

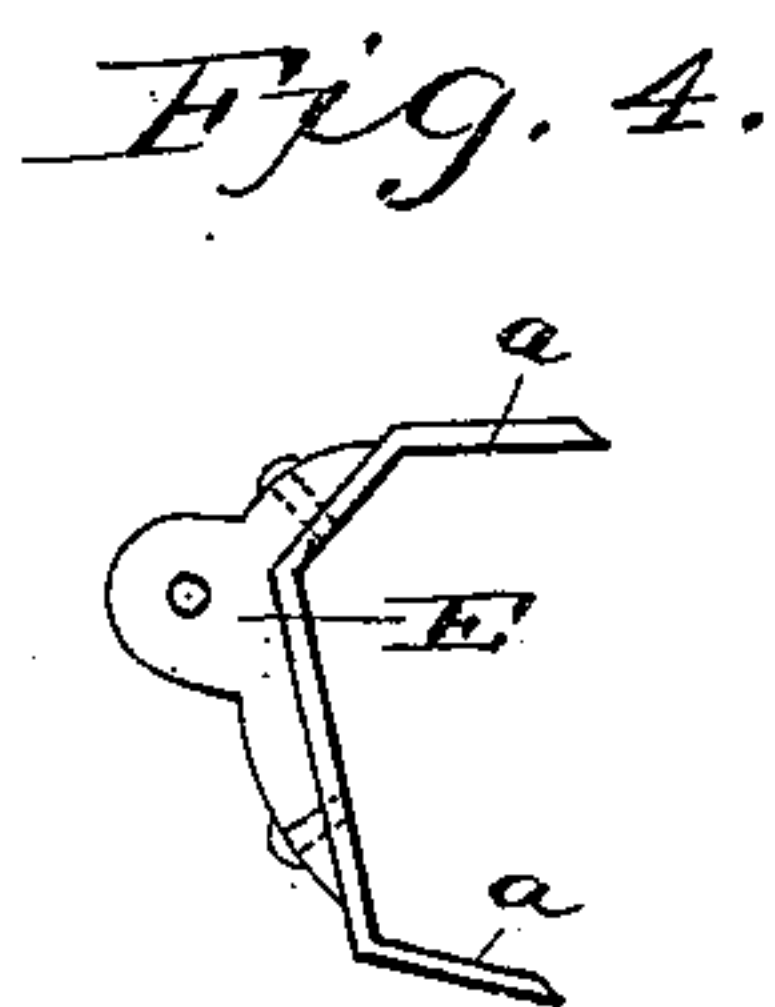
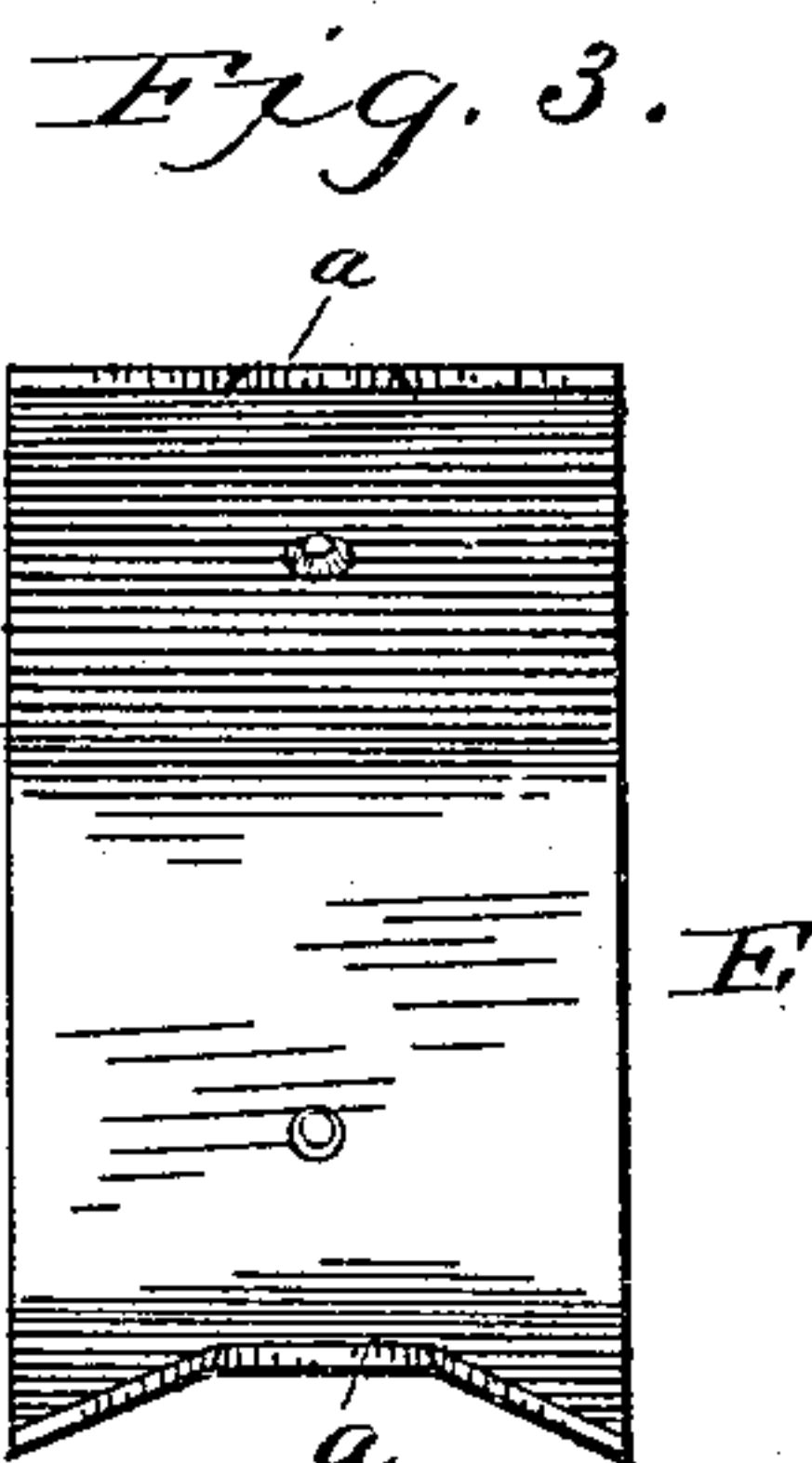
