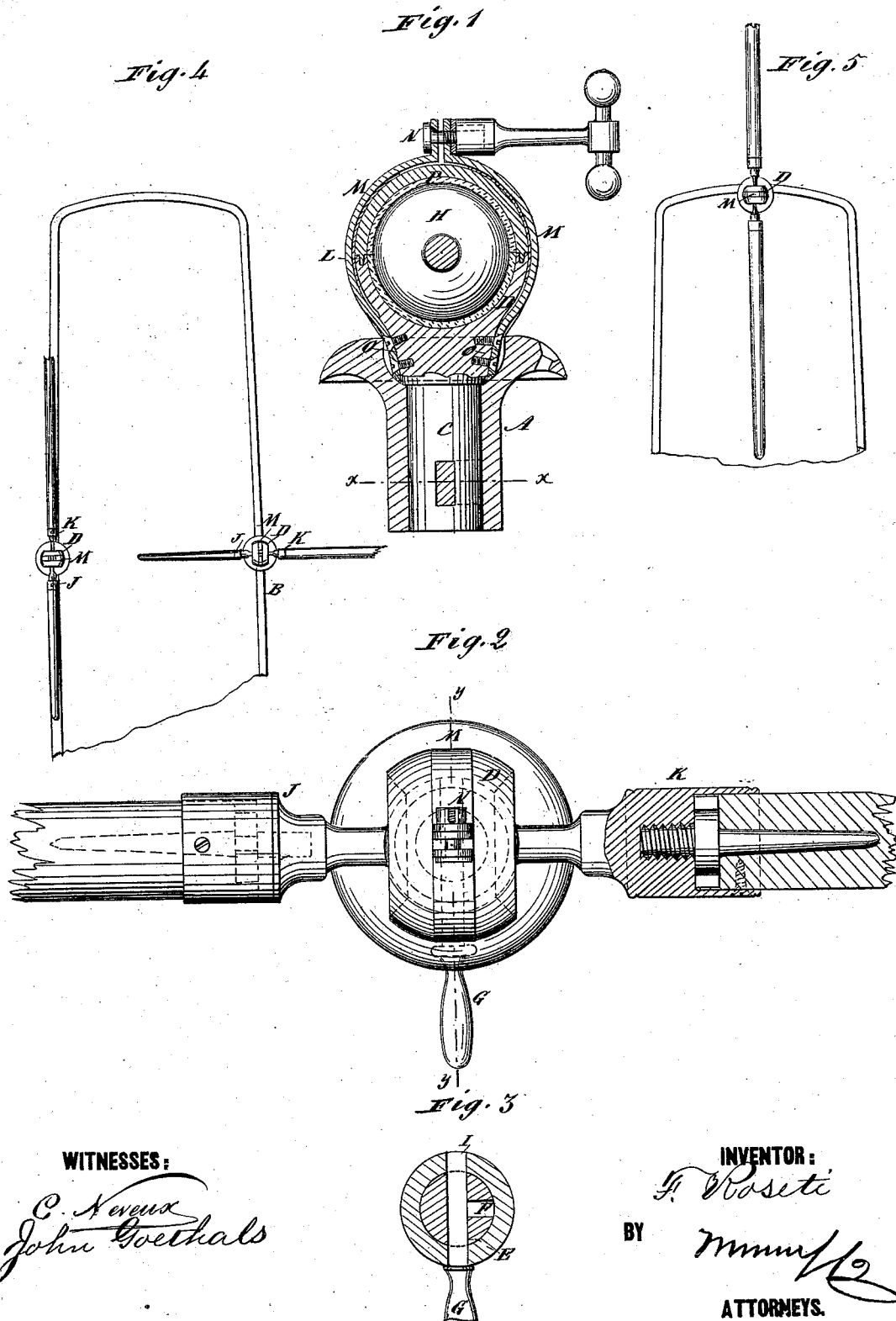


F. ROSETTI.
ROW-LOCK.

No. 173,560.

Patented Feb. 15, 1876.



WITNESSES:
C. Kewen
John Goethals

INVENTOR:
F. Rosetti
BY *Mumm*
ATTORNEYS.

UNITED STATES PATENT OFFICE

FRANCESCO ROSETI, OF NEW YORK, N. Y.

IMPROVEMENT IN ROWLOCKS.

Specification forming part of Letters Patent No. **173,560**, dated February 15, 1876; application filed January 15, 1876.

To all whom it may concern :

Be it known that I, FRANCESCO ROSETI, of the city, county, and State of New York, have invented a new and Improved Rowlock, of which the following is a specification :

It consists of a metallic section of the oar-shaft, comprising the ball aforesaid, and a couple of sockets for the connection of the handle and blade sections of the oar, thus combining the ball with the oar-shaft, so that a ball-and-socket joint can be employed. It also consists of a contrivance of the socket to turn the oar around to the line of the gunwale of the boat and to lock it in that position; also, to lock the oar in the socket, so as to hold it while not in use, all as hereinafter described.

Figure 1 is a section of the ball-and-socket rowlock. Fig. 2 is a plan view; and Fig. 3 is a horizontal section taken on line *xx*, Fig. 1. Fig. 4 is a plan view of a boat, showing the arrangement of the pair of oars; and Fig. 5 is a plan of a boat, showing the arrangement for a sculling-oar on the same.

Similar letters of reference indicate corresponding parts.

A is a socket, to be fitted upright in the gunwale B of a boat, for holding the spindle C of the ball-socket D, the spindle being fitted so that it can be turned to shift the oar from the working position around to the line of the boat-side, and having holes E and F, to be fastened in either position by the key G passing through the hole of the socket A. H is the ball for supporting the oar in the

socket D, said ball having a handle-socket, J, on one side, and a blade-socket, K, on the other side, for fitting the oar to it. In practice, the handle-socket will be the heaviest, to balance the blade.

The socket D is made of an upper and lower section, which connects it at L, and are secured by the spring-strap M and the binding-screw N, by which the socket can be pressed on the ball with more or less pressure to regulate the bearing properly, and also so as to bind the ball fast to hold the oar in any required position when not in use—for instance, as represented at the left hand of Fig. 4. The straps are screwed onto the lower part of the socket-piece at O, so that they can be readily taken off in case of need.

Composition lining P is cast in the socket D for the ball to work in; but it may work directly on the socket-metal, if preferred.

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

1. The combination, with ball H, arranged in a swiveled socket, D, of a handle-socket, J, on one side, and a blade-socket, K, on the other, as and for the purpose specified.

2. The combination of spring clamping-straps M with the socket D, constructed in two parts, substantially as herein shown and described.

FRANCESCO ROSETI.

Witnesses:

JAMES H. HUNTER,
ALEX. F. ROBERTS.