May 26, 1931. G. C. BUTLER 1,807,380

OAR

Filed July 16, 1930

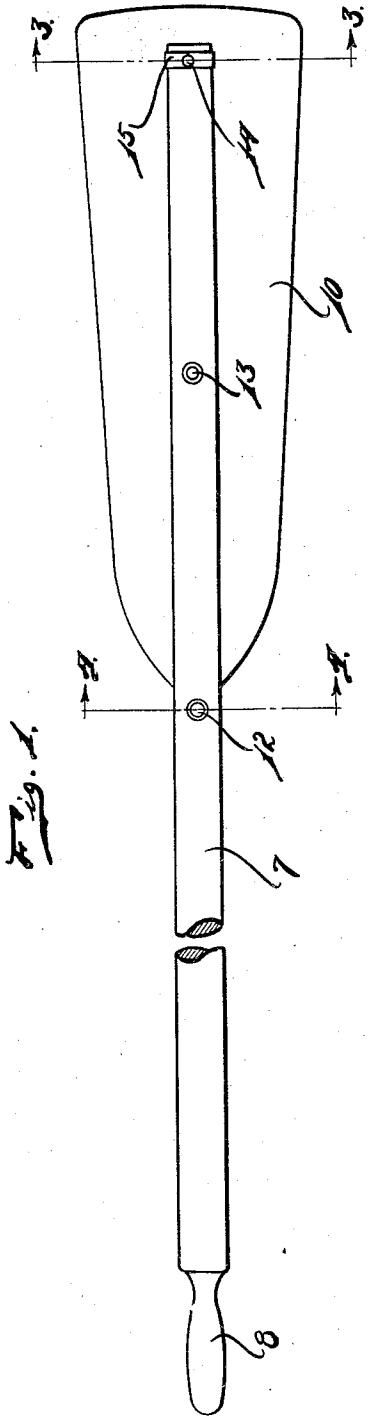


Fig. 1.

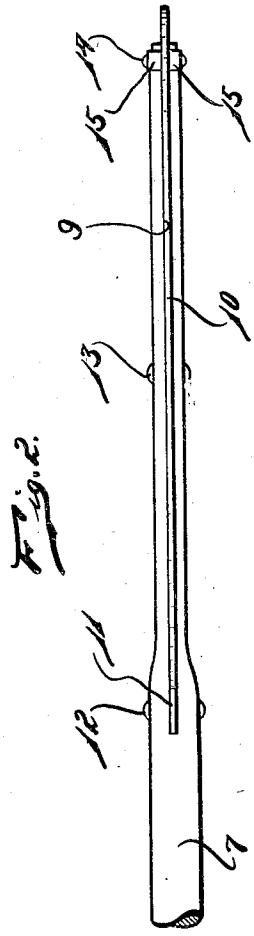


Fig. 2.

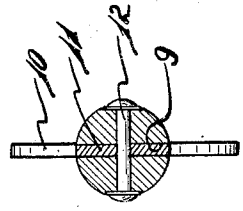


Fig. 4.

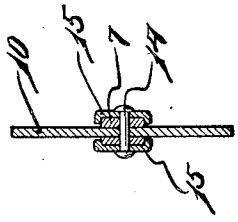


Fig. 3.

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UNITED STATES PATENT OFFICE

GLENN C. BUTLER, OF ROCHESTER, MICHIGAN

OAR

Application filed July 16, 1930. Serial No. 468,335.

My invention relates to a new and useful improvement in an oar and has for its object the provision of an oar which will possess a maximum strength and at the same time a minimum of weight.

It is another object of the present invention to provide an oar which may be economically manufactured and which will be durable and efficient in use.

Another object of the invention is the provision of an oar in which the paddle portion may be formed from metal thus eliminating splintering and cracking of the paddle portion of the oar and at the same time reducing to a minimum the amount of wood necessary to manufacture the oar.

Other objects will appear hereinafter.

The invention consists in the combination and arrangement of parts hereinafter described and claimed.

The invention will be best understood by a reference to the accompanying drawings which form a part of this specification and in which,

Fig. 1 is a plan view of the invention.

Fig. 2 is a side elevational view of the paddle portion of the invention.

Fig. 3 is a view taken on line 3—3 of Fig. 1.

Fig. 4 is a view taken on line 4—4 of Fig. 1.

The invention comprises a wooden shaft or handle portion 7 having the reduced grip 8 at one end. The opposite end is bifurcated to provide the space 9 in which is engaged the metal paddle strip 10 having the neck 11 extending outwardly from one end. A suitable rivet or bolt 12 is projected through the shaft 7 and through the neck 11. A suitable rivet 13 is also projected through the bifurcation of the shaft 7 and the paddle strip 10. A rivet 14 projects through the U-shaped clips 15 and the bifurcations of the shaft and the paddle strip 10. The paddle strip 10 is formed from sufficiently light metal so that the weight of the oar is reduced to a minimum and the rivets serve to retain the shaft 7 extending along the longitudinal axis of the paddle strip 10. The clips 15 serve to prevent splintering of the shaft 7 at its bifurcated portion.

The paddle strip may be removed from the shaft or handle portion by removing the rivets or bolts securing these parts together. This is productive of considerable economy as either the handle or the paddle portion become damaged. Very rarely is it that both parts become damaged, so that when these parts are detachable the sound part may be combined with a replacement for the broken or damaged part. This also permits the manufacture of an oar from material which cannot otherwise be used. Some woods serve well as handles, but the paddle forming portion is not durable, and for this reason the handle could not be formed from such wood. Such woods are fir and cypress. With the present invention such difficulties are not encountered.

The present invention also permits the turning of the grain of the handle at right angles to the paddle from the position it would occupy if the blade or paddle were integral with the handle.

While I have illustrated and described the preferred form of my invention, I do not wish to limit myself to the precise details of structure shown but desire to avail myself of such variations and modifications as may come within the scope of the appended claim.

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

An oar of the class described, comprising: a shaft having one end bifurcated; a metallic paddle strip engageable between the bifurcations of said shaft; a neck on one end of said paddle strip, said neck lying between said bifurcations and being of no greater width than the width of said shaft, said shaft terminating inwardly of the other end of said paddle strip; and means for securing said strip between said bifurcations.

In testimony whereof I have signed the foregoing specification.

GLENN C. BUTLER.