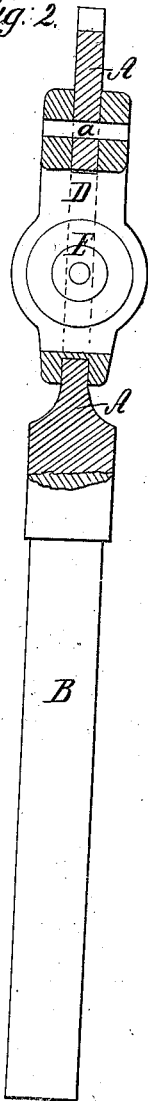


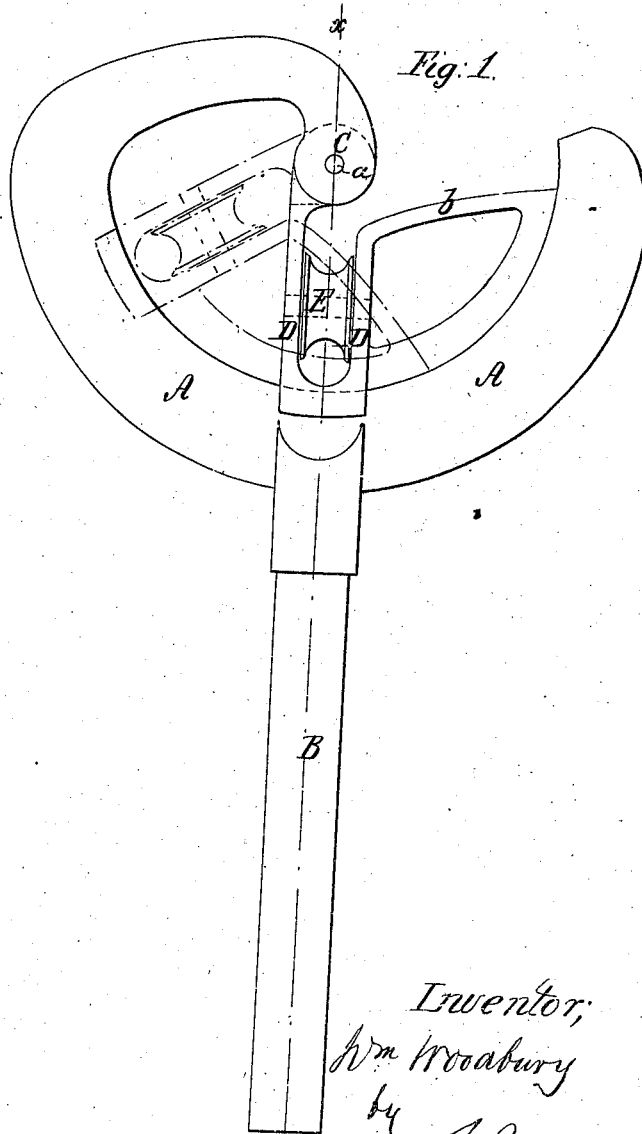
W. Woodbury,
Tackle Block,
No 52,634,
Patented Feb. 13, 1866.

Fig. 2.



Witnesses;
Mr. Bailey
Jos L. Coombs

Fig. 1.



Inventor;
Wm Woodbury
by

Stoll
Att. atty

UNITED STATES PATENT OFFICE.

WILLIAM WOODBURY, OF CHELSEA, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND MELLEN BRAY.

SELF-ADJUSTING PULLEY FOR FISHING-BOATS.

Specification forming part of Letters Patent No. 52,634, dated February 13, 1866.

To all whom it may concern:

Be it known that I, WILLIAM WOODBURY, of Chelsea, in the county of Suffolk and State of Massachusetts, have invented a new and useful Self-Adjusting Block or Pulley; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

In the accompanying drawings, making a part of this specification, Figure 1 is a side elevation of the block or pulley and the bracket from which it is suspended. Fig. 2 is a section on line *xx* in Fig. 1.

The object of my invention is to provide a suitable substitute for the rude contrivance now used by fishermen, and called a "fishing-cleat."

It is well known that when fishing from a boat the line does not always assume a vertical direction and keep it, but is affected by both wind and tide and also by under currents, and consequently it sometimes drops vertically over the side of the boat, sometimes it runs astern, and again is driven forward, so that it may hang from the side of the boat at any angle from a vertical line up to sixty degrees forward or sixty degrees aft.

As the wind and tide sometimes act with great force upon the line, it becomes necessary to have some means of holding the line in place where it passes over the boat's side. The means now used is what is termed a "fishing-cleat," and consists of a strip of wood nailed onto the rail of the boat, and having a wooden pin inserted into it vertically. When the line trails aft it is thrown over forward of this pin, and when it trails forward it is thrown over aft of it, so that in whatever direction the line trails, the bite is taken in the corner formed by the junction of the pin with the strip of wood into which it is inserted. It is quite evident to the most casual observer that with this arrangement there must be a great deal of wear and chafing of the lines in drawing them in over this fishing-cleat, and the necessity for some improved arrangement has long been felt, which necessity it is the object of my invention to supply.

Another advantage resulting from the use

of my invention will be the greater ease with which the fish may be drawn in.

The nature of my invention consists in substituting a block or pulley of peculiar construction for the fishing-cleat now used.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

I make a metal bracket, A, in the form of a semicircle or inverted arch, from the lower portion of which a pin, B, projects downward to be inserted into the rail of the boat. One arm of the semicircle is extended upward and curved until it terminates in a hub at the center of the semicircle at C. From this hub I suspend, by means of the pin *a*, a block, D, of peculiar construction, and carrying a sheave E.

The block D is made open at the top, and is provided with a guard, *b*, so that the line may be readily thrown onto the sheave. The lower end of the block is made forked, so as to clasp the circular bracket and form an additional support.

When the line is thrown into the sheave, if it trails to the left the block D immediately assumes the position shown in red lines in Fig. 1, or if it trails to the right the block will swing in the opposite direction and immediately accommodate itself to the direction of the line.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination of a block or pulley with a circular bracket, under such an arrangement as to allow of the pulley revolving upon its axis, while the latter is free to move within the plane of the bracket, substantially as set forth.

2. The employment of a block when made with an opening at the top and provided with a guard, in combination with a bracket, as and for the purposes herein set forth.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

WILLIAM WOODBURY.

Witnesses:

B. F. YOUNG,
SELENN Z. BONMAN.