T. C. MURN.

TACKLE BLOCK.

APPLICATION FILED MAY 2, 1916.

1,203,385. Patented Oct. 31, 1916.

Fig. 1.

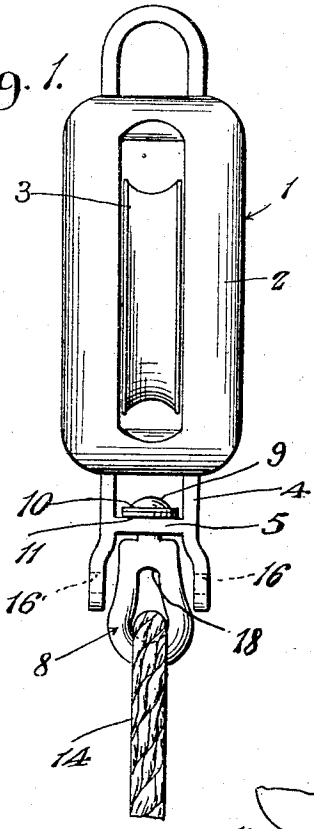
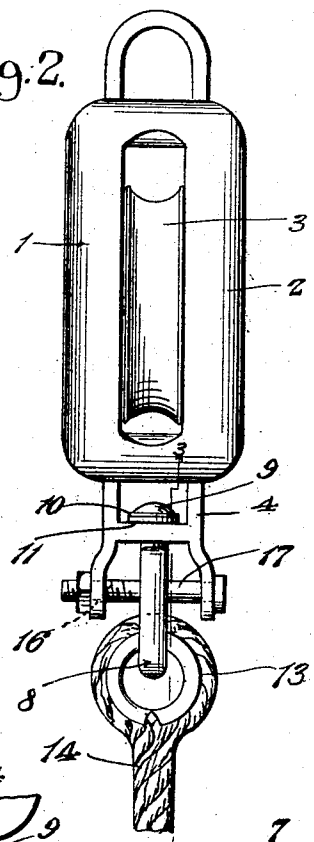


Fig. 2.



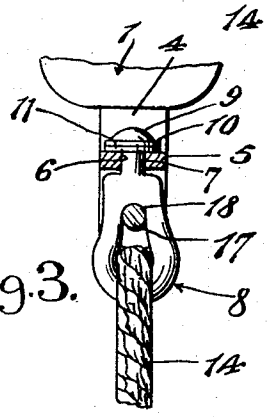


Fig. 3.

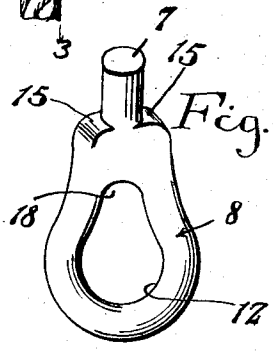


Fig. 4.

Witness:-

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UNITED STATES PATENT OFFICE.

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TACKLE-BLOCK.

1,203,385. Specification of Letters Patent. Patented Oct. 31, 1916.

Application filed May 2, 1916. Serial No. 94,904.

To all whom it may concern:

Be it known that I, THOMAS C. MURN, a citizen of the United States, residing at Manheim, in the county of Preston and State of West Virginia, have invented certain new and useful Improvements in Tackle-Blocks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a tackle block, and the primary object of the invention is to provide an attachment for ordinary tackle blocks, which will prevent the twisting of a load being hoisted through the medium of the block and which is also constructed so that the twist in the rope attached to the block may be permitted to pass therefrom, after which the attachment is locked to prevent further twisting movement of the rope.

With the foregoing and other objects in view this invention consists in such novel features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawings and claimed.

In describing the invention in detail reference will be had to the accompanying drawings wherein like characters designate like and corresponding parts throughout the several views, and in which:—

Figure 1 is a view of the improved attachment applied to a tackle block, and showing the same in a free or untwisting position. Fig. 2 is a view similar to Fig. 1 showing the attachment held rigidly for preventing twisting of the rope. Fig. 3 is a section on the line 3—3 of Fig. 2, and Fig. 4 is a perspective view of a part of the attachment.

Referring more particularly to the drawing, 1 designates a block of ordinary construction, which includes a body 2 and a pulley 3 carried thereby. The lower end of the block has a substantially H-shaped supporting body 4 attached thereto in any suitable manner, the lower ends of the legs of which are spread with relation to the upper ends of the legs, as clearly shown in Figs. 1 and 2 of the drawings. The cross piece 5 of the H-shaped body 4 is provided with an opening 6, through which the upper end 7 of the shank of an eye member 8 extends. The shank 7 is rotatably mounted in the opening 6, and it has an upset or rivet head 9 formed upon its upper end to prevent accidental disconnection between the eye 8 and the cross piece 5. Wear washers 10 and 11 are provided for taking up the wear occasioned by the swiveled or rotary movement of the eye member 8. The main body of the eye member 8 is provided with the centrally disposed opening 12 through which the eye 13 of a rope 14 of ordinary construction extends.

Shoulders 15 are formed upon the body of the eye member 8 for coaction with the head 9 and the wear washers 10 and 11 for limiting the vertical movement of the eye member with respect to the cross piece 5 of the H-shaped supporting body 4.

The spread ends of the legs of the H-shaped supporting body are provided with openings 16 which are provided for receiving the shank of a bolt 17. The bolt 17 is inserted through the upper reduced portion 18 of the eye 12 of the eye member 8 and through the opening 16 for preventing rotary movement of the eye member when desired. The bolt 17 will also act as a safety stop in case the riveted head 9 should break. If it is so desired, the device may be used without the employment of the bolt 17 without departing from the spirit of this invention.

When a block and tackle is hung for any of its many uses, the bolt 17 is removed from the opening 16 and from the upper reduced portion 18 of the eye 12, so as to permit the eye member 8 to rotate with respect to the supporting H-shaped member 4 and the body 1 of the block which will permit the rope 14 to untwist. After all of the twist is out of the rope 14, the bolt 17 is inserted through the opening 16 in the upper reduced portion for locking the eye shaped member 8 against rotary movement, which eliminates the twisting of the rope during the hoisting of an article.

In reducing the invention to practice, certain minor features of construction, combination and arrangement of parts may necessitate alterations to which the patentee is entitled provided such alterations are comprehended within the scope of what is claimed.

What is claimed is:—

1. The combination with an ordinary tackle block, of a metallic member attached to and extending outwardly from one end of said block, a cross piece carried by said member, an eye member swivelly connected

to said cross piece, legs formed upon said member and extending outwardly from said cross piece, a bolt detachably carried by said legs and extending through the eye of the eye member for preventing independent rotation of the eye member.

2. The combination with an ordinary tackle block, of a metallic member attached to and extending outwardly from one end of said block, a cross piece carried by said member, an eye member swivelly connected to said cross piece, legs formed upon said member and extending outwardly from said cross piece, the eye of said eye member having its upper portion constricted, a bolt detachably carried by said legs and extending through the constricted portion of the eye member for preventing independent rotation of the eye member and for bracing and supporting the eye member.

3. The combination with an ordinary tackle block, of a substantially H-shaped member connected to one end of said tackle block and including legs and a cross piece, an eye member swivelly connected to said cross piece and having shoulders formed thereon for engagement with the under surface of the cross piece for limiting the upward vertical movement of the eye member, said legs extending below said cross piece and being positioned upon opposite sides of said eye member, a bolt extending through said depending leg portions and through the eye of said eye member for preventing independent rotation of the eye member.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS C. MURN.

Witnesses:
C. J. HOOTON,
L. O. HEATH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."