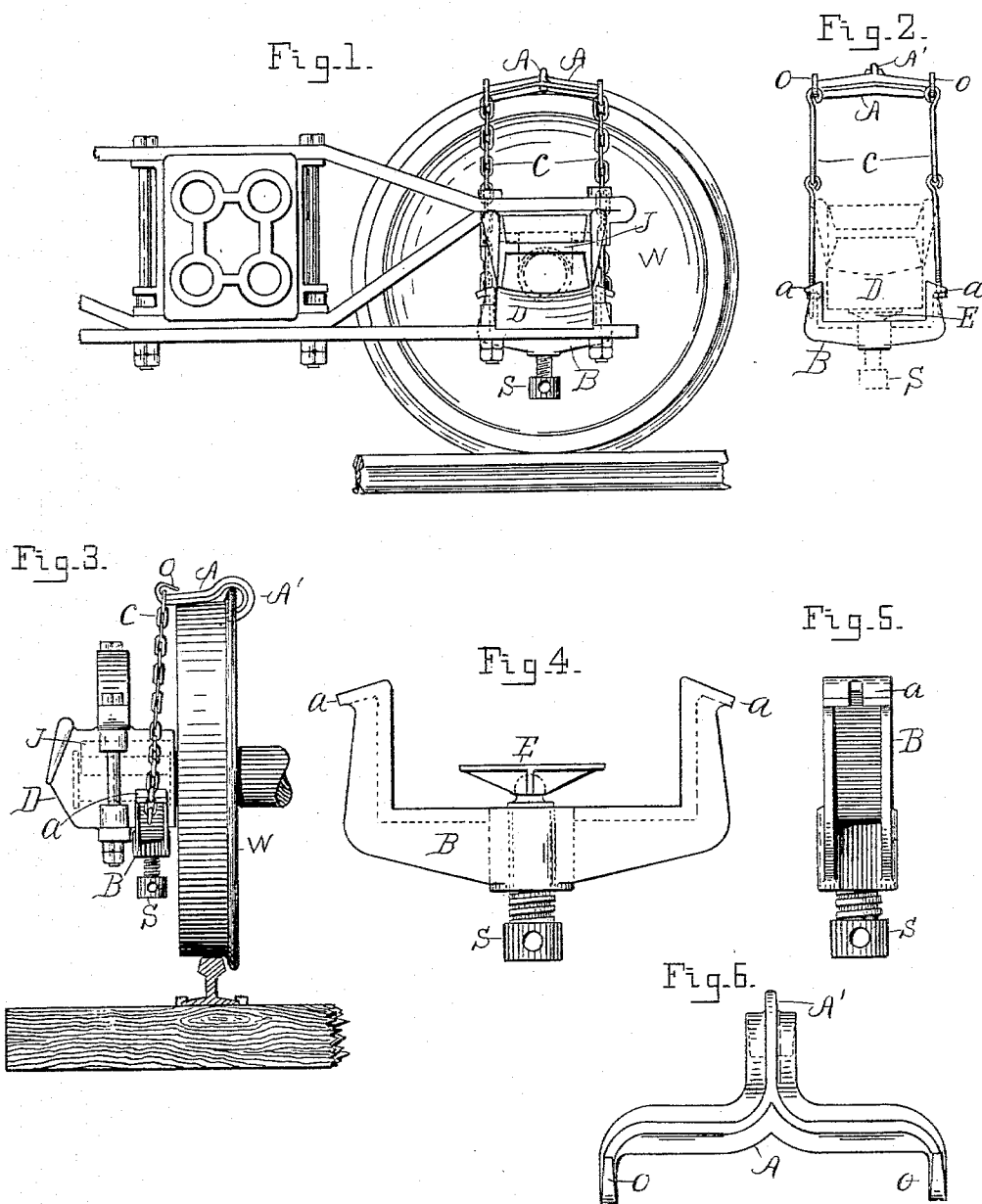


(No Model.)

C. S. LOCKE.
CAR JACK.

No. 531,730.

Patented Jan. 1, 1895.



Witnesses:

Ray Hutchins.
H. C. Hutchins

Inventor:

Charles S. Locke

By Thor. H. Hutchins Attorney.

UNITED STATES PATENT OFFICE.

CHARLES S. LOCKE, OF JOLIET, ILLINOIS, ASSIGNOR OF ONE-HALF TO PHILO D. HAWLEY, OF SAME PLACE.

CAR-JACK.

SPECIFICATION forming part of Letters Patent No. 531,730, dated January 1, 1895.

Application filed September 4, 1894. Serial No. 522,013. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. LOCKE, a citizen of the United States of America, residing at Joliet, in the county of Will and State of Illinois, have invented certain new and useful Improvements in Car-Jacks, of which the following is a specification, reference being had therein to the accompanying drawings, and to the letters of reference thereon, forming a part of this specification, in which—

Figure 1 is a side elevation of the lifting jack as it would appear applied to a car truck. Fig. 2 is a side elevation of the lifting jack as it would appear detached from a car truck. Fig. 3 is an end elevation of the lifting jack as it would appear as applied to a car truck. Fig. 4 is a side view of the stirrup of the jack. Fig. 5 is an end view of the stirrup of the jack; and Fig. 6 is a side view of the yoke of the jack.

This invention relates to certain improvements in lifting jacks for cars, and pertains to that class of jacks for lifting the housing of the axle box for removing and replacing the brass bearing resting on the axle journal, which improvements are fully set forth and explained in the following specification and claim.

Referring to the drawings B is a stirrup fitted with a jack screw S provided with a swivel head E for engaging the under side of the housing D of the axle box. The outer ends of said stirrup terminate in upwardly extending arms provided with hooks *a* at their extremities, said hooks being provided with a recess for receiving the lower ends of the chains C. The arms of said stirrup extend upward so that the hooks *a* on them are on a line with the axle, which prevents the stirrup from swinging in either direction when the screw sustains a very heavy weight, which is very necessary, as in case said stirrup was not provided with such upwardly extending arms the chains supporting it would have to

be longer and reach quite a long distance below the axle box, and as the screw is turned so as to lift the box, the screw together with the said stirrup and its chains would be very liable to swing either to one side or the other and let the load fall, which danger is entirely overcome by means of the use of said upwardly extending arms.

A is a yoke having the central hook A' for hooking over the top of the car wheel W, and is provided at each end with the hooks O, to which hooks are attached the upper ends of the chains C, for connecting said yoke and stirrup. Said chains may be substituted by rods having nuts turned on their lower ends for adjusting the jack to any height of car wheel, as shown in Fig. 2.

In operation the yoke A is first hooked on over the top of the car wheel, and the stirrup B is then placed up under the housing D of the axle box and connected with said yoke by means of the chains C attached to the hooks *a*. The screw S is then turned and the housing D will be lifted so as to relieve the brass journal bearing J from pressure of the housing, when said bearing may be readily and quickly removed to be replaced by another whenever it becomes necessary.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is as follows:

A car jack comprising the combination of the stirrup B having its ends terminate in upwardly extending arms provided with hooks *a* on their upper ends, the jack screw S fitting a screw threaded bore in said stirrup, the yoke A having the hooks A' and O, and the flexible means secured to said yoke for detachably connecting said yoke and stirrup, all arranged to operate substantially as and for the purpose set forth.

CHARLES S. LOCKE.

Witnesses:

THOS. H. HUTCHINS,
PHILO D. HAWLEY.