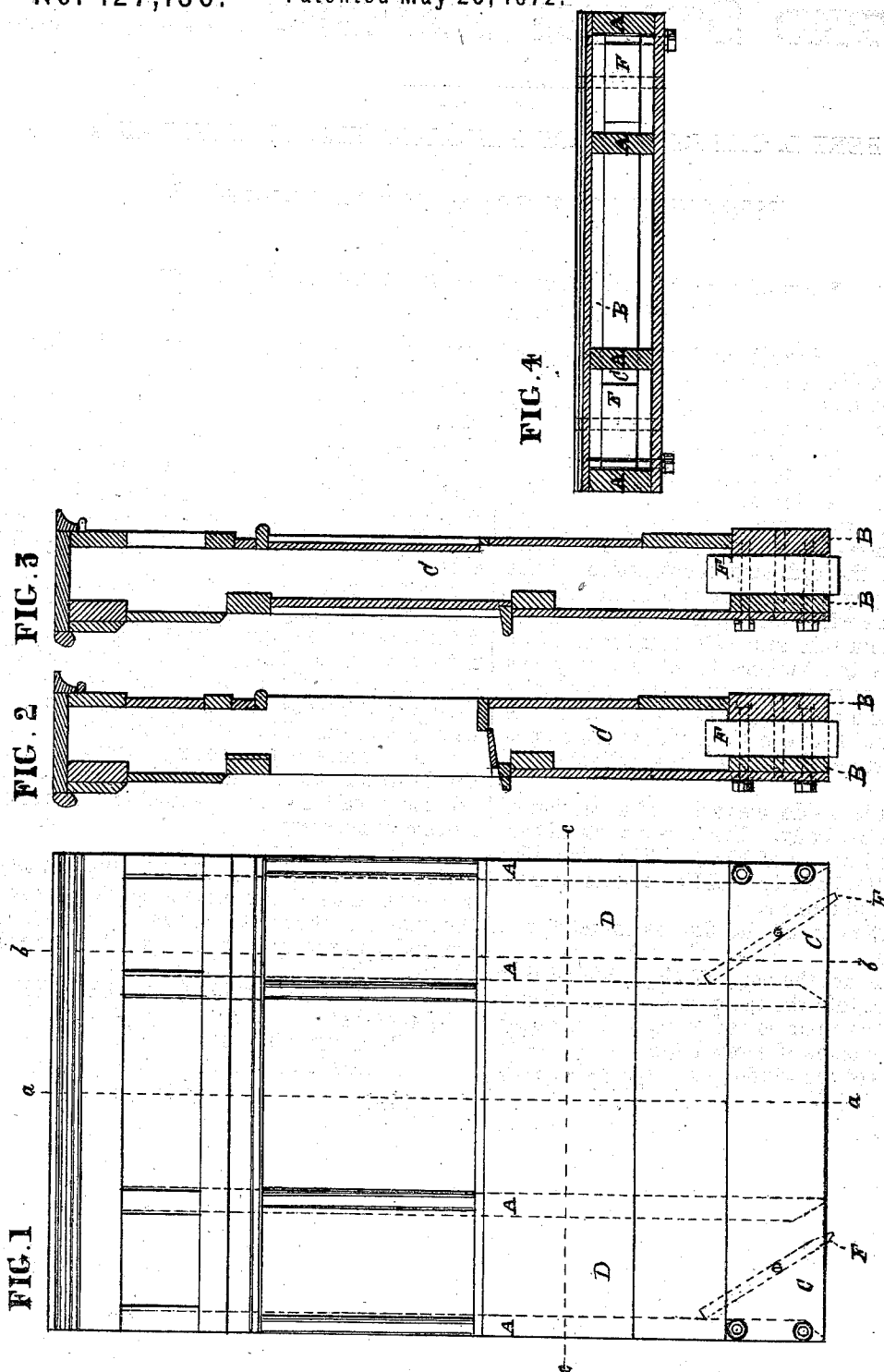


ROBERT L. OMENSETTER.
Improvement in Railway Car-Bodies.
No. 127,186. Patented May 28, 1872.



Witnesses
Thomas J. Bawley,
Jas W. Harrison

Inventor.
Robert L. Omensetter
By His Attorney.
Stephen Utch

UNITED STATES PATENT OFFICE.

ROBERT L. OMENSETTER, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN RAILWAY-CAR BODIES.

Specification forming part of Letters Patent No. 127,186, dated May 28, 1872.

Specification describing certain Improvements in Car-Bodies, invented by ROBERT L. OMENSETTER, of the city of Philadelphia and State of Pennsylvania.

The object of my invention is the construction of car-bodies in such a manner as will prevent the collection of moisture in the joints of the frame work, more especially the joints of the window-sills and the sills of the bottom frame. In the ordinary construction of the cars, in stormy weather the rain beats into the joints of the window-sills, and also into those of the bottom sills, and collects in the mortises and causes the timbers to rot in a very few years. To obviate this evil I bisect the lower sill, so as to make the flues at each side of the windows and between the window-posts open at the bottom to prevent the collection of water.

Figure 1 is a side elevation of a section of a side of a car-body. Fig. 2 is a vertical section at the line *a a* of Fig. 1. Fig. 3 is a like section at the line *b b*; and Fig. 4, a horizontal section at the line *c c*.

Like letters in all the figures indicate the same parts.

A A A A are the posts of the section. B B are sills, let into the inner and outer sides of the posts at their lower ends, and confined thereto by means of screw-bolts. The flues D at the sides of the windows and spaces beneath

same are thus extended between the sills at C to the bottom of the car-frame.

It will readily be seen that the water which would otherwise collect in the joints of the window-sills and the lower sills, is allowed to run down through the flues and pass off from the frame, so as to keep it perfectly dry, and thus prevent decay of the timbers incidental to the construction of the frame with single sills.

The forward movement of the cars creates a downward draught through the flues, which facilitates the passage of the water which may get inside of the flues; and also draws off the moisture from the timbers, and by keeping them dry prevents the speedy decaying which usually occurs. The deflecting-plates F are for the purpose of preventing dust passing up the flues; but, as they are fully described in another application of mine, a further description I deem unnecessary.

I claim as my invention—

The combination of the double sills B B with the lower ends of the posts A, so as to extend the flues D to the bottom of the car-frame, substantially in the manner and for the purpose above set forth.

ROBERT L. OMENSETTER.

Witnesses:

STEPHEN USTICK,
JAMES I. ALLISON.