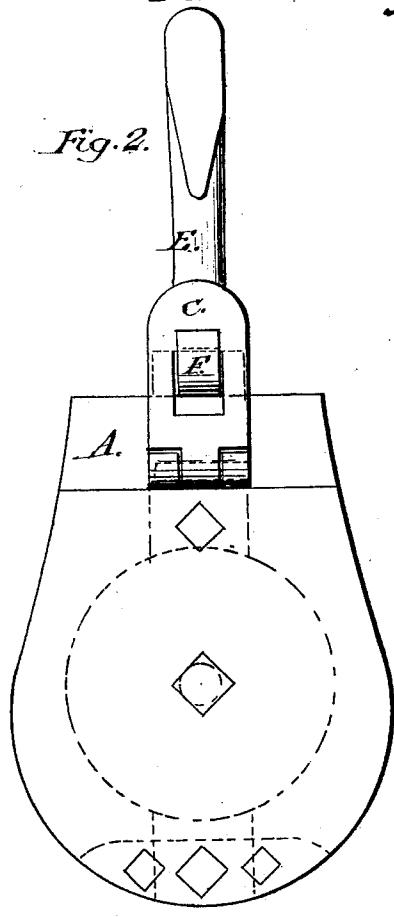
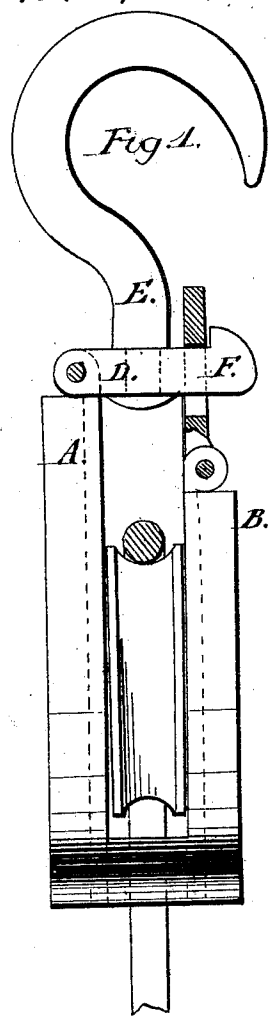


H. O. Winsor,

Snatch-Block.

No. 90213.

Patented May 18, 1889.



Witnesses:
E. Greene Collins
John F. Brooks

Inventor:
H. O. Winsor.
Mumt & Co.
Attorneys

United States Patent Office.

H. O. WINSOR, OF DUXBURY, MASSACHUSETTS.

Letters Patent No. 90,213, dated May 18, 1869.

IMPROVEMENT IN SNATCH-BLOCKS.

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, H. O. WINSOR, of Duxbury, in the county of Plymouth, and State of Massachusetts, have invented a new and useful Improvement in Tackle-Blocks; 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 part of this specification.

This invention relates to improvements in tackle-blocks, such as are used for supporting pulleys for raising heavy weights, by means of ropes passing through the said blocks over the pulleys, and is designed to provide a means for readily discharging the rope therefrom, or engaging it therewith, without the labor and delay of drawing the rope lengthwise through the opening.

It consists in an arrangement of jointed and hinged fastening for the hooks, by which the blocks are suspended, capable of being opened for the admission or discharge of the rope, as will be hereinafter specified.

Figure 1 represents a side elevation of my improved tackle-block, with a part broken out, and

Figure 2 represents a plan view of the same.

Similar letters of reference indicate corresponding parts.

Instead of joining the upper ends of the two sides A B of the block rigidly, as they are now commonly

formed, I propose to separate them, and make the one, B, shorter than the other, and hinge thereto a slotted catch, C, and to the end of the other part, I hinge a strong bar, D, for supporting the swivel-hook E, and having a hooked end, F, for engaging with the slotted catch C, the arrangement being such that when the two parts are engaged, the hook, by which the block is suspended from its fastening, will rise vertically from the block.

The rope, being in a slackened condition, may be quickly placed in position on the pulley, or removed therefrom, by disengaging the bar D from the catch C, and turning it back on its hinge, by which much time and labor may be saved in the case of long ropes being used, as will be readily understood.

When the bar D is engaged with the catch, the sides of the block are protected thereby against lateral strain.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The combination, with a tackle-block, divided at the upper end, as described, of the hinged transverse bar D, supporting the hook, and the hinged catch C, substantially as specified.

H. O. WINSOR.

Witnesses:

ALLEN PRIOR,
JOSIAH PETERSON.