

H. S. WILCOX.
Car Platform.

No. 68,327.

Patented Aug. 27, 1867.

Fig. 1.

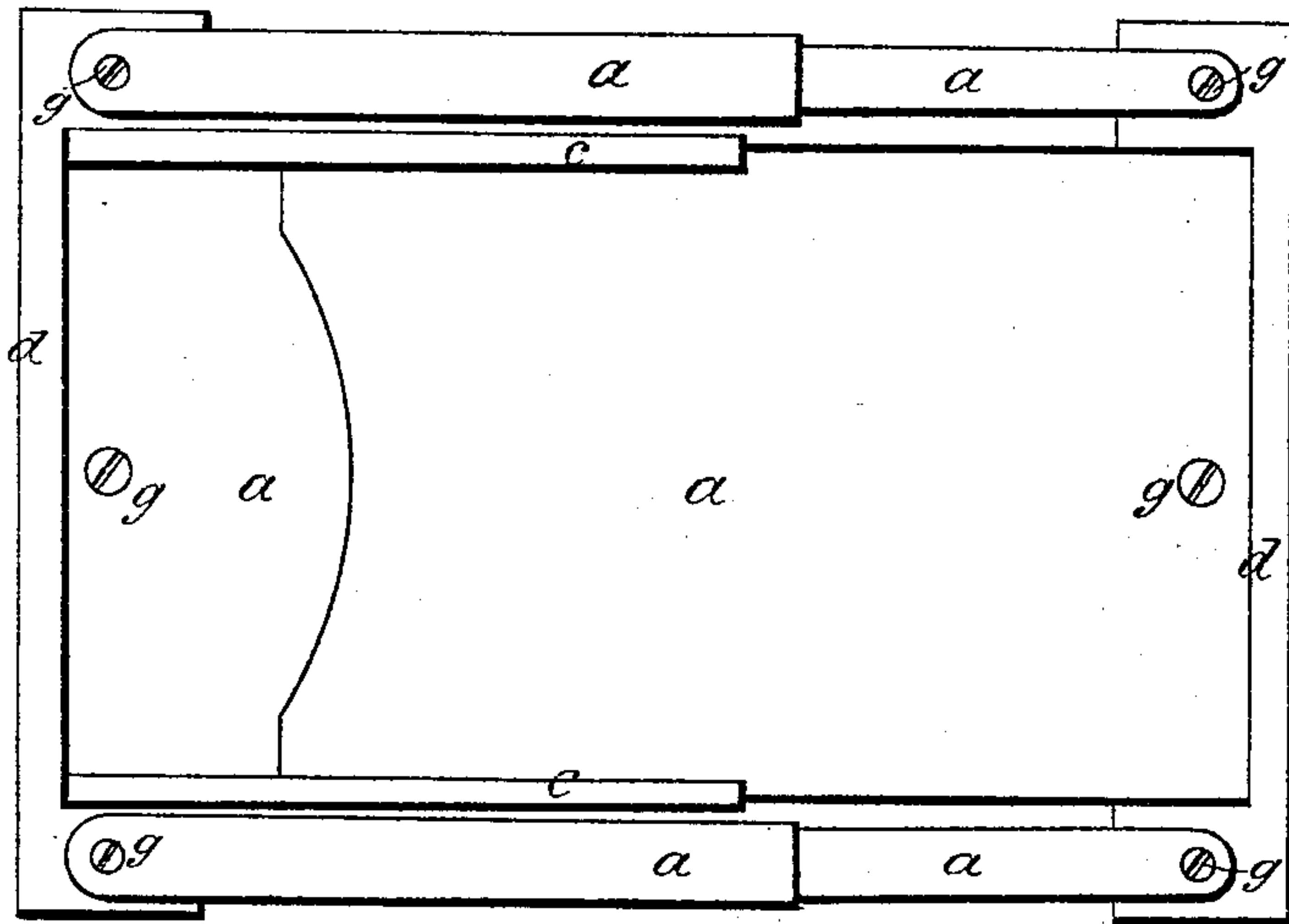


Fig. 2.

