G. M. PETERS.

MANUFACTURE OF CURVED DASHERS FOR VEHICLES.

No. 244,765. Patented July 26, 1881.

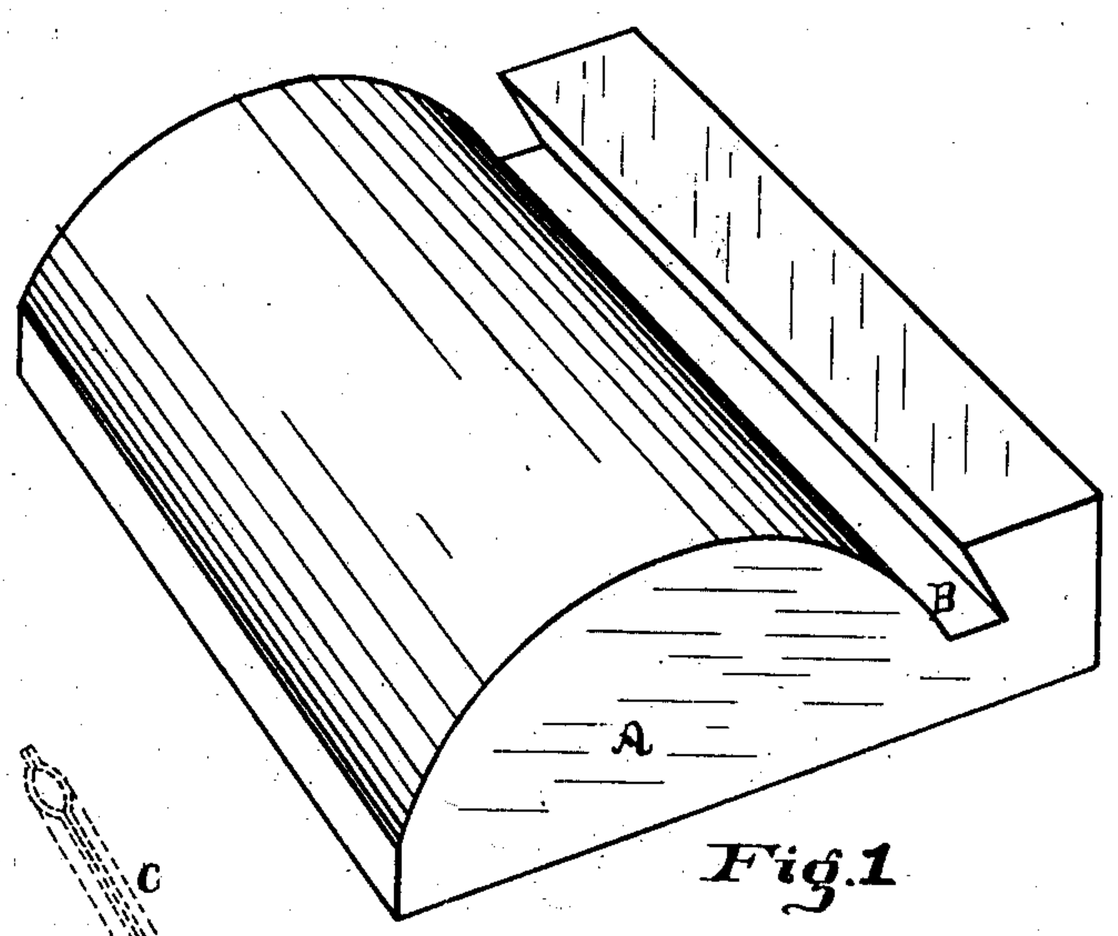

Fig. 1

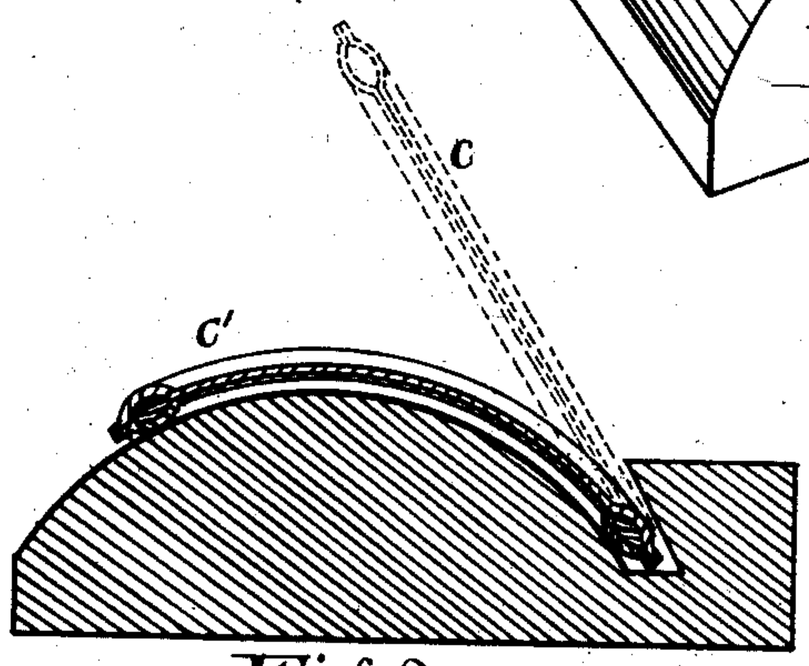

Fig. 2.

Fig. 3.

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GEORGE M. PETERS, OF COLUMBUS, OHIO.

MANUFACTURE OF CURVED DASHERS FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 244,765, dated July 26, 1881.

Application filed December 29, 1879.

To all whom it may concern:

Be it known that I, GEORGE M. PETERS, of Columbus, Franklin county, Ohio, have invented certain new and useful Improvements in the Manufacture of Curved Dashers for Vehicles, of which the following is a specification.

My invention relates to that class of dashers, fenders, &c., which consists of a frame the panels of which are provided with leather, papier-maché, rubber, glazed cloth, &c.

The main object of my invention is to produce a curved dasher, fender, or the like, which shall be free from the defects present in the curved dashers formed according to the ordinary modes of manufacture now in vogue.

The ordinary mode of constructing curved dashers is to bend the frame of the dasher or fender to the desired curve before the application of the cover, and afterward covering the frame in the usual manner; but the objection to dashers constructed in this manner is that the cover will "belly" or "buckle" in a direction transverse to that in which the curve is made, and an unsightly dasher is the result. My invention, hereinafter described, entirely remedies this defect and enables me to produce a dasher the cover of which, when the dasher is completed, will be free from bellying, buckling, or like defects.

Another object of my invention is to provide a cheap, convenient, and very efficient means of bending or curving the dasher or fender. These means will also be fully hereinafter described.

In the accompanying drawings, Figure 1 represents my improved device for giving to the dasher or fender, &c., the desired curve. Fig. 2 is a transverse section through the same, showing a dasher, also in section, thereon; and Fig. 3 is a longitudinal section of a dasher covered with leather.

