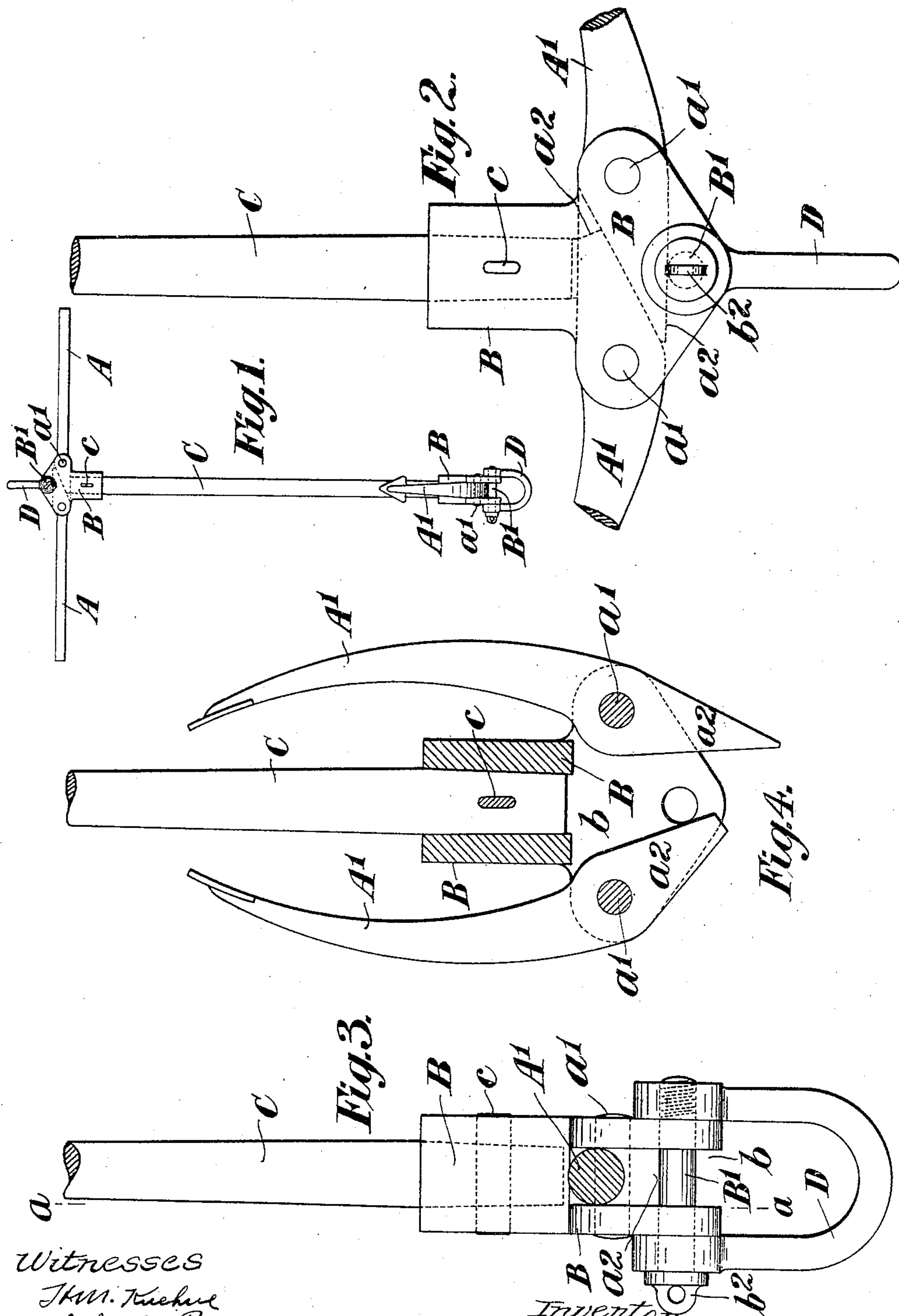


No. 791,893.

PATENTED JUNE 6, 1905.

R. FOWLER.
SHIP'S ANCHOR.
APPLICATION FILED JAN. 4, 1905.



Witnesses

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UNITED STATES PATENT OFFICE.

ROBERT FOWLER, OF NORTH WILLIAMSTOWN, VICTORIA, AUSTRALIA.

SHIP'S ANCHOR.

SPECIFICATION forming part of Letters Patent No. 791,893, dated June 6, 1905.

