

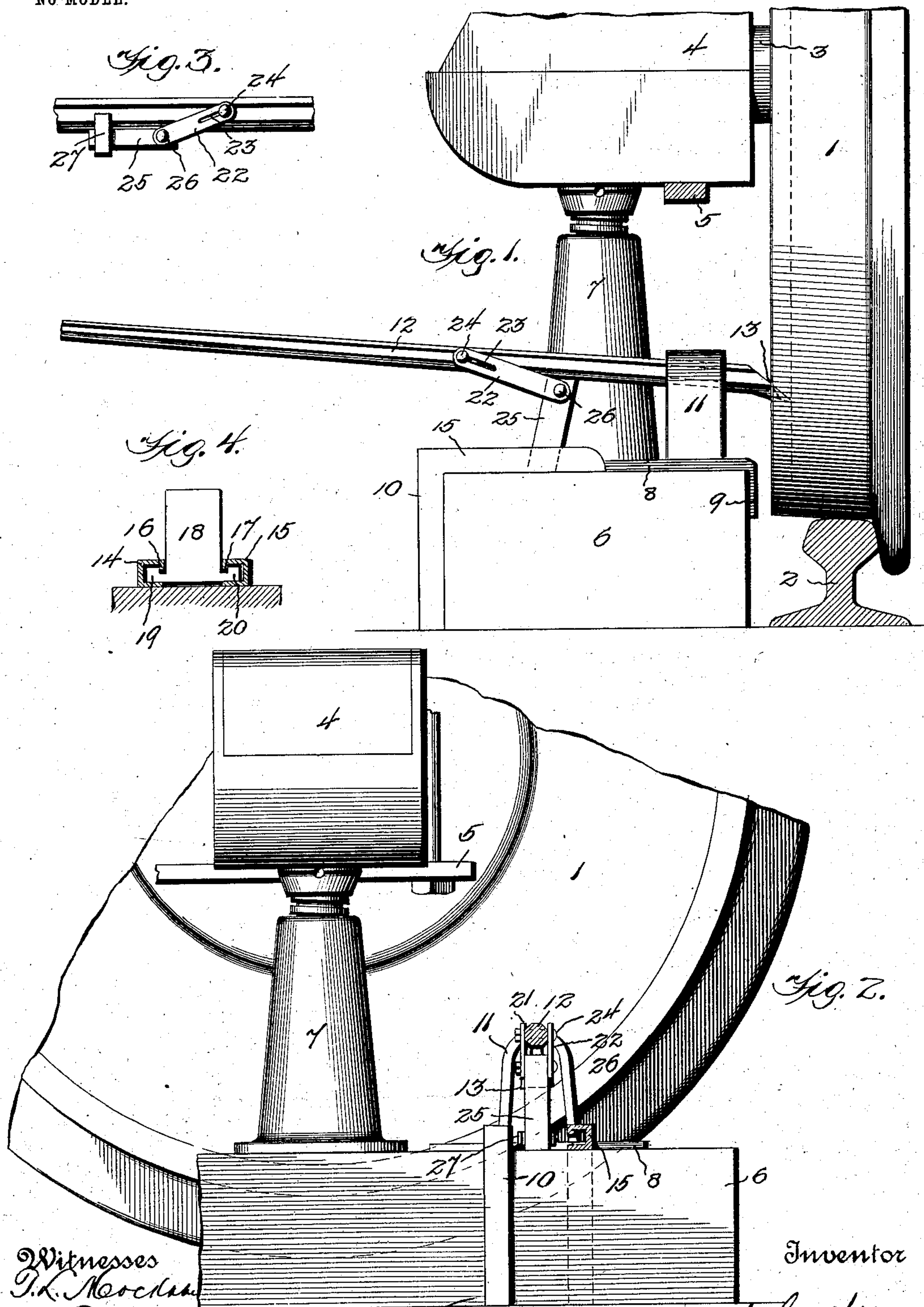
No. 728,365.

PATENTED MAY 19, 1903.

A. L. CASEBEER.
WHEEL CLAMP FOR RAILWAY JACKS.

APPLICATION FILED AUG. 30, 1902.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

ADAM LEANDER CASEBEER, OF SEDALIA, MISSOURI.

WHEEL-CLAMP FOR RAILWAY-JACKS.

SPECIFICATION forming part of Letters Patent No. 728,365, dated May 19, 1903.

Application filed August 30, 1902. Serial No. 121,659. (No model.)

To all whom it may concern:

Be it known that I, ADAM LEANDER CASEBEER, a citizen of the United States, residing at Sedalia, in the county of Pettis and State of Missouri, have invented certain new and useful Improvements in Wheel-Clamps for Railway-Jacks; and I 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.

My invention relates to improvements in appliances for facilitating the removal and renewal of the journal-brasses of railway-car trucks and possesses certain features of novelty and advantage as will hereinafter more fully appear.

In order that my said invention may be more fully understood, reference will be had to the accompanying drawings, wherein—

Figure 1 is a view in side elevation, showing the appliance in operative position. Fig. 2 is an elevation showing the position of the appliance relatively to the wheel of the car-truck. Fig. 3 is a detail fragmentary view showing the position of the locking device when not in use, and Fig. 4 is a view showing in side elevation an alternative form of locking device.

Referring to the drawings, wherein similar parts are designated by the same figures of reference throughout, 1 represents one of the car-wheels resting upon the rail 2, the axle 3 of this wheel supporting the journal-box 4, embraced by the truck side frame 5.

