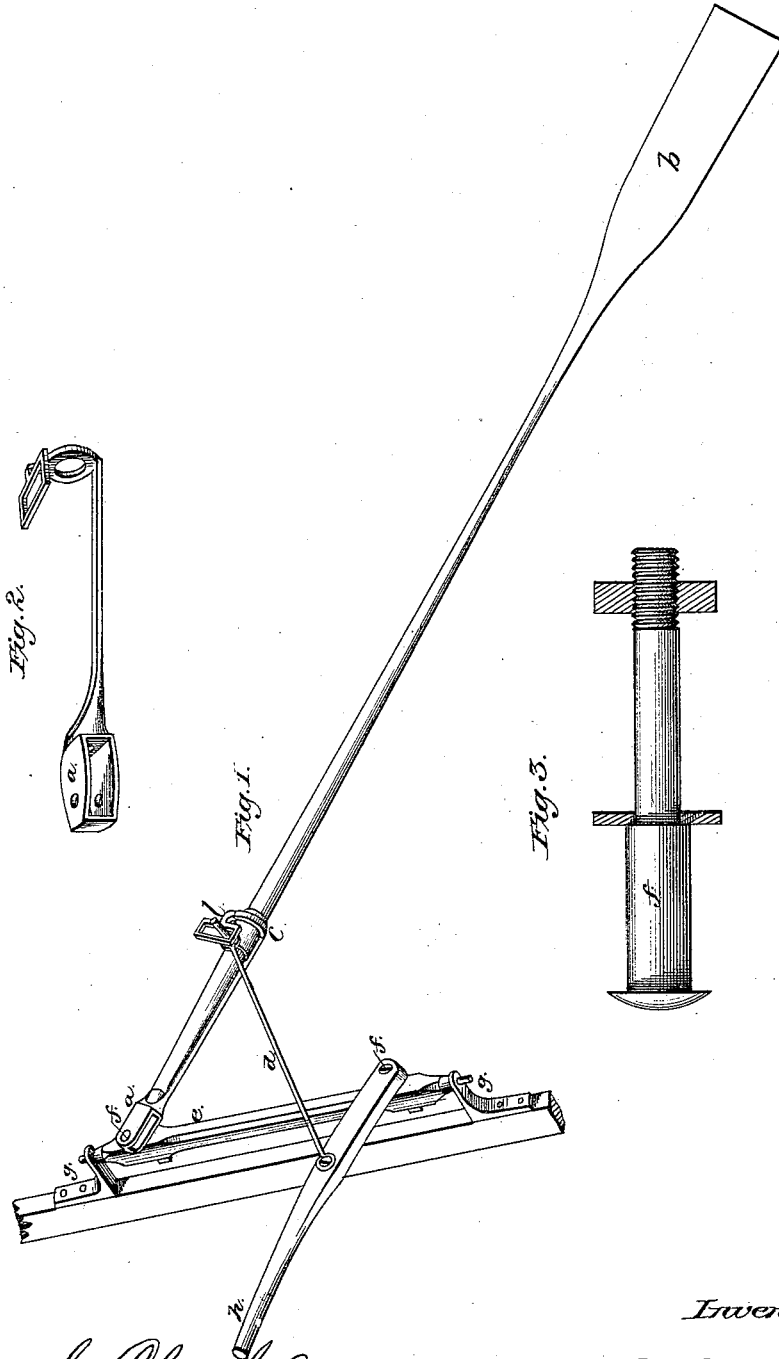


J. W. MELCHER.  
ROWING-GEAR.

No. 192,382.

Patented June 26, 1877.



*Attest:*

*Sam J. Clark*  
*Wm H. Allen*

*Inventor:*

*John W. Melcher.*

# UNITED STATES PATENT OFFICE.

JOHN W. MELCHER, OF OSHKOSH, WISCONSIN.

## IMPROVEMENT IN ROWING-GEAR.

Specification forming part of Letters Patent No. **192,382**, dated June 26, 1877; application filed February 28, 1877.

*To all whom it may concern:*

Be it known that I, JOHN W. MELCHER, of Oshkosh, in the county of Winnebago, and in the State of Wisconsin, have invented certain new and useful Improvements in Rowing-Gear; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making a part of this specification.

The object of my invention is to enable a person, when rowing, to sit facing the bow of boat; and this is done by the combination of rowing-gear, consisting of handle *h* and draw-bar *d*, connected to the oar, with the pin *l* in the slot of the iron *a*, in which the pin *l*, when rowing, works back and forth, and causes the oar to feather with every stroke, and the oar and handle connected to the rolling bar *e* with the bolts *f f*, and the rolling bar hung to the boat, and with the irons *g g*, as shown in the perspective view, Figure 1, of the accompanying drawing.

The rowing-gear is illustrated more in detail in the accompanying figures, of which Fig. 2

is the iron in which oar is hung, and Fig. 3 the bolt *f*.

*b* is the blade, having band *c*; *d*, the draw-bar; *e*, rolling bar; *f*, the bolt; *g*, the iron which the rolling bar is hung in; *h*, the handle which operates the oar; *l*, the pin that fits in the band *c* and fastens the oar in the band and connects the oar and handle.

It will be evident that the slot in the iron *a* could be made in the iron under the draw-bar around the oar and band *c*, and a head on the pin *l* would answer the same purpose to operate and feather the oar as the slot shown.

I claim as my invention—

The combination, in rowing-gear, substantially as described, of a handle and draw-bar, with slot and pin connected with oar, and rolling bar hung to the rail of boat.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of February, 1877.

JOHN W. MELCHER.

Witnesses:

F. T. ZENTNER,  
WM. F. GREENWALD.