

No. 649,743.

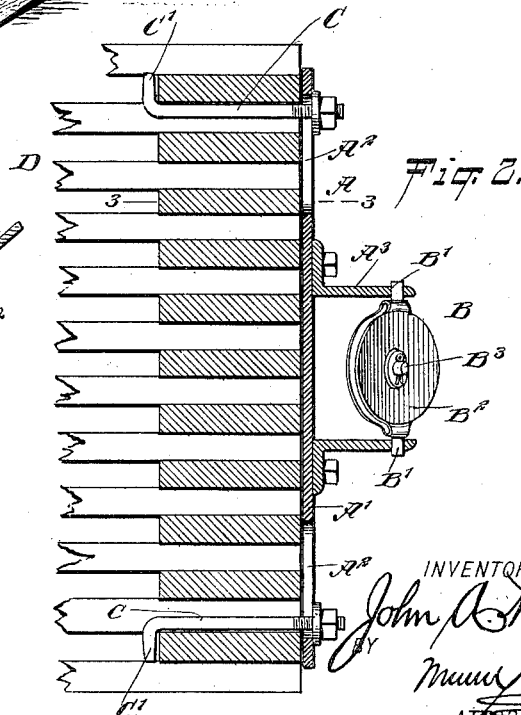
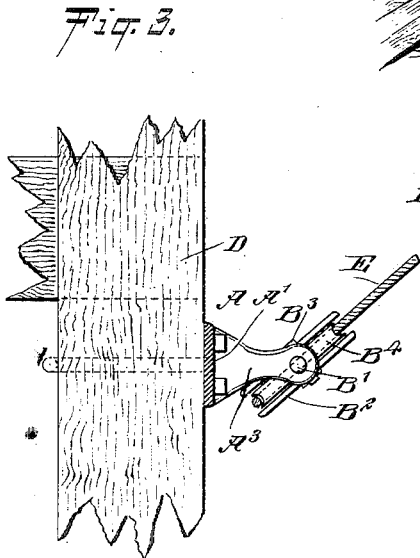
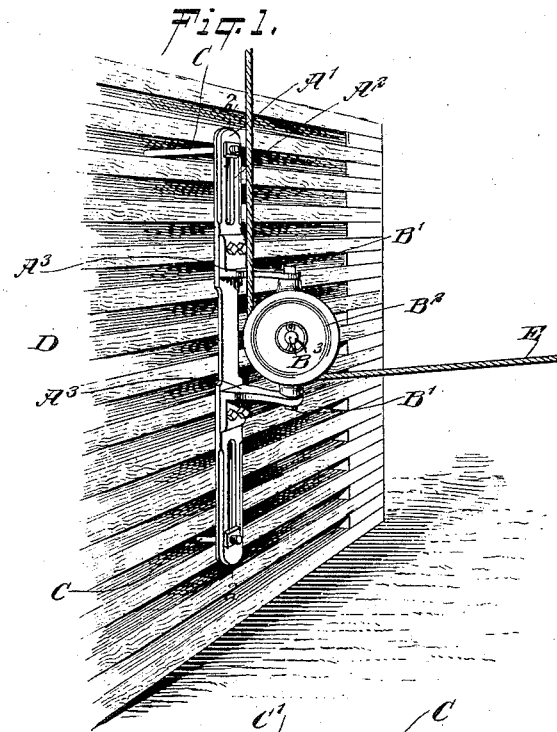
Patented May 15, 1900.

J. A. McGARRY.

PULLEY.

(Application filed Jan. 20, 1900.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN ANDREW MCGARRY, OF CHICAGO, ILLINOIS.

PULLEY.

SPECIFICATION forming part of Letters Patent No. 649,743, dated May 15, 1900.

Application filed January 20, 1900. Serial No. 2,139. (No model.)

To all whom it may concern:

Be it known that I, JOHN ANDREW MCGARRY, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Pulley, of which the following is a full, clear, and exact description.

The invention relates to devices for handling lumber—such, for instance, as shown and described in the Letters Patent of the United States No. 601,043, granted to me on March 22, 1898.

The object of the invention is to provide a new and improved pulley or guide arranged for convenient attachment to the side of a pile of lumber to guide the hoisting-rope and to hold it in proper position relatively to the actuating power on the ground and the lumber-handling device above referred to and located on the top of the pile.

The invention consists of novel features and parts and combinations of the same, as will be fully described hereinafter and then pointed out in the claim.

A practical embodiment of my invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement as applied. Fig. 2 is a sectional side elevation of the same on the line 2 2 in Fig. 1, and Fig. 3 is a sectional plan view of the same on the line 3 3 in Fig. 2.

The improved pulley or guide consists, essentially, of a bracket A and a pulley B, of which the bracket A is provided with a bracket-plate A', having elongated slots A² at its ends, each of the slots being engaged by a hook-bolt C, extending transversely between adjacent pieces in the pile of lumber D, as is plainly illustrated in Figs. 1 and 2, the inner or hook ends C' of said hook-bolt engaging the inner edges of the corresponding pieces of lumber. By this arrangement the bracket A can be readily secured to the face of a pile of lumber by passing the bolts C transversely between adjacent pieces of lumber and then turning the bolts so as to engage the hook ends C' with the inner edges of adjacent boards or pieces, as is plainly indicated in Fig. 2, the operator then screwing

the nuts on the outer ends of the bolts, so as to firmly hold the bracket in position on the face of the pile of lumber.

On the bracket-plate A', near the middle thereof, are bolted or otherwise secured the forwardly-extending bracket-arms A³, in which are mounted to turn vertically-disposed trunnions B', projecting from the top and bottom of a pulley-bearing B², carrying a pulley-shaft B³, on which a grooved pulley B⁴ is secured, preferably within the sides of said bearing B², as is plainly illustrated in the drawings.

By the arrangement described the pulley B has a swivel connection with the bracket A, so that the hoisting-rope E in passing around the pulley can readily turn the same on the vertically-disposed trunnions, according to the sidewise pull on the hoisting-rope by the horse or other power used in manipulating the hoisting-rope to pull up the lumber to the top of the pile, as more fully described and illustrated in the patent above referred to.

By the construction set forth the bracket A can be readily attached to any part of a pile of lumber and the pulley proper is at all times in the desired position on the bracket to receive the hoisting-rope and insure a proper working of the lumber-handling device referred to and described in the patent mentioned. It is further evident that by having elongated slots and attaching-bolts the entire device may be readily adjusted in a vertical direction to bring the lower or horizontal part of the hoisting-rope in proper position relatively to the animal, so that the lower portion of the rope extends as near as possible in a horizontal direction to insure a proper pulling by the animal on the rope when it is desired to hoist a load of lumber to the top of a pile. It will also be readily seen that the device can be quickly detached from its position on the pile or removed to another part thereof or to another pile and be secured in position in the manner described.

Although the pulley is described and shown as applied to lumber-handling devices, it is evident that it may be used for other purposes.

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

A pulley for a lumber-handling or other device, comprising a bracket-plate having elongated slots, hook-bolts engaging the plate at said slots, the inner ends of the bolts being
5 formed with hooks to hook upon the inner edge of a piece of lumber in a lumber-pile, bracket-arms secured to said plate and projecting from the front thereof, one above the other, and a grooved pulley journaled in a
10 pulley-bearing having trunnions mounted to

turn in said bracket-arms, substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN ANDREW MCGARRY.

Witnesses:

PATRICK GUINANE,

FRIEDRICH LUDWIG BAHR.