(No Model.)

A. O. SCOTT.

CARRIAGE JACK.

No. 282,573. Patented Aug. 7, 1883.

Fig. 1

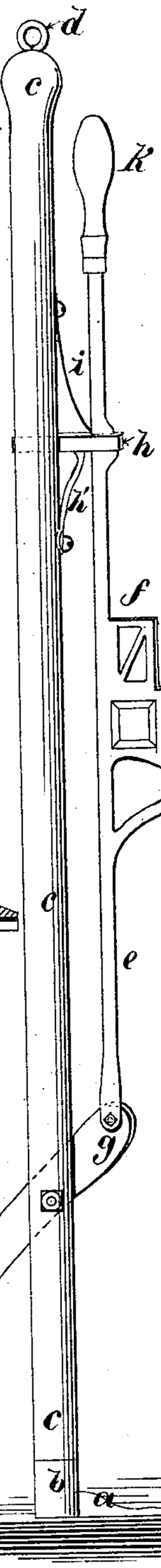


Fig. 2

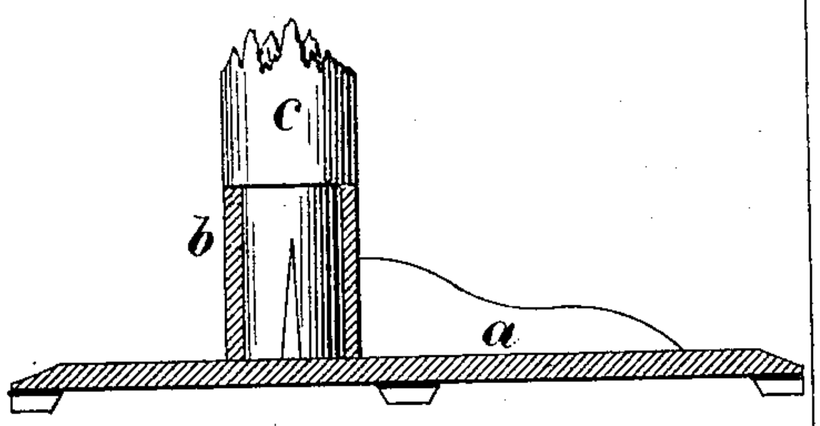
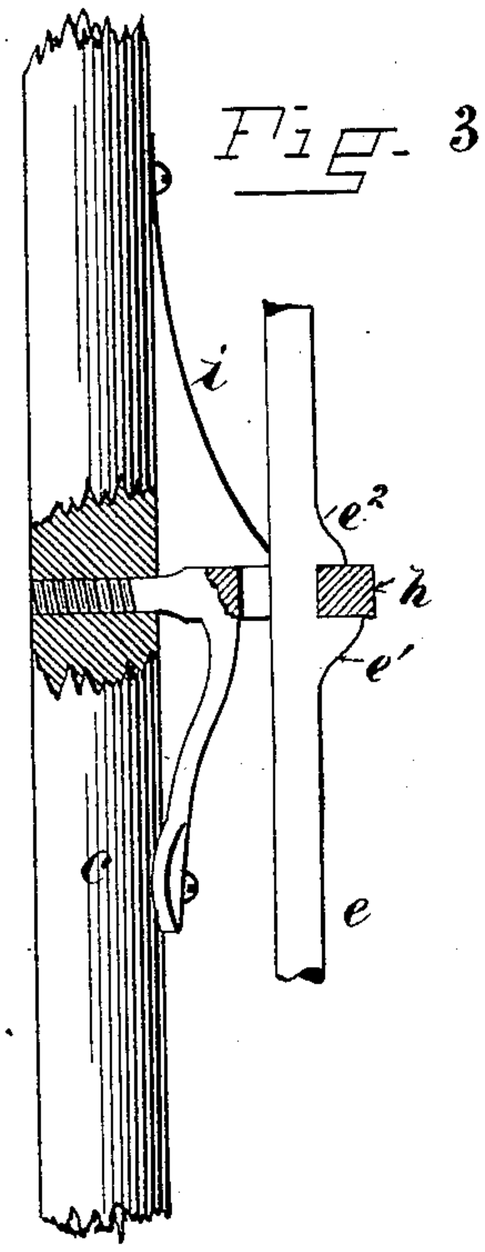


Fig. 3



WITNESSES.

