

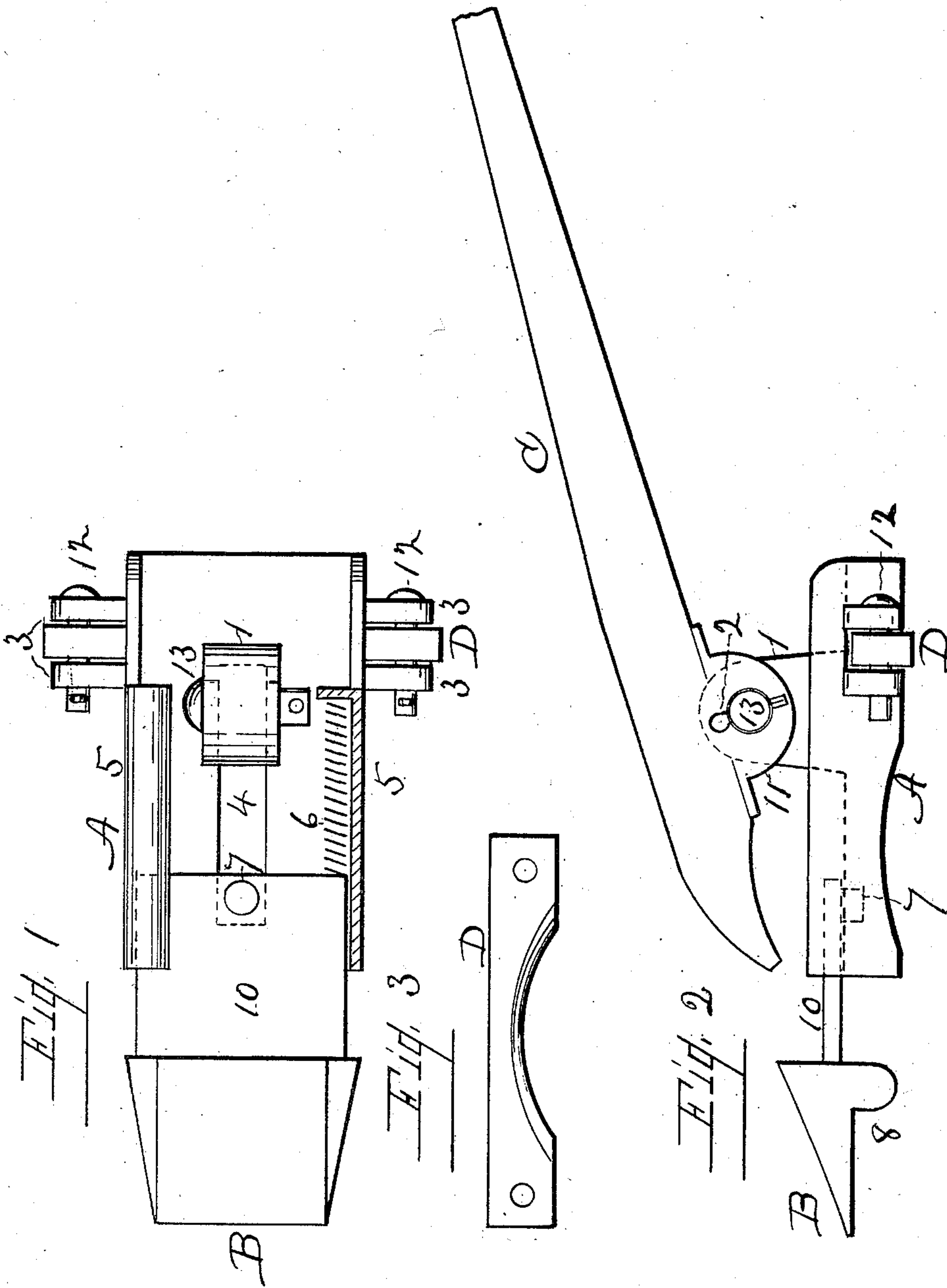
No. 703,337.

Patented June 24, 1902.

J. W. DEAR.
CAR MOVER.

(Application filed Mar. 15, 1902.)

(No Model.)



Witnesses

O. W. Kahane,
Ph. Vickers

Inventor

James W. Dear
By *R. P. Pickering*
Attorney.

UNITED STATES PATENT OFFICE.

JAMES W. DEAR, OF DAYTON, OHIO, ASSIGNOR OF ONE-HALF TO PHILIP W. MININGAN AND JACOB KENNEL, OF DAYTON, OHIO.

CAR-MOVER.

SPECIFICATION forming part of Letters Patent No. 703,337, dated June 24, 1902.

Application filed March 15, 1902. Serial No. 98,358. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. DEAR, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Car-Movers; 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, and to the letters and numerals of reference marked thereon, which form a part of this specification.

My invention relates to improvements in car-movers, the several features of which will be fully hereinafter described and claimed.

The object of my invention is the construction of a simple and effective device for moving cars, and as the lever is operated a follower is used to arrest a return movement of the wheels. The device is adapted to engage the rail, and the lever impinges the wheel of a car for the purpose of effecting a movement.

The mechanism is illustrated in the accompanying drawings, in which—

Figure 1 is a plan of the device with a portion of the housing cut away on one side, and the hand-lever is omitted. Fig. 2 is a side elevation of the same, including the hand-lever. Fig. 3 is a front view of the holding-block.

Like letters and numerals designate like parts throughout the several views.

The frame A is comprised of the central upward projection 1, which forms the fulcrum for the hand-lever, the ears 3 on the sides to support the holding-block, the housing 5 5, arranged longitudinally on both sides, the inner edges terminating above the upper surface to admit of a free movement of the follower or scotch beneath, and the central slot 4.

The scotch B comprises an angular head adapted to close up against a wheel, the two ears 8, that traverse the sides of the rail and serve as guides, and the flat extension 10, which enters the spaces beneath the inner

edges of the housings. To the under surface of this extension is attached the pin 7, which traverses the slot of the frame and arrests the outward movement of the scotch.

The holding-plate D is curved on its under surface and is tapered toward the rear to form a sharp engaging surface and is held in the ears of the frame by the pins 12 12. The concave portion of this holding-plate traverses the top of the rail, which it firmly engages when the hand-lever is depressed.

The hand-lever C is made of suitable length and is provided with a concavity on its under surface adapted to fit on the head of the fulcrum and against which the force alone bears of said hand-lever. The plate 11 is provided with ears that embrace the pin 13, which serves to hold the lever in contact with the fulcrum. The cotter-pin 2 holds the pin in position.

The normal position of the device is as shown in Figs. 1 and 2 and is so maintained by the two spiral springs 6, one of which is shown in Fig. 1. These springs bear against the inner end of said scotch and the back end of the housings.

The operation is thus: The device is placed on the rail and pressed forward against the car-wheel. The frame is forced forward until the end of the hand-lever engages said wheel, and as the said hand-lever is pressed down said scotch follows the receding wheel, and thereby prevents any return movement.

Having fully described my invention, what I claim is—

In a car-mover the combination of the frame provided with the central fulcrum with top bearing, and the hand-lever with concavity to ride the convex surface of said fulcrum, substantially as described.

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

JAMES W. DEAR.

Witnesses:

B. PICKERING,
W. H. H. ECKI.