

J. T. BARNETT.
BUGGY BODY.
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1,003,689.

Patented Sept. 19, 1911.

Fig. 1.

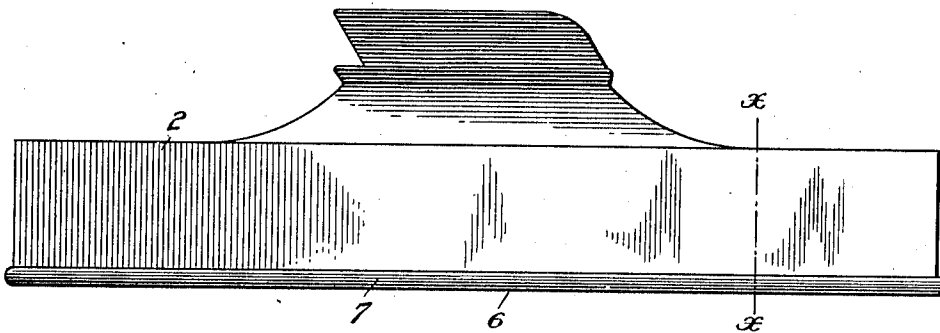


Fig. 2.

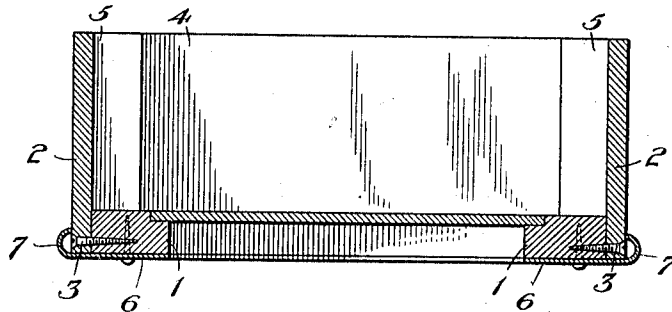


Fig. 3.

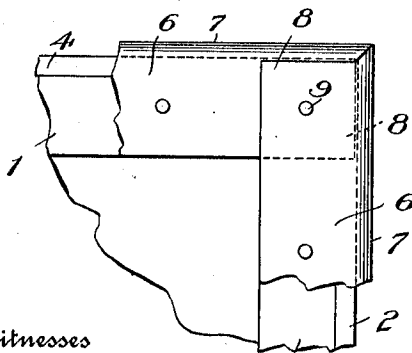
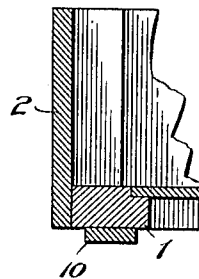


Fig. 4.



Witnesses

Edwin L. Bradford
Ralph Wornelle

Inventor

Jackson T. Barnett

By

Charles S. Johnston
Attorney

UNITED STATES PATENT OFFICE.

JACKSON T. BARNETT, OF COLUMBIANA, ALABAMA.

BUGGY-BODY.

1,003,689.

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To all whom it may concern:

Be it known that I, JACKSON T. BARNETT, a citizen of the United States, residing at Columbiana, in the county of Shelby and State of Alabama, have invented new and useful Improvements in Buggy-Bodies, of which the following is a specification.

My invention has for its object to strengthen and protect buggy bodies and make them more attractive in appearance, all without increasing cost or weight of the buggy.

More particularly my invention relates to an improved extension and bracing plate for the sides and corners of buggy bodies, which plate, without being heavier than the present form of bracing plates, will have the important and additional function of so effectively bracing the side boards that their tendency to break away at the corners, due to the weight of the seat which causes them to spring down in the middle, will be prevented. At the same time the plate is so arranged as to brace the corners, making it possible to dispense with the corner irons in general use.

A further object of my invention is to turn up the outside edge of the extension plates so as to form a bead which overlaps and clamps against the side and end boards, thereby serving to both protect their bottom corners from injury and their painted faces from scratches, and giving the buggy body a much more ornamental and attractive appearance.