Wm. L. Coop,

C. H. Leuthesser

INVENTOR.

Albert O. Scott

by Joseph A. Miller & Co.

Attys

UNITED STATES PATENT OFFICE.

ALBERT O. SCOTT, OF SUMMIT, RHODE ISLAND.

CARRIAGE-JACK.

SPECIFICATION forming part of Letters Patent No. 282,573, dated August 7, 1883.

Application filed January 2, 1883. (No model.)

To all whom it may concern:

Be it known that I, ALBERT O. SCOTT, of Summit, county of Kent, and State of Rhode Island, have invented a new and useful Improvement in Carriage-Jacks; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention refers to an improvement in jacks for lifting and supporting the axles of buggies and other carriages, and is especially designed for light carriages.

The invention consists in the peculiar and novel construction, by which the jack is made light, more convenient in use, and cheap, as will be more fully set forth hereinafter.

Figure 1 is a view of my improved jack, showing the same in the position when supporting the axle of a carriage. Fig. 2 is an enlarged view, partly in section, of the stand and socket in which the post is secured. Fig. 3 is a view, partly in section, of the post and the catch by which the lift is supported.

In the drawings, *a* is the base on which the jack is supported. It is provided with projections at its under side, so as to give a firm support to the same.

b is a socket cast with the base *a*, in which the standard or post *c* is secured. For ordinary use this post or standard *c* is the size of an ordinary broom or similar handle, made of suitable wood, so as to make a light jack. Into the upper end a wire eye is secured, so that the jack may be hung up, and thus be out of the way of danger. Jacks of the ordinary construction are usually too heavy to be conveniently hung up, and are therefore left standing on the floor. They are pushed about and liable to be broken.

The lifting-bar *e* is provided with the steps *f f*, either one of which may fit the height of the axle to be lifted. The lower end of the lifting-bar *e* is pivotally connected with the foot-lever *g*, supported on a fulcrum placed in the post *c*. The upper end of the lifting-bar passes through the slotted bracket *h*, more clearly shown in Fig. 3. The lifting-bar *e* is provided with the stop *e'*, which limits the rise of the same, and the pawl e^2, by which it is supported on the bracket *h*, the spring *i* keeping it in place when in use. The upper end of the lifting-bar is provided with the handle *k*, which, when pressed against or toward the post *c*, releases the catch and allows the jack and its burden to descend.

The construction of the bracket is as follows: The slotted arm is provided with a screw-thread, which enters the post *c*, and the support *h'* is secured against the post by a screw.

The operation of the jack is as follows: It is first placed near the axle, so that one of the steps *f f* will be under the same. The foot is now placed on the foot-lever *g*, and the carriage is raised until the latch is thrown by the spring *i* on the bracket *h*, when the weight is firmly supported, so that the wheel may be removed or turned in washing the same. When ready to be released, one finger of the hand that holds the post near the top may be pressed on the handle *k*, and the lifting-rod will be instantly released, the foot may be placed on the foot-lever, and the carriage lowered slowly. The whole is so light and strong that it can be conveniently carried by one hand and entered between the wheels of the carriage. When not required it can be hung on a nail or hook, ready for further use, and out of the way of harm. The round post *c* receives all the thrust endwise to the grain of the wood, and is therefore able to sustain great weight, combining neatness and lightness with strength.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a carriage-jack, the combination, with the post *c* and base *a*, of the lifting-rod *e*, provided with the steps *f f* and the handle *k*, the foot-lever *g*, the bracket *h*, the spring *i*, the stop *e'*, and the pawl e^2, constructed substantially as described.

2. The combination, with the lifting-rod *e*, provided with a latch, the bracket *h*, and the foot-lever *g*, of the post *c*, provided with the wire eye *d*, constructed to suspend the jack, as described.

ALBERT O. SCOTT.

Witnesses:
J. A. MILLER, Jr.,
M. H. BLIGH.