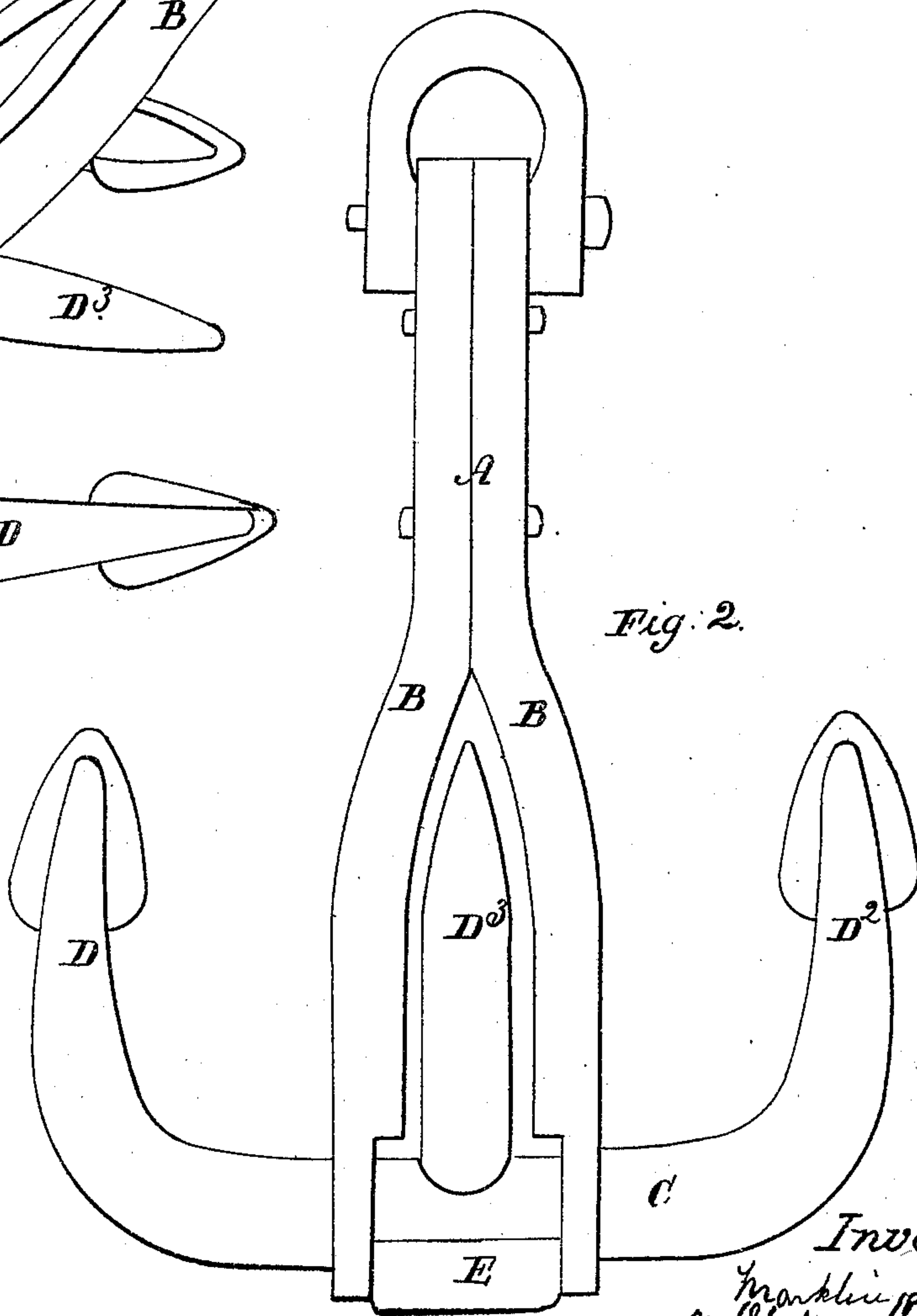
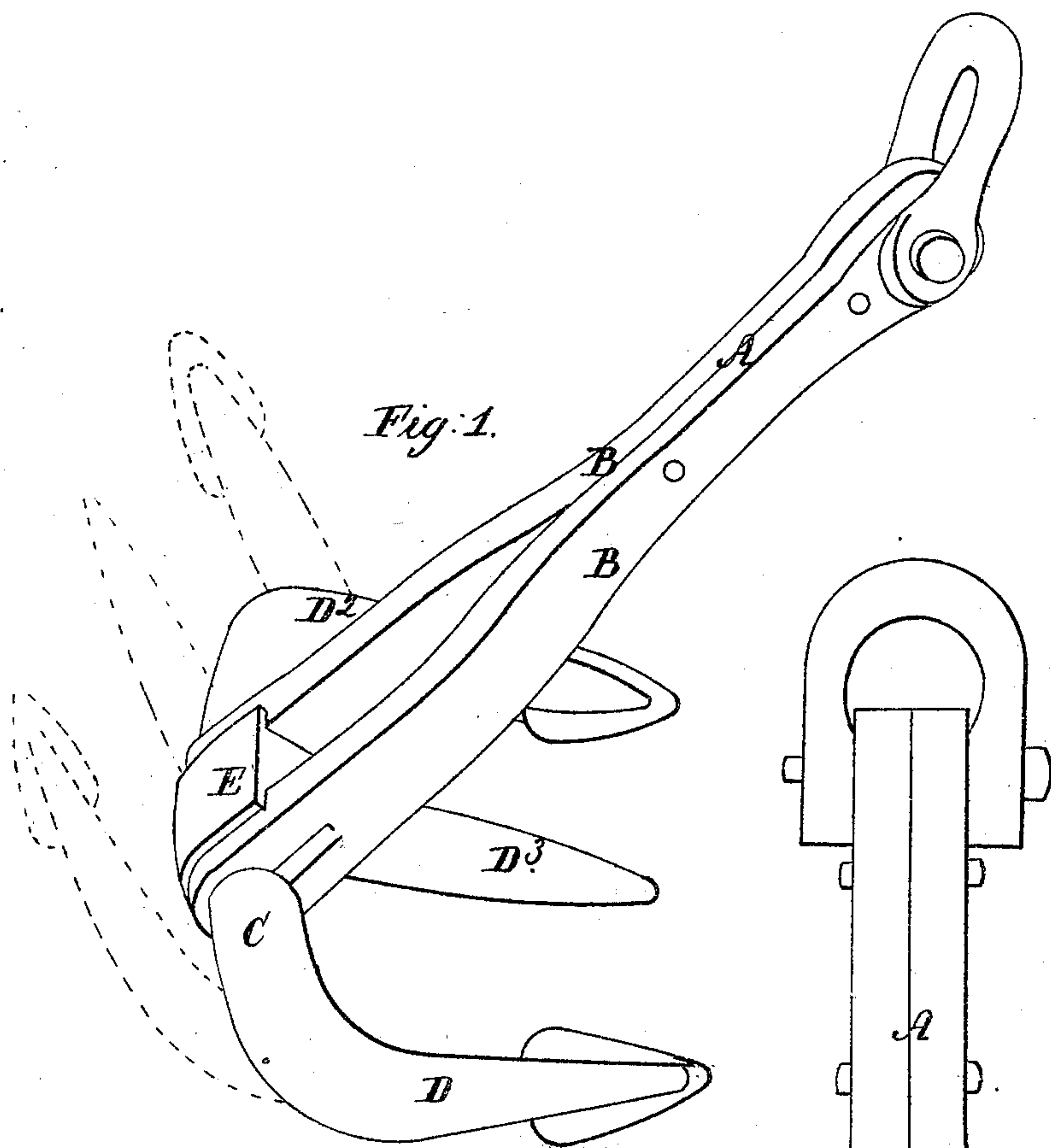


