A. S. & T. J. Trafton,

Anchor.

No. 88346. Patented. Mar. 30. 1869.

Fig. 3.

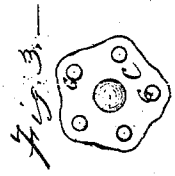
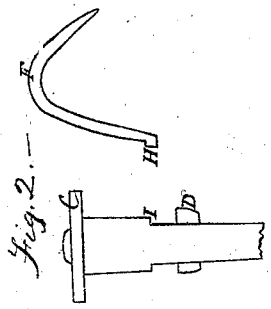


Fig. 2.



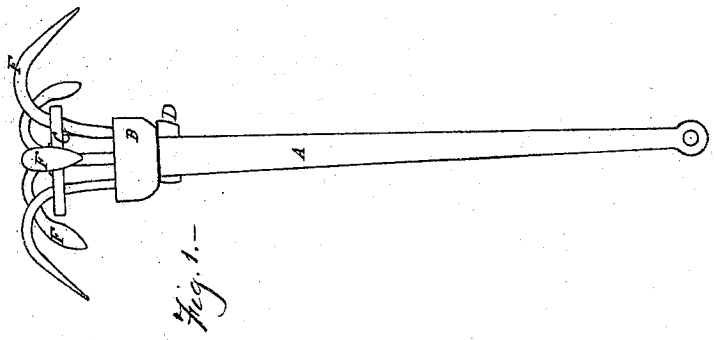


Fig. 1.

Witnesses:
Wm. Keaman
Wm. Dennis

Alfred S. Trafton
Timothy J. Trafton
By their Atty J. Dennis

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

United States Patent Office.

ALFRED S. TRAFTON AND TIMOTHY J. TRAFTON, OF PORTSMOUTH, NEW HAMPSHIRE.

Letters Patent No. 88,346, *dated March* 30, 1869.

IMPROVEMENT IN GRAPPLINGS FOR ANCHORS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, ALFRED S. TRAFTON and TIMOTHY J. TRAFTON, both of Portsmouth, Rockingham county, in the State of New Hampshire, have invented an Improved Grappling for Fishing Anchors, Anchoring Fishing-Vessels, and for other purposes; and we hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawings, forming part of this specification.

The nature, or essence of our invention consists in the peculiar method employed to secure the hooks, or flukes of the grappling upon the stock, this purpose being effected by forming a shoulder upon the stock, and a projection upon the arms, or flukes, adapted to fit the offset formed by said shoulder, and holding the flukes thereto by a ring, or ferrule, the flukes also passing through holes in a plate secured upon the end of the stock.

In the following description of our invention, reference will be had to the drawings hereinbefore mentioned—

Figure 1 being a side view of our improved grappling;

Figure 2, a similar view of the same, without the flukes and ring, together with a detached fluke, or stook; and

Figure 3, an end view, showing the end plate with holes for the hooks to pass through.

The stock A is provided with a shoulder, I; and a plate, C, having holes G, is riveted, or otherwise secured upon the end of the stock.

The hooks F have a projection, H, adapted to fit the offset formed by the shoulder I, and the flukes, or hooks being first put through the holes G, are applied accordingly to the stock, and the ring, or ferrule B, is then slipped down over them, so as to hold them firmly against the stock, the ring being then secured by the key D passing through the stock

By this arrangement the flukes are firmly secured upon the stock for use, and can be readily detached for being laid aside, or packed away when not wanted, the construction combining strength, simplicity, convenience, and economy.

1. In combination with the stock A of a grappling, we claim the plate C, secured upon the same, and provided with holes G, for holding and strengthening the flukes, substantially as described.

2. In combination with the projection H upon the flukes, we claim the shoulder I and ring, or ferrule B, for securing the flukes upon the stock, substantially as set forth.

ALFRED S. TRAFTON.
TIMOTHY J. TRAFTON.

Witnesses:
HENRY S. BADGE,
DANIEL MASON.