

UNITED STATES PATENT OFFICE.

JOSEPH BERRON, OF JACKMANTOWN, MAINE.

OAR FOR ROW-BOATS.

SPECIFICATION forming part of Letters Patent No. 562,369, dated June 23, 1896.

Application filed March 7, 1896. Serial No. 582,183. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH BERRON, a citizen of the Dominion of Canada, residing at Jackmantown, in the county of Somerset and State of Maine, have invented certain new and useful Improvements in Oars for Row-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 appertains to make and use the same.

This invention relates to oars for row-boats; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed, whereby the oar may be operated by a person facing the bow of the boat.

In the drawings, Figure 1 is a plan view of the device. Fig. 2 is a section taken on the line $x x$ in Fig. 1. Fig. 3 is a side view with the oar removed.

A is a portion of the side of a boat, and A' are brackets secured to the side of the boat and provided with adjusting-bolts a' . One side b of each of the brackets is connected to the portion b' , which bears against the inside of the boat, by a pivot-pin B, and the brackets have concave recesses B' at their upper parts.

C are balls mounted in the recesses B' and provided with pins c , engaging with slots c' in the upper parts of the said brackets. The shape of the balls and the slots permits the balls to be moved about to adapt the device for use on boats of different size and shape.

D is the lower part of a frame provided with pivots d , which are journaled in bearings formed in the balls C, and the balls C are adjusted so that the said bearings are in

alinement before being clamped in position by the adjusting-bolts.

D' is the upper part of the frame which is secured to the lower part by bolts d' .

E and E' are two toothed segments journaled, respectively, on the pins e and e' , which are carried by the said frame.

The toothed segments gear into each other, and each segment is provided with a similar socket f .

A handle F fits into the socket on segment E, and an oar G is secured in the similar socket of the segment E'.

The oar is manipulated in the usual manner, but the person using it faces the direction of the progress of the boat. The oar is raised out of the water by depressing the handle and turning the frame upon its pivots.

What I claim is—

The combination, with brackets secured to the side of a boat, each said bracket having concave recesses and slots at its upper part, a pivoted joint at its side, and an adjusting-bolt; of balls arranged in the said recesses and provided with pins engaging with the said slots, a frame provided with pivots journaled in the said balls, two intergearing toothed segments carried by the said frame, a handle secured to one segment, and an oar secured to the other segment, substantially as set forth.

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

JOSEPH BERRON. [L. S.]

Witnesses:

JOSEPH GILBERT,
JOHN HOLDEN.