

N.W.N.H. & C.W. Camp Dump Car.

117739

PATENTED AUG 8 1871

Fig. 1.

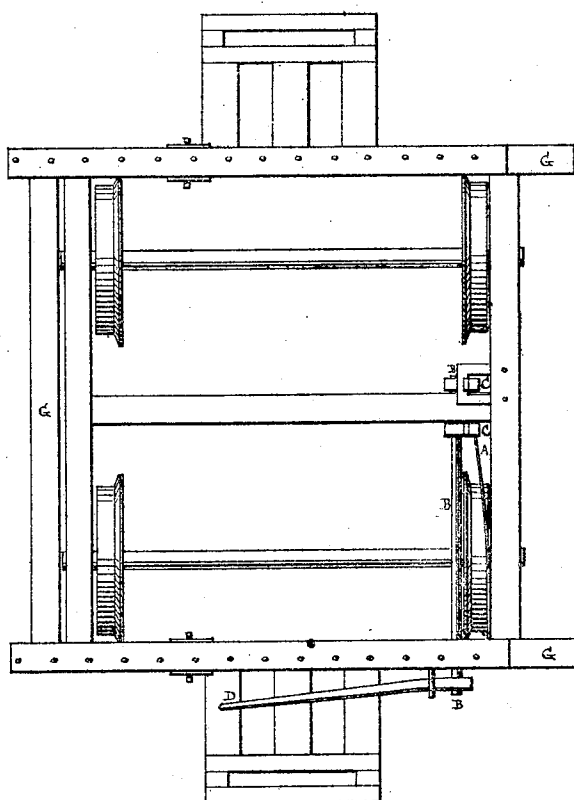
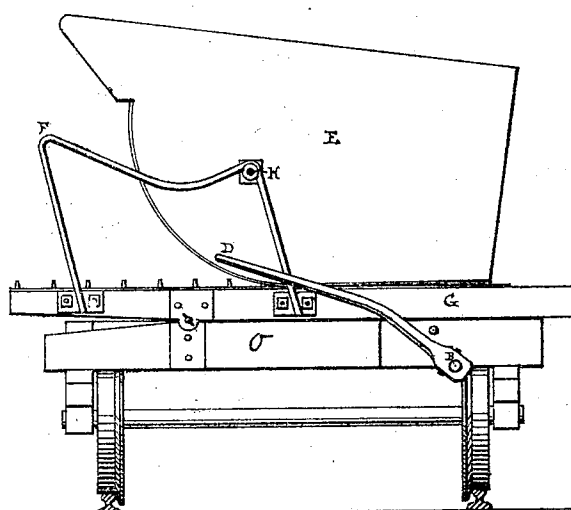


Fig. 2.



Witnesses.

F. J. Camp
Alice Camp
G. B. V. Camp.

Inventors.

N. W. Camp.
N. H. Camp.
William Camp.

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Fig. 3.

