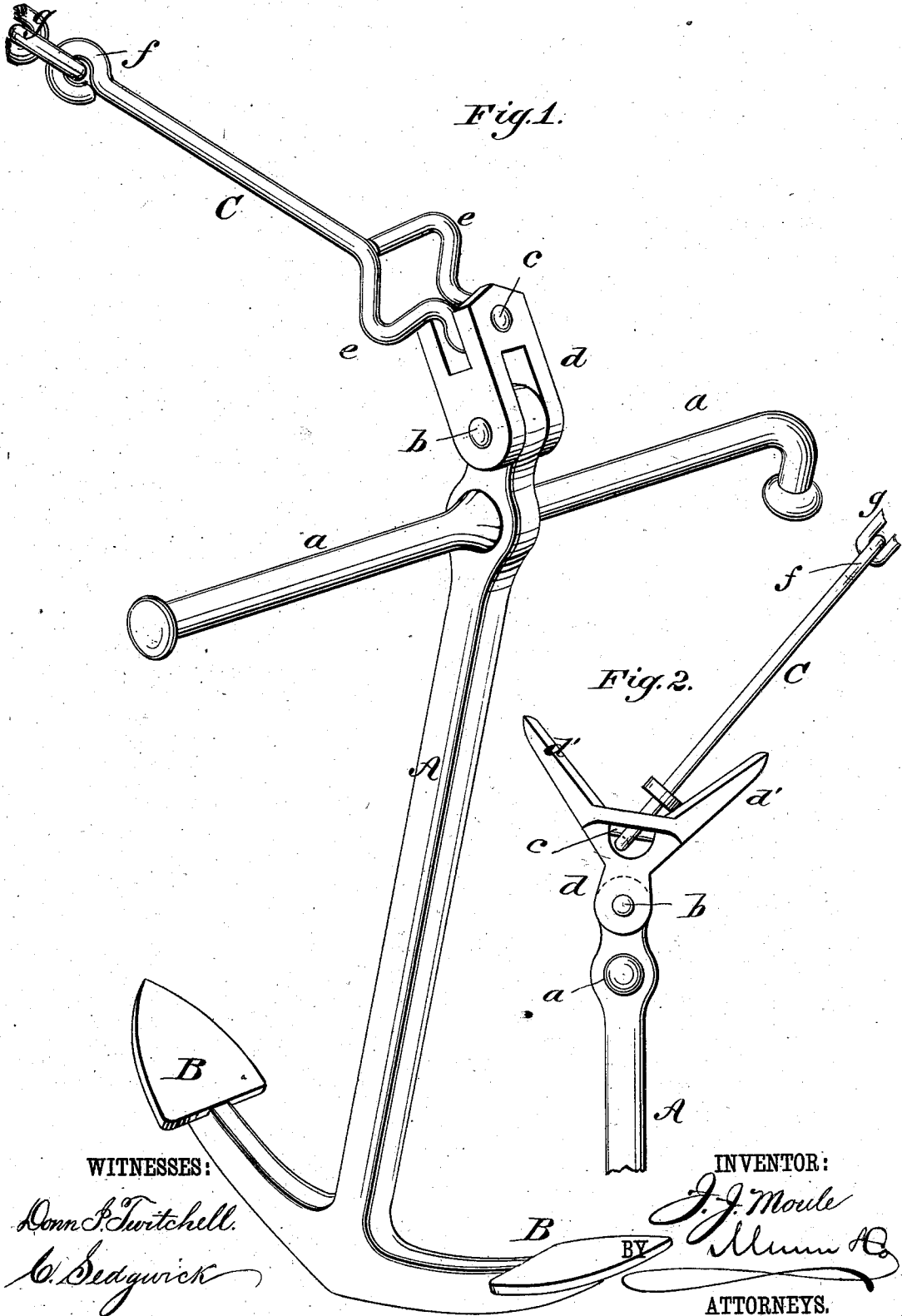


(No Model.)

J. J. MOULE.
Shackle Bar for Anchors.

No. 242,957.

Patented June 14, 1881.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN J. MOULE, OF FISHKILL-ON-THE-HUDSON, NEW YORK.

SHACKLE-BAR FOR ANCHORS.

SPECIFICATION forming part of Letters Patent No. 242,957, dated June 14, 1881.

Application filed February 14, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. MOULE, of Fishkill-on-the-Hudson, in the county of Dutchess and State of New York, have invented a new and useful Improvement in Shackle-Bars for Anchors, of which the following is a specification.

Anchor-chains are usually connected to the shank of the anchor by a ring or shackle that is held on the end of the shank by a pin or bolt. With that manner of connection the chain frequently fouls with the anchor and prevents it from holding.

The object of my invention is to prevent anchor-chains from fouling without limiting free movement of the chain and anchor; and to that end my invention consists in a rigid shackle-bar pivoted to a clevis, which, in turn, is pivoted to the anchor-shank, such bar being of a length to extend to or beyond the ends of the anchor-stock, so that the chain is held off and prevented from becoming engaged with the stock.

In the accompanying drawings, Figure 1 is a perspective view of an anchor fitted with my improvement; and Fig. 2 is a side elevation, showing a modification.

Similar letters of reference indicate corresponding parts.

The anchor shown is of ordinary construction, A being the shank, B B the flukes, and a the stock passing through an eye at the inner end of the shank.

d is a clevis hung on the end of Shank A by a cross pin or bolt, b, which permits the clevis to swing freely. The outer end of the clevis d is forked or slotted at right angles to the fork, setting over the shank A and across this forked end is fitted a pin, e, on which the shackle-bar C is hung. The shackle-bar C can thus swing freely on its connection to the clevis, and with the clevis turn on the shank. The bar C is preferably formed near clevis d with side lugs or extensions, e, which, by contact with

the clevis, prevent the bar from dropping below the stock a. The bar C is of suitable size to give the required strength, and of a length to extend to or beyond the ends of stock a, or it may come short of the ends. Its outer end is formed with an eye-ring, f, for connection of the chain g.

In applying these devices to an ordinary anchor the clevis d is readily put in place of the usual ring or shackle at the end of the shank. The bar C serves to hold the chain off and prevent it from becoming entangled with the stock. It is effective for this purpose, and saves much time and annoyance in that particular without injuring the effectiveness of the anchor.

In Fig. 2 the clevis d is shown as formed with short flukes d', and when made in that manner such flukes limit the swing of bar C, so that the lugs e are not required.

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

1. The combination, with an anchor provided with a stock, of a rigid shackle-bar connected to the shank by a double joint and of a length equal to or greater than the arms of the stock, whereby the chain is prevented from becoming entangled with the stock, substantially as shown and described.

2. The rigid shackle-bar C, provided with the lugs or extensions e, and the eye or ring f, connected to the anchor-shank A by a double joint, substantially as herein shown and described, for the purpose set forth.

3. The combination, with the shank A, provided with the stock a, of the clevis d, pivoted to the said shank, and the rigid shackle-bar C, pivoted to the clevis, substantially as and for the purpose set forth.

JOHN J. MOULE.

Witnesses:

B. H. WEBSTER,
A. J. BUTLER.