

(No Model.)

J. W. WEST.

CAR ROOF.

No. 303,684.

Patented Aug. 19, 1884.

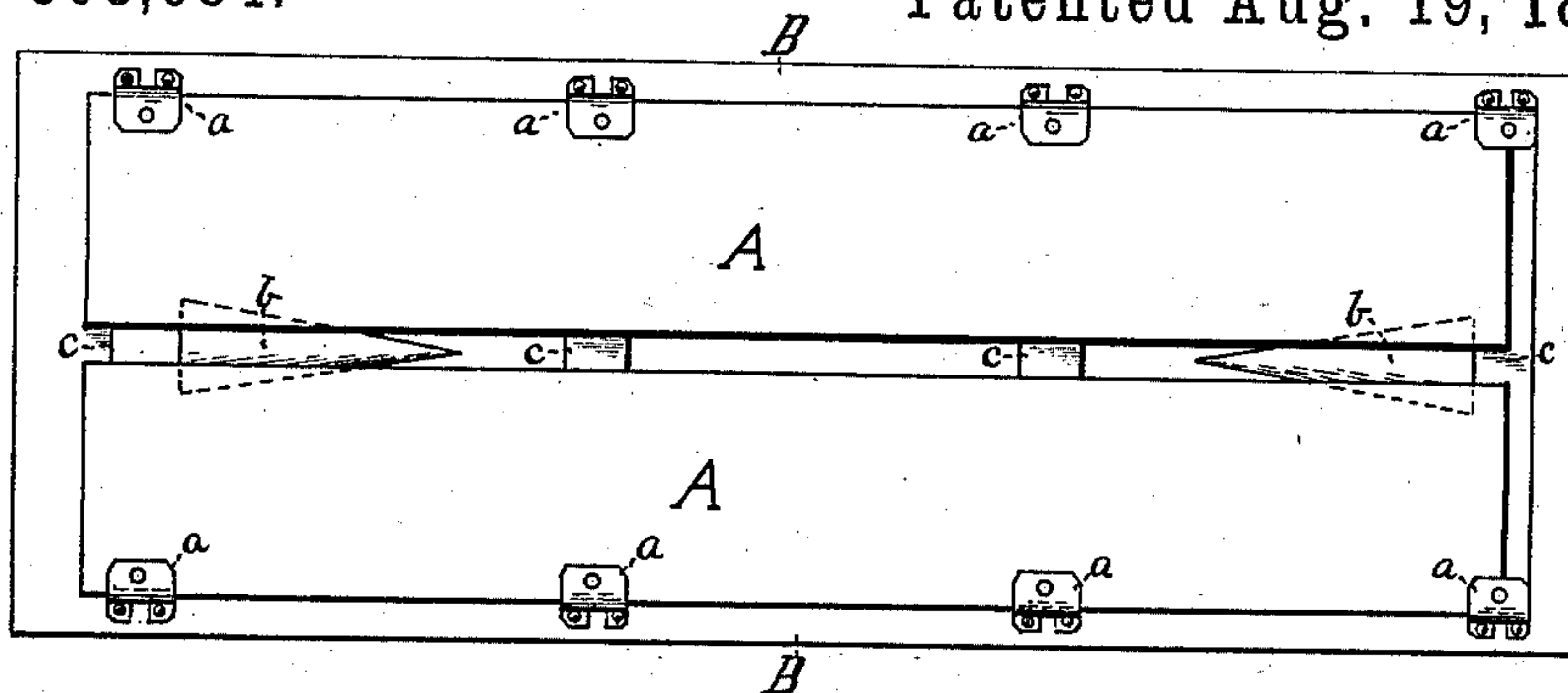


Fig. 1.

