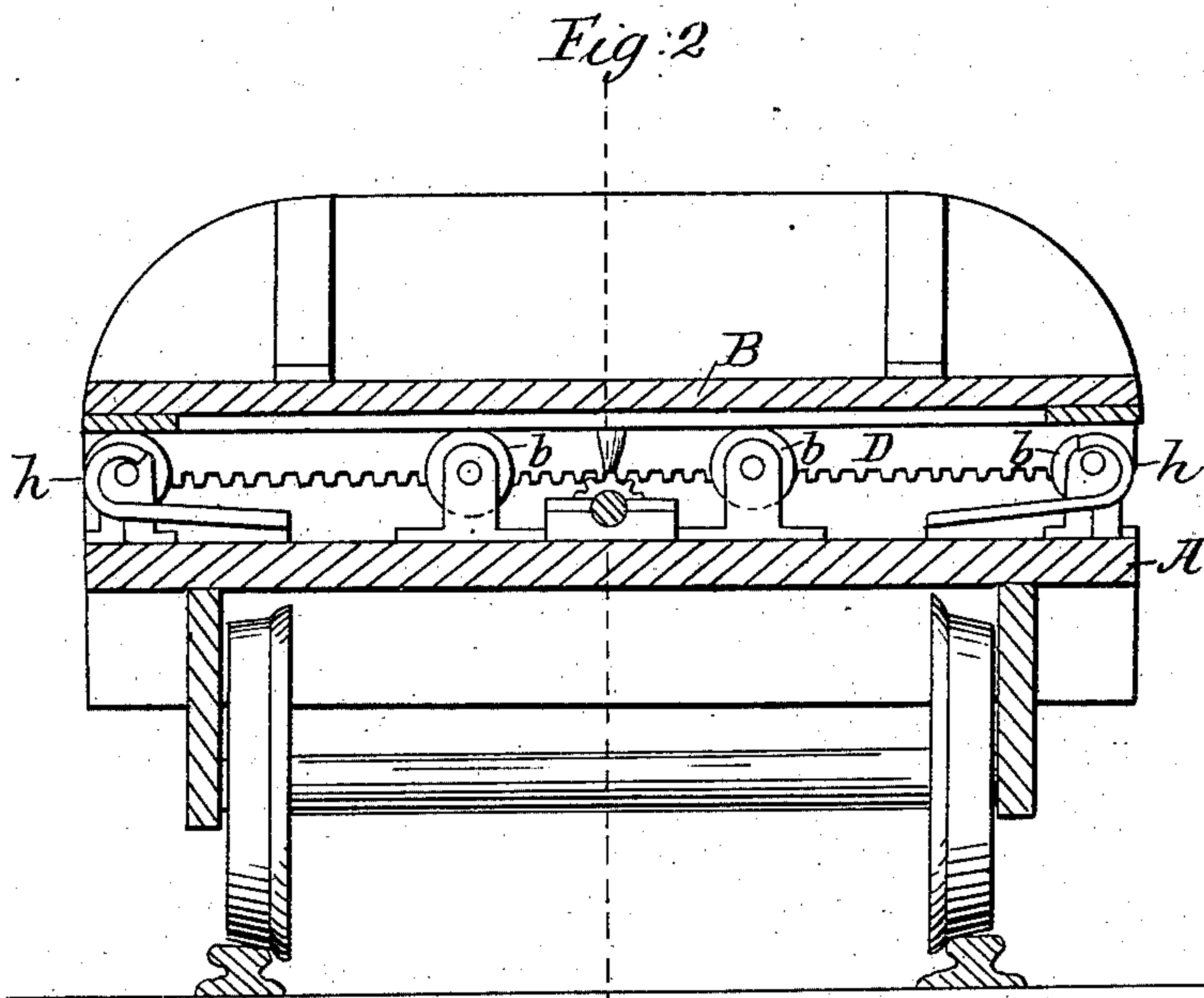
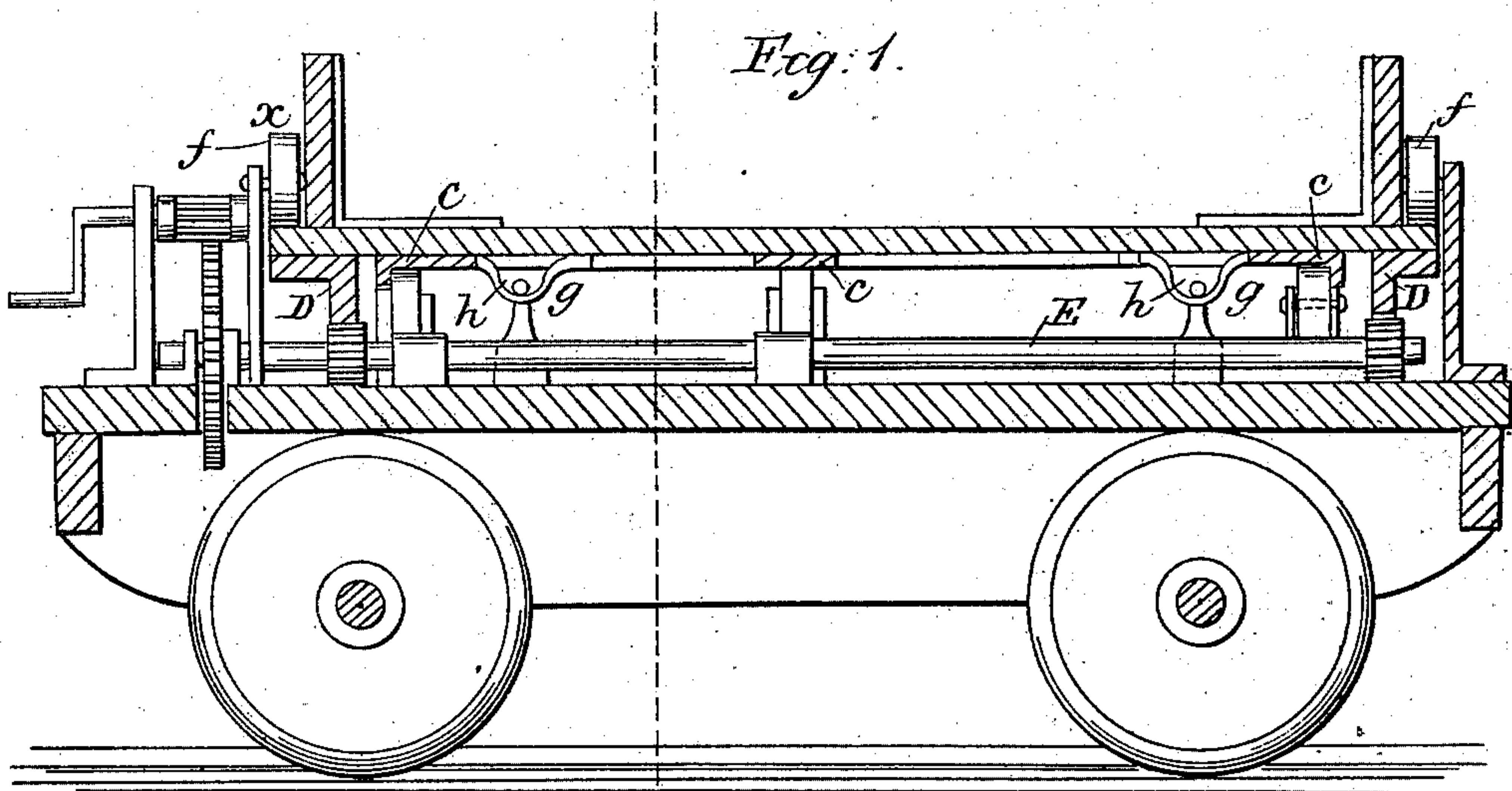