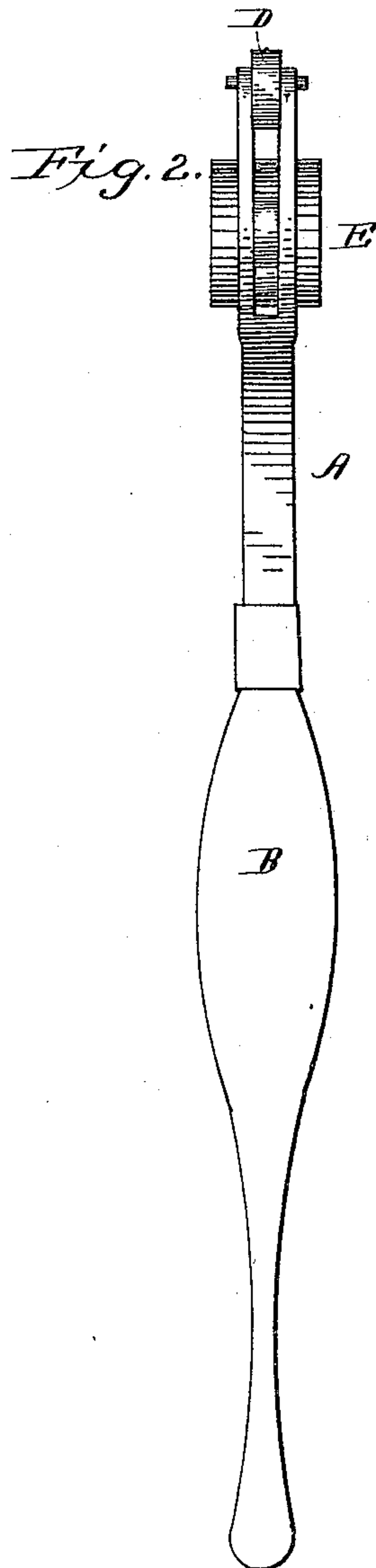
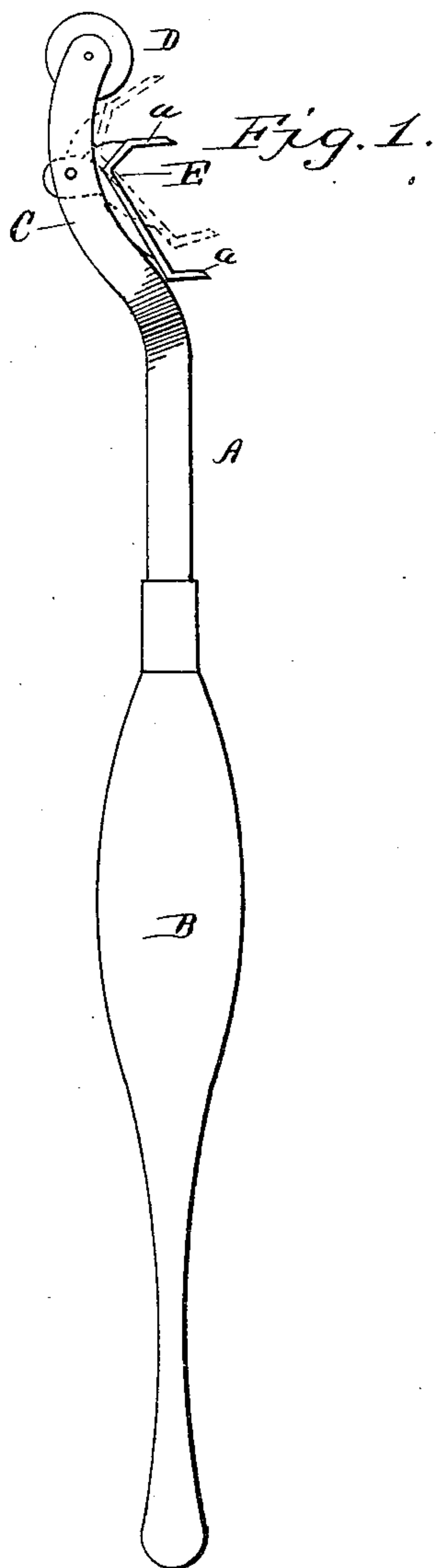
(No Model.)