Application filed January 4, 1905. Serial No. 239,644.

To all whom it may concern:

Be it known that I, ROBERT FOWLER, fitter, a subject of the King of Great Britain and Ireland, residing at No. 51 Bunbury street, North Williamstown, in the British State of Victoria, Commonwealth of Australia, have invented a new and useful Improved Ship's Anchor, of which the following is a specification.

This invention relates to an improvement in the means of attaching the stock and the arms or flukes to the shank of ship's anchors in such a manner that said parts can be folded up against the shank when the anchor is not in use, thus reducing the space required for it aboard ship. The said stock and the arms or flukes are each made in two lengths or parts, the two parts forming the stock being separately hinged or pivoted to a slotted head-piece secured or formed on the top end of shank, and the other parts forming the arms or flukes being in like manner separately hinged or pivoted to another slotted head-piece secured or formed on the bottom end of shank. The back part of each hinged stock and arm-piece has a tapered tongue formed on it, and the one tongue of each pair is arranged to overlap the other in the slotted head, and when in such position each pair is secured or locked thereat by a transverse pin or screw-bolt which passes through the cheeks of head-piece and bears against the back of the outermost tongue. Said locking-pin also supports a shackle. This form of folding anchor will be most useful for yachts and the smaller class of boats and ships.

The invention will now be more fully described, aided by a reference to the accompanying sheet of drawings, in which similar letters of reference refer to the same parts throughout, and in which—

Figure 1 is a side view of an anchor constructed according to my invention and drawn to a smaller scale than the other figures;

Fig. 2, a detail side view showing the arms or flukes attached to the shank in accordance with my invention and when locked in their working position, and Fig. 3 an edge view of same, while Fig. 4 is a sectional view on line

a a, Fig. 3, but showing the arms or flukes folded against the shank.

A represents the two parts forming the stock, and A' the two parts forming the arms or flukes, said parts being of the desired shape, and each part is hinged or pivoted at *a'* to its head-piece B on the shank C. Also each of said hinged parts is provided with a tapered tongue *a''*, one of which is shorter than the other to allow it to pass to its position, as shown in Fig. 2. The end or tongue part *a''* of each pair of lengths forming the stock and the arms or flukes is pivoted in a recess *b* in the triangular-shaped head-piece B, which has a socket on it, and said head-pieces are secured by such as a key *c* to each end of the shank C.

When the stock-pieces A or arms or flukes A' are in their locked position, as shown in Figs. 1 and 2, the outer longer tongue overlaps the inner or shorter one, which bears against the end of socket in the recess *b*, and the tongues are held in such position by the transverse pin or bolt B', which passes through the cheeks of the head-pieces B, and thus prevents the stock-pieces A or arms or flukes A' from moving in either direction on their pivots *a'*. Said locking-pins B' also support an ordinary shackle D, and said pins are threaded to take into the tapped holes of shackles, while one end of each pin may have an eye on it to allow of its being screwed up or unscrewed thereby with the aid of a rod or lever.

To fold the stock-pieces or the arms or flukes against the shank, the locking-pins B' are removed from the heads B, and said parts may then be swung on their hinge-pivots so that they lie close against the shank in the manner shown in Fig. 4.

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

1. A ship's anchor having a shank, slotted head-pieces at each end thereof, each of said pieces having three transverse holes therein, stock-pieces or arms or flukes having their pivots supported in the two outer holes, shackles, and a pin passing through the third hole and

fastening the arms or stock-pieces in operative position and holding the shackles to the anchor, substantially as described.

2. In a ship's anchor in combination, a shank,
5 two slotted head-pieces, two stock-pieces, two arms or flukes, and which stock and fluke pieces are hinged or pivoted to said head-pieces, each hinged piece being provided with a tapered tongue, the lower edge of one tongue
10 bearing against the upper edge of the other tongue when the parts are in operative position and the locking-pins substantially as described and shown.

3. A ship's anchor consisting in combina-

tion a shank, a slotted head at each of its ends, 15
two hinged or pivoted stock-pieces, two hinged or pivoted arms or flukes, each stock-piece and arm provided with a tapered tongue, and a pin for holding the shackle in place and for locking the stock-pieces and arms in opera- 20
tive position a shackle for each head-piece substantially as described and shown.

In witness whereof I have hereunto set my hand in presence of two witnesses.

ROBERT FOWLER.

Witnesses:

ROBT. PEITCH,
BEDLINGTON BODYCOMB.