

P. A. DANIELSON.

ROW-LOCKS.

No. 190,131.

Patented May 1, 1877.

Fig. 1.

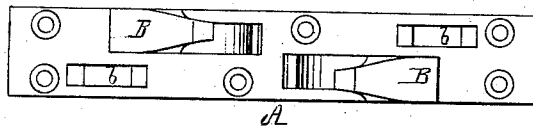


Fig. 2.

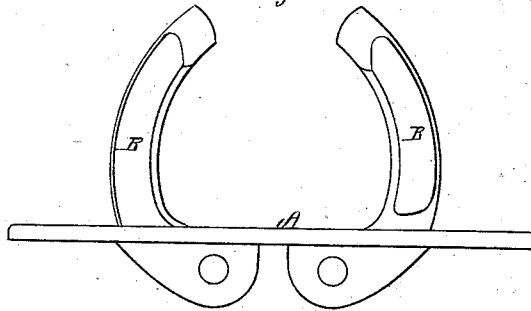


Fig. 3.

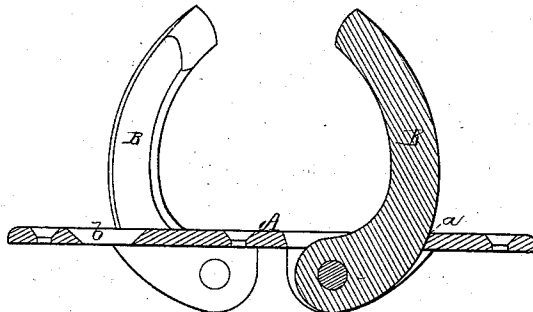
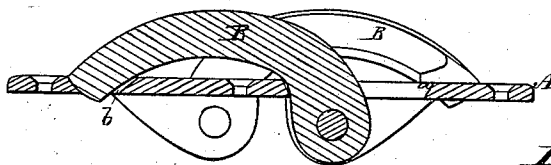


Fig. 4.



Witnesses.

S. W. Piper.

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UNITED STATES PATENT OFFICE.

PETER A. DANIELSON, OF PORTSMOUTH, NEW HAMPSHIRE.

IMPROVEMENT IN ROWLOCKS.

Specification forming part of Letters Patent No. **190,131**, dated May 1, 1877; application filed February 20, 1877.

To all whom it may concern:

Be it known that I, PETER A. DANIELSON, of Portsmouth, in the county of Rockingham and State of New Hampshire, have invented a new and useful Improvement in Rowlocks; and do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, and Figs. 3 and 4 longitudinal sections, of one of my improved rowlocks.

In this rowlock the two horns are so hinged or pivoted to the base as to be capable of being turned down thereupon alongside of each other, their outer ends, when being turned down, being received into recesses within the base.

In the drawings, A denotes the base, which is designed to be screwed or fastened to the gunwale of a boat. To this base are hinged two curved horns, B B, each of which, when in an upright position, bears against a supporting-shoulder, *a*.

These horns are arranged so that when they are turned down upon the base one of them shall be aside of the other, each at its fore end entering a recess, *b*, made in the base, the whole end of the horn being shielded by such recess. The object of the recess is to prevent a rope, while passing across the row-

lock, from catching against the free end of the horn in such recess. Each horn turns down in a direction opposite to that at which the fellow horn so turns down.

To use the rowlock the horns have to be turned up, the oar being inserted between them.

The advantages of this rowlock will easily be seen by seamen or others skilled in the construction or use of boats.

The horns, being permanently attached to the base, are not liable to be stolen or lost, as are common thole-pins. Besides, each, being arched or curved, presents, when down, no obstruction to the passage of a rope across it. In going alongside of a vessel or landing-place, the horns, on the oar being unshipped from the rowlock, can readily be turned down so as not to be in the way, and they can as readily be turned up preparatory to placing an oar between them.

I claim as my invention—

The base A, provided with the recesses *b b*, in combination with the two horns B B, pivoted to the said base, and to operate with respect to each other and the said recesses, all substantially as set forth.

PETER A. DANIELSON.

Witnesses:

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