L. W. LOVING.

CORNER IRON FOR VEHICLE BODIES.

APPLICATION FILED APR. 6, 1908.

917,324. Patented Apr. 6, 1909.

Fig. 1.

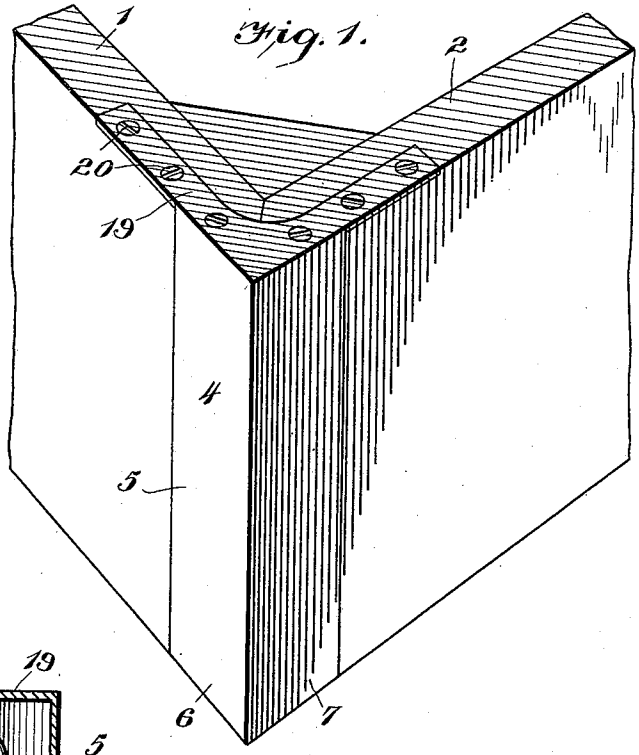
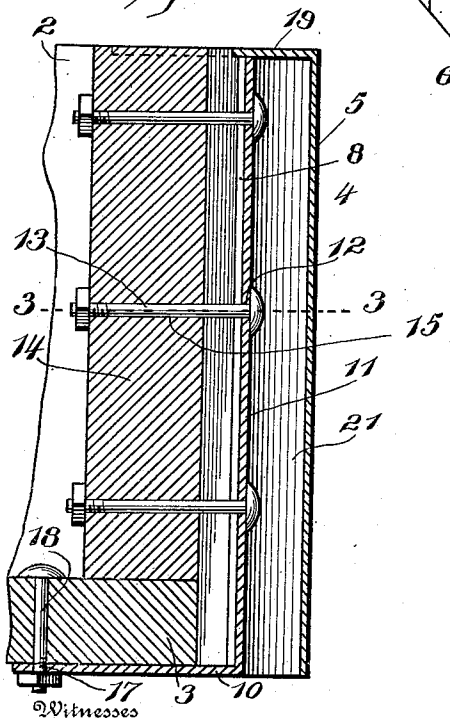


Fig. 2.

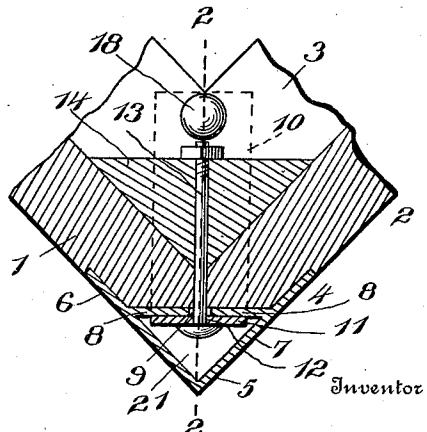


Witnesses

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Fig. 3.



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CORNER-IRON FOR VEHICLE-BODIES.

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Application filed April 6, 1908. Serial No. 425,533.

To all whom it may concern:

Be it known that I, LESLIE W. LOVING, citizen of the United States, residing at Paris, in the county of Henry and State of Tennessee, have invented certain new and useful Improvements in Corner-Irons for Vehicle-Bodies; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to corner irons for vehicle bodies and has for its object to provide a device of this character for the purpose of securely holding together and in firm position the side planks or pieces of the vehicle body and the bed frame of the body.

While my device is particularly adapted for use on vehicle bodies it is of course evident that it can be employed wherever it is desired to hold securely planks or pieces meeting each other at an angle of substantially 90 degrees.

With these objects in view my invention consists in the novel construction of the corner iron and in certain combinations of parts all of which will be first fully described and afterward specifically pointed out in the appended claims.

