

GEORGE C. BROWN.
Improvement in Pulley-Blocks.

No. 115,022.

Patented May 23, 1871.

Fig. 1.

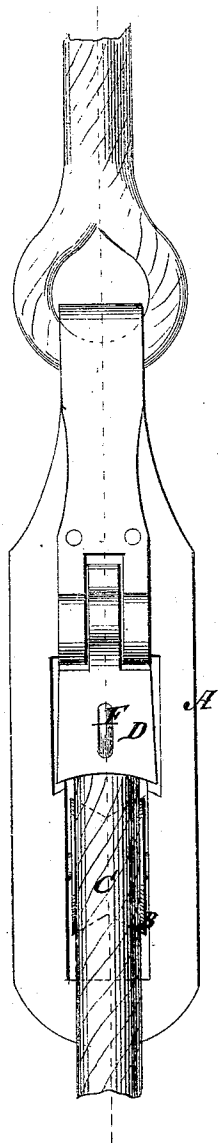
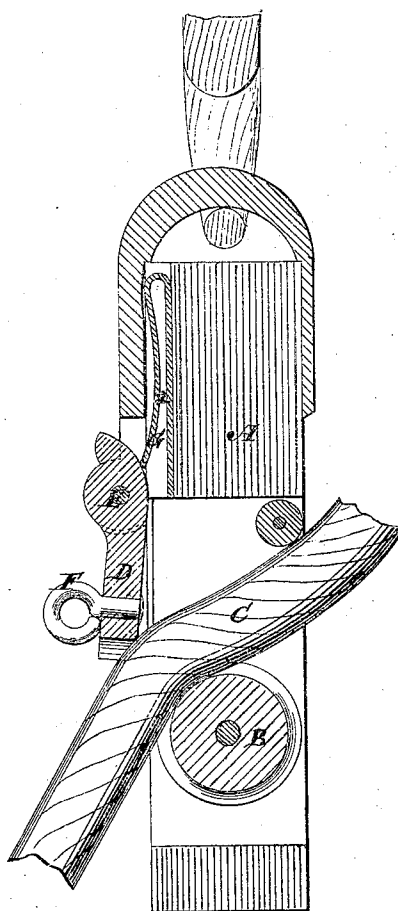


Fig. 2.



Witnesses:

E. Wolff
Wm. H. C. Smith.

Inventor:

Geo. C. Brown.

PER

Wm. H. C. Smith
Attorneys.

UNITED STATES PATENT OFFICE.

GEORGE C. BROWN, OF BROOKLYN, NEW YORK, ASSIGNOR TO EUGENE E. CORNELL, OF SAME PLACE.

IMPROVEMENT IN PULLEY-BLOCKS.

Specification forming part of Letters Patent No. 115,022, dated May 23, 1871.

To all whom it may concern:

Be it known that I, GEORGE C. BROWN, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Rope-Locking Pulley-Block; 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 drawing forming part of this specification.

My invention relates to pulley-blocks in which ropes are used; and consists in a new way of arranging certain parts to form a device for binding the rope on the pulley.

Figure 1 is a front elevation of my improved pulley-block, and Fig. 2 is a sectional elevation of the same.

Similar letters of reference indicate corresponding parts.

A is the block, and B the pulley, which may be of any ordinary or approved kind, and C is the rope. D is the pawl, which consists of a short metal plate about as wide as the slot in the block, or thereabout, and long enough to extend from the place where it is pivoted at E, so near to the pulley that it will "bite" the

rope and clamp it so firmly against the pulley as to prevent it from running back, as will be clearly seen by inspection of the drawing. F is a ring for the attachment of a chain or cord for disengaging it when the rope is to be let go. G is a spring attached to the block, and arranged to bear on the pawl above the pivot for use when required to cause the free end of the bawl to "bite" the rope; but it may be used or not, as circumstances may require.

The end of the pawl which acts on the rope is preferable concaved or notched, for increasing the bearing-surface on the rope.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The arrangement, in a pulley-block, of the spring G, pawl D, and eye F, as and for the purpose specified.

The above specification of my invention signed by me this 29th day of December, 1870.

GEORGE C. BROWN.

Witnesses:

GEO. W. MABEE,
ALEX. F. ROBERTS.