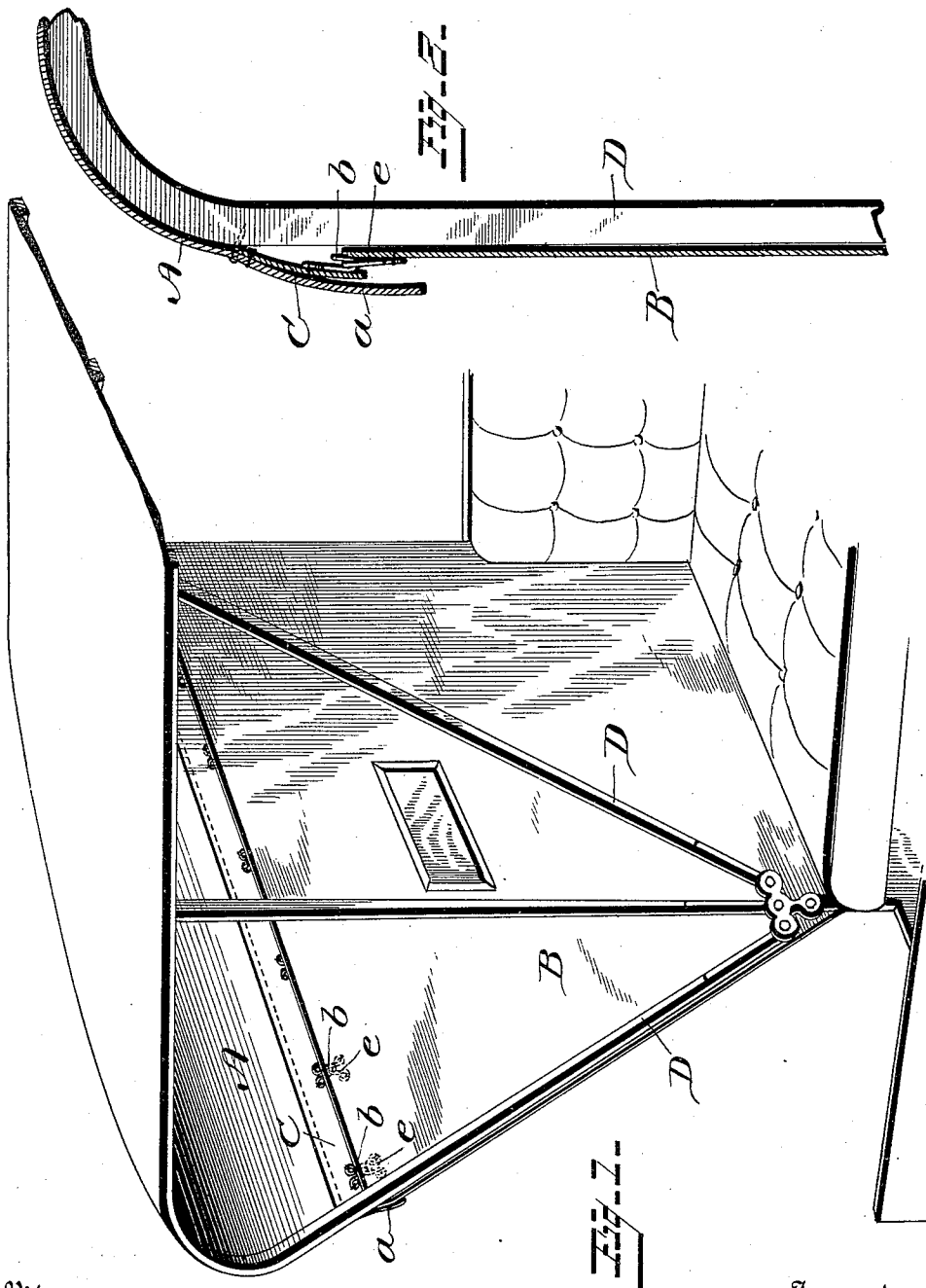


(No Model.)

P. LUGENBELL.
STORM CURTAIN FOR VEHICLE TOPS.

No. 479,910.

Patented Aug. 2, 1892.



Witnesses
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UNITED STATES PATENT OFFICE.

PETER LUGENBELL, OF GREENSBURG, INDIANA, ASSIGNOR OF ONE-HALF TO
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STORM-CURTAIN FOR VEHICLE-TOPS.

SPECIFICATION forming part of Letters Patent No. 479,910, dated August 2, 1892.

Application filed October 27, 1891. Serial No. 409,986. (No model.)

To all whom it may concern:

Be it known that I, PETER LUGENBELL, a citizen of the United States, residing at Greensburg, in the county of Decatur and State of Indiana, have invented certain new and useful Improvements in Means for Attaching Storm-Curtains to Vehicle-Tops; and I do hereby 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.

This invention relates to vehicle-tops, and especially to the manner of securing the storm-curtains to the quarters.

The object of the invention is to shed the water and obviate a space between the lower edge of the quarter and the top edge of the storm-curtain, thereby excluding the rain.

The improvement consists of the novel features and the peculiar construction and combination of the parts, which will be herein-after more fully described and claimed, and which are shown in the annexed drawings, in which—

Figure 1 is a perspective view of a portion of a buggy-top, showing the application of the invention. Fig. 2 is a cross-section of one side of the buggy-top, showing the storm-curtain in position.

The vehicle-top shown in the accompanying drawings is illustrated to show the application of the invention. Obviously the invention is designed to be applied to all vehicles in which the storm-curtain is removably attached to the quarters. The lower portion *a* of the quarter *A* is left free for purposes of attaching thereto on the inner side the storm-curtain *B*, which curtain is connected with the portion *a* in any convenient manner. In the preferred form a strip *C* is secured to the quarter and is provided with hooks or other

fastenings *b*, which engage with eyes or suitable complementary fastenings *e* near the upper edge of the curtain *B*. By providing the strip *C* the strain is more evenly distributed on the quarter and the latter prevented from injury when the said curtain *B* is subjected to abnormal strain at any particular point.

In practice the upper edge of the storm-curtain is inserted between the portion *a* of the quarter *A* and the bows *D* and is secured to the quarter by passing the hooks *b* through the eyes *e*. It will be observed that the said portion *a* overlaps the upper edge of the storm-curtain and prevents an intervening space for the entrance of rain and also serves to shed the water.

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

1. In a vehicle-top, the combination, with a quarter having its lower portion *a* free and a strip *C* attached to said portion *a*, of a storm-curtain constructed to be attached to said strip *C* and have its upper edge overlapped by the said portion *a*, substantially as shown, and for the purpose specified.

2. The combination, with a vehicle-top having the lower portion *a* of its quarter free and a strip *C*, secured near its upper edge to the portion *a*, of the storm-curtain and complementary fastenings provided on the said strip *C* and the upper edge of the storm-curtain, substantially as shown, for the purpose set forth.

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

PETER LUGENBELL.

Witnesses:

JOHN C. IMLAY,
JAMES MCCONNELL.