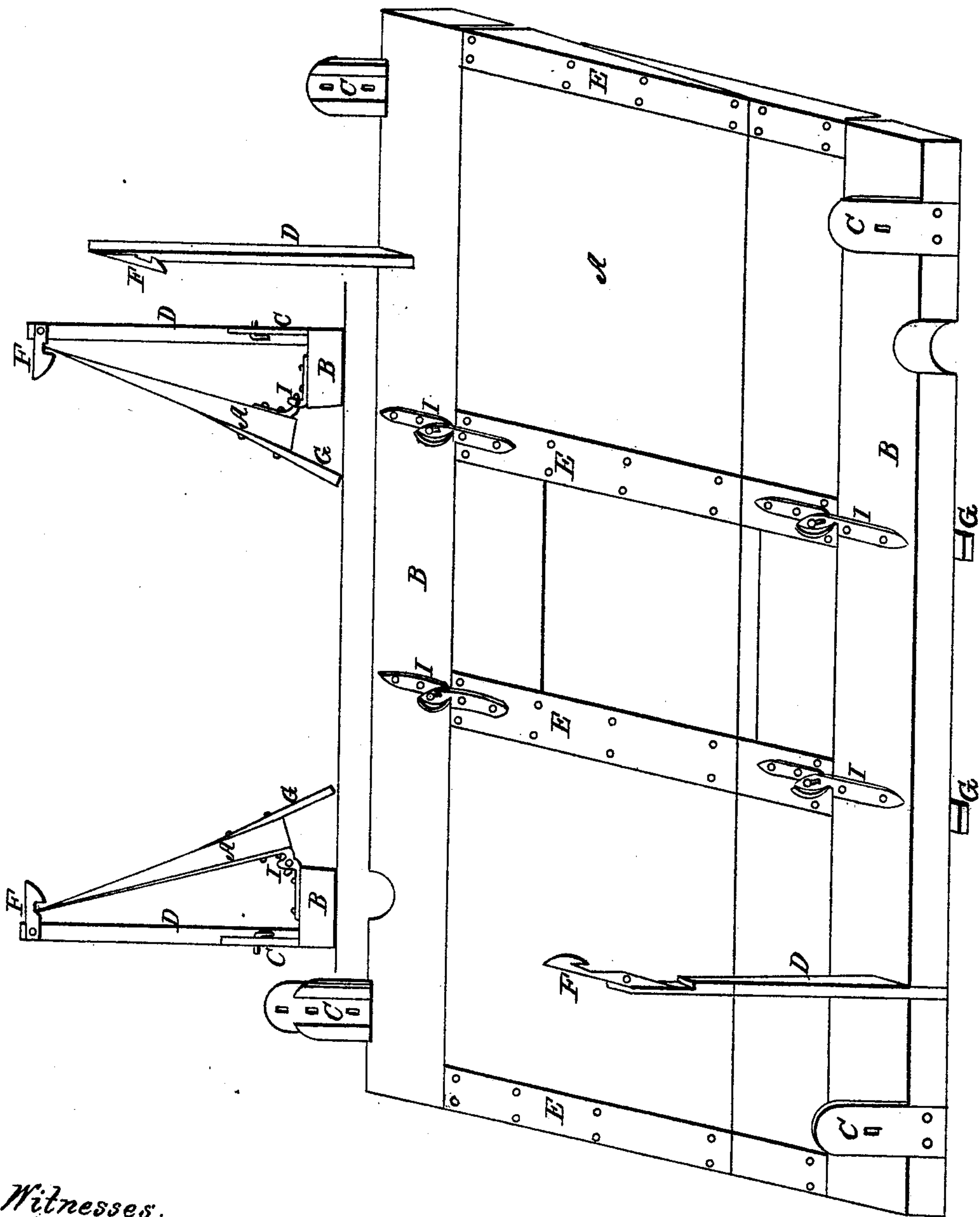


L. M. PLATT.
Safety Bridge.

No. 91,366.

Patented June 15, 1869.



Witnesses;
H. M. Gilbert
J. W. Lowrey

Inventor;
Lawrence M. Platt



LAWRENCE M. PLATT, OF CHICAGO, ILLINOIS.

Letters Patent No. 91,366, dated June 15, 1869.

IMPROVED RAILWAY-CAR DUSTER.

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, LAWRENCE M. PLATT, of the city of Chicago, in the county of Cook, and State of Illinois, have invented a new and useful Improvement in Safety-Bridge and Duster for Railroad Passenger-Coaches, of which the following is a full and clear and exact description, reference being had to the accompanying specifications and drawings, making part of this specification.

First, that the safety-bridge and duster is made the width of the passenger-coach attached, and wide enough so as to overlap each other, and not draw off in starting.

The lower part of said bridge to be a little below a level at the outer edge, so that when the other part of the bridge is upon it, it will be nearly level, and not rise above the lower platform of the bridge.

A represents a platform.

B is a small piece put on to some cars that are round at the end, and the ratchet-wheel projects over the end of the car.

The platform A is made on a bevel about one inch thick where attached to B by hinges, and the outer edge not over one-fourth of an inch in thickness.

It also has four strips of iron crosswise of platform A, one at each end, and one at each hinge. Also a plate of metal between the two inner strips, running about two-thirds up to B from outer edge.

The hinges are put on as near the centre of the bridge as the passage-way from one car to another.

The hinge is made with a long slot, thereby giving the bridge all motion that the cars ever have, either

tilting, vertical, or lateral motion, and at the same time not allowing the dust to rise between the cars.

C is a slide attached to the end of the passenger-coach, so that it can be raised and lowered to suit the different heights in coaches, also to make the bridge adjustable.

D is a standard with a catch, to hold up the platform, so that it will not be in the way of coupling or uncoupling cars.

F is the catch, which is always in position to hold the platform when elevated.

E are the strips of iron, or any metallic substance to strengthen the platform A.

G are metal projections underneath the platform, and are to help to support the platform A, taking off part of the strain of the hinges.

The safety-bridge and duster, as seen by A, slides forward and backward, as to the motion of the cars; also has the tipping and tilting motion.

Claims.

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

1. The construction and arrangement of a railway-car "safety-platform or bridge," in the manner and for the purpose herein described.

2. The combination of the piece B, adjustable slide C, and platform A, in the manner and for the purpose herein described.

LAWRENCE M. PLATT.

Witnesses:

WM. WIBERT,

J. W. GOUVEY.