The improved mode according to which I construct my curved dasher is as follows: The frame is first constructed in the usual manner—that is, so that the vertical bars and the top and bottom pieces are straight, and lie in one and the same plane. The cover is then applied to the frame. If the cover be of leather it is preferably sewed up and the frame inserted in the usual manner, with the exception that that side of the cover which is to be the concave side of the dasher is preferably stretched tighter when the frame is inserted into the cover than that side of the cover which is to be the convex side of the dasher. When the frame has been inserted the cover is sewed around each bar of the frame. The dasher, being as yet preferably flat, is now bent to the desired curve in any suitable manner and by any desired means.

The improved means and mode I preferably employ to bend the dasher are as follows, viz: A former, A, has its front side—that is, the side against which the dasher is to be pressed—so curved as to impart to the dasher the requisite degree of curve. This former is provided at one edge with an extension, whereby a channel, B, is formed between a portion of said extension and the adjacent portion of the curved side or face of the former A. The edge of the dasher, the latter being as yet perfectly flat, is placed in channel of the former, as shown by the dotted lines C, Fig. 2, and the dasher is then bent down till it occupies the position shown at C′.

A dasher constructed by this method, viz., by stitching the cover onto the frame before it (the dasher) is bent, has this advantage, that the cover remains straight from side to side, whereas curved dashers constructed in the usual manner buckle and belly out from end to end, the buckling being in the direction of the concave side of the dasher, and preventing the appearance, in longitudinal section, represented by the dotted lines D, Fig. 3.

A further advantage of my invention lies in the fact that the stitching of the cover on the frame can be much more easily accomplished before than after the frame is curved. The former described enables the dasher to be curved with great ease and accuracy.

What I claim as new and of my invention, and desire to secure by Letters Patent, is—

The herein-described process of manufacturing curved dashers and fenders, consisting in first stitching the cover on the frame while the latter is flat, and afterward bending the frame so covered to the desired curvature, substantially as described.

GEORGE M. PETERS.

Attest:

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