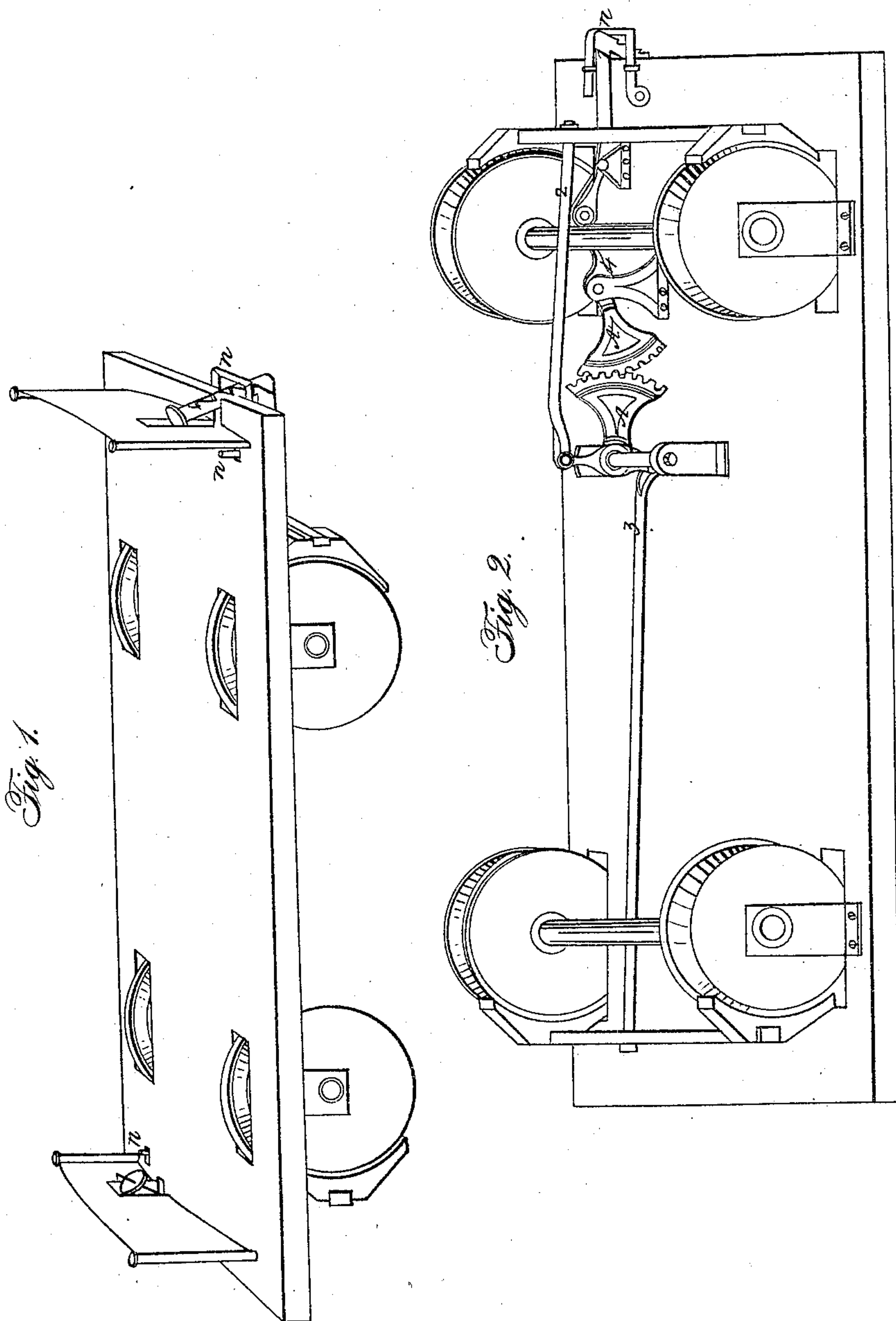


TODD & VANDEREAR.

Car Brake.

No. 50,051.

Patented Sept. 19, 1865.



Witnesses:

James P. McLean
Robert Welder

Inventor:

William W. Todd
John Vanderear

UNITED STATES PATENT OFFICE.

WILLIAM W. TODD AND JOHN VANDERCAR, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN CAR-BRAKES.

Specification forming part of Letters Patent No. **50,051**, dated September 19, 1865.

To all whom it may concern:

Be it known that we, WILLIAM W. TODD and JOHN VANDERCAR, of the city of Brooklyn, in the county of Kings and State of New York, have invented a novel and useful Improvement in Railroad-Car Brakes; and we hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, which are lettered to correspond with and form a part of the specification.

In order that the public may fully understand the nature of our invention, and those who are skilled in the manufacture thereof be enabled to construct the same, we will describe it as follows, to wit:

Figure 1 is a perspective drawing of the top of a railroad-car, showing the foot-lever 1 with spring or other suitable catch, *n*, which holds the lever 1 down by means of notches or otherwise. Fig. 2 is a perspective drawing of the under side of a railroad-car, showing the segmental cogged plate A A', levers 1, 2, 3, and 4, by which means the rubbers or shoes *s s* are brought and held in contact with the car-wheels by simply placing the foot upon the lever 1.

The moment the foot is removed the reac-

tion of the gear relieves the wheels unless prevented by the spring-catch *n* or some other suitable device.

We are aware that cog-wheels with endless chain and other attachments have been used for such purposes; but the arrangement and use of the segmental cogged plates A A' with levers 1, 2, 3, and 4, arranged so as to operate at either or both ends of the car, if necessary, at the same time upon all four of the wheels, we believe to be new and useful. Therefore,

What we claim as novel and useful, and what we wish to secure by Letters Patent of the United States of America, is—

The segmental cogged plates A A', operated by the foot at either or both ends of the car at the same time by means of levers 1 2 3 4, arranged in the manner and for the purpose substantially as described and shown in the drawings.

In testimony whereof we hereunto subscribe our names in the presence of two witnesses.

WM. W. TODD.
JOHN VANDERCAR.

Witnesses:

JOHN W. SWEENEY,
JAMES P. McLEAN.