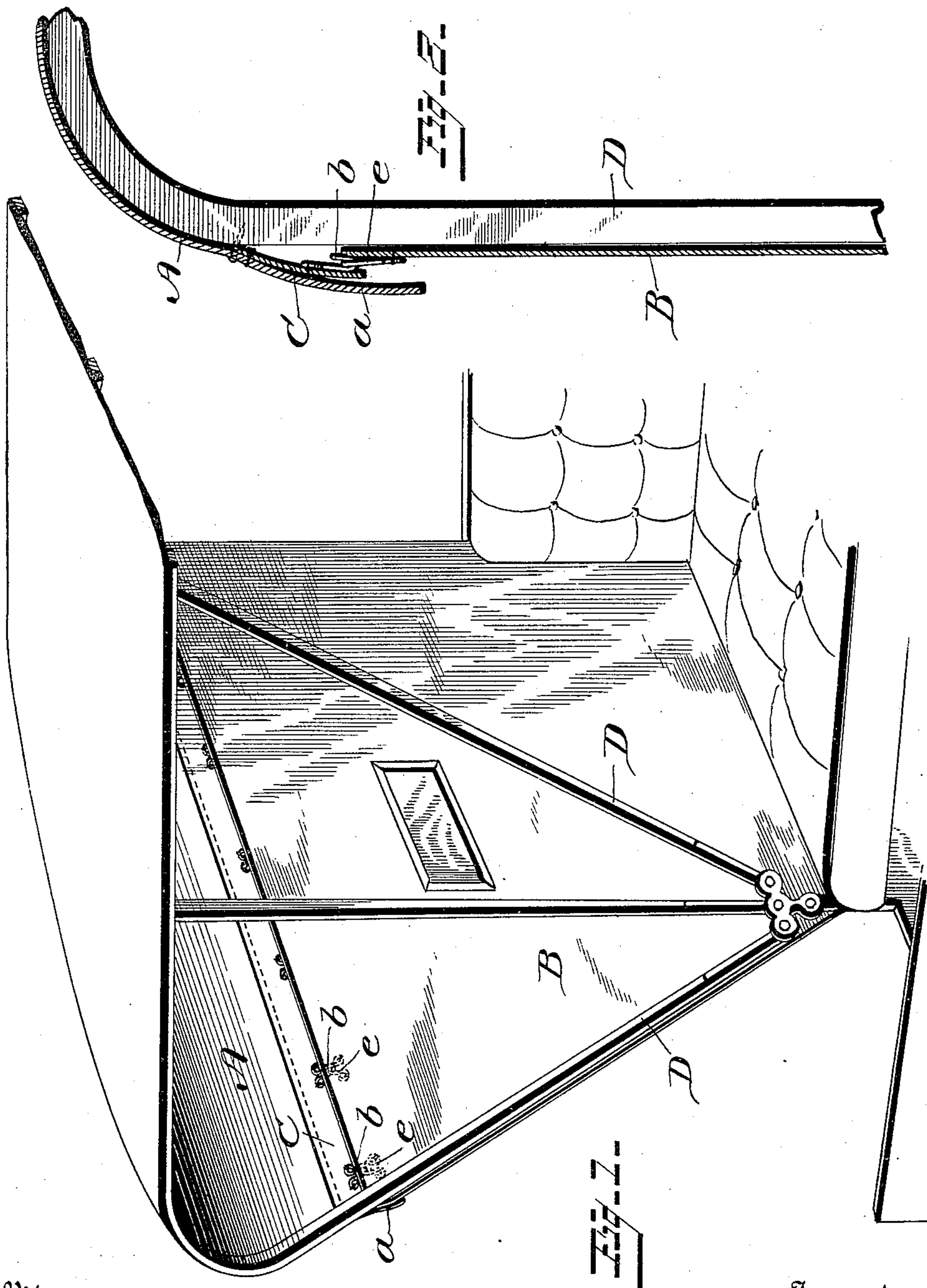


(No Model.)

P. LUGENBELL.  
STORM CURTAIN FOR VEHICLE TOPS.

No. 479,910.

Patented Aug. 2, 1892.



Witnesses

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# UNITED STATES PATENT OFFICE.

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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 hereinafter 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.