

D. HINCHEY.

Improvement in Canal Boats.

No. 124,060.

Patented Feb. 27, 1872.

Fig. 1.

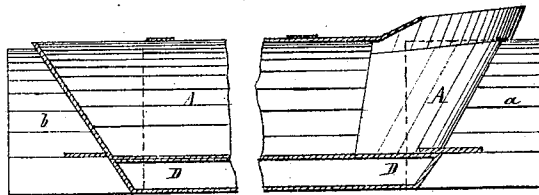


Fig. 2.

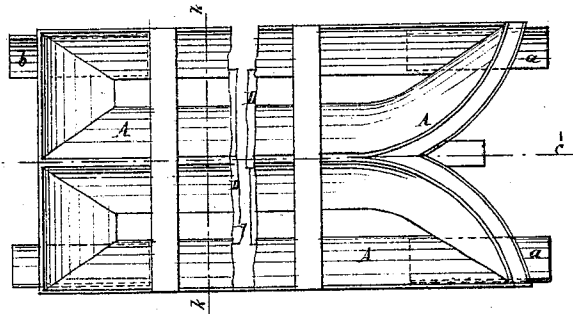
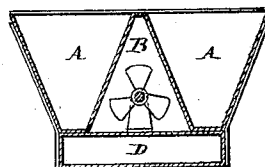


Fig. 3.



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UNITED STATES PATENT OFFICE.

DENNIS HINCHY, OF SANTIAGO, CHILI.

IMPROVEMENT IN CANAL-BOATS.

Specification forming part of Letters Patent No. 124,060, dated February 27, 1872.

To all whom it may concern:

Be it known that I, DENNIS HINCHY, of Santiago, in the Republic of Chili, have invented a new and Improved Canal-Boat; 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 drawing forming part of this specification.

Figure 1 represents a longitudinal vertical section of the ends of my improved canal-boat, the line *c c*, Fig. 2, indicating the plane of section. Fig. 2 is a plan or top view of the same. Fig. 3 is a vertical transverse section of the same on the line *k k* of Fig. 2.

Similar letters of reference indicate corresponding parts.

This invention relates to improvements on canal-boats of that kind where a central longitudinal channel is provided for the reception of the propeller; and consists in connecting the two hulls thus formed at their bottoms by a hollow air-tight case, which strengthens and buoys the boat, and improves the same throughout.

A A in the drawing represent the two hulls of the boat, which are connected on top in suitable manner. Between them is formed a water-channel, B, extending from end to end of the boat. C is the propeller, of suitable kind, working within the channel B. D is a hollow wa-

ter-tight case, connecting the two hulls at their bottoms, and closing the bottom of the channel B. The ends of the case D are, as near as convenient, under those of the boat, and are sloped, as in Fig. 1, so as to cut the water. This case strengthens the boat by connecting the hulls, and buoys it at the same time, thereby increasing its carrying capacity. From the forward ends of the hulls, at their outer sides, project plates *a a*, which cut through the water ahead of the boat, and avoid the creation of lateral waves that could wash the banks. Similar plates, *b b*, project from the stern of the boat, and arrest the water agitated by the propeller for the same purpose.

I have represented in Fig. 2 a form of bow I prefer, with the sides of the central passage inclined or turned outward to meet the sides of the boat, so that the water shall have freer entrance; but I purpose constructing the bow otherwise, if it be required by experience.

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

The combination, with a double boat, of a water or air tight case, D, to connect its hulls A A, close the bottom of the water-channel C, and buoy the boat, as set forth.

DENNIS HINCHY.

Witnesses:

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