No. 879,680. PATENTED FEB. 18, 1908.

C. I. SCOTT.

PULLEY BLOCK.

APPLICATION FILED OCT. 5, 1907.

Fig. 2.

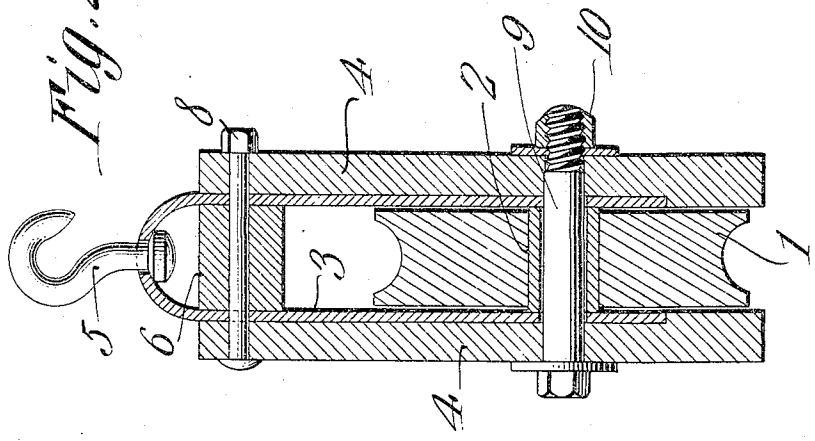
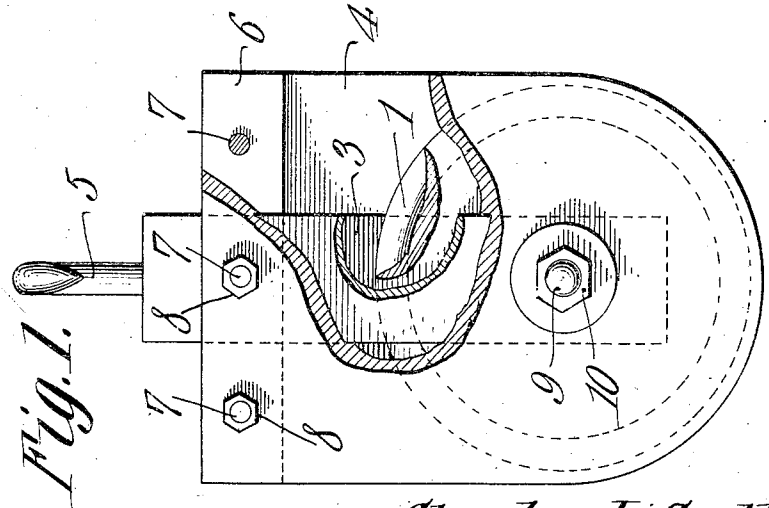


Fig. 1.



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CHARLES I. SCOTT, OF CHARLOTTE, MICHIGAN, ASSIGNOR TO SCOTT MANUFACTURING CO., OF CHARLOTTE, MICHIGAN.

PULLEY-BLOCK.

No. 879,680. Specification of Letters Patent. Patented Feb. 18, 1908.

Application filed October 5, 1907. Serial No. 396,089.

To all whom it may concern:

Be it known that I, CHARLES I. SCOTT, a citizen of the United States, residing at Charlotte, in the county of Eaton and State of Michigan, have invented a new and useful Pulley-Block, of which the following is a specification.

This invention relates generally to pulley blocks, and particularly to one of that class employing a wooden sheave.

The object of the invention is, without in the least detracting from the stability and wear resisting qualities of such articles, materially to simplify their construction, lighten their weight, and lessen the cost of their production, and further effectively to protect the sheave from injury, as from blows, or the like.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts, of a pulley block, as will be hereinafter fully described and claimed.

In the accompanying drawings forming a part of this specification, and in which like characters of reference indicate corresponding parts, Figure 1 is a view in side elevation, partly in section, of a pulley block constructed in accordance with the present invention. Fig. 2 is a view in vertical transverse section through the block.

The pulley block comprises a wooden sheave 1, centered in which is a metallic sleeve 2 that projects at each end beyond the sides of the sheave, a yoke or strap 3, and a pair of check plates 4, the latter also being of wood.

The yoke is, by preference, made of steel and may be of any preferred thickness and width, and has assembled with its crest a swiveled hook 5.

The cheek plates 4 are round at their lower ends and are straight at their upper ends, and are of a width to project beyond the periphery of the sheave in order to protect the latter against injury as from blows, or the like.

In order to reduce the space between the cheek plates to a minimum, and also to strengthen the assemblage of the yoke therewith, the members of the latter are rabbeted into the cheek plates and lie flush with the opposed faces thereof, as clearly shown in Fig. 2.

To maintain the upper portions of the cheek plates properly spaced apart, and also to prevent inward flexing of the yoke from strains, a spacing block 6 is provided which, as shown in Fig. 1, extends the entire width of the plates. The cheek plates are assembled with the yoke and with the spacing block by a plurality of bolts 7, three in this instance being shown, which carry nuts 8 by which the bolts are firmly clamped in position.

The sleeve 2 is carried by a spindle bolt 9 with which is combined a nut 10 that holds the bolt against disconnection from the block. It will be seen by reference to Fig. 2 that the sleeve extends some distance beyond the faces of the sheave, and by this arrangement it will be impossible for the latter to be impinged against either by the yoke members or by the opposed faces of the cheek plates when the nut 10 is tightened, whereby free rotation of the sheave under all conditions will be assured.

The improvements herein defined, while simple in character, will be found thoroughly effective for the purposes designed and will mutually coact in the production of a cheap, light and durable form of pulley block.

I claim:—

1. A pulley block comprising a sheave, a sleeve centered therein and projecting beyond both sides thereof, a yoke straddling the sheave and carrying a swiveled hook, a spacing block disposed within the yoke adjacent to its crest, cheek plates disposed exteriorly of the yoke and extending beyond the periphery of the sheave, bolts passing through the cheek plates, yoke and spacing block to hold the parts assembled, and a spindle bolt passing through the cheek plates and sleeve and embodying means for locking it in position.

2. A pulley block comprising a sheave, a sleeve centered therein and projecting beyond both sides thereof, a yoke straddling the sheave and carrying a swiveled hook, a spacing block disposed within the yoke adjacent to its crest, cheek plates into which the

yoke members are rabbeted and that extend beyond the periphery of the sheave, bolts passing through the cheek plates, yoke and spacing block to hold the parts assembled, and a spindle bolt passing through the cheek plates and sleeve and embodying means for locking it in position.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

CHARLES I. SCOTT.

Witnesses:
B. P. MOYER,
A. H. COGSWELL.