

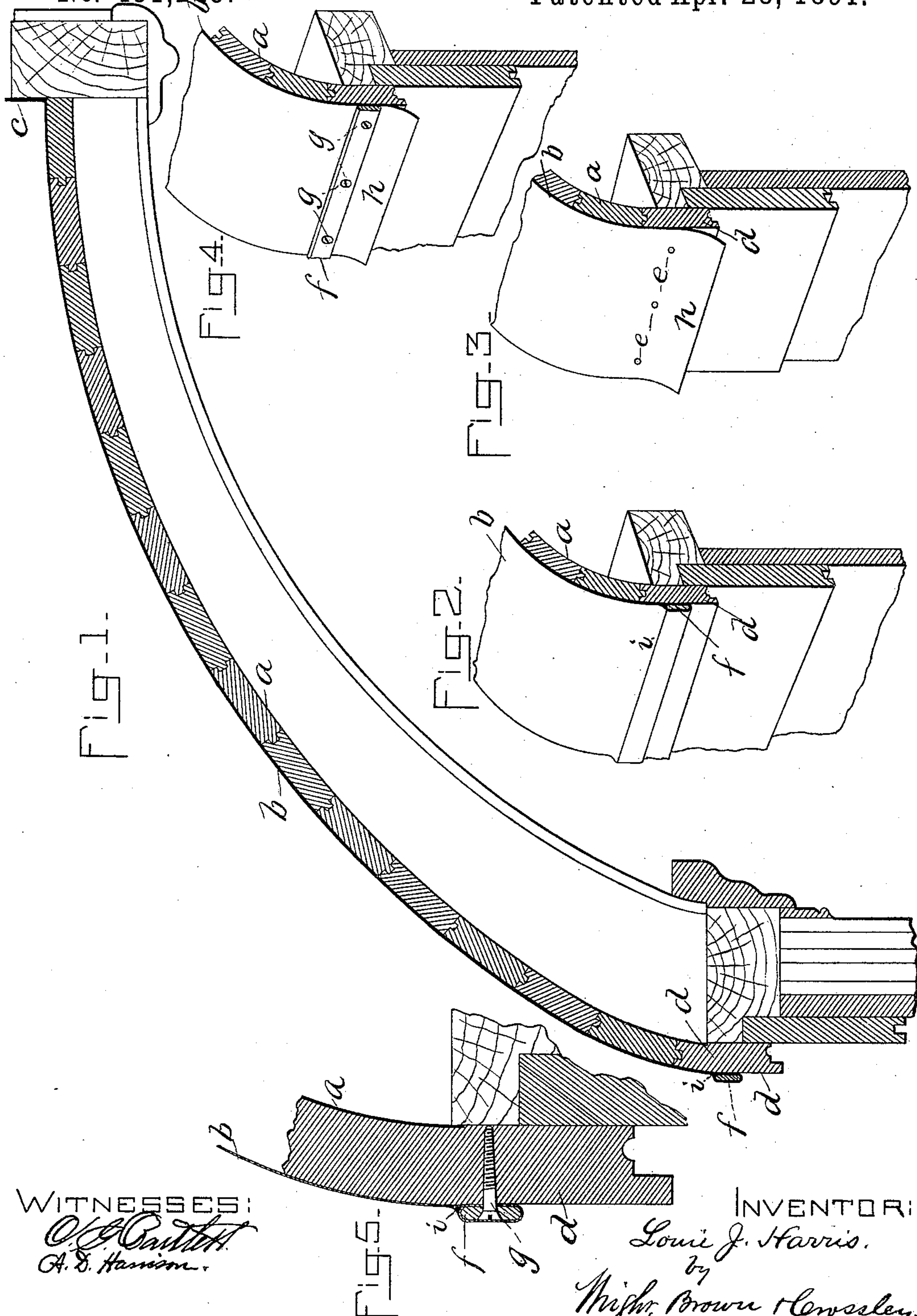
(No Model.)

