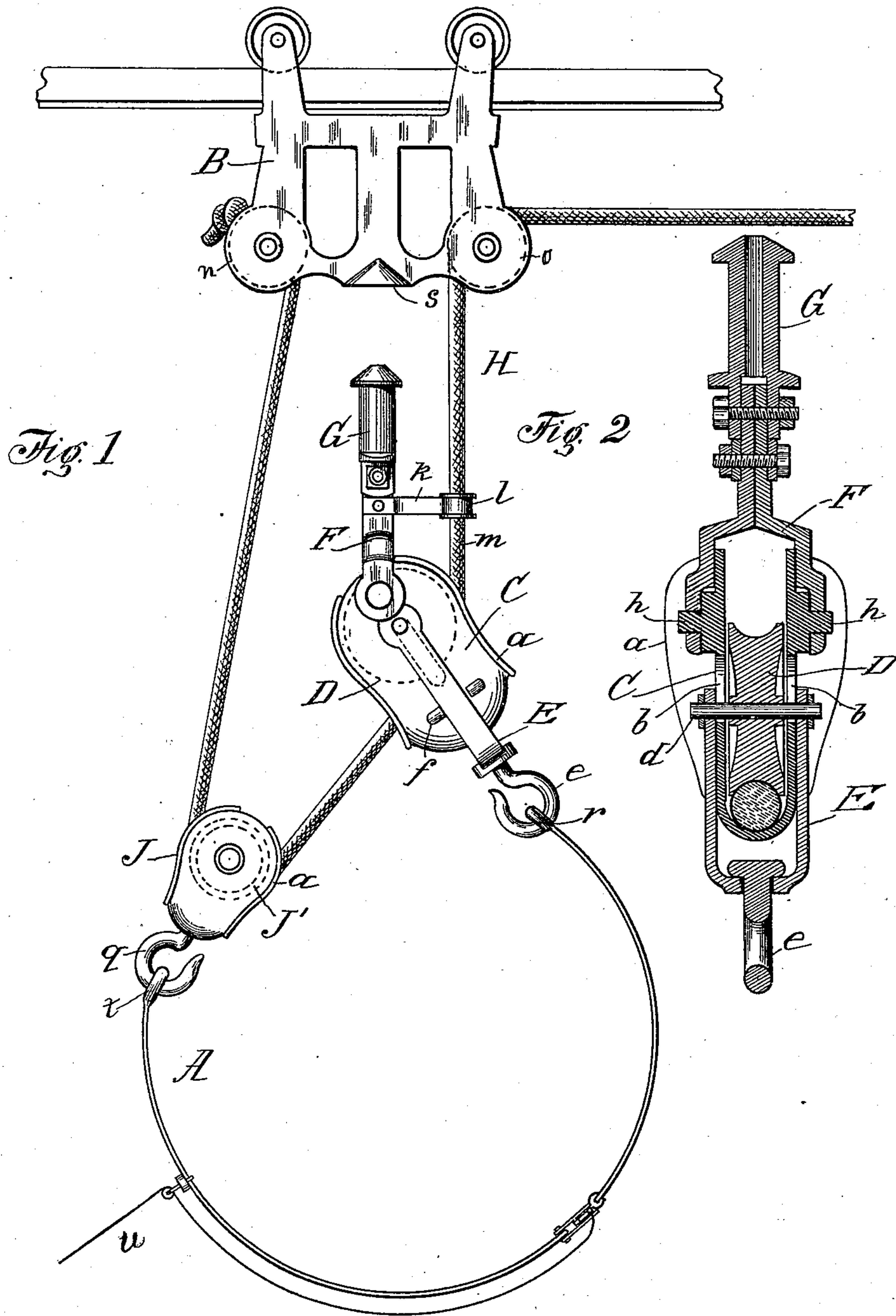


(No Model.)

L. L. HOLSER.
HAY SLING ATTACHMENT.

No. 549,362.

Patented Nov. 5, 1895.



WITNESSES
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UNITED STATES PATENT OFFICE.

LEVI L. HOLSER, OF ASHLAND, OHIO.

