

(No Model.)

J. T. BOND.

DEVICE FOR LOADING LOGS ON WAGONS.

No. 329,704.

Patented Nov. 3, 1885.

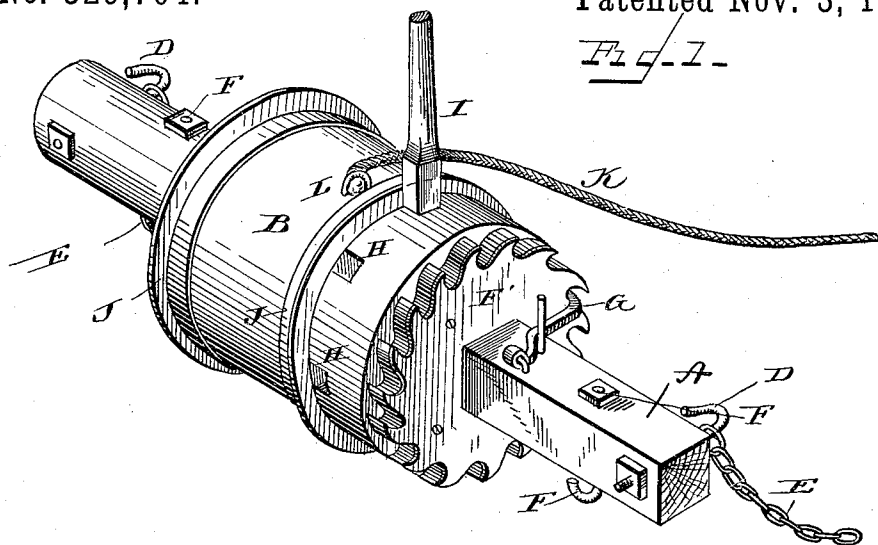


Fig. 1.

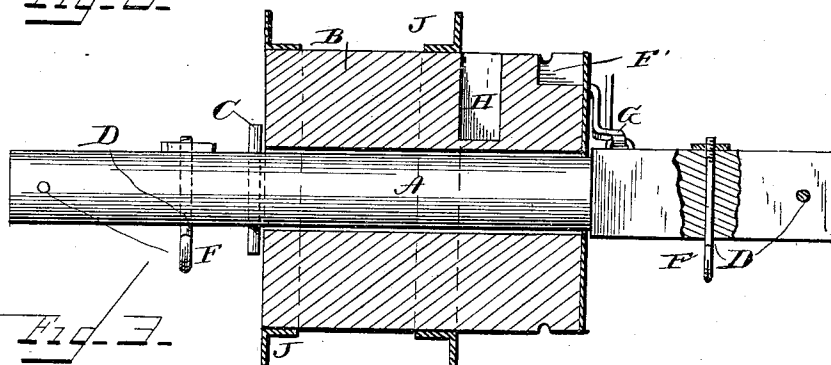
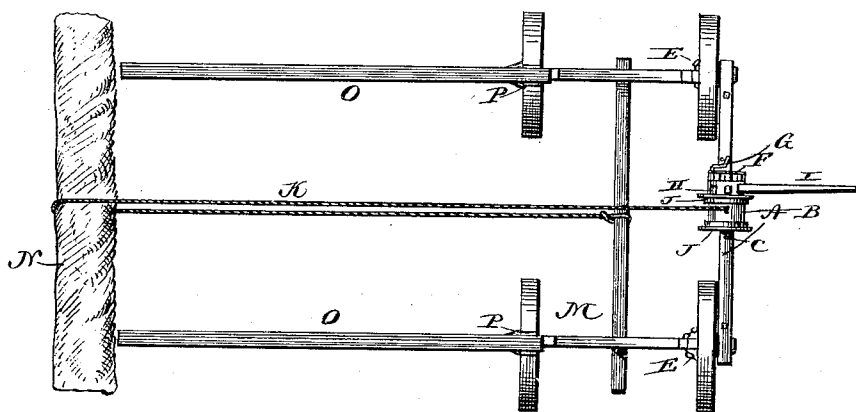


Fig. 2.



WITNESSES

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INVENTOR

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# UNITED STATES PATENT OFFICE.

