(No Model.)

A. L. DENNO.

JACK.

No. 318,702. Patented May 26, 1885.

Fig. 1.

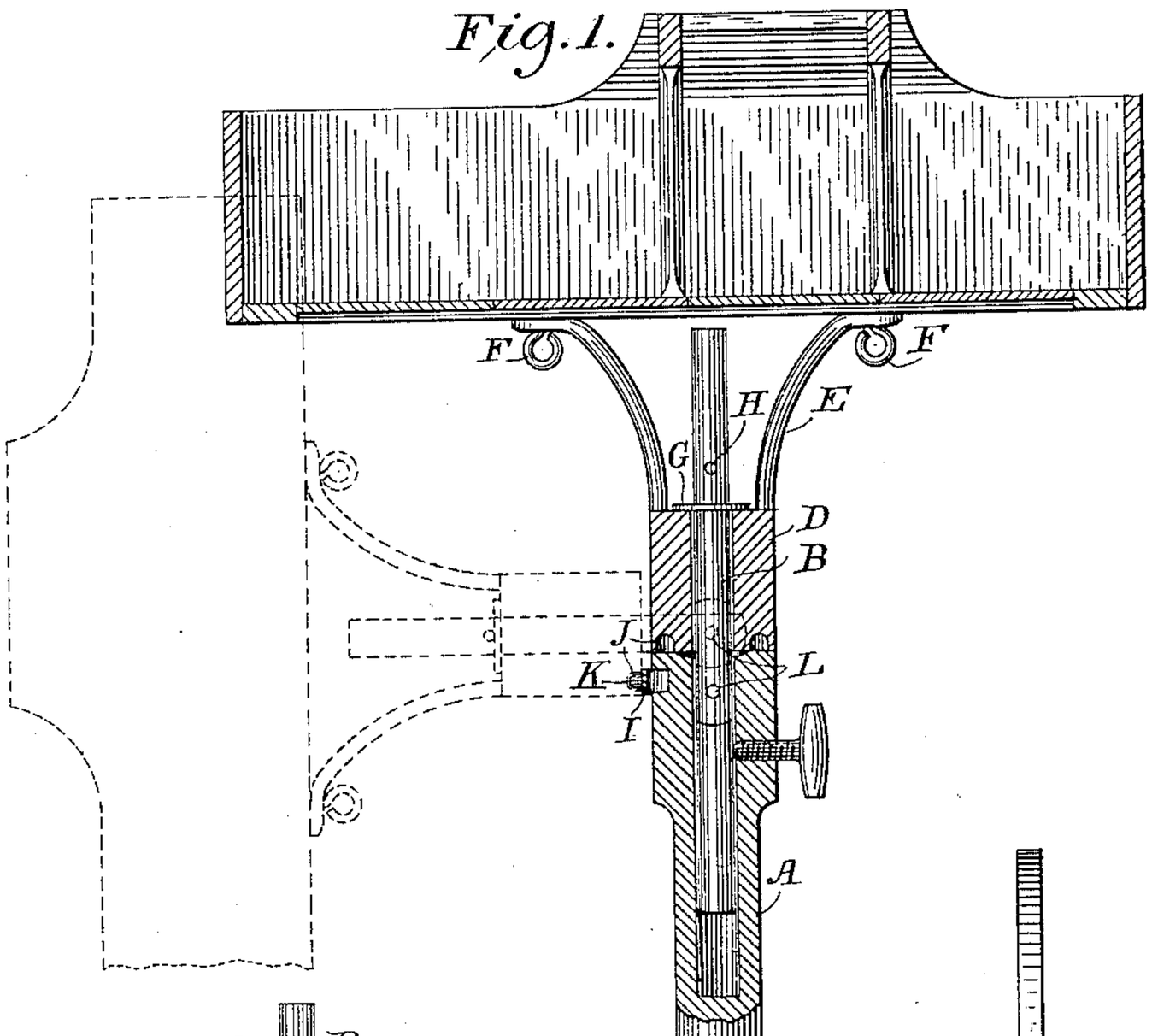


Fig. 2.

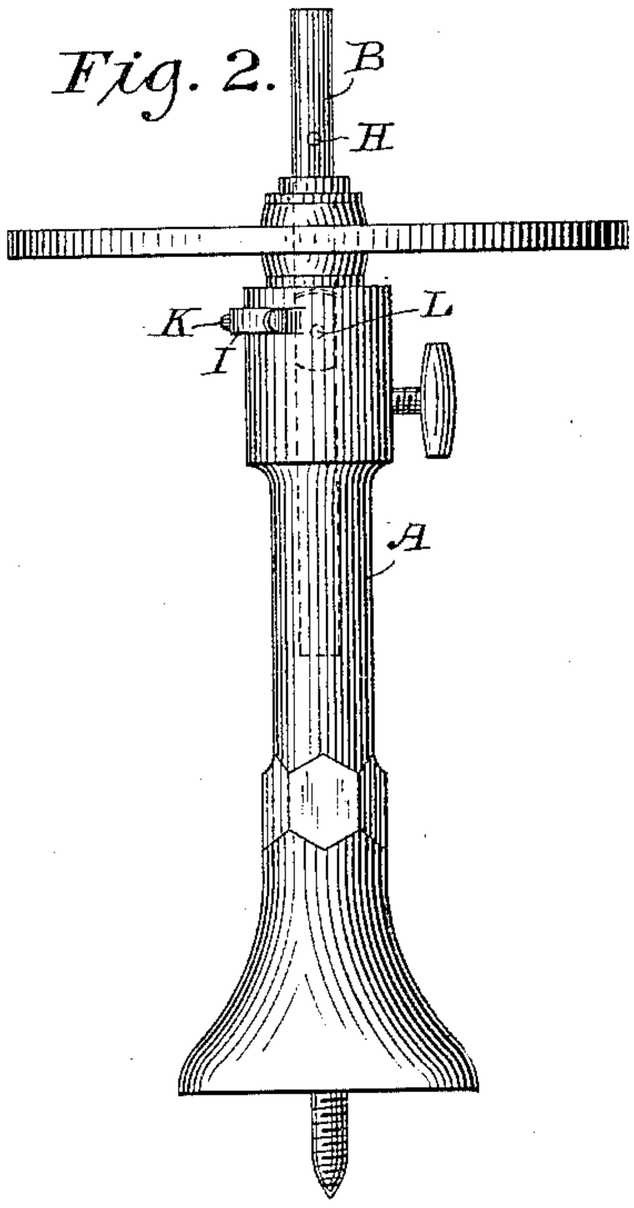