P. DANIELS.

Dumping Car.

No. 80,339.

Patented July 28, 1868.



Witnesses.

Wm Dean Overell
Chas. Cotton

Inventor

P Daniels
per Munroe & Co
attorneys

United States Patent Office.

PHYLANDER DANIELS, OF JACKSON, MICHIGAN.

Letters Patent No. 80,339, dated July 28, 1868.

IMPROVED DUMPING-CAR.

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, PHYLANDER DANIELS, of Jackson, in the county of Jackson, and State of Michigan, have invented a new and useful Improvement in Dumping-Cars; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a longitudinal section of a car provided with my improvement, and

Figure 2 represents a transverse section of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to provide a dumping-car which may be easily and quickly operated by one person.

It consists in the arrangement, on the platform of a car, of a dumping-bed fixed on wheels, and provided with racks and pinions, whereby the operator, by turning a crank, may move the said bed over the edge of the car until it will dump by the action of momentum and gravitation, the said bed being provided with staples which are caught by hooks suitably placed at the edges of the car, to prevent the dumping-bed from sliding off the car, and to hold it as on a pivot, to be restored to a level position by the operator previous to being returned by the racks and pinions to its normal position on the car, as will be more fully described on reference to the drawings, wherein—

A represents the platform of a car, on which the rollers *b* are arranged in suitable bearings, in three or any other desired number of lines, transversely of the said platform.

B represents the dumping-bed, provided with ways, C, by which it is supported, and runs on the said rollers *b*.

D represents racks, secured to the dumping-bed at each end, and gearing into pinions on the shaft E, which is connected at one end, or may be at both ends, by suitable gearings with hand-cranks.

f represents guide-rollers, secured to suitable posts rising up from the platform of the car, and arranged to bear on the upper face of the projecting ends of the dumping-bed, to keep it securely in its place on the rollers.

g represents strong staples, secured to the bottom of the dumping-bed near each end, and in the centre thereof transversely, which are caught by the hooks as the bed is moved to either side for dumping, and the further movement of the bed arrested.

The momentum of the bed, if the load be equally balanced, will cause it to dump, as will be readily understood, or it may be easily dumped when in this position by the operator, and as easily returned to its proper level, when it may be returned to its proper position on the car to be reloaded.

The guide-rollers *f* are placed in the centre of the platform, and the projecting ends of the dumping-bed are made somewhat narrower at this point, so that they may pass from under the said rollers, to allow the bed to dump, as described.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

A car-dumping-bed, provided with means for actuating it, substantially as and for the purpose described.

PHYLANDER DANIELS.

Witnesses :

JAS. A. DYER,

ALBERT A. ALLEN.