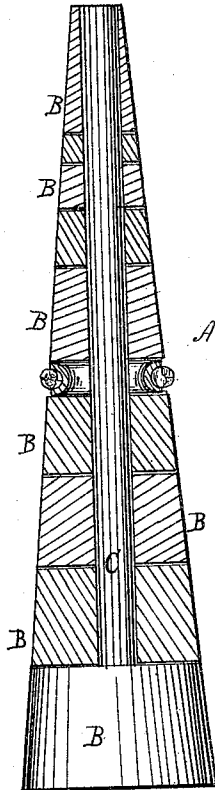


H.H. Pember

Ship's Implement.

N^o 2,880.

Patented Mar 12, 1867.



Witnesses.
F. a. Jackson
J. A. Service

Inventor
H. H. Pember
Per *Munnell &*
Attorneys

United States Patent Office.

HENRY H. PEMBER, OF NEW YORK, N. Y.

Letters Patent No. 62,880, dated March 12, 1867.

IMPROVED FID.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, HENRY H. PEMBER, of the city, county, and State of New York, have invented a new and improved "Fid;" and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

The present invention relates to an implement or tool, called a "fid," used more particularly by seamen for securing a cringle-rope about the outside of a ring or thimble; and this invention consists in forming or making the "fid" in sections, and in so constructing it in other respects as to receive and hold a ring or thimble of any desired size within its limit, so that as the cringle-rope or cord is driven and forced over the fid from its smaller to its larger end such cringle will, when stretched thereby to the proper degree, fall or come into position about and around the ring or thimble.

By means of a fid of the construction herein above described cringles can be made to greater advantage and with more facility, less labor and trouble than heretofore, for this reason, more especially, that the cringle, after being stretched upon the fid to the required degree to fit over the thimble or ring, must be then removed therefrom and forced over such ring.

In the accompanying plate of drawings my improved "fid" is illustrated. the figure being a central section through the same in the direction of its length.

A, in the drawings, represents a fid, which, in lieu of being made solid and of one piece, as heretofore, is made in a series of sections or parts, B, divided transversely or across its width from end to end, either equal or unequal in size. The several parts are shown as placed one upon another in regular order and succession, resting upon the section constituting the larger end of the fid, from which extends up and through the centre of the several sections a centre rod or shaft, C, around which they fit, the series, when placed in proper order and succession, forming a fid of the ordinary taper shape from end to end. In the drawing, a ring or thimble is shown as placed between two sections of the fid at that point of its length where the diameter of the same corresponds, or nearly so, to that of the ring or thimble, so that when the cringle is driven or forced over the fid from its smaller to its larger end it will, after being thereby stretched to the proper degree, fall into position over and about the ring or thimble.

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

The fid, consisting of a series of transversely divided sections, B, of conical form, resting on each other, fitted on the shaft C, and adapted to receive the thimble between the sections relative to size, substantially as represented and described.

The above specification of my invention signed by me this 15th day of November, 1866.

HENRY H. PEMBER.

Witnesses:

WM. F. McNAMARA,
ALBERT W. BROWN.