6 is a block adapted to rest upon the ties directly beneath the axle-box 4, and upon this block 6, directly beneath the axle-box 4, is placed an ordinary lifting-jack 7. Immediately adjacent this jack 7 upon the block 6 is located the base-plate 8, securely fastened down upon the block 6 in any suitable manner and provided at each end with the downwardly-extending portion 9 upon the inner side of the block and the paired parallel downwardly-extending arms 10 10 upon the front of the block. Upon the rear portion of this base-plate 8 is provided the vertically-disposed yoke 11, through which is adapted to pass the bar 12, provided with a broad and pointed inner end 13. The forward portion of this base-plate 8 divides into a pair of par-

allel arms 14 15, preferably rectangular in cross-section and hollow, the inner sides of these hollow arms being open and provided with a retaining-ridge 16 17. The depending arms 10 10 are also hollow and of the same cross-section as the arms 14 15, forming channels. Between these channeled arms 14 15 is located a support 18, having laterally-disposed lugs 19 20, adapted to fit into the hollow portion of the channeled arms 14 15, the ridges 16 17 fitting into recesses formed in said lugs to retain said support between said arms. This support 18 is movable horizontally between the arms 14 15 and stands vertically beneath the bar 12 when in operative position, but when not in use may be moved around and depend from the depending arms 10 10. Instead of using this support 18 a locking device, as shown in Figs. 1, 2, and 3, may be employed. This locking device consists of a pair of spaced links 21 22, provided at their upper ends with the slots 23, into which fits the bolt 24, pivotally securing said links to the lever or bar 12. Between the lower ends of these links 21 22 is suspended the support 25, pivotally secured to said links by the bolt 26. This support 25 is adapted to rest upon the block 6 between the arms 14 15 of the base-plate 8, and is provided upon its lower end with the springs 27, one upon each side, by means of which the device may be folded up against the bar 12 as shown in Fig. 3, the springs 27 passing upon each side of the bar 12 to retain the parts in such position while not in use.

The method of using the appliance, as hereinbefore described, is as follows: The block 6, carrying the appliance, having been placed upon the ties immediately beside the rail 2, the lifting-jack 7 is placed upon the block 6 directly beneath the center of the axle-box 4 and extended until the head of the jack bears beneath the box 4. The bar 12 is now passed through the yoke 11 until the pointed end 13 thereof bears against the recessed surface of the wheel formed in the side of the wheel behind the tire. The free end of the bar 12 is now raised until the wheel is firmly held down upon the rail. If the support 18 (shown in Fig. 4) is employed, this support will now be brought up in such a position as to rest vertically beneath the bar 12, thereby holding

said bar firmly elevated. If the locking device shown in Figs. 1 to 3 is employed, the device will occupy such a position that as the bar 12 is raised the links 21 22 draw the support 25 up into a vertical position beneath the bar 12 until the bar has been elevated to the proper height, when the support 25 will occupy substantially a vertical position. The box 4 may now be raised by the jack 7 until sufficient clearance is made between the said box and the axle 3 as to allow the renewal of the journal-brass. After the journal-brass has been renewed the jack 7 is lowered until the brass seats itself upon the axle, when the bar 12 will be automatically released.

Should it be desired to use the bar 12 for any other purpose, the locking device may be swung up against said bar, the springs 27, oppositely disposed upon the support 25, engaging upon each side of the bar 12, thereby retaining said locking device up out of operative position.

While I have shown my invention as embodied in the forms herein shown, it will of course be understood that I do not so limit myself, as many modifications and changes might be made in my said invention, which changes and modifications could be made without departing from the spirit thereof.

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

1. In a device of the character described, the combination with a base and lifting-jack carried thereby; of a yoke secured to said base, a lever adapted to pass through said yoke and engage the rim of a wheel to prevent the same from raising, and means supported upon said base adapted to retain said lever elevated.

2. In a device of the character described, the combination with a base and lifting-jack carried thereby; of a yoke secured to said base, a lever adapted to pass through said yoke and engage the rim of a wheel to prevent the same from raising, and means carried by said lever to retain said lever elevated.

3. In a device of the character described, the combination with a base-block, adapted to support a jack, a base-plate securely fas-

tened upon said block, and a yoke formed of said base-plate; of a bar or lever adapted to pass through said yoke and engage the rim of a wheel, and means for retaining said bar in an elevated position.

4. In a device of the character described, the combination with a base-block adapted to support a jack, a base-plate securely fastened upon said block, and a yoke formed of said base-plate; of a bar or lever adapted to pass through said yoke and engage the rim of a wheel, and a supporting-block beneath said bar for retaining said bar elevated.

5. In a device of the character described, the combination with a base-block adapted to support a jack, a base-plate securely fastened upon said block, and a yoke formed of said base-plate; of a bar or lever adapted to pass through said yoke and engage the rim of a wheel, a supporting-block and links carried by said bar and connected to said supporting-block.

6. In a device of the character described, the combination with a base-block adapted to support a jack, a base-plate securely fastened upon said block, and a yoke formed of said base-plate; of a bar or lever adapted to pass through said yoke and engage the rim of a wheel, a supporting-block, a pair of springs carried by said supporting-block adapted to engage upon each side of said bar, and links carried by said bar and connected to said supporting-block.

7. In a device of the character described, the combination with a base-block, adapted to support a jack, and a base-plate having a pair of channeled arms extending in one direction, and a vertically-disposed yoke at the rear portion, secured down upon said block; of a bar having a pointed end extending through said yoke and adapted to engage the rim of a wheel, and a supporting-block movable longitudinally along said channeled arms and adapted to retain said bar in an elevated position.

In testimony whereof I affix my signature in presence of two witnesses.

ADAM LEANDER CASEBEER.

Witnesses:

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