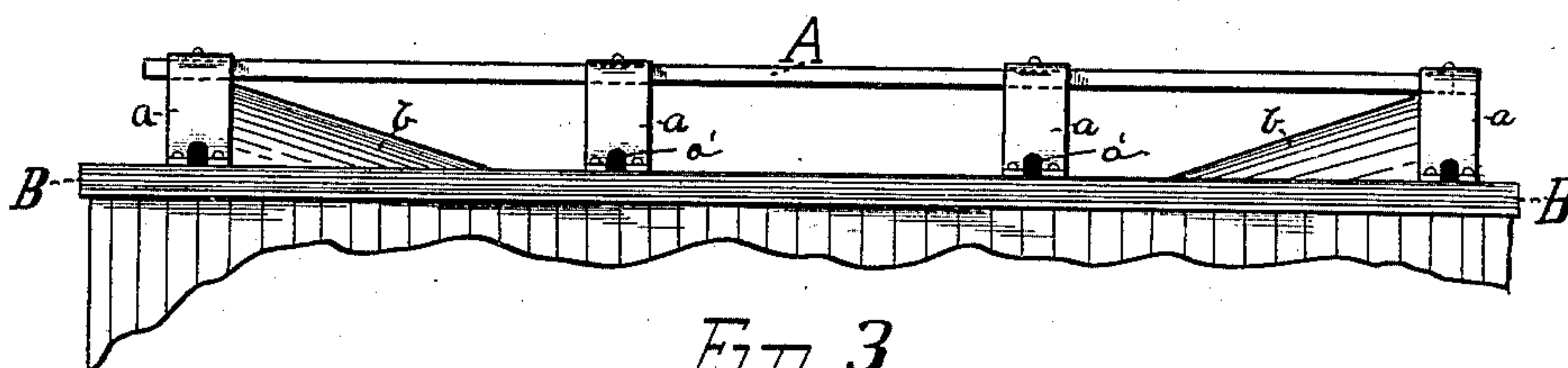


Fig. 3.

