

A. PETELER.

Improvement in Dumping-Cars.

No. 115,514.

Patented May 30, 1871.

Fig: 1.

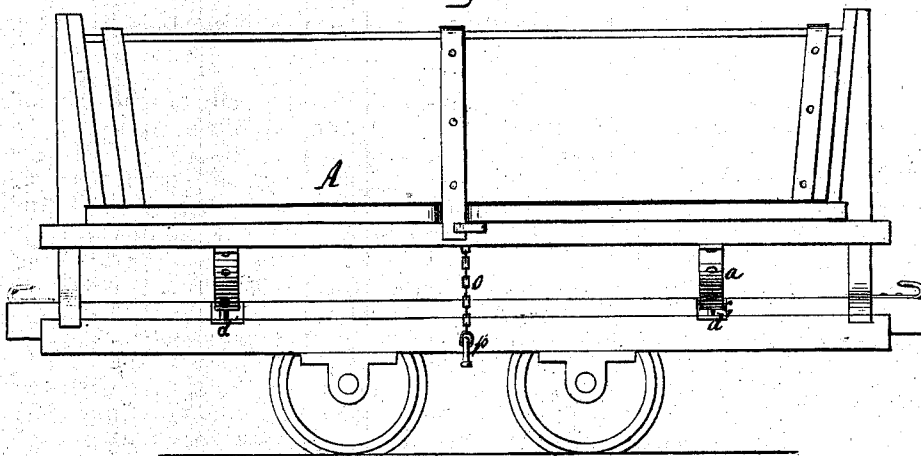


Fig: 2.

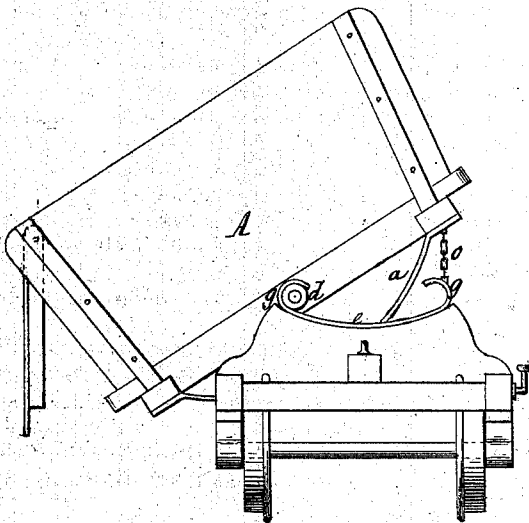
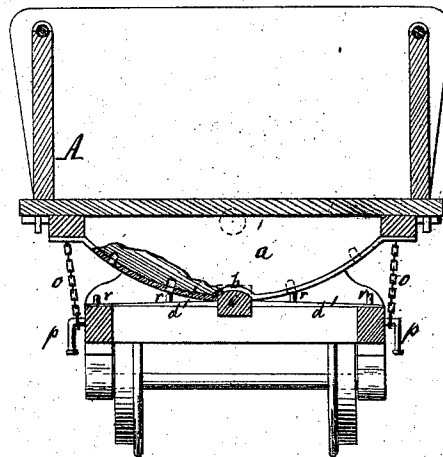


Fig: 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

ALOIS PETELER, OF NEW BRIGHTON, NEW YORK.

IMPROVEMENT IN DUMPING-CARS.

Specification forming part of Letters Patent No. 115,514, dated May 30, 1871.

To all whom it may concern:

Be it known that I, ALOIS PETELER, of New Brighton, in the county of Richmond and State of New York, have invented a new and useful Improvement in Dumping-Cars; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a side view of this invention. Fig. 2 is an end view of the same. Fig. 3 is a transverse section of the same.

Similar letters indicate corresponding parts.

This invention relates to a dumping-car, the box of which is provided with rockers, each of which is provided with a semicircular recess to catch over a rounded portion of the reach, from which reach extend in a lateral direction four inclined rails in such a manner that very little power is required to dump the contents of the box, while said box is prevented from moving endwise by the seats in the reach.

On the ends of the box are secured friction-rollers, which travel in segmental rails, the ends of which form hooks, in such a manner that when the box is tilted toward one side or the other the rollers are caught by the hooks and the box is prevented from dropping off from the track. To the sides of the box are secured check-chains, which can be made to catch over reversible buttons secured to the truck in such a manner that when both said chains are secured in their buttons the box is firmly held in position, and by turning either of the buttons the appropriate chain is released and the contents of the box can be dumped.

In the drawing, the letter A designates the box of my dumping-car, which is supported on rockers *a*. These rockers are provided with semicircular recesses *b*, to engage with seats, *c*, (see Fig. 3,) in the reach B, said seats being rounded and situated between shoulders or projections, as seen in Fig. 1, so that the rockers are confined in their positions and the box is prevented from moving lengthwise. From the seats *c* extend laterally the rails *d'*, which are inclined from the reach downward, so that when the box is turned down sidewise the

rockers will roll easily on the inclined rails, and comparatively little exertion is required to dump the contents of the box. From the rails *d'* project pins or teeth *r*, to engage with holes in the rockers, and to prevent said rockers from slipping on the rails during the operation of the dumping. If the rails *d'* are made horizontal it requires two or more men to dump a car filled with earth; but by making the rails inclined one man is enabled to perform the operation. In the ends of the box A are secured rollers *d*, which travel on segmental rails *e*, (see Fig. 2,) and the ends of these rails are bent into hooks *g*, so that during the operation of turning the box down sidewise the rollers *d* facilitate its motion, and that while the contents of the box are being dumped the rollers *d* catch in the hooks *g*, as shown in Fig. 2, and prevent the box from dropping off from the truck. On the sides of the box A are secured chains *o*, which can be made to catch under buttons *p* fastened in the truck-frame. If both these chains are secured in their buttons the box A is retained in a horizontal position.

The buttons are so constructed that they can be turned up to release their chains, and, if the check-chain on one side of the box is released, said box can be turned down toward the opposite side and its contents can be dumped; and after this object has been accomplished the box can be easily turned back and fastened in its horizontal position ready to receive a fresh load.

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

1. The rockers *a* provided with recesses *b*, resting in seats in the reach, in combination with inclined rails extending laterally from both sides of the reach and forming the supports for the rockers while the contents of the car are being dumped, substantially as set forth.

2. The rollers *d* in the ends of the box A, in combination with segmental rails *e* provided with hooks *g*, substantially as and for the purpose described.

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Witnesses:

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