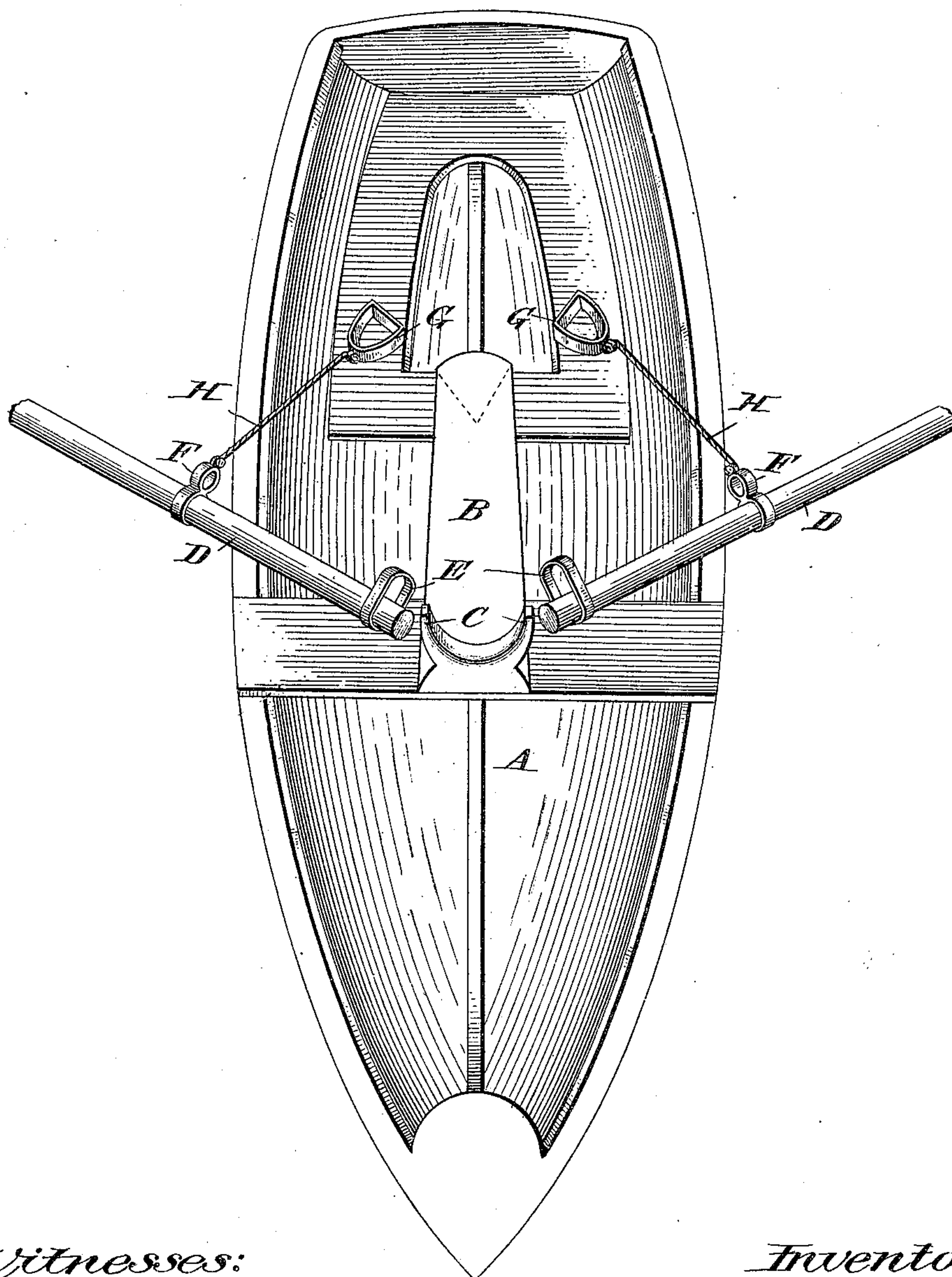


C. H. CLIFTON.
BOAT ROWING MACHINE.
APPLICATION FILED OCT. 28, 1907.

921,951.

Patented May 18, 1909.



Witnesses:

Daniel Sullivan
S. L. Randolph

Inventor:

Charles H. Clifton

UNITED STATES PATENT OFFICE.

CHARLES H. CLIFTON, OF SAN QUENTIN, CALIFORNIA.

BOAT-ROWING MACHINE.

No. 921,951.

Specification of Letters Patent.

Patented May 18, 1909.

Application filed October 28, 1907. Serial No. 399,621.

To all whom it may concern:

Be it known that I, CHARLES H. CLIFTON, a citizen of the United States, residing at San Quentin, in the county of Marin and State of California, have invented a new and useful Boat-Rowing Machine, of which the following is a specification.

My invention relates to improvements in boat rowing machines and the objects of my improvements are first, to provide a saddle with projections against which the shoulders of the oarsman rest while reclining in the saddle, second to provide stirrups in which to place his feet, the stirrups being connected by cords, with adjustable handles, the handles being fastened to the oars, and, third to provide bands which hold the oars properly in place.

I attain these objects, by the mechanism illustrated in the accompanying drawings, in which the figure is a detailed view in perspective of the entire machine, comprising the boat A, the saddle B, with projections C C, the oars D D, the arm bands E E, for holding the oars D D, properly in place, the adjustable handles F F, which serve the double purpose of supplying a hold for the hands and also the means of connecting the stirrups G G, by means of cords H H, with the oars D D, thus enabling the oarsman while reclining in the saddle B, his shoulders

pressed against the projections C C, his feet in the stirrups G G, his hands grasping the adjustable handles F F, to much more conveniently use, and more directly apply his entire physical force, while manipulating the oars D D.

The oars D D, are not fastened to the boat but are held by the hands and arms of the oarsman, by means of the handles F F, and arm bands E E, and are manipulated by passing the hands and feet forward and backward as in the act of swimming.

What is meant by adjustable handle, is, a handle that may be adjusted anywhere along the oarshaft to suit the convenience of the oarsman, and can be retained after adjustment by a slight pressure of the hand. It is an oblong band made of spring steel, and is fastened to the oar by girding the oarshaft and then applied by hand pressure.

I claim,

The combination in a boat rowing machine, of oars, having arm bands, for holding the oars properly in place, and having adjustable handles, with foot stirrups and cords for connecting the same with the oars.

CHARLES H. CLIFTON.

Witnesses:

WALTER HARVEY,
GEO. CURRY.