P. Luck,

Tackle Block.

No. 47,558. Patented May 2, 1865.

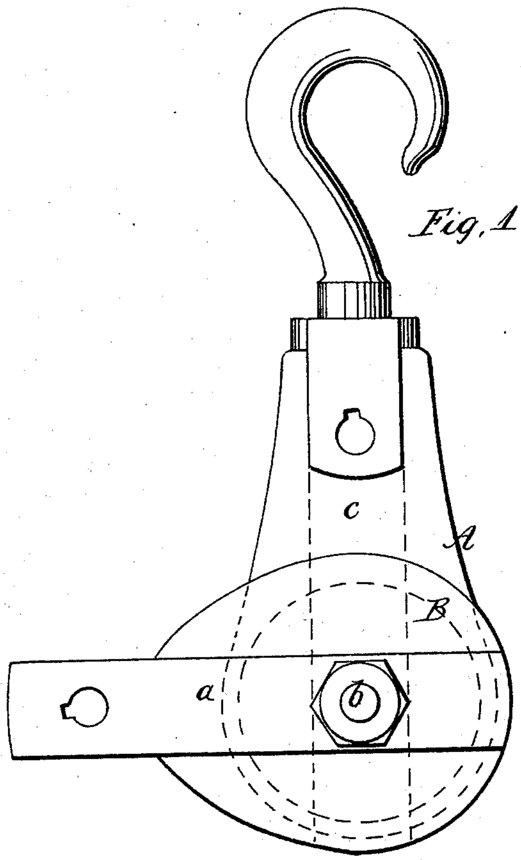

Fig. 1.

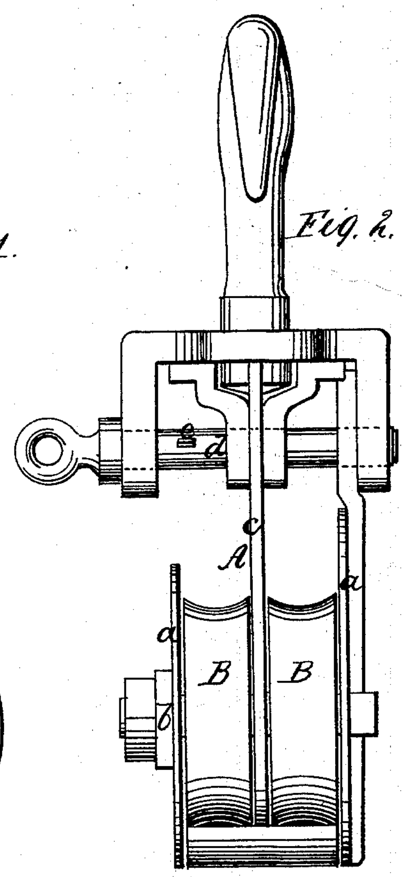

Fig. 2.

Witnesses,

[illegible]

C. L. Topliff

Inventor;

Peter Luck

UNITED STATES PATENT OFFICE.

PETER LUCK, OF WILLIAMSBURG, NEW YORK.

IMPROVED PULLEY-BLOCK.

Specification forming part of Letters Patent No. **47,558**, dated May 2, 1865.

To all whom it may concern:

Be it known that I, PETER LUCK, of Williamsburg, in the county of Kings and State of New York, have invented a new and Improved Pulley-Block; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a side elevation of this invention, showing one of the side wings turned down to admit the rope. Fig. 2 is a front elevation of the same.

Similar letters of reference indicate corresponding parts.

This invention consists in the application to a pulley-block of one or more movable side wings, in combination with a locking pin, and hung upon the axle of the sheave or sheaves in the pulley-block in such a manner that by withdrawing the locking-pin said movable side wing or wings are liberated and free to turn down, and thereby free access is given to the sheave or sheaves in the block. By this arrangement much time is saved in hitching on the rope.

In ordinary pulley-blocks the jaws are rigid, and in order to introduce the rope the end must be passed through the block, and the entire length of the rope has to be drawn along once for every sheave. In a hoisting-tackle with three or more sheaves this operation requires much time, and particularly on blocks hung on the top of a building, or on the mast or other elevated portion of a vessel, the operation of hitching on the rope is very tedious. This difficulty is avoided by constructing the pulley-block A with one or more movable side wings, *a*. If the block contains only one sheave, one movable side wing is sufficient; but in a block containing two sheaves it is desirable to have two such movable wings, so that free access can be had to either of the sheaves. The sheave or sheaves B rotate on the center-pin, *b*, which has its bearings in the division-plate *c*, and the side wings are connected to it in such a manner that they turn up or down with it, as shown in the drawings, where one of the side wings is up and the other down. Said side wings are held in place by a locking-pin, *d*, which passes through the head of the pulley-block above the sheaves and through holes in the inner parts of the movable wings. Said pin is provided with a key or bit, *e*, which passes through a corresponding groove in each of the holes. After the pin has been entered, it is turned partially round in either direction, and thereby the bit *e* is thrown out of line with the grooves in the holes, and it is prevented from dropping off accidentally.

When it is desired to turn down one or both side wings, the locking-pin must be withdrawn, and by turning down the wings free access is obtained to either of the sheaves. The rope can be hitched on without much loss of time, and after the wings are closed and the locking-pin is put in its place the rope is held securely on the sheaves and the block is just as secure as an ordinary solid block.

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

The movable side wing or wings applied in combination with the locking-pin and with the axle of the sheave or sheaves of a pulley-block, substantially as and for the purpose set forth.

PETER LUCK.

Witnesses:
M. M. LIVINGSTON,
C. L. TOPLIFF.