

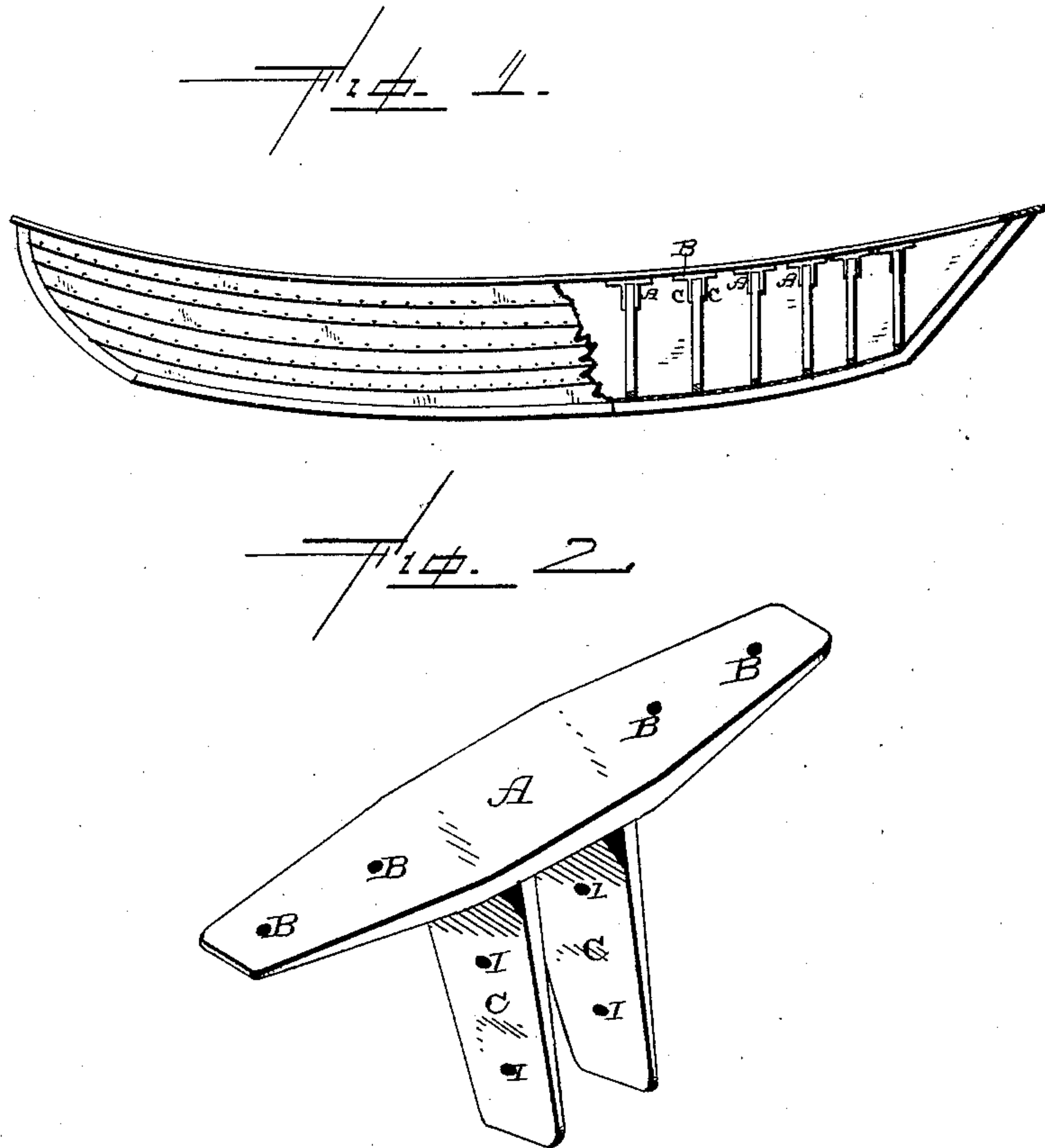
(No Model.)

H. DARCY.

BOAT.

No. 341,225.

Patented May 4, 1886.



—WITNESSES.—

*A. T. Gardner*  
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per  
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att'y.

# UNITED STATES PATENT OFFICE.

HUGH DARCY, OF GLOUCESTER, MASSACHUSETTS.

## BOAT.

SPECIFICATION forming part of Letters Patent No. 341,225, dated May 4, 1886.

Application filed February 23, 1886. Serial No. 192,879. (No model.)

*To all whom it may concern:*

Be it known that I, HUGH DARCY, of Gloucester, in the county of Essex and State of Massachusetts, have invented certain new and useful  
5 Improvements in Boats; 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 pertains to make and use it, reference being had to the  
10 accompanying drawings, which form part of this specification.

My invention relates to an improvement in boats; and it consists in a brace or casting which is to be secured to the under side of the  
15 gunwale, and which is provided with ears or projections at its center to catch over the opposite side of the ends of rib, and thus secure the gunwale and rib rigidly together, as will be more fully described hereinafter.

20 The object of my invention is to provide a cheap and simple metallic fastening by means of which the ribs can be rigidly secured to the gunwale without the use of mortises and tenons, and by means of which fastening the parts  
25 can be secured in any desired relation to each other.

Figure 1 is a vertical section of a boat, showing the manner of applying the castings which embody my invention. Fig. 2 is a perspective  
30 of one of the castings by itself.

The metallic casting consists of the top portion, A, which is provided with the two ears or projections C, which extend at right angles thereto, as shown.

35 The part A of the casting consists of a flat metallic plate or body of any suitable length, and which is to be applied to the under side of the gunwale by means of screws or bolts, which are passed through the holes B.

40 The ears C are of any desired length and preferably placed equidistant from the center of the part A, and which are intended to catch over opposite sides of the upper end of the rib, and to which rib they are rigidly secured  
45 by means of bolts or screws, which are passed

horizontally through the opening I. These ears are given a slight inclination forward toward their lower ends, so as to conform to the inclination which is given to the side of  
50 the boat.

These metallic frames or castings, being applied to the upper ends of the ribs, serve to unite the ribs and gunwales together more rigidly and securely than can be done where a  
55 simple mortise and tenon are used, at the same time dispensing with much skilled labor that is required to construct boats as they are now made.

When it is desired to take the boat apart for the purpose of making repairs, it is only  
60 necessary to remove the bolts or screws which are passed through the parts of the casting into the gunwale and ribs, and the gunwale can be separated from the ribs, or any one of the ribs can be removed with very little  
65 trouble.

By the use of this invention the construction of all boats—such as dories and skiffs—is greatly cheapened and simplified, for the reason that the gunwales and ribs can be more  
70 readily and easily connected together and the skilled labor which was necessary in cutting the mortises and tenons is entirely done away with.

Having thus described my invention, I  
75 claim—

In the construction of boats, a casting or brace consisting of a plate, A, having perforations by which it may be secured to the gunwale of the boat, and having two per-  
80 forated ears, C, projecting from its under side, and between which the rib of the boat is secured, substantially as shown.

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

HUGH DARCY.

Witnesses:

ALBERT C. ANDREWS,  
JOHN A. KENISON.