# F. J. Latham. Anchors.

N<sup>o</sup> 57,339.

Patented Aug. 21, 1866.



Witnesses  
C. O. Gordon  
J. P. Prougen

Inventor  
Franklin J. Latham  
per Charles H. Hume atty

# UNITED STATES PATENT OFFICE.

F. J. LATHAM, OF NEW YORK, N. Y.

## IMPROVED ANCHOR.

Specification forming part of Letters Patent No. **57,339**, dated August 21, 1866.

*To all whom it may concern:*

Be it known that I, FRANKLIN J. LATHAM, of the city, county, and State of New York, have invented, made, and applied to use certain new and useful Improvements in Anchors; and I do declare the following to be a full, clear, and correct description of the same, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a front view of my improved anchor; Fig. 2, a view of the same when in use.

In the drawings like parts of the invention are pointed out by the same letters of reference.

The nature of my invention consists in certain improvements in the construction of anchors, as hereinafter fully set forth.

To enable others skilled in the arts to make and use my invention, I will describe the construction and operation of the same.

A shows the shank of the anchor, composed of the sections B B bolted together. These sections B B are made heavier at their lower ends, thus enabling the weight of the anchor to be concentrated where most required. These sections B B are so constructed as to embrace within them the middle fluke, D<sup>3</sup>, and are provided with the bottom openings, through which passes the stock C, provided with the end flukes, D and D<sup>2</sup>, and central fluke, D<sup>3</sup>.

At the center of the stock C, and attached to its under side, is the crown-piece E, constructed with a view to concentration of weight, and of such form as to cause the flukes to take hold of the ground. This crown-piece E forms, as it were, a pivot, upon which the stock C, provided with the flukes D, D<sup>2</sup>, and D<sup>3</sup>, turns freely.

My improved anchor being thus constructed, the operation is as follows: When the anchor is let go and strikes the bottom the flukes, by their own weight, perform about a quarter-revolution, their pointed ends turning downward, and as the strain is brought upon the cable the pointed ends of the flukes are inserted in the ground.

When desired to hoist the anchor the operation is the same as in the ordinary anchor.

It will be observed that the shank of my improved anchor is made in sections bolted together. The advantages which arise from this mode of making are, cheapness of manufacture, portability, and capability for stowage in a smaller compass than an anchor made in the usual way.

By combining, as shown, the stock with the flukes, the anchor is not liable to foul, and the anchor more readily takes and retains its hold of the ground.

By making the crown-piece as shown the weight is concentrated where most needed, and the crown-piece performs the functions usually effected by the use of a trigger.

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

In combination with the shank, constructed substantially as shown, the use or employment of the stock, flukes, and crown-piece, as and for the purposes fully indicated.

FRANKLIN J. LATHAM.

In presence of—

A. SIDNEY DOANE,  
JAS. POUGE.