My invention further comprises the details of construction and arrangement of parts hereinafter more particularly described and claimed, reference being had to the accompanying drawings, in which:—

Figure 1 is a side view of a buggy body provided with my improved extension plate. Fig. 2 is a transverse cross-sectional view along the line $x-x$ of Fig. 1. Fig. 3 is a detail view of a corner of the buggy body broken away. Fig. 4 illustrates the form of bracing iron now used.

Similar reference numerals refer to similar parts throughout the drawings.

My invention is adapted to be applied to any form of buggy or carriage body where the sideboard, instead of resting upon the bottom or sill, overlaps the bottom or sill and is attached to the side edge thereof, its bottom edge standing in substantially the same plane as the bottom of the sill. This

arrangement is illustrated in Fig. 2 of the drawings in which a buggy body is shown provided with side sills 1 to the side faces of which the side boards 2 are fastened by screws 3 in the ordinary manner. These side boards 2 are connected to the end boards 4, screws or bolts being used to connect their adjacent ends to a corner post 5 which rests upon an end sill of the body.

According to the present practice a rather thick and heavy bracing iron in the form of a narrow strip 10 is screwed to the bottom face of the side sill but is not in position to directly support the side board.

According to my invention, instead of having a narrow and thick plate, I provide a relatively thin and wide plate 6 which extends under and along the bottom faces of the end and side sills and under the bottom edges of the side and end boards and is bent upwardly and then over and against the side of the side and end boards, preferably so as to form a bead or ornamental metal rib 7.

To simplify manufacture and shipment the plates are formed in lengths corresponding to the lengths of the side and end boards and applied so that their end portions 8 overlap under the corner posts and a screw or bolt 9 can be passed through such overlapping portions of both plates, thereby securely fastening them to the buggy body. As shown in Fig. 3, the bead edges 7 of the plates make a close clamping joint which holds the corners of the buggy tightly together and braces them in the same manner that the corner irons do that are now in general use.

I have found by long experience in repairing buggy bodies that the weight on the buggy acts on the side boards causing the sills of the body to yield and bend down at their centers which strains the corner joints of the buggy causing the side boards to crack and the end joints to open. By the use of my extension plate I find that without increasing the weight or cost of the buggy, I am enabled to so brace the side and end boards of the buggy that their tendency to break away at the corners and to crack will be effectively prevented.

Another advantage of my extension plate is that it not only greatly increases the strength of the buggy body but it gives it a superior finished and ornamental appearance and effectively guards and protects the side and end boards from being scratched

and injured, and conceals the screws or fastenings used to connect the side and end boards to the sills. The plate is made preferably of the width of the sill so that its strength underlies the point of connection of the floor boards to the side sills. It would be peculiarly applicable to supporting the floor boards where they were fastened to the underside instead of the top side of the sills by being rabbeted thereto according to a practice which frequently obtains now in buggy body construction.

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

1. A buggy body having side sills, side boards connected thereto, end boards connected to said side boards at the corners of the buggy body, and means to brace the sills and protect the side boards from breaking away from their corner joints, comprising a metallic plate which extends from end to end of each side sill and is fastened to the underface thereof, said plates being relatively thinner and wider than the usual brace plates and being fastened to said sills so that they project beyond same and support the bottom edge of the side boards throughout their length, screws to fasten the side boards to the sills, and a bead formed by rolling over the outer edge of said plates, which bead is adapted to protect the bottom

edge of the side boards and conceal said screws, substantially as described.

2. The combination with a buggy body having side and end sills and side and end side boards which are attached to the outside faces of the sills, the bottom edges of the side boards standing substantially on a level with the bottom of the sills, and means to connect the side and end boards at the corners of the buggy body, of means to brace the side boards and corner joints comprising metal extension plates which are connected to the underface of said side sills and extend from end to end thereof, said plates being relatively thinner than the usual brace plates and adapted to extend transversely across the bottom of the sill and the bottom edge of the side board which rests on the plate and is directly supported thereby, the outer end of said plate beyond the side board being bent upwardly and inwardly against the side faces of said side boards to form a bead which protects said boards and braces them, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JACKSON T. BARNETT.

Witnesses:

W. B. BROWNE,

JOHN W. LAPSLEY.