JOHN THOMAS BOND, OF LITTLE LOT, TENNESSEE.

## DEVICE FOR LOADING LOGS ON WAGONS.

SPECIFICATION forming part of Letters Patent No. 329,704, dated November 3, 1885.

Application filed August 31, 1885. Serial No. 175,798. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN T. BOND, of Little Lot, in the county of Hickman and State of Tennessee, have invented certain new and useful Improvements in Devices for Loading Logs on Wagons; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved log-loading device. Fig. 2 is a longitudinal vertical sectional view of the same, and Fig. 3 is a plan view showing the device in position for operation.

The same letters refer to the same parts in all the figures.

This invention relates to devices for rolling or loading logs upon wagons; and it has for its object to provide a device of this class which may be easily and conveniently manipulated, and which shall possess superior advantages in point of simplicity, durability, and general efficiency.

With these ends in view it consists in the improved construction and arrangement of parts, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, A designates a heavy and strong beam, which is rounded for the greater portion of its length, as shown, so as to form a shaft, on which is journaled a revolving drum, B, which is held in place by means of a transverse pin, C. The beam A is provided near its ends with hooks or staples D D, to which are attached chains E E. The said beam A is also provided, near the ends of the drum, with downwardly-extending hooks F, to which the free ends of the said chains may be made fast, as will be hereinafter set forth. The drum B is provided at one end with a ratchet-wheel, F, engaging a dog or pawl, G, of suitable construction, which is hinged or pivoted to the shaft A; and the said drum is provided with a circumferential series of mortises or recesses, H H, adapted to receive the end of an operating-lever, I,

whereby the said drum may be turned or manipulated. The drum is also provided with two or more metallic hoops or bands, J J, which perform the double function of strengthening the said drum and preventing it from splitting, and of confining and guiding the rope or chain K, which is wound upon the drum, to which one of its ends is permanently attached in any suitable manner, as may be seen at L.

In operation, the lumber-wagon, which is shown at M in Fig. 3, is arranged parallel to and at a suitable distance from the log N, which is to be loaded thereon, and skids or beams are then arranged, as shown at O O, with their ends resting in stirrups P P, which are attached to the upper sides of the rims of the wagon-wheels. The end of the rope or chain K is then passed over the wagon and over the log and around the log and attached to the coupling-pole of the wagon, as will be seen in Fig. 3. The drum is then revolved by means of the operating-lever, thus winding the rope or chain K thereon and rolling the log up the skids and onto the wagon. The dog or pawl G, engaging the ratchets upon the end of the drum, will prevent the latter from turning in a reverse direction when the operating-lever is shifted from one mortise into another.

During operation the device will be arranged with the ends of the beam or shaft A resting on the hubs of the wheels of the lumber-wagon on the opposite side of the log, and it is retained securely in position by passing the chains E E around the hubs and spokes, and attaching their free ends to the hooks F.

When desired, more than one rope K may be used; but this will be left to the option of the operator.

The work is light and simple, and may be easily performed by one man.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In a device for rolling logs onto wagons, the combination of a beam or shaft, a drum journaled on the same, and provided with notches or mortises to receive an operating-le-

ver, and having a ratchet-wheel at one end, a  
dog or pawl hinged to the beam or shaft and  
engaging the said ratchet-wheel, the ropes or  
chains having one end attached to the said  
5 drum, hooks or staples at the ends of the  
beam or shaft, chains attached to the same,  
and hooks extending downwardly from the  
said beam or shaft near the ends of the drum,  
all arranged and operating substantially as  
10 and for the purpose herein set forth.

2. In a device for rolling logs onto wagons,  
the combination, with a suitable beam or shaft,  
of a drum arranged to revolve upon the same,

and having metallic flanged hoops or bands  
for strengthening the same and guiding and 15  
confining the rope wound upon said drum,  
and a pawl and ratchet for checking reverse  
motion of the drum, substantially as and for  
the purpose herein shown and specified.

In testimony that I claim the foregoing as 20  
my own I have hereunto affixed my signature  
in presence of two witnesses.

JOHN THOMAS BOND.

Witnesses:

JNO. T. WALKER,  
ALLEN THOMPSON.