

JESSE DARLING.

Improvement in Car-Brake.

No. 125,665.

Patented April 16, 1872.

Fig. 1.

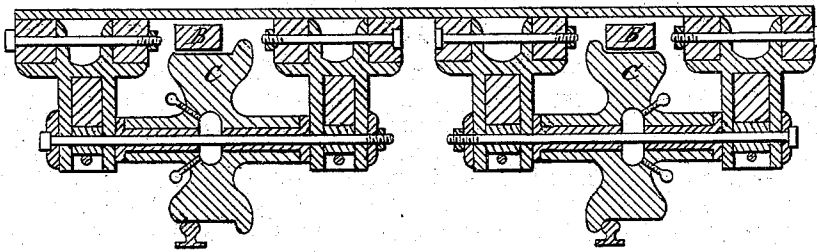


Fig. 2.

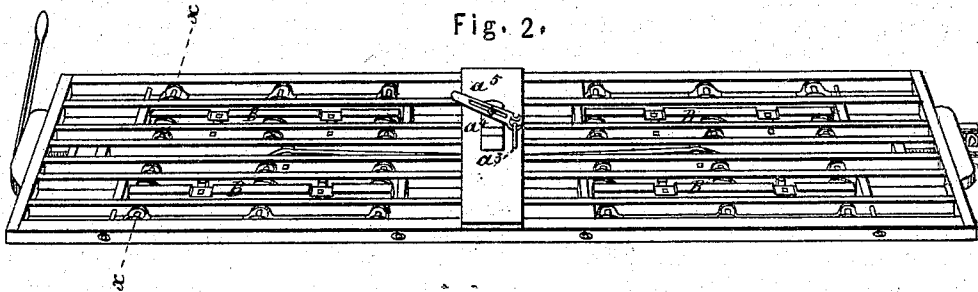
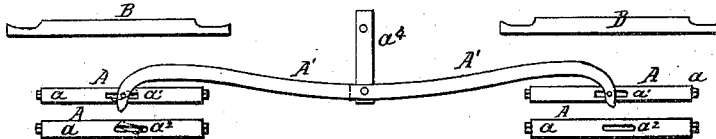
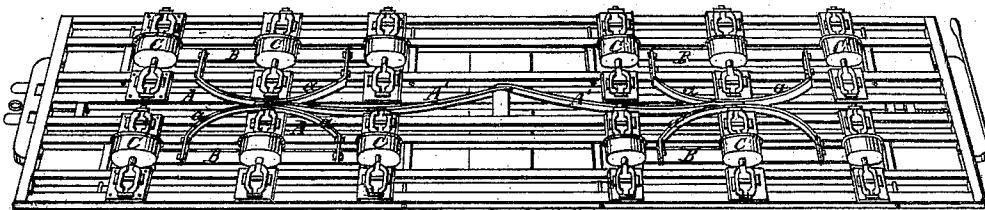


Fig. 3.



Witnesses:

F. 4.

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UNITED STATES PATENT OFFICE.

JESSE DARLING, OF WHISTLER, ALABAMA.

IMPROVEMENT IN BRAKES FOR RAILWAY CARS.

Specification forming part of Letters Patent No. 125,665, dated April 16, 1872.

Specification describing certain Improvements in Car-Brakes, invented by JESSE DARLING, of Whistler, in the county of Mobile and State of Alabama.

This invention relates to an improved car-brake; and it consists of slotted levers supplied with bars designed to be brought in contact with the car-wheels, when the said bars are to be applied to the same, in combination with rods or handles, through which the brake is operated, substantially as hereinafter more fully described and claimed.

In the drawing, Figure 1 is a transverse section through the line *xx* of Fig. 2. Fig. 2 represents a plan view of a car with my brake attached; and Fig. 3 is an inverted or bottom view of the same.

Similar letters of reference in the several figures refer to corresponding parts.

To enable others to make and use my invention I will proceed to describe it.

In the accompanying drawing, A A refer to two sets of levers, each set of which consists of two compound levers, *a a*. Each of these levers is supplied with a beam or bar, B B, having its lower side made slightly concave at the points of contact between it and the car-wheels C C. The fulcrums of these compound levers, of which there are two to each lever, are passed through apertures therein at the juncture of the straight portions thereof with the curvilinear portions of the same, and through recesses made in screw-bolts fastened

to rails or joists of the car. In the curvilinear portions of these levers are cut or otherwise formed diagonal slots *a¹ a¹ a² a²*. The slots of each pair of levers run in contrary directions, and receive lugs or projections upon two levers or rods, A' A'. By means of these levers *a a*, with the slots *a¹ a²*, it will be seen that when the rods A' A' are raised or depressed the brakes or beams B B will be each simultaneously applied to or relieved from the car-wheels. The rods or levers A' A' are connected loosely together at the inner ends, and have attached to them a vertical rod or staple, *a³*, passing up through the center of the car. Contiguous to this staple is fastened a post, *a⁴*, having a right-angular projection, upon which slides a slotted lever, *a⁵*. This lever *a⁵* is bifurcated, or has hooks at its lower end, so as to take hold of the staple *a³* when it is desired to operate the brakes, said staple being susceptible of vertical movement.

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

The slotted levers A A, having brakes B B, in combination with the rods A' A', arranged and operated substantially as shown, and for the purpose set forth.

JESSE DARLING.

Witnesses:

ANDREW BEEDER,
WM. MCCONAGHY.