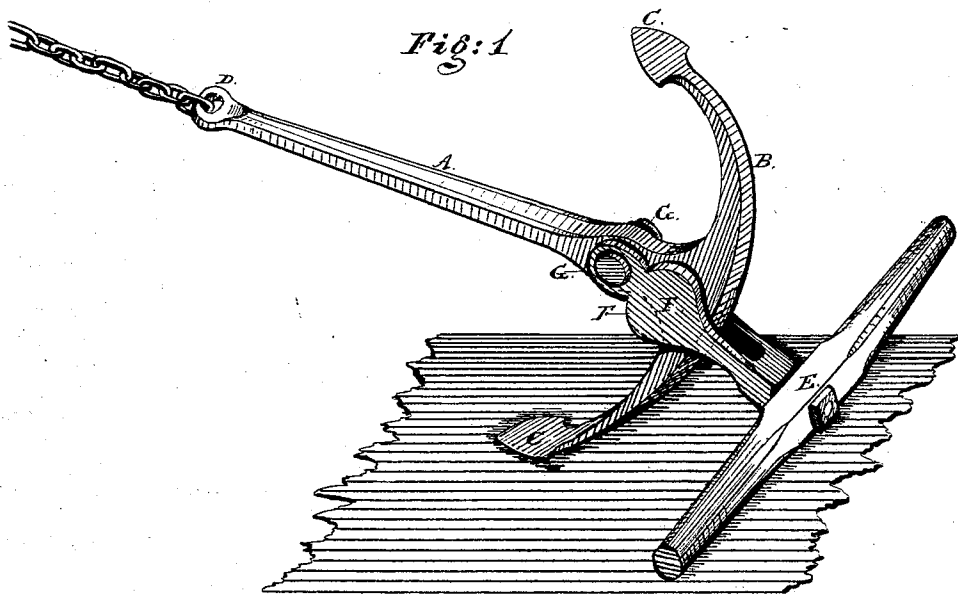


P. T. WELLS.
Anchors.

No. 151,815.

Patented June 9, 1874.



WITNESSES

H. H. Young
W. A. Rice

By

INVENTOR

Paul T. Wells
Stansbury & Munro
Attorneys

UNITED STATES PATENT OFFICE.

PAUL T. WELLS, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN ANCHORS.

Specification forming part of Letters Patent No. **151,815**, dated June 9, 1874; application filed May 13, 1874.

To all whom it may concern:

Be it known that I, PAUL T. WELLS, of Baltimore, in the State of Maryland, have invented an Improvement in Anchors; and I do hereby declare the following to be a full and correct description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved anchor in the position it would have when holding a vessel.

My invention consists in attaching the stock to the shank by an oscillating loop, so arranged that the stock, when the anchor is hanging by the cable, will swing below the arms and at right angles to them, the object being that, when the anchor is dropped, the stock shall be the first part to come in contact with the ground, and, in all positions in which it may strike, shall give such direction to the arms as to insure the obtaining of an immediate and advantageous hold, all as hereinafter set forth.

In the accompanying drawing, A marks the shank of the anchor; B B, the arms; C C, the flukes, and D the eye to which the cable is attached. E is the stock, which may be made of the ordinary form and material. It is se-

curely bolted or otherwise fastened to the pendulous loop F, which is hung to the shank A by means of bolt G passing through eyes in the end of the loop and a hole in the shank, as clearly shown in the drawing.

Thus constructed, the operation is such that when the anchor is dropped the stock E first reaches the ground, and, lying upon it, presents one of the arms of the anchor in the most favorable position for taking an immediate and secure hold of the ground.

What I claim is—

1. The combination, with an anchor of any ordinary construction, of the stock E, connected with the anchor-shank by means of the pendulous loop F and bolt G, all constructed and operating substantially as described.

2. An anchor having the stock attached at the same end of the shank as the arms, substantially in the manner specified.

The above specification of my said invention signed and witnessed, at Washington, this 11th day of May, A. D. 1874.

PAUL T. WELLS.

Witnesses:

W. P. BELL,
CHAS. F. STANSBURY.