A. L. BUTLER.

CAR MOVER.

No. 356,058.

Patented Jan. 11, 1887.



WITNESSES

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UNITED STATES PATENT OFFICE.

ASA L. BUTLER, OF DARTFORD, WISCONSIN.

CAR-MOVER.

SPECIFICATION forming part of Letters Patent No. 356,058, dated January 11, 1887.

Application filed October 7, 1886. Serial No. 215,564. (No model.)

To all whom it may concern:

Be it known that I, ASA L. BUTLER, a citizen of the United States, residing at Dartford, in the county of Green Lake and State of Wisconsin, have invented certain new and useful Improvements in Car-Movers, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain new and useful improvements in devices for moving or starting railway-cars; and it has for its objects to provide effective and simple means whereby loaded railway-cars may be moved from place to place without the aid of a locomotive or other apparatus.

The invention consists of a bent lever bifurcated at its forward end, and there provided with an anti-friction roller adapted to operate against the car-wheel, and a pivoted fulcrum-plate adapted to bear upon the rail when in use, as will be more fully hereinafter set forth, and particularly pointed out in the claims.

The means of carrying out my invention are fully illustrated in the accompanying drawings, in which—

Figure 1 represents a side view of my device; Fig. 2, a plan view of the same, and Figs. 3 and 4 detail views of the fulcrum plate.

Referring to the drawings by letter, A designates a lever provided with a suitable handle, B, which the operator grasps when using the device.

The lever A at its forward end is curved or bent, as shown at C, so that it will not interfere with the brake mechanism upon the car being moved. This forward curved portion is split or bifurcated, and between the arms thus formed, at their forward ends, a roller, D, is pivoted or journaled. In the slot formed by the bifurcated portions of the lever is also pivoted a fulcrum-block, E, consisting of a plate of metal bent at both ends, so as to form

extensions *a*, in which extensions are formed V-shaped notches with sharp edges, for the purpose of setting over the rail and gripping the same when the device is operated.

To use my device to move a car, place the fulcrum-block upon the rail and the roller against the tread of the wheel of the car. Then, by pressing down upon the lever, sufficient power will be obtained to move or start the car, which, by repeated operations, may be kept moving until it reaches its destination.

By my invention a single person may move loaded cars from place to place with considerable ease, and, by reason of the sharp-edged notches in the fulcrum-block, the cars may be moved about upon ice-covered rails without difficulty.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a car starter or mover, the combination, with the lever A, bifurcated at its forward end, of the roller D, journaled between the arms formed by the said bifurcation, and the fulcrum-block E, also pivoted in the said slot to the rear of the wheel D, and formed with two notched extensions, *a*, to embrace and grip the rail, substantially as described.

2. In a car starter or mover, the combination, with the lever A, curved and bifurcated at its forward extremity, of the roller journaled in the slot formed by said bifurcation, and a fulcrum-block, also pivoted in said slot, and provided with two notched extensions the edges of which are sharpened, substantially as specified.

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

ASA L. BUTLER.

Witnesses:

C. M. WALKER,
JOHN MAUDLIN.