

J. BECK.  
 OUTRIGGER FOR BOATS.  
 APPLICATION FILED SEPT. 11, 1914.

1,136,306.

Patented Apr. 20, 1915.

2 SHEETS—SHEET 1.

Fig. 1.

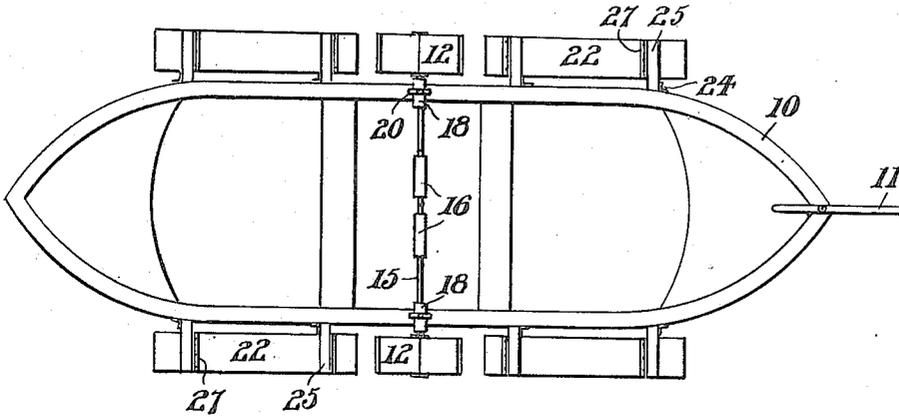


Fig. 2.

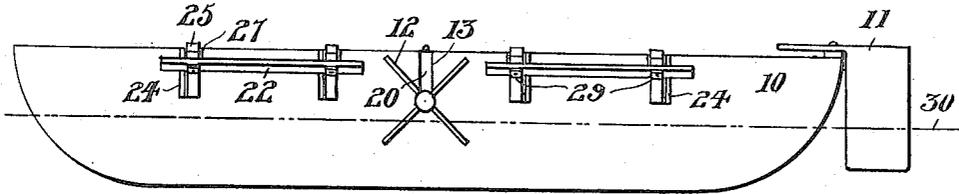


Fig. 3.

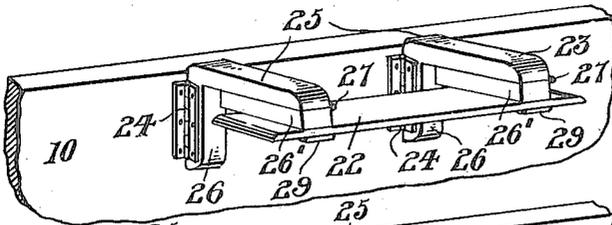
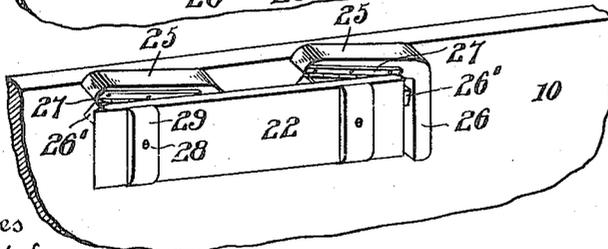


Fig. 4.



Witnesses  
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2 SHEETS—SHEET 2.

Fig. 5.

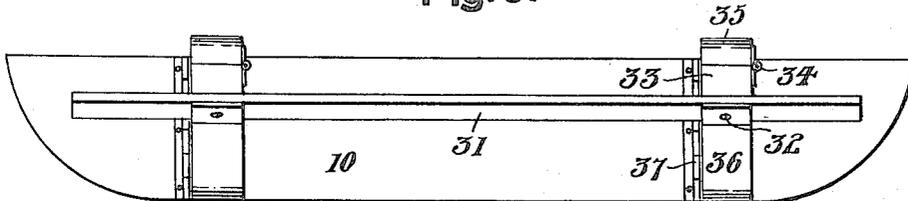
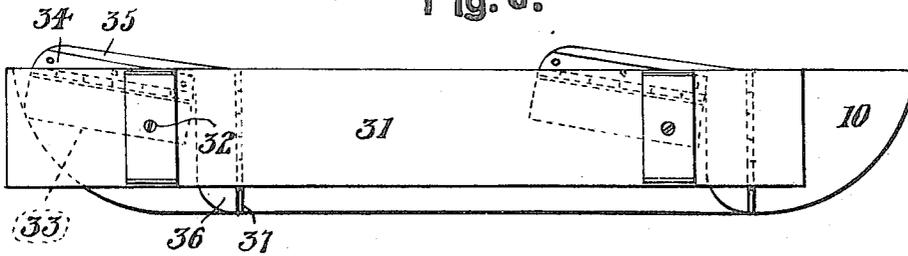


Fig. 6.



Witnesses

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# UNITED STATES PATENT OFFICE.

JOSEPH BECK, OF ELBERTA, ALABAMA.

## OUTRIGGER FOR BOATS.

1,136,306.

Specification of Letters Patent.

Patented Apr. 20, 1915.

Application filed September 11, 1914. Serial No. 861,201.

