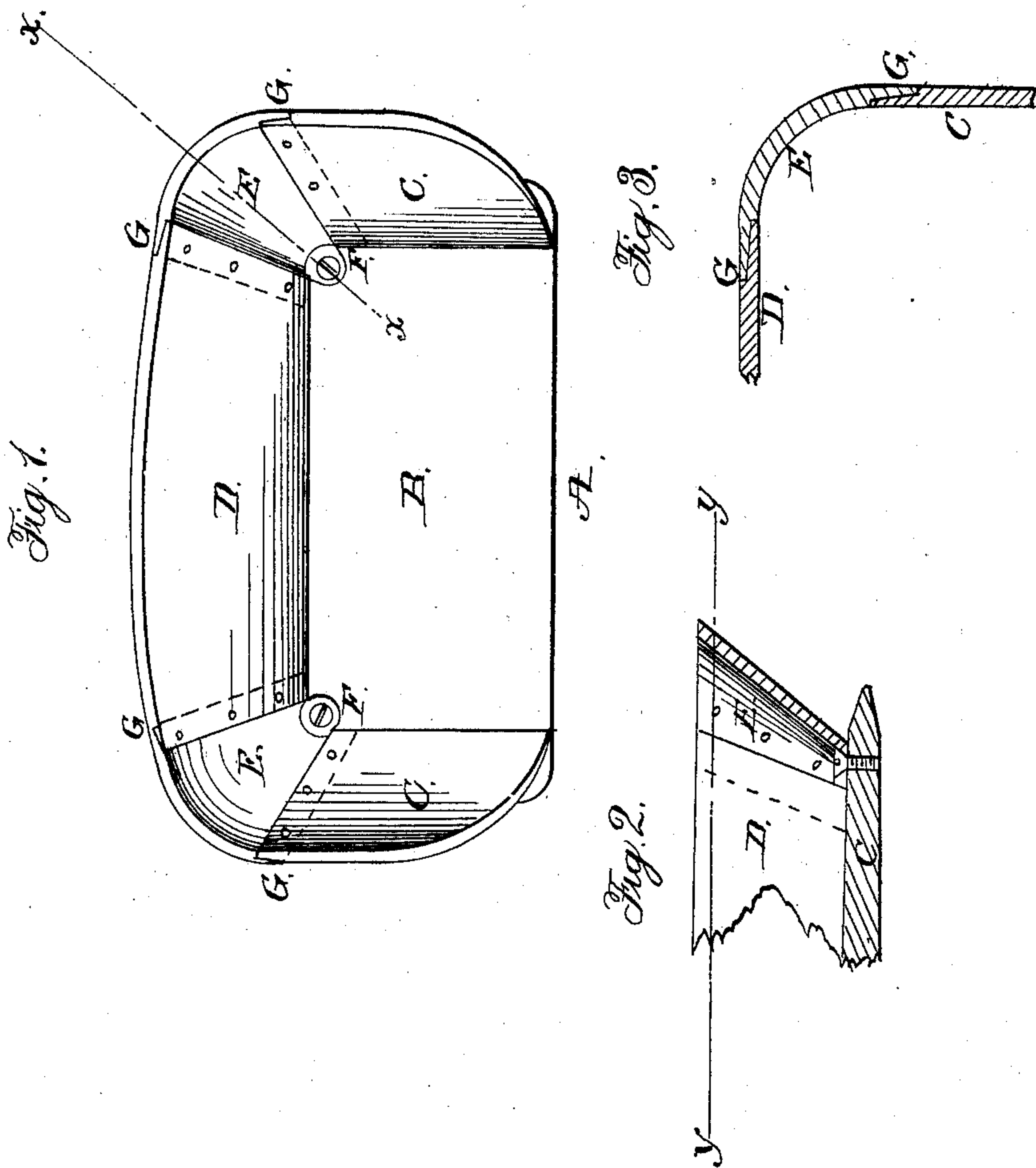


L. J. WOODRUFF.

Carriage-Seat.

No. 58,016.

Patented Sept 11, 1866.



WITNESSES;

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# UNITED STATES PATENT OFFICE.

LUTHER J. WOODRUFF, OF MOHAWK, NEW YORK.

## IMPROVEMENT IN CARRIAGE-SEATS.

Specification forming part of Letters Patent No. 58,016, dated September 11, 1866.

*To all whom it may concern:*

Be it known that I, LUTHER J. WOODRUFF, of Mohawk, Herkimer county, State of New York, have invented a new and useful Improvement in Carriage-Seats; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The present invention relates particularly to that class of carriage-seats commonly known as "tub-seats;" and it consists in the use of metallic castings as the corners for such seats, whereby a large amount is economized both in expense of, and labor to, manufacture, while at the same time increased strength and durability, as well as superiority of finish, are obtained.

In the accompanying plate of drawings my improvement in carriage-seats is illustrated, Figure 1 being a plan or top view of a carriage-seat made according thereto; Fig. 2, a partial transverse vertical section, taken in the plane of the line *xx*, Fig. 1; and Fig. 3, a horizontal section, taken in the plane of *yy*, Fig. 2.

Similar letters of reference indicate like parts.

A in the drawings represents a carriage-seat of that class commonly known as and called "tub-seats;" B, its bottom board; C C, its two end or side boards; and D, its back-board, both the sides or end boards C D being secured to the bottom board, so as to uniformly and similarly flare or incline outward in a vertical

plane, and the sides C C, at their points of intersection with the back D, being joined and secured thereto by means of cast metallic rounded pieces E, of a corresponding shape and incline to the sides and back of the seat. These corner-pieces E are secured to the bottom board of the seat by means of screws F or other suitable fastening devices, and the side and back boards to them by rivets, screws, or other means, both the corner-pieces and the side and back boards of the seat being similarly cut away at their respective contiguous edges, as plainly shown in the drawings, so as to form overlapping joints G, and thus render their attachment to each other more secure and reliable.

From the above description of my improvement in carriage-seats it is plain to be seen that a more firm, strong, and reliable, as well as durable, seat is produced than by the ordinary mode of constructing the same, while at the same time the expense of, and labor to, manufacture are both greatly reduced—advantages of the utmost importance.

I claim as new and desire to secure by Letters Patent—

A carriage-seat having metallic corner-pieces, substantially as and for the purpose described.

The above specification of my invention signed by me this 29th day of May, 1866.

LUTHER J. WOODRUFF.

Witnesses:

H. CLAY HALL,  
F. S. WILCOX.