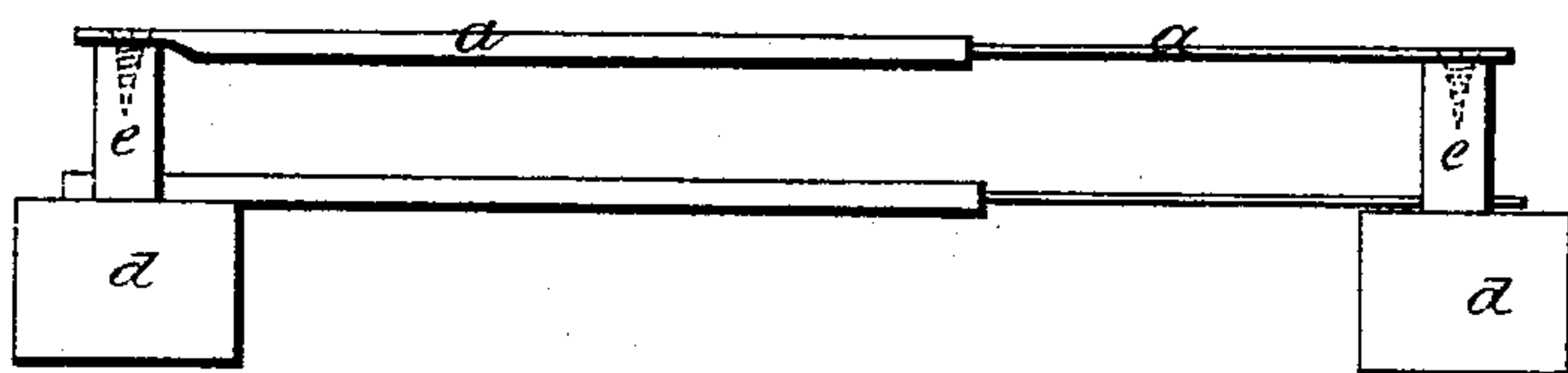
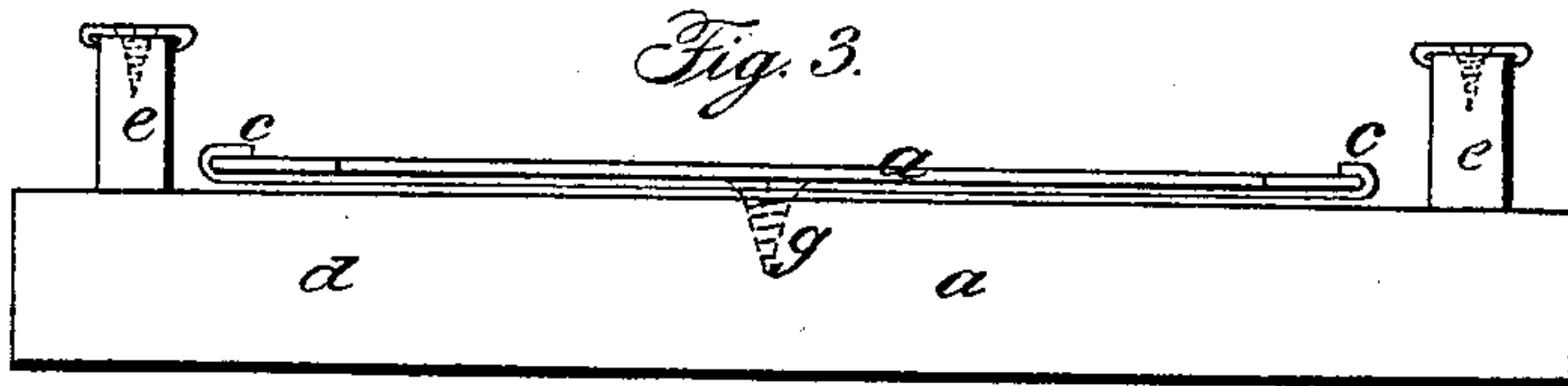


Fig. 3.



Witnesses:

George W. Smith
Benj. P. Ford

Inventor:

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United States Patent Office.

HENRY S. WILCOX, OF WEST MERIDEN, CONNECTICUT.

Letters Patent No. 68,327, dated August 27, 1867.

IMPROVED CAR-PLATFORM.

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, HENRY S. WILCOX, of West Meriden, county of New Haven, and State of Connecticut, have invented certain new and useful improvements in Safety-Rail and Platform to protect persons while passing from one car to another on railways while said cars are in motion; and to enable others skilled in the art to make and use the same, I will proceed to describe it, referring to the drawings, in which the same letters indicate like parts in each of the figures.

The nature of this improvement will be understood from the specification and drawings.

The object desired to be attained thereby is to provide a platform and rail of the simplest form of construction, consisting of broad metal plates secured so as to work together by clasp-joint, and expand and contract to conform to the varying motion of the cars, and so as to effectually protect persons passing from one car to another while they are in motion. In the accompanying drawings—

Figure 1 is a top or plan view.

Figure 2 is a side view.

Figure 3 is an end view.

a are sheet-metal plates of the proper width required for a platform or rail, one of which has a groove formed on its side edges, in which to receive another plate, and allow it to play back and forth closely and freely therein. *c* are grooves formed on the edges of the plates. *d* represents the platform of the cars. *e* are the posts arranged on each side of the passage from one car to the other to form portion or supports of the end railing. *g* are bolts or pins, by means of which one end of each part of the platform or rail is secured to the platform *d*, or to the side or end of the posts *e*. Thus, by securing the end of one of the plates to the platform of one car, and the end of the other plate to the platform of the other car by means of the pins or bolts *g*, and also securing the ends of the plates *f*, which form the side rail, to the posts *e* in the same way, it will be seen that the plates thus arranged will expand and contract according to the varying motion of the cars, and a safe passage is secured from one car to the other. In this way I am enabled to produce a cheap, simple, and efficient platform and rail, and to form a safe passage from one car to another while the cars are in motion, without any liability of injury to persons while passing over or between said platform and rail.

I believe I have thus shown the nature, construction, and operation of this my invention so as to enable others skilled to make and use the same therefrom.

I claim the car-platform, constructed with plates *a a'*, railing *f f'*, supported by the posts *e e*, and secured to the cars by bolts or screws, all constructed and arranged substantially as described, and for the purpose set forth.

Witnesses:

GEO. W. SMITH,
BENJ. P. FOOTE.

HENRY S. WILCOX. [L. S.]