*To all whom it may concern:*

Be it known that I, JOSEPH BECK, a citizen of the United States of America, residing at Elberta, in the county of Baldwin and State of Alabama, have invented certain new and useful Improvements in Outriggers for Boats, of which the following is a specification.

This invention relates to certain new and useful improvements in outriggers for boats.

The primary object of the invention is to provide a boat with outriggers capable of being readily folded adjacent the boat sides when not in use, the said outriggers being adapted for assuming positions in planes perpendicular to the side of the boat when operative and in planes parallel thereto when folded.

With this and other objects in view that will appear as the nature of the invention is better understood, the same consists in the novel combination and arrangement of parts to be hereinafter more fully described, illustrated in the accompanying drawings and set forth in the appended claims.

In the drawings forming a part of this application and in which like-designating characters refer to corresponding parts throughout the several views, Figure 1 is a top plan view of a boat provided with the present invention. Fig. 2 is a side elevation thereof. Fig. 3 is an enlarged perspective view of a portion of the boat side having an outrigger thereon in its unfolded operative position. Fig. 4 is a similar view illustrating the outrigger in its folded position. Fig. 5 is a side elevation of a boat illustrating a modified form of outrigger, unfolded. Fig. 6 is a similar view with the outrigger folded.

Referring more in detail to the drawings the boat 10 of a manually propelled type is illustrated as provided with a steering rudder 11, and adapted for propulsion by means of oppositely-positioned paddles 12. The opposite sides of the boat are provided with vertical slots 13 substantially midway of their lengths in which the shaft 15 is received, sleeves 18 being mounted on the shaft at the points where it is received in the slots, which are engaged by vertically-movable keeper slides 20 that hold the shaft in position.

In the form of outriggers illustrated in the first four figures of the drawing, two of said outriggers 22 are employed oppositely

positioned upon each side of the boat and with the paddle wheel 12 upon each side of the boat positioned between the two outriggers which are upon that side of the boat. Brackets 23 substantially L-shaped are spaced apart on the outer sides of the boat and are hinged thereto by hinges 24 which allow the said brackets to fold inwardly against the side of the boat, it being noted, however, that the longer and projecting arm 25 of each bracket forms a slight obtuse angle with the shorter arm 26 of the bracket which arm is hinged to the adjacent boat side. Blocks 26' are hinged as at 27 to the lower edges of the bracket arms 25 and upon opposite sides of the brackets from that upon which the hinges 24 are secured. The outriggers 22 are in the form of flat boards and are pivoted by means of pins 28 substantially centrally beneath the blocks 26', while the said pins also extend through strengthening cleats 29 upon the lower face of the outrigger board.

It will be apparent that with the outriggers in their open positions as illustrated in Figs. 1 and 2, the outrigger board 22 will be positioned substantially horizontal and upon planes parallel to the surface of the water indicated by the line 30. In this position it will be noted by referring to Fig. 3 that the outrigger board 22 is in a plane perpendicular to the plane of the boat side. By moving the brackets 23 upon their hinges 24 and folding the same against the adjacent side of the boat as illustrated in Fig. 4, the blocks 26 will automatically swing upon their hinges 27 which will force the board to turn upon the pivot pins 28 and all of which will thereby position the board in its folded position in the plane parallel with the boat side as shown in Fig. 4.

The operation of the outrigger illustrated in Figs. 5 and 6 is identical with that heretofore explained, it being noted that in this construction a single long outrigger is mounted in this manner upon the opposite sides of the boat, and is adaptable where side propellers are not employed such as in the case of sailboats. In Figs. 5 and 6 the long outriggers 31 are illustrated pivoted by the pins 32 to block 33, which is block hinged at 34 to one side of the longer upper arms 35 of the mounting bracket while the shorter arms 36 of said bracket are connected by hinges 37 to the boat sides upon the

opposite sides of said brackets, from the points of attachment of the hinges 34. An outrigger construction is thus provided in which the outrigger board may be readily  
5 positioned for use and instantly folded at the sides of the bolt when desired.

While the forms of the invention herein shown and described are what are believed to be the preferred embodiments thereof,  
10 minor changes may be made without departing from the spirit and scope of the invention as set forth in the claims.

What I claim as new is:—

1. In combination with a boat side, L-shaped brackets hinged to said side, blocks  
15 hinged to said brackets, and an outrigger board pivoted to said block, the said block and board adapted for automatic shifting during the hinging movement of the said  
20 brackets.

2. An outrigger comprising in combination with a boat side of brackets hinged to

the said sides and having substantially horizontally positioned arms, blocks extending  
25 longitudinally beneath said horizontal arms, and hinged to the edges thereof, an outrigger board pivoted centrally beneath the said blocks.

3. An outrigger comprising in combination with a boat side, brackets hinged to  
30 said side, blocks hinged to said brackets, and an outrigger board pivoted to said blocks, and adapted for positioning horizontally and perpendicular to the boat side  
35 when the brackets are unfolded in their outward positions, the said board adapted for vertical positioning parallel to the boat side when the said brackets are folded.

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

JOSEPH BECK.

Witnesses:

WM. LA MOTTE,  
Mrs. WM. LA MOTTE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."