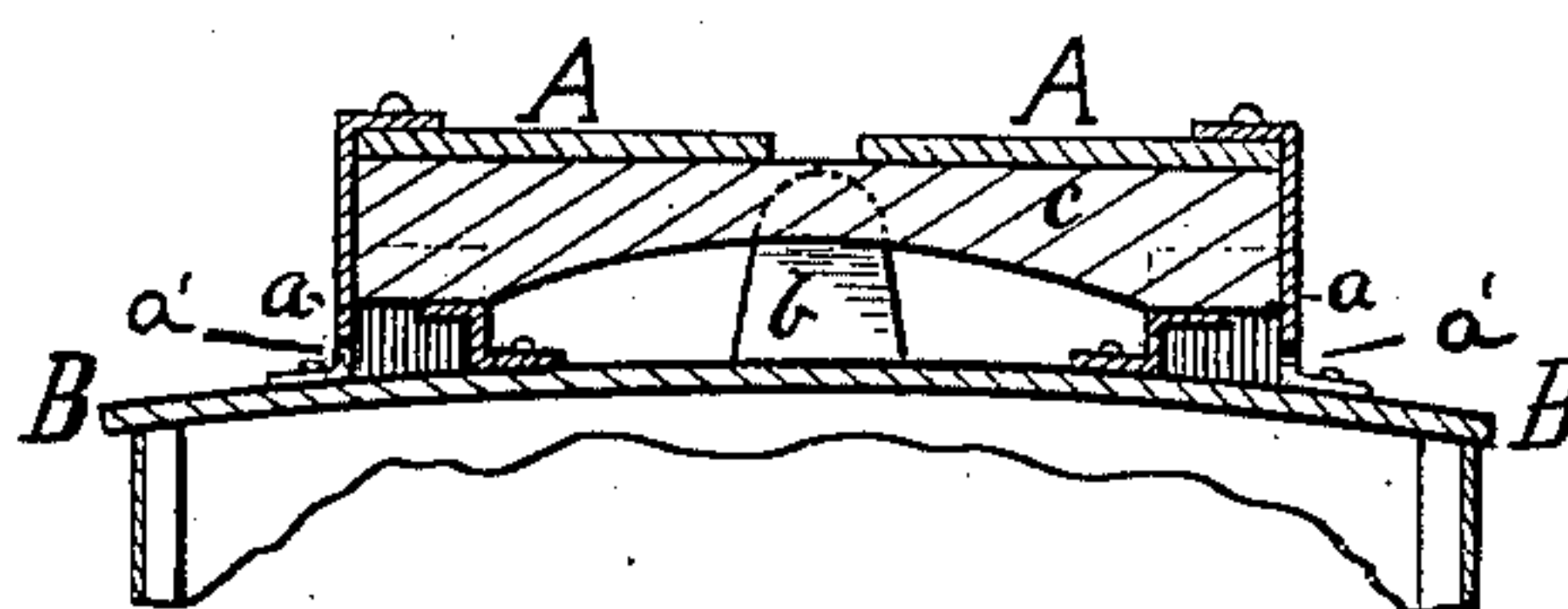


Fig. 2.

WITNESSES.

J. A. Burns,  
J. A. Cunn.

INVENTOR.

John W. West.  
by J. N. Stevenson  
Attorney

# UNITED STATES PATENT OFFICE.

JOHN W. WEST, OF VERONA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO  
JOHN R. CRIBBS, OF SAME PLACE.

## CAR-ROOF.

SPECIFICATION forming part of Letters Patent No. 303,684, dated August 19, 1884.

Application filed March 28, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN W. WEST, of Verona, Allegheny county, Pennsylvania, have invented a new and useful Improvement in Car-Roofs, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

Similar letters of reference indicate corresponding parts.

10 My invention relates to the board or footwalks running along the top of freight-cars, over which brakemen pass as they go from car to car.

15 In the accompanying drawings, Figure 1 is a plan view; Fig. 2 is a cross-sectional view, and Fig. 3 a side view.

20 A A are board walks. Usually on each car there are two of these lying parallel with each other and near to each other, and extending the whole length of the car-roof. These walks are supported on the cross-pieces c c c c, and these pieces c c are supported from the car-roof by the boxes a a a a, which may be made from tin, zinc, iron, brass, copper, or galvanized iron. There may be any number of these cross-supports c as considered adequate to support the weight likely to go upon them, but to illustrate my invention I show in the drawings only four of them.

30 B is the roof proper of the car. On this roof the boxes a a a a are tightly soldered or otherwise properly fastened. The cross-supports c c c c are made to fit closely in these boxes a a a a, and then well secured. b b are 35 braces to prevent the footwalk from moving lengthwise. I make these supports or braces b b of wood, and cover them over with tin or other sheet metal, and make them pointed underneath the footwalk, as seen in the drawings, 40 so that when the dirt from the locomotive is being blown through under the walk no part

of it can find lodgment. It will be seen that I have the supports c c c c raised up from the roof B high enough so that dirt and dust can pass entirely through. As these footwalks 45 are constructed now the dirt is lodged at the ends of the walk and there stays, to the damage of the car-roof by rust, &c. By raising these cross-supports entirely off the roof, except as they may rest on the boxes a a a a, I 50 make it possible for all dirt, &c., to be blown through and off.

a' a' a' a' are water-holes in the boxes a a a a, for the purpose of allowing all water that may get in said boxes to flow out. 55

As footwalks are now constructed, they are on supports that rest immediately on the roof, and hence the latter is quickly damaged by rust.

Having thus described my invention, what I 60 claim, and desire to secure by Letters Patent, is—

1. A footwalk for freight-cars, having the metallic boxes a, cross-pieces c, and boards A, in combination with the roof B, substantially 65 as described, shown, and set forth.

2. In a footwalk for freight-cars, the combination of the boards A, supports c, brace b, boxes a, and a car-roof, substantially as described and shown. 70

3. The metallic boxes a, in combination with the roof B, for the purpose of supporting a footwalk for cars, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as 75 my invention I hereunto set my hand in presence of two witnesses.

JOHN W. WEST.

Witnesses:

R. L. KENT,  
R. M. WATSON.