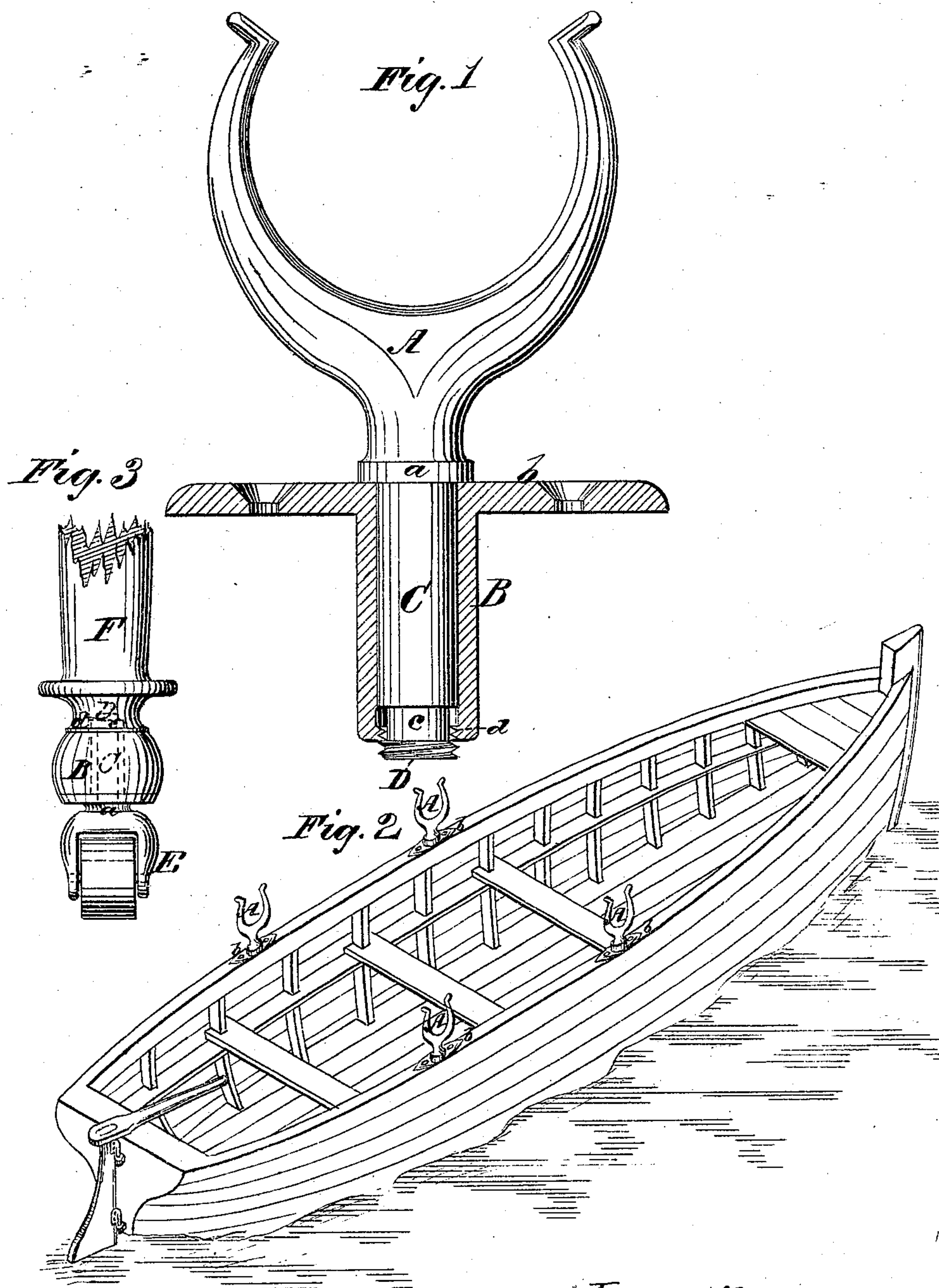


E. B. BEACH.
Oar-Locks.

No. 148,279.

Patented March 10, 1874.



Witnesses:
James Martin Jr.
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by
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UNITED STATES PATENT OFFICE.

EDGAR B. BEACH, OF WEST MERIDEN, CONNECTICUT.

IMPROVEMENT IN OAR-LOCKS.

Specification forming part of Letters Patent No. 148,279, dated March 10, 1874; application filed February 10, 1874.

To all whom it may concern:

Be it known that I, EDGAR B. BEACH, of West Meriden, county of New Haven, State of Connecticut, have invented a new and useful Improvement in Oar-Locks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is an elevation of my improved oar-lock, with its bearing shown in section; Fig. 2, a sketch illustrating the mode of application to a boat; Fig. 3, a modification, showing the application of my invention to a caster.

My invention relates to self-supporting swivel-bearings; and it consists of a shank of an oar-lock, caster, or other analogous article, which is designed to swivel, constructed with a short screw-thread of the same diameter as that of the shank, said thread being at the upper extremity of a stem at the end of the shank, in combination with a bearing box or tube, in which the shank swivels, constructed with a short nut matching the short screw, the said parts being united by passing the shank through the box or tube, and screwing up until the screw disengages from the thread in the nut, and passes out beyond the chamber of the box or tube, and when out, answers as a rotary flange, to prevent the shank dropping out of this box, while the shank is free to swivel.

A in Fig. 1 represents a metallic oar-lock of ordinary construction, with a shoulder, A, which sits and has its vertical bearing on the plate *b* of the swivel-bearing box B. The shank C of the said oar-lock fits into the box B, and near its end is provided with a stem, *c*, of reduced diameter, and at the end of the said stem with a screw-thread, D, of the same diameter as the shank. The swivel-box B is also provided with a screw-thread, *d*, which matches the screw-thread D on the shank C,

but the swivel-box terminates where the thread D begins, so that the said thread is outside of the swivel, as shown in Fig. 1, when in operation. In this position the thread *d* acts as a retaining-flange, and prevents the slipping of the shank C out of the swivel-box.

If it is desirable to remove the oar-lock, it may be unscrewed with a little pressure upward.

As it is necessary to remove the oar-locks from a boat when not occupied, to prevent unauthorized persons from using or breaking them, (or from stealing them when they are made of costly metal,) this is the most economical and convenient method of constructing them, so they may be removed and reapplied without unfastening the swivel-boxes, while at the same time they are secured against lifting up out of their bearings when in use.

In Fig. 3 I have shown my invention applied to a caster, E, on the leg F of a table or other piece of furniture, the same combination of shank C, shoulder *a*, stem *c*, screws D and *d*, and swivel-box B being used, and when thus applied the caster will be retained in proper position upon the leg though the table be lifted from the floor.

This arrangement of parts may be applied for many kinds of swivel motions where an occasional removal or reapplication of the connected parts is desirable.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

A swivel-shank and its box, provided with a screw at their ends, whereby the said parts may be prevented from separating while in operation, substantially as set forth.

EDGAR B. BEACH.

Witnesses:

GEO. W. SMITH,
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