(No Model.)

J. W. DOLLIVER.

GUARD AND CANOPY SUPPORT FOR BOATS.

No. 393,221. Patented Nov. 20, 1888.

FIG. 2.

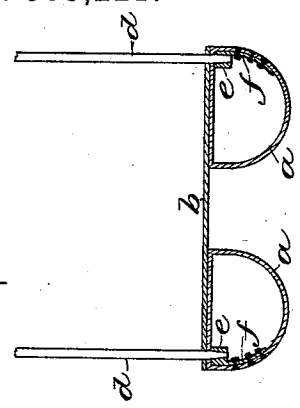


FIG. 1.

WITNESSES.
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UNITED STATES PATENT OFFICE.

JAMES W. DOLLIVER, OF EVERETT, MASSACHUSETTS.

GUARD AND CANOPY-SUPPORT FOR BOATS.

SPECIFICATION forming part of Letters Patent No. 393,221, dated November 20, 1888.

Application filed August 2, 1888. Serial No. 281,761. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. DOLLIVER, of Everett, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Water-Velocipedes, of which the following is a specification.

This invention has for its object to provide a secure as well as neat and attractive water-velocipede, which shall be adapted for the use of family or other parties and shall be free from danger of the occupants falling overboard.

The invention consists in the combination, with a water-velocipede composed of two hulls secured together by a deck or platform and provided with a paddle-wheel between the hulls adapted to be operated by foot-cranks, of a series of uprights attached to the said hulls and pivoted gates and front and back guards arranged to constitute, with said uprights, a continuous guard or inclosure surrounding the space on the deck on which the passengers' seats are placed, said uprights being also utilized to support an awning or pagoda, as I will now proceed to describe.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a perspective view of my improved velocipede-boat. Fig. 2 represents a transverse section of the same.

The same letters of reference indicate the same parts in both the figures.

In the drawings, *a a* represent the two hulls, *b* the deck or platform supported thereby, and *c* the wind-guard, which incloses the paddle-wheel and operator's seat, as in Patent No. 314,491 to James Thompson.

In carrying out my invention I provide four uprights, *d d d d*, which are inserted in sockets *e*, said sockets being formed on curved plates or shanks *f*, which are bolted to the inner sides of the hulls *a a*, as shown in Fig. 2. Between the uprights *d d*, at the outer sides of the deck, I place shorter uprights or posts, *g g*, the upper ends of which are provided with sockets or catches *h h*, for the swinging ends of gates *i i*, which gates are pivoted at *j j* to the corner uprights, *d*. When the gates are lowered, they engage the sockets on the posts *g* and form continuous side guards extending along the space on which the seats *m m* are placed.

n n represent fixed guards, preferably of lattice-work, secured to the uprights *d* and extending across the deck at right angles with the gates.

o represents a pagoda-shaped or pyramidal awning attached to the uprights *d* and covering that part of the deck on which the seats are located.

It will be seen that the gates *i* and fixed guards *n* constitute, when the gates are closed, a continuous inclosure around the seats and contribute materially to the safety of the boat.

A table, *t*, may be placed on the deck between the seats, as shown in Fig. 1.

The boat constructed as described is particularly adapted for family parties, there being little or no danger of the occupants of the deck falling overboard.

I claim—

1. As an improvement in water-velocipedes, the uprights *d*, rigidly secured at their lower ends, the short intermediate posts having sockets projecting from their upper ends, and the gate-bars *i*, pivoted at their outer ends to said uprights and designed to rest in and be secured by said sockets, substantially as described.

2. The herein-described improvement in water-velocipedes, comprising the uprights, the sockets secured to the hulls of the velocipede, the short intermediate posts having sockets projecting from their upper ends, the gate-bars pivoted at their outer ends and designed to rest in said sockets, and the fixed transverse guards connected to said uprights, substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 28th day of July, A. D. 1888.

JAMES W. DOLLIVER.

Witnesses:
C. F. BROWN,
A. D. HARRISON.