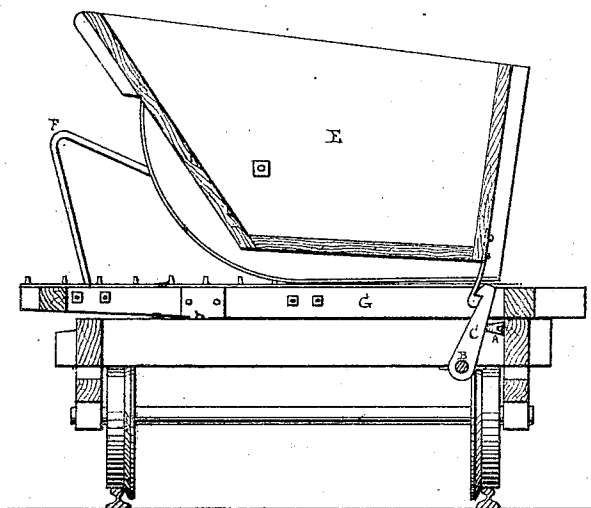
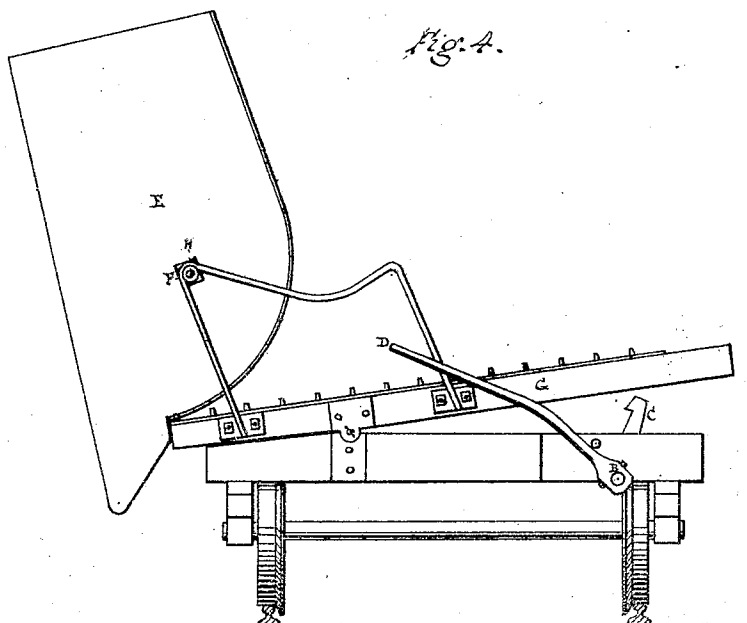


Fig. 4.



Witnesses.

F. J. Camp.
Alice Camp
G. B. V. Camp.

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UNITED STATES PATENT OFFICE.

NORMAN W. CAMP AND CHARLES WILLIAM CAMP, OF SARATOGA SPRINGS, NEW YORK, AND NORMAN H. CAMP, OF WILKESBARRE, PENNSYLVANIA.

IMPROVEMENT IN DUMPING-CARS.

Specification forming part of Letters Patent No. 117,739, dated August 8, 1871.

To all whom it may concern:

Be it known that we, NORMAN W. CAMP and CHARLES WILLIAM CAMP, of Saratoga Springs, Saratoga county and State of New York, and NORMAN H. CAMP, of Wilkesbarre, county of Luzerne and State of Pennsylvania, have invented a new and useful Improvement on the Gravel-Cars now in use upon Railroads; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, which is a transverse section representing the car loaded and at rest.

The nature of the alleged improvement is that the body or box E E makes a clean dump, its peculiar shape or form causing a constant preponderance in weight on one side of the center. The gravel-cars now in use must, in many cases, be dumped by hand and then shoveled out. Thus, we claim a great saving in labor. The object of the improvement is the saving of labor, as above described, and also a saving of time, in that the car is dumped by the brakeman alone in a much shorter time than the ordinary gravel-car; and by raising the handle D toward the side of the car the horizontal bar B is forced against the spring A, thereby releasing the catches C C, when the weight of the load forces down the tilting-

frame G, thereby giving to the hopper E E an impetus which causes it to careen until the shoulder H reaches the point of the guides F F, when the load is discharged.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. The combination of the catches or hooks C and C, and spring A operated by a lever, with the frame and body of a dumping-car, substantially as and for the purposes set forth.

2. The guides F F, in combination with the tilting or rocker-frame G, and the body or box E of a dumping-car, substantially as and for the purposes set forth.

3. The rocker or tilting-frame G, as described, constructed and arranged in relation to the dumping-car, in combination with the guides F F, and the frame G and box E, substantially as and for the purposes set forth.

4. A dumping-car, arranged and constructed throughout substantially as shown and described, and for the purpose set forth.

N. W. CAMP.

N. H. CAMP.

C. WILLIAM CAMP.

Witnesses:

ARTHUR CAMP,
FRANK E. CAMP.