

No. 645,831.

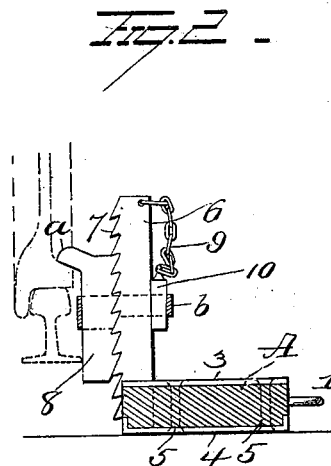
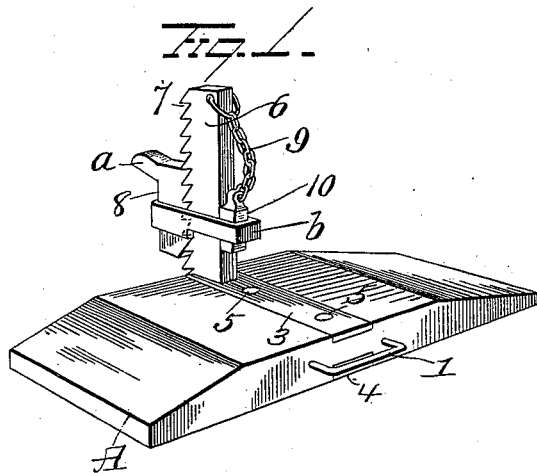
Patented Mar. 20, 1900.

J. F. REED, W. E. BLOTCHER & W. G. O'ROURKE.

JACK BLOCK.

(Application filed Apr. 22, 1899.)

(No Model.)



WITNESSES
E. J. Nottingham
G. F. Downing.

INVENTORS
J. F. Reed,
W. E. Blotcher &
W. G. O'Rourke
By H. A. Seymour, Attorney

UNITED STATES PATENT OFFICE.

JAMES FRANK REED, WILLIAM E. BLOTCHER, AND WILFRED GREY O'ROURKE, OF LOUISVILLE, KENTUCKY, ASSIGNORS OF ONE-FOURTH TO GEORGE DAVID RICE AIKIN, OF SAME PLACE.

JACK-BLOCK.

SPECIFICATION forming part of Letters Patent No. 645,831, dated March 20, 1900.

Application filed April 22, 1899. Serial No. 714,104. (No model.)

To all whom it may concern:

Be it known that we, JAMES FRANK REED, WILLIAM E. BLOTCHER, and WILFRED GREY O'ROURKE, residents of Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Jack-Blocks; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to an improvement in jack-blocks, and more particularly to a device for holding a car-wheel tight upon the track when the bearing is to be lifted from the axle, the objects of the invention being to provide a device of the above character which will be extremely simple in construction, cheap to manufacture, readily adjustable, and most effectual when in use.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective, illustrating our improvements. Fig. 2 is a sectional view.

A represents a block of wood or other (preferably light) material, and 1 a suitable handhold secured to one side thereof for conveniently handling the block. A metal plate 3 is disposed in a recess or groove in the top of the block A, and another plate 4 is disposed in a recess or groove in the bottom of the block. The plates 3 and 4 are disposed parallel with each other and are secured together and to the block A by means of suitable rivets 5, passing through the plates and block. An upright post 6 is secured to the plates 3 and 4 and is provided on its outer face with teeth 7, adapted to engage and interlock with the teeth on an adjustable arm 8, having a lug *a* on its upper end to engage the flange of a car-wheel. The arm 8 is provided with a horizontally-disposed loop or bail *b*, adapted

to surround the upright 6 and of sufficient size to permit the arm 8 to be moved up and down. The upright post 6 is provided near its upper inner end with a hole or opening for the reception of a link of a chain 9, to the lower end of which is secured a suitable wedge-shaped key 10, adapted to be inserted between the inner edge of the upright post 6 and the loop or bail 9 to hold the teeth on the upright and movable arm locked securely together and prevent slipping of said arm.

When it is desired to lift a journal-box from off the axle, our improved block A is placed in position beside the track and the arm 8 adjusted to lock the wheel tight upon the track, as clearly shown in Fig. 1. Any suitable jack is then placed on the block A and the journal-box lifted from the end of the axle.

Various slight changes might be resorted to in the general form and arrangement of the several parts described without departing from the spirit and scope of our invention, and hence we would have it understood that we do not limit ourselves to the precise details set forth, but consider ourselves at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of our invention.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination with a base adapted to support a lifting-jack, of a toothed standard secured at one edge of said base, a bail loosely embracing said standard, an arm carried by said bail and having a series of teeth to engage the teeth of the standard and a shoulder to engage the rim of a car-wheel and a key disposed within said bail and between the cross-bar thereof and the rear face of the standard to retain all the teeth on said arm in mesh with a corresponding number of teeth on the standard.

2. The combination with a base adapted to support a lifting-jack, of a toothed standard secured at one edge of said base, a bail loosely

embracing said standard and carrying an arm provided with teeth to engage the teeth of the standard said arm adapted to engage the rim of a car-wheel and a removable key having a
5 flexible connection with the standard and entering the bail between the cross-bar and the rear face of the standard to retain the arm locked to the standard.

In testimony whereof we have signed this

specification in the presence of two subscribing witnesses.

J. FRANK REED.
W. E. BLOTCHER.
W. GREY O'ROURKE.

Witnesses:

A. JACOBSON,
ED. M. LOUIS.