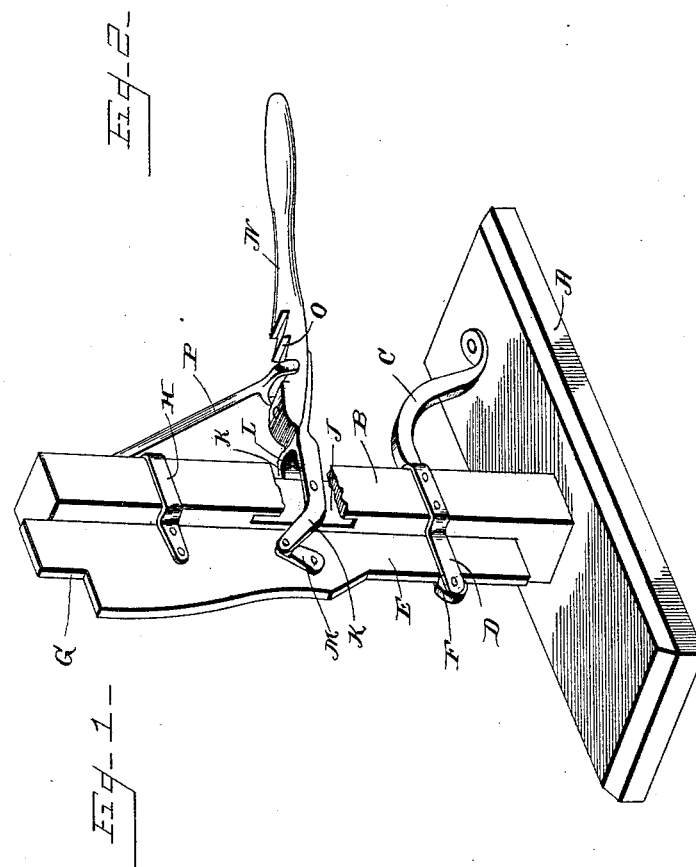
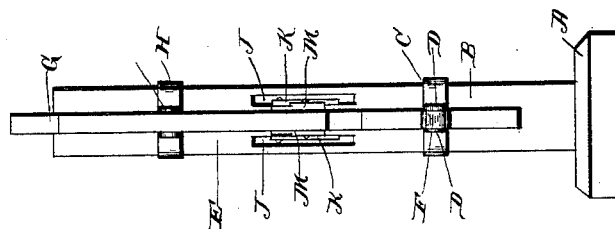


J. BURNE.  
WAGON JACK.

Patented Jan. 7, 1890.



Witnesses.  
Geo. C. Frech.

R. V. Bishop.

Inventor  
John Burne.

By his Attorneys

Ch. Anckerley

# UNITED STATES PATENT OFFICE.

JOHN BURNE, OF PORTLAND, OHIO.

## WAGON-JACK.

SPECIFICATION forming part of Letters Patent No. 419,031, dated January 7, 1890.

Application filed May 11, 1889. Serial No. 310,402. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN BURNE, a citizen of the United States, residing at Portland, in the county of Meigs and State of Ohio, have  
5 invented a new and useful Wagon-Jack, of which the following is a specification.

My invention relates to improvements in wagon-jacks; and it consists in certain novel features, hereinafter described and claimed.

10 In the accompanying drawings, Figure 1 is a perspective view of my improved jack, and Fig. 2 is a front elevation of the same.

In carrying out my invention I employ a base A, on which a standard B is erected, and  
15 the said standard is suitably braced by means of the curved metallic bar C, which has its lower end secured on the base A and has its upper end divided, the branches passing on opposite sides of the standard and being secured thereto. The branches of the said divided end of the brace are extended forward from the standard, forming the arms D D,  
20 between which the lifting-bar E moves. Between the front ends of these arms D D, I journal a roller F, which bears against the front edge of the lifting-bar and serves to prevent the same swinging forward from the standard. The lifting-bar E may be of any desired dimensions, and is provided at its upper end  
25 with a notch G, which is adapted to engage the wagon-axle, as will be readily understood. Near the upper end of the lifting-bar I secure the retaining-loop H, which passes around the standard and serves to hold the upper  
30 end of the lifting-bar to the standard and to guide the same in its movements.

The standard is provided at about its center with the longitudinal slots J J, through which the arms K K of the casting L are inserted, and in which they are pivoted. The  
40 front ends of these arms are connected by the links M with the lifting-bar, and the rear end of the casting is secured to the end of the operating-lever N. The operating-lever is provided in its upper side with a series of transverse ratchet-teeth O, which are engaged by a gravity-pawl P, loosely hung at its upper end bearing on the standard and having its lower  
45 end bearing on the lever.

In practice the notch at the upper end of 50 the lifting-bar is caused to engage the wagon-axle, and the operating-lever is then depressed, thereby raising the front ends of the arms K of the casting L and lifting the lifting-bar, so as to elevate the axle. As the operating-lever is depressed, the free end of 55 the pawl will ride downward over the ratchet-teeth, so as to engage the same and prevent the accidental lifting of the lever and consequent lowering of the weight.

60 My device is composed of very few parts, which are simple in their construction and are compactly arranged, so that the device will be strong and durable and can be manufactured at a slight cost. The roller F serves 65 effectually to hold the lower end of the lifting-bar toward the standard and reduces the wear on the lifting-bar to a minimum, while the retaining-loop H and the arms D cause the lifting-bar to move in a true vertical 70 plane and prevent lateral swaying of the same. By reason of the slotted construction of the standard and the pivoting of the arms of the casting L within the slots, the said arms are effectually protected against injury; 75 while at the same time the fulcrum of the lever is brought near the lifting-bar, so that the device can be easily operated.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, 80 is—

The combination of the standard having the longitudinal slots J J, the lifting-bar mounted on the standard, the operating-lever 85 having the ratchet-teeth, the casting secured to the operating-lever and having the arms K K inserted through and pivoted in the slots J J, the links connecting the said arms with the lifting-bar, and the pawl loosely hung on the standard and engaging the lever, 90 as set forth.

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

JOHN BURNE.

Witnesses:

G. W. TAYLOR,  
R. K. PRIVIER.