L. J. HARRIS.

ART OF AND MEANS FOR SECURING THE ROOF TIN OF CARS UPON THE
EAVES MOLDING BOARDS.

No. 451,243.

Patented Apr. 28, 1891.



WITNESSES:

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INVENTOR:

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by
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UNITED STATES PATENT OFFICE.

LOUIE J. HARRIS, OF BOSTON, MASSACHUSETTS.

ART OF AND MEANS FOR SECURING THE ROOF-TIN OF CARS UPON THE EAVES-MOLDING BOARDS.

SPECIFICATION forming part of Letters Patent No. 451,243, dated April 28, 1891.

Application filed April 29, 1890. Serial No. 349,962. (No model.)

To all whom it may concern:

Be it known that I, LOUIE J. HARRIS, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in the Art of and Means for Securing the Roof-Tin of Cars upon the Eaves-Molding Boards, of which the following is a specification.

This invention relates to railway-cars generally, and particularly to railway passenger cars or coaches.

It is the object of the invention to so improve the manner of securing the outer or lower edge of the tin or other covering of the roof as to keep water from settling or entering around the nails, screws, or other fastenings, resulting in the rusting of the covering and the decaying of the wood around such fastenings, loosening the covering and otherwise damaging the roof.

It is also the object of my invention to provide such an improvement in the manner of securing the roof-covering to the eaves-molding board as will materially improve the appearance of the latter.

My invention will first be described in detail and with reference to the accompanying drawings and letters of reference marked thereon, forming a part of this specification, and then pointed out in the claims.

Of the drawings, Figure 1 is a sectional view of so much of a car-roof and adjacent parts as is necessary to show in order to explain my invention. Fig. 2 is a perspective detail, partially in section, showing the invention in complete form. Fig. 3 is a perspective detail, partially in section, showing the covering as tacked upon the eaves-molding board. Fig. 4 is a view similar to Fig. 3, with the holding-strip secured upon the covering and eaves-molding board along the line where the covering was tacked on the molding. Fig. 5 is a sectional detail, drawn to an enlarged scale, showing all features of the invention.

The same letters designate the same parts or features, as the case may be, wherever they occur.

In the drawings, *a* indicates the roof made up of roof-boards, as usual.

b indicates the covering secured at its upper edge upon the roof at its junction with the clear story or monitor *c* in any suitable manner.

The covering *b* is stretched upon the roof and tacked (or it may be otherwise secured) to the eaves-molding board *d*, as at *e*, along a line near the lower edge of the tin. The holding-strip *f* is then secured to the covering and eaves-molding. It may be by screws *g*, as herein shown, along the line at which the roof-covering was tacked to the eaves-molding covering the nails or tacks *e*, as shown in Fig. 4. I then bend the portion *h* of the covering below the strip *f* up over the latter and solder or otherwise secure the edge to the body of the sheet on a line just above the strip, as at *i*, in such manner as to secure a smooth and entirely water-tight joint. In this way I completely cover the nails and other means by which the covering is secured to the eaves-molding board and protect such means and the parts with which they come into contact against water and the consequent results of such happenings, and at the same time form an ornamental molding on the eaves-molding board, as is clearly shown in Fig. 2 of the drawings.

Having thus explained the nature of my invention and described a way of making and practicing the same, I declare that what I claim is—

1. The improvement in the art of securing the roof-covering of a car upon the eaves-molding board and forming a molding upon said board, which consists in attaching a holding-strip to the said board and upon the covering near the lower edge thereof, and turning the portion of the covering projecting below the strip up over the latter and securing the edge of the covering to the body thereof by solder or otherwise above the strip, as set forth.

2. The combination, with the car-roof, the covering thereon, and the eaves-molding board, of the holding-strip secured to the said board and upon the covering, the projecting edge of the latter being turned over the strip and soldered or secured to the body of the covering, as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 21st day of April, A. D. 1890.

LOUIE J. HARRIS.

Witnesses:

ARTHUR W. CROSSLEY,
A. D. HARRISON.