No. 692,833. Patented Feb. 11, 1902.

T. A. CROWNER.

DEVICE FOR THROWING HEAVY BELTS UPON PULLEYS.

(Application filed July 8, 1901.)

(No Model.)

Fig. 1.

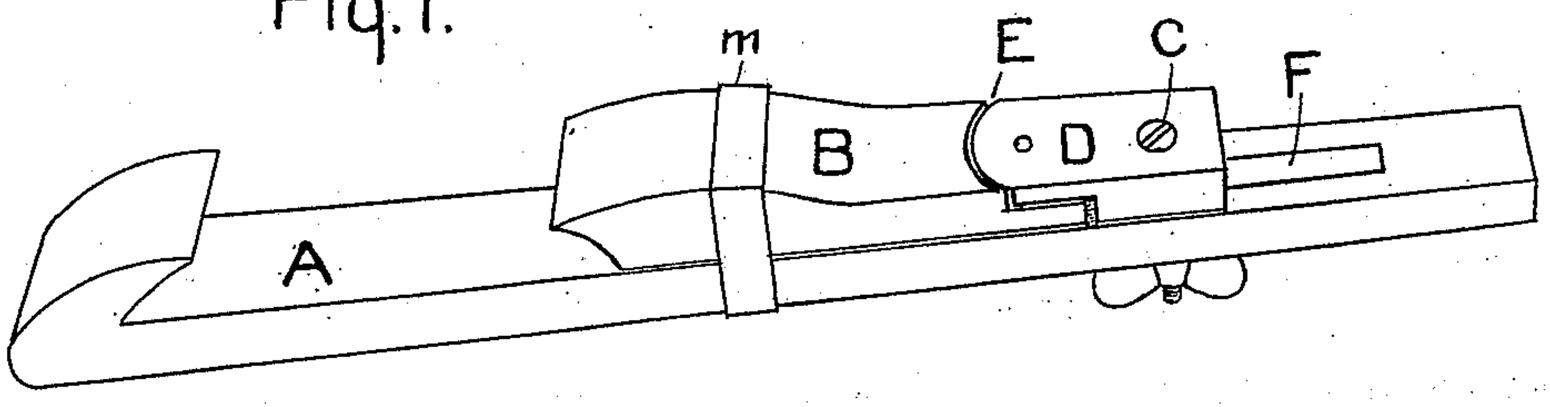


Fig. 4

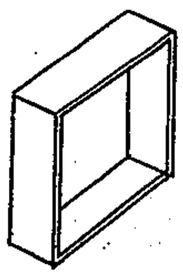


Fig. 2

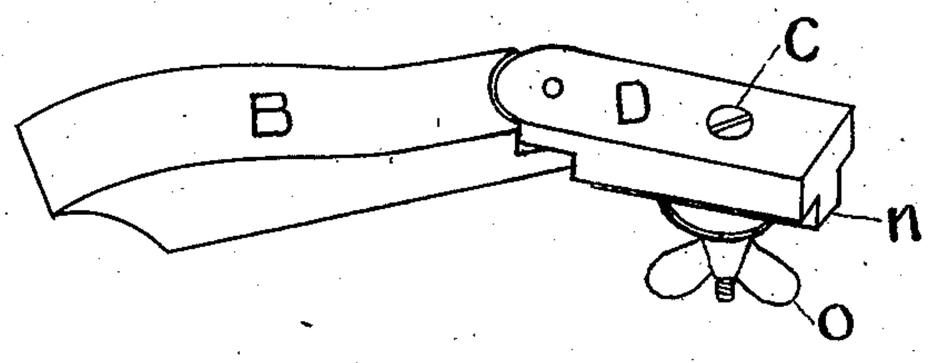
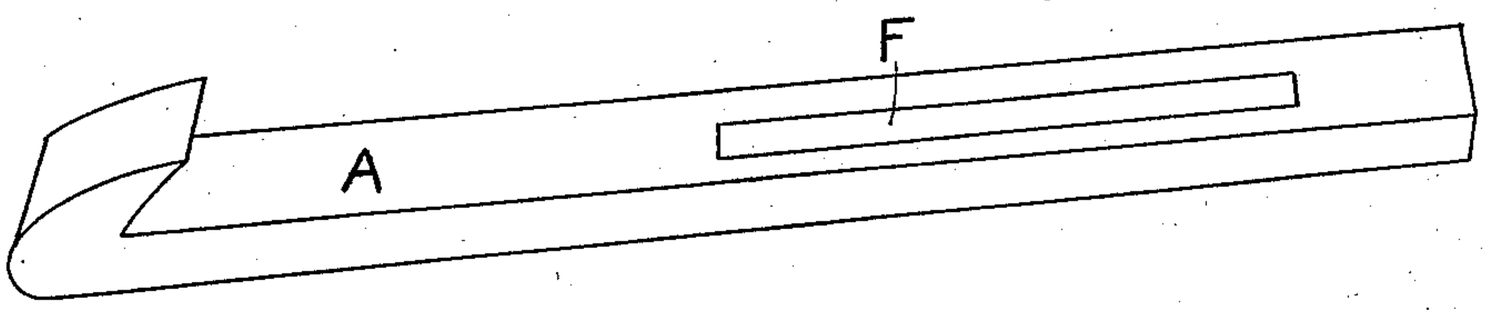