Referring to the accompanying drawing: Figure 1 is a perspective view illustrating the application of my invention to the side planks of a vehicle body. Fig. 2 is a vertical sectional view through the same taken on line 2—2 of Fig. 3, and Fig. 3 is a horizontal sectional view taken on line 3—3 of Fig. 2.

Like numerals of reference indicate the same parts throughout the several figures in which;

1 and 2 indicate the side planks of a vehicle body and 3 the bed frame thereof.

4 indicates the corner iron which as clearly shown in Fig. 3 comprises the angle corner post 5 composed of the faces 6 and 7. Each of the faces 6 and 7 is provided with an inwardly projecting flange or wall 8, said walls 8 approaching each other and forming a slot 9 between the inner edges thereof.

Referring to Fig. 2 and also to Fig. 3 it will be seen that I provide a bottom brace 10 which is provided with an extension or strap 11 preferably of a length equal to that of the angle post 5, said extension or strap 11 being perforated at 12 to receive suitable bolts 13. Within the corner made by the suitable planks of the body I provide a triangular strip or post 14 also provided with perforations 15 registering with the perforations 12 in the extension or strap 11 to receive the bolts 13 as clearly shown in Figs. 2 and 3. In the bottom brace 10 which extends under the bed frame 3 I provide a perforation 17 to receive a bolt 18 passing through said bed frame 3. Upon the top of the corner iron I provide an angle plate 19 provided with suitable holes or perforations to receive fastening screws 20 entering the side planks of the body.

As shown in Figs. 2 and 3 the extension or strap 11 of the bottom brace 10 enters the corner iron on the outside of the flanges or walls 8 and within the space 21 which is formed between said walls or flanges 8 and the faces 6 and 7 of the corner post 5.

Having thus fully described the several parts of my invention its operation is as follows: The side planks and bed frame being in position to be secured or fastened at the corner, the bottom brace 10 is placed in position and the bolts 13 passed through the triangular post 14 as shown in Fig. 12, said bolts, however, not being set up. The corner post 5 is then passed down and over the extension or strap 11, the walls or flanges 8 passing between said extension or strap 11 and the ends of the side planks 1 and 2 of the body. When the corner post 5 is in this position as shown in Fig. 2 the nuts on the bolts 13 are set up and the bolt 18 put in position and secured. The angle plate 19 is then fastened by screws or in any other suitable manner as shown in Fig. 1.

By setting up on the bolts 13 the corner post 14 is drawn tightly in engagement with the side planks 1 and 2 of the body while the faces 6 and 7 of the corner post 5 is drawn tightly into engagement with the outer surfaces of the side planks 1 and 2 as shown in Fig. 3. By this construction the side planks and bed frame of the body are securely anchored together in such manner that the device is rendered extremely strong and rigid. It will also be noticed that none of the fastenings on the corner iron 4 are visible which greatly improves the appearance of the body.

Having thus fully described my invention what I claim as new and desire to secure by Letters Patent of the United States is;—

1. A corner iron for vehicle bodies com-

prising an angle corner post for engagement with the outer sides of the side planks of the body, a bottom brace extending over the bed frame of the body and having an extension or strap constructed to enter the said angle corner post, a corner post adapted to be arranged to engage the inner sides of the side planks of the body, a fastening means passing through said extension or strap and through said last mentioned corner post to tie the parts together, substantially as described.

2. A corner iron for vehicle bodies comprising an angle corner post constructed to engage the outside of the side planks of the body, a bottom brace extending over the bed frame and provided with an extension or strap arranged to enter said angle corner post, a corner post arranged to engage the inner sides of the side planks of the body, and means for fastening the parts together, substantially as described.

3. A corner iron for vehicle bodies comprising an angle corner post, said corner post comprising two side faces and a wall or flange on the inner surface of each of said side faces, said walls or flanges on said side faces approaching each other forming a slot between the contiguous edges of said walls or flanges, a fastening means passing through said slot for fastening the said corner post in position on the side planks of the body.

4. A corner iron for fastening together the contiguous planks of a vehicle body or the like, comprising an angle corner post for engagement with the outer sides of the side planks of the body or the like, said corner post comprising two side faces and a wall or flange on the inner surface of each of said side faces, said walls or flanges approaching each other and forming a slot between the contiguous edges of said walls or flanges, an extension or strap within said corner post in engagement with the said walls or flanges formed on the side faces of the corner post, and a fastening means carried in said extension or strap and passing through said slot formed between the said walls or flanges on the said side faces of the corner post.

In testimony whereof, I affix my signature, in presence of two witnesses.

LESLIE WAGGENER LOVING.

Witnesses:
JNO. N. JACKSON,
ALBERT GRIFFIN