HAY-SLING ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 549,362, dated November 5, 1895.

Application filed December 28, 1894. Serial No. 533,159. (No model.)

To all whom it may concern:

Be it known that I, LEVI L. HOLSER, a citizen of the United States, and a resident of Ashland, county of Ashland, State of Ohio, have invented a new and useful Improvement in Hay-Sling Attachments, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to improvements in hay-sling attachments; and it consists of certain features of construction and combination of parts, as will be hereinafter described and claimed.

Figure 1 of the accompanying drawings is a side view illustrating my invention, and Fig. 2 is a vertical section.

The sling A and trolley B may be of any of the well-known and approved forms, and will need no further description, and will only be referred to as in conjunction or combination with my invention, which I will now describe.

C designates a pulley-block having flanges *a* projecting at right angles with the side of the casing and conforming with the edge of the casing, as shown. In the sides of the casing are provided elongated apertures or slots *b*, as shown in Fig. 2 and by the dotted lines in Fig. 1. A sheave wheel or pulley D is placed in the casing and a clevis E over the casing and a pin *d* passed through the clevis, the apertures *b*, and the pulley D, as shown in Fig. 2. At the lower end of the clevis E is provided a swivel-hook *e*, and at the lower end portion of the casing are provided studs *f* at each side of the clevis to hold it in alignment with a line drawn vertically through the center of the block, or substantially so.

At the upper end portion of the casing C are provided studs, as *h*, that project out from the sides thereof, by which the block is pivotally supported in the upper clevis F.

At the upper end of the clevis F is secured a registering head G, from which is projected an arm *k*, on the outer end of which is provided a loop *l*, that embraces the rope H, as shown in Fig. 1.

A snatch-block, as J, is placed on the rope H, as shown, said block having flanges *a'* similar to those shown on the casing of block C.

The rope H is passed over the sheave-wheel *n* in the trolley, and secured by the knot, as shown. The other or running end of the rope is passed through the blocks J and C and the loop *l*, as shown, and up and over the sheave *o* in the trolley.

In operation the sling is placed in the load in the usual way. Hook *e* is drawn down and hooked into the ring *r* of the sling, and hook *q* of block J is drawn to the other end of the load and hooked into the ring *t* at the other end of the sling. The horses are then started to draw up the sling with its load. The first movement is to draw the two blocks J and C together, the flanges *a* and *a'* resting one against the other. They are then drawn up by the rope, the pulleys D and J' riding on the rope, the arm *k* guiding the registering-head into the socket *s*, at which instant the slack of the rope H will allow the load to draw the pulley D in casing C down on the rope and down in the casing. The rope resting on the bottom of the casing in will lock the rope in the block and hold the load suspended on the rope. The amount of power required to move the trolley on the track being less than that required to raise the load, the rope will remain locked in the block until the trolley has reached its destination and the load discharged by a pull on the line *u* to open the sling and let the load drop.

If preferred, the block J and sling A may be removed and any of the well-known forms of hay-forks substituted, as my invention will operate equally well with either form of hay grasping or holding device.

Having thus fully described the nature and the object of my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination with a trolley and sling and hoisting rope of a pulley block comprising a casing C, having flanges as *a*, about the edges thereof, slots *b* in sides thereof, a pulley D, a clevis E, a pulley-and-clevis-supporting pin *d*, adapted to slide in the slots *b*, to carry the pulley up and down in the case, the arm *k*, loop *l*, and register head G, attached to and supported from the casing by the clevis F, substantially as described and for the purpose set forth.

2. The combination with a trolley, a hoist-

ing rope, and a load grasping device of a pulley block comprising a casing, having central vertical slots in the sides thereof, a clevis to support the block, a clevis to support the
5 load grasping device, a pin to connect the last mentioned clevis, with the pulley in the case C, adapted to rise and fall in the slots, in the case, to allow the pulley to drop onto the hoisting rope, to lock the rope against re-

verse movement as described, and for the purpose set forth.

In testimony whereof I have hereunto set my hand this 22d day of December, A. D. 1894.

LEVI L. HOLSER.

Witnesses:

W. T. DEVOR,
FRANK SNADER.