Fig. 3



Witnesses.

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UNITED STATES PATENT OFFICE.

TRUMAN A. CROWNER, OF WILNA, NEW YORK.

DEVICE FOR THROWING HEAVY BELTS UPON PULLEYS.

SPECIFICATION forming part of Letters Patent No. 692,833, dated February 11, 1902.

Application filed July 8, 1901. Serial No. 67,470. (No model.)

To all whom it may concern:

Be it known that I, TRUMAN A. CROWNER, a citizen of the United States, residing at Wilna, in the county of Jefferson and State of New York, have invented a new and useful Device for Adjusting Heavy Belts upon Pulleys, of which the following is a specification.

My invention relates to a safe and convenient device for throwing heavy belts upon pulleys by a single operator without crimping or splitting the belt through the center. I attain this object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a view in perspective of the entire device. Fig. 2 shows in perspective that portion of the device known as an "adjustable hinged clamp." Fig. 3 shows in perspective the main clamping-bar over which the belt is thrown and which is clamped to the rim of the pulley by the clamp shown in Fig. 2. Fig. 4 shows the iron band by means of which the clamp is held in place.

Similar letters refer to similar parts throughout the several views.

A is an iron or steel clamping-bar, varying in length according to the size of the belt and pulley, one end being recurved, so as to form a hook to engage the rim of the pulley.

B and D are parts of a clamp, hinged at E and secured to the clamping-bar by means of the thumb-screw C, passing through the slot F in the said bar, allowing that portion of the clamp D to be secured at different points on the lever A and so adjusted to different-sized rims. D has a boss *n* on its under side, which moves in the slot F in the lever A and serves to guide the clamp as it moves on the bar.

When the part D is clamped to the bar by the thumb-screw C, the hinge at E allows the clamping-jaw B to be moved upon the pivot from side to side. The clamping-bar is attached to the rim of the pulley by pushing the movable portion of the clamp B to one side, hooking the end of the bar A over one edge of the rim, and shoving the part B of the clamp over the other edge of the rim and securing it in place by shoving the band *m* into place, as shown in Fig. 1. The jaw B is made slightly thicker in the middle to cause the band *m* to fit tight and so hold the same secure in its place. The belt is then thrown over the bar and the wheel revolved, causing the belt to be thrown into place on the pulley, when the belt-adjuster may be removed by sliding the band *m* back toward D, past the hinge E, and turning the jaw B to one side on its pivot.

What I claim as my invention is—

1. The improved belt-adjuster, herein set forth, the same comprising the clamping-bar, provided with a permanent terminal hook and an independent clamping-jaw adjustably mounted upon said bar, and having means for lateral swinging thereupon, whereby the belt-adjuster may be quickly engaged with and disengaged from a belt-pulley of any width as set forth.

2. The improved belt-adjuster herein set forth, the same comprising the clamping-bar A, provided with a permanent terminal hook, the independent clamping-jaw B, vertically pivoted to the block D, said block being mounted to slide upon the clamping-bar and provided with means for locking said block to said bar at any predetermined point, as set forth.

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

TRUMAN A. CROWNER.

Witnesses:

PETER W. LYMAN,

DANA AUSTIN.