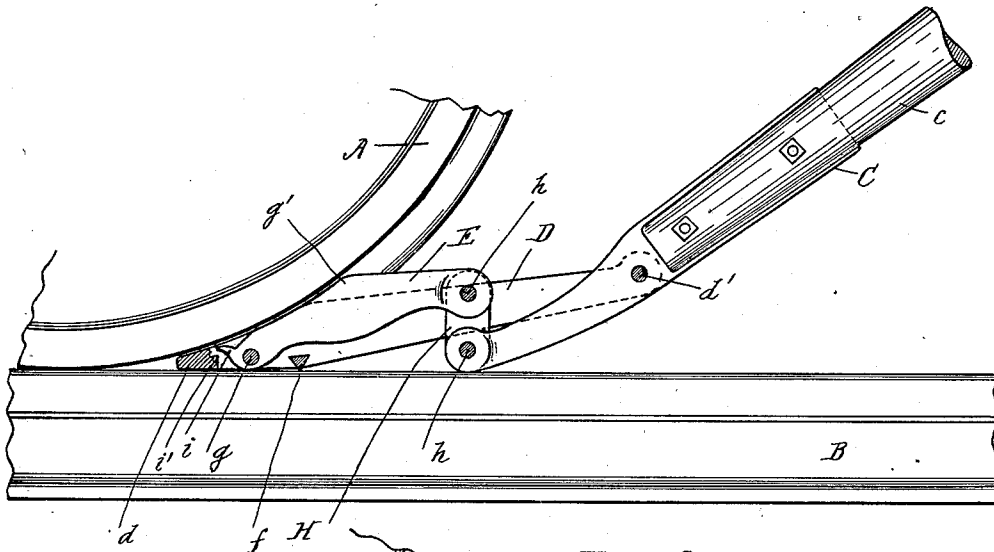


Fig. 2.

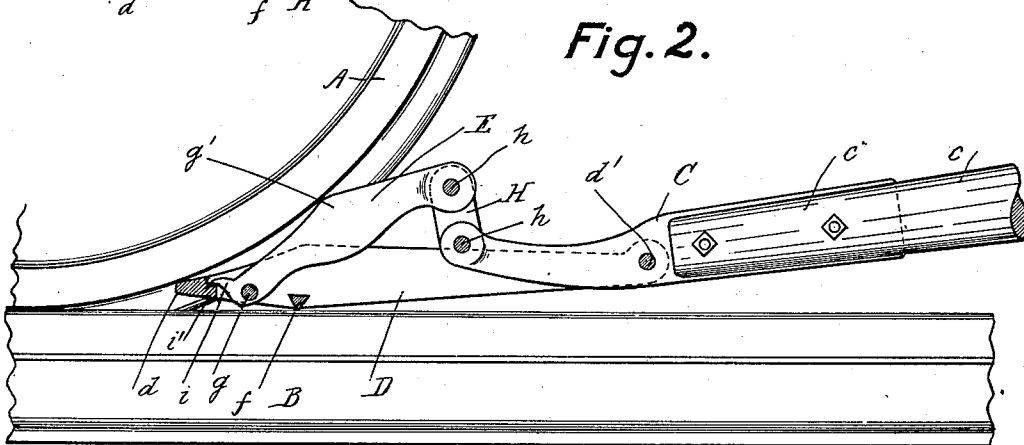


Fig. 3.

Witnesses:

W. L. Summers
W. Bates

Inventor:

Andrew J. Maine
by *Herbert W. Jenner*
Attorney.

UNITED STATES PATENT OFFICE.

ANDREW J. MAINE, OF APPLETON, WISCONSIN, ASSIGNOR TO RICHARD MILLER, WILLIAM McLEISH, E. M. WRIGHT, AND ARCHIBALD SHANNON.

CAR-MOVER.

SPECIFICATION forming part of Letters Patent No. 661,884, dated November 13, 1900.

Application filed April 21, 1900. Serial No. 13,789. (No model.)

To all whom it may concern:

Be it known that I, ANDREW J. MAINE, a citizen of the United States, residing at Appleton, in the county of Outagamie and State of Wisconsin, have invented certain new and useful Improvements in Car-Movers; and I do hereby 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.

This invention relates to car-movers; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a plan view of the car-mover. Fig. 2 is a side view showing it in position to be operated. Fig. 3 is a side view showing the car-mover after being operated.

A is a portion of a car-wheel, and B is the rail it runs on.

C is the main lever of the car-mover, and c is its handle portion. The handle portion has a slot *c'* at its lower end in which the lower part of the lever is inserted and secured by any approved fastening devices.

D is the pinch-bar, provided with a pointed end *d* for going between the periphery of the wheel and the rail. The pinch-bar is provided with a longitudinal slot *e*, and *f* is the fulcrum, which extends crosswise of the pinch-bar at the lower part of the slot and bears on the top of the rail. The other end portion of the pinch-bar is pivoted to the main lever C by a pin *d'*.

E is a pushing-lever pivoted to the pinch-bar by a pin *g*, which is arranged between the pointed end and the fulcrum *f*. The pushing-lever works in the slot *e* and has a projection *g'* on its upper side for bearing against the periphery of the car-wheel.

H is a link provided with pivot-pins *h* for connecting the adjacent end portions of the pushing and main levers, which are forked to receive it. The other end portion of the pushing-lever is provided with a lip *i*, which pro-

jects forwardly of its pivot and bears against a stop *i'* on the front end portion of the pinch-bar when the pushing-lever has been raised to its full extent, as shown in Fig. 3. The device is applied to the car-wheel, as shown in Fig. 1, and the free end of the main lever C is depressed. The pinch-bar turns on its fulcrum and the pushing-lever is moved simultaneously on its pivot, so that the projection *g'* presses against the wheel at a point above the point of the pinch-bar. In this manner the car is moved with very little force.

What I claim is—

1. In a car-mover, the combination, with a pinch-bar provided with a longitudinal slot and a fulcrum, of a pushing-lever pivoted at one end in the said slot, a main operating-lever pivoted to the said pinch-bar, and means for pivotally connecting the adjacent end portions of the said pushing and main levers, substantially as set forth.

2. In a car-mover, the combination, with a pinch-bar provided with a longitudinal slot and a fulcrum; of a pushing-lever pivoted at one end in the said slot, a main operating-lever pivoted in the said slot and provided with a handle which is slotted and secured over its lower portion, and means for pivotally connecting the adjacent end portions of the said pushing and main levers, substantially as set forth.

3. In a car-mover, the combination, with a pinch-bar provided with a longitudinal slot and a fulcrum, of a pushing-lever pivoted at one end in the said slot and provided with a stop for limiting its motion in one direction, a main operating-lever pivoted to the said pinch-bar, and means for pivotally connecting the adjacent end portions of the said pushing and main levers, substantially as set forth.

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

ANDREW J. MAINE.

Witnesses:

W. O. KENYON,
E. C. OSTRANDER.