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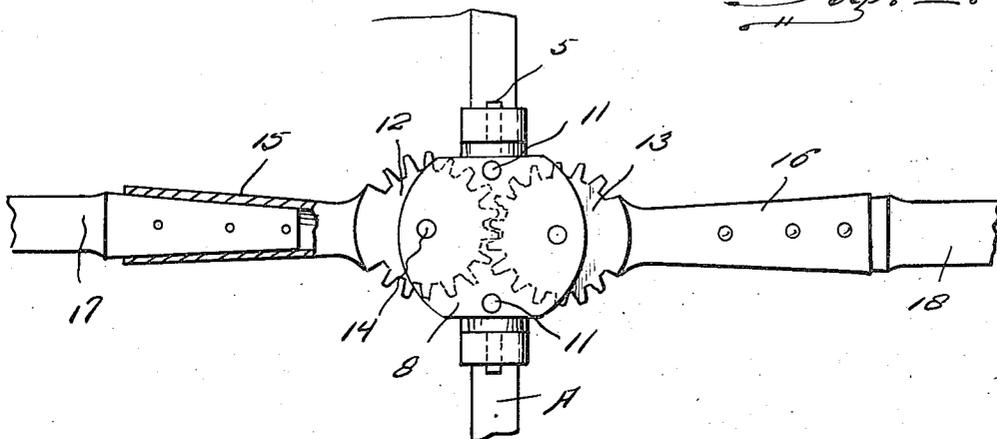
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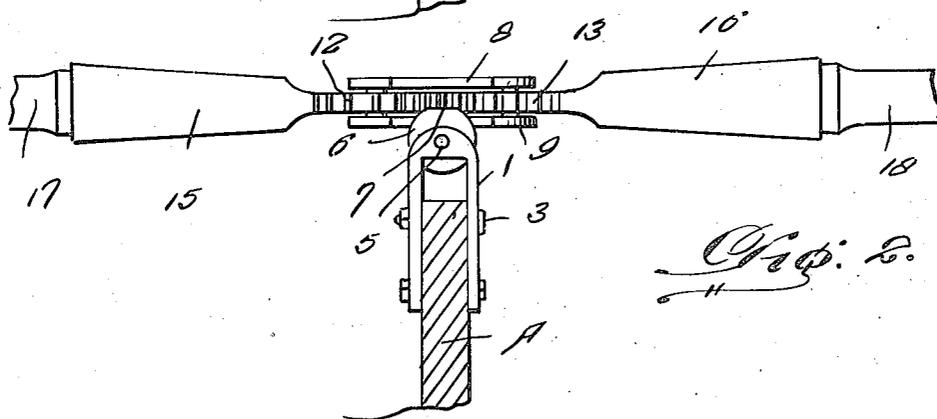
BOW FACING OAR

Filed July 28, 1924

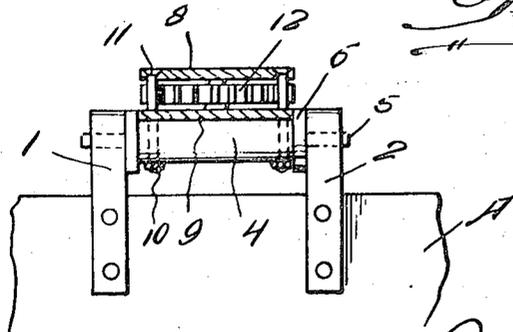
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



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## UNITED STATES PATENT OFFICE.

RUDOLPH HENRY STOBBE, OF ST. CLAIRSVILLE, OHIO.

## BOW-FACING OAR.

Application filed July 28, 1924. Serial No. 728,893.

*To all whom it may concern:*

Be it known that I, RUDOLPH HENRY STOBBE, a citizen of the United States, residing at St. Clairsville, in the county of Belmont and State of Ohio, have invented certain new and useful Improvements in a Bow-Facing Oar, of which the following is a specification.

This invention relates to improvements in bow facing oars and has for its principal object to provide a means whereby an oarsman may face the same direction as the propulsion of the boat in which he is seated.

Another important object of the invention is to provide a bow facing oar of the above mentioned character, which will reduce friction to a minimum, the same being further adapted to be easily moved into or out of the water.

A further object is to provide a bow facing oar of the above mentioned character, which is simple in construction, inexpensive, strong and durable and furthermore adapted for the purposes for which it is designated.

Other objects and advantages of this invention will become apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals designate like parts throughout the same:

Figure 1 is a top plan view of the present invention.

Figure 2 is a side elevation thereof.

Figure 3 is a view taken at right angles to Figure 2.

In the drawing wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numerals 1 and 2 designate a pair of supporting brackets, the same being substantially of inverted U-shaped design and adapted to be clamped in engagement with the gunwale of a boat by means of the fastening bolts 3. The supporting brackets 1 are spaced from each other and provide a means for pivotally supporting therebetween the shaft 4.

The shaft 4 is provided with the trunnions 5 at its respective ends and the same are adapted to extend through suitable openings provided therefor in the upper portions of the brackets in the manner clearly illustrated in Figures 1 and 3 of

the drawing. For the purpose of preventing the displacement of the shaft from between the brackets, flanges, such as are shown at 6 are provided on the shaft adjacent the ends thereof and adapted for engagement with the inner opposed faces of the brackets. The shaft 4 is supported between the brackets so as to be spaced from the gunwale A and the shaft is furthermore provided with a flattened face 7, the purpose of which will hereinafter be more fully described.

Secured to the flat face 7 of the shaft 4 are the spaced upper and lower plates 8 and 9 respectively. The bottom plate 9 is secured to the face 7 of the shaft 4 through the medium of the fastening bolt 10 while the upper plate is secured in spaced relation to the lower plate 9 through the medium of the fastening members 11.

Rotatably supported between the upper and lower plates 8 and 9 respectively are the intermeshing segmental gears 12 and 13 respectively. The supporting means for each of the segmental gears as illustrated at 14 in the drawing. Extending radially from the segmental gears 12 and 13 are the hollow stems or socket members 15 and 16 respectively, the same providing a means for receiving the shank portions of an oar blade and handles 17 and 18 respectively.

With the parts arranged as shown in the drawing, an oarsman may space the bolts in the same direction in which the boat is being propelled and the intermeshing segmental gear will transmit motion to the oar blades to cause the same to properly and efficiently operate in propelling the boat. Furthermore the oar blade may be moved into or out of engagement with the water by raising or lowering the handle 18 and causing the shaft 4 which carries the plates and the segmental gears to which the shanks of the oar blades and handle respectively are fastened to rock or oscillate between the brackets.

The simplicity in which my improved bow facing oar is constructed enables the parts to be readily and easily assembled and when in position on each of the gunwales of a boat, the same will be supported against accidental disengagement therefrom and when in use will reduce the friction to a minimum.

While I have shown the preferred em-

bodiment of my invention, it is to be understood that various changes in the size shape and arrangement of parts may be resorted to without departing from the spirit of the invention and the scope of the appended claim.

Having thus described the invention, what I claim is:—

An oar structure comprising brackets, a

shaft journaled therein and provided at its ends with flanges which bear against the brackets, spaced plates mounted upon the shaft between the flanges, and intermeshing gear segments journaled between the plates and having sockets for the reception of oar sections.

In testimony whereof I affix my signature.  
RUDOLPH HENRY STOBBE.