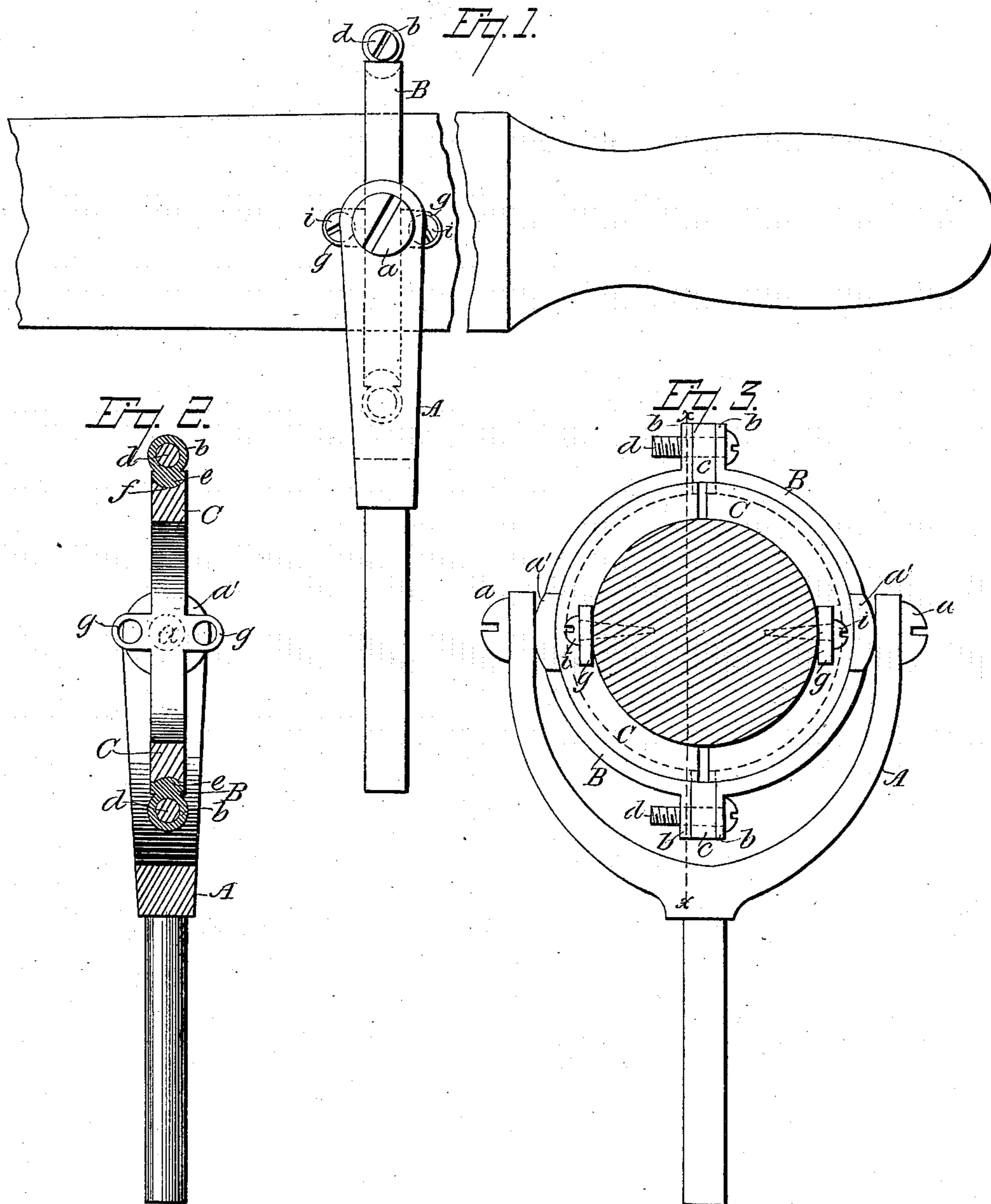


(No Model.)

T. MARSHALL.
OAR LOCK.

No. 294,893.

Patented Mar. 11, 1884.



Witnesses:

E. J. Spence
R. Platz

Inventor:

Thomas Marshall
By
J. C. Underwood,
Attorneys

UNITED STATES PATENT OFFICE.

THOMAS MARSHALL, OF RIPON, WISCONSIN.

OAR-LOCK.

SPECIFICATION forming part of Letters Patent No. 294,893, dated March 11, 1884.

Application filed December 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, THOMAS MARSHALL, of Ripon, in the county of Fond du Lac, and in the State of Wisconsin, have invented certain
5 new and useful Improvements in Oar-Locks; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to improvements in rowlocks, and will be fully described herein-
10 after.

In the drawings, Figure 1 is a broken side view of an oar fitting into my improved rowlock. Fig. 2 is a vertical section of my rowlock on line *x x* of Fig. 3, which is a face view
15 of the same.

A is the ordinary yoke, each end of which has a hole for the screws *a*, that form the bearing-trunnions of the swiveling ring B, which is provided at these points with the shoulders
20 *a'*, and in the center of these shoulders are formed threaded holes for said screws *a*. The swiveling ring B is made in two equal segments, each of which has an ear, *b*, formed on its upper and lower ends and projecting from
25 it at right angles to its axis. In these ears *b* threaded holes are formed to receive the binding-screws *d d*, which are likewise passed through the elastic cushion *c*, set between the opposing faces of the ears *b*. On the inner
30 rim of the swiveling-ring segments is a flange, *e*, which forms a circular bearing for the oar-ring C. This ring is also made in two halves, between the opposing ends of which air-spaces are left corresponding to the amount of compression the elastic cushion *c* is capable of. In the
35 outer rim of the oar-ring C a groove, *f*, is formed, which loosely fits over the bearing-flange *e* of the swiveling ring B, and each half of said ring C has an ear, *g*, which projects at
40 right angles on each side of it, and these ears *g* are perforated to receive the screws *i i*, whereby the oar is held firmly in its place in the rowlock.

It will be understood from the above description that in my improved rowlock I

have provided means whereby, without at all interfering with the free feathering of the oar, this last may be fastened at various points of its tapering handle, and oars of different sizes may be used on the same rowlock. This
50 adaptability of my rowlock is limited, of course, by the size of the yoke and the thickness of the elastic cushion inserted between the segments of the swiveling ring and the corresponding air-spaces left between the halves
55 of the oar-ring.

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

1. A rowlock having a swiveling ring made
60 in two parts, and provided with ears, between which are fitted elastic cushions, in combination with an oar-ring made in two parts, whereby the two segments of the latter are adapted to bear freely inside the former, and
65 to be fastened at various points of the oar, as desired, substantially as set forth.

2. A rowlock having an oar-ring made in two parts, fitting loosely within a swiveling ring, the latter also made in two suitably-connected
70 parts, between the points of contact of which are fitted elastic cushions, whereby the two separate segments of the oar-ring are adapted to be fastened at points of different diameters of an oar, or to oars of various sizes,
75 substantially as set forth.

3. In a rowlock, the swiveling ring B, made in two parts, each having a shoulder, *a'*, and the ears *b*, in combination with the elastic
80 cushions *c*, and the oar-ring C, made in two halves, substantially as shown and described, and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

THOMAS MARSHALL.

Witnesses:

STANLEY S. STOUT,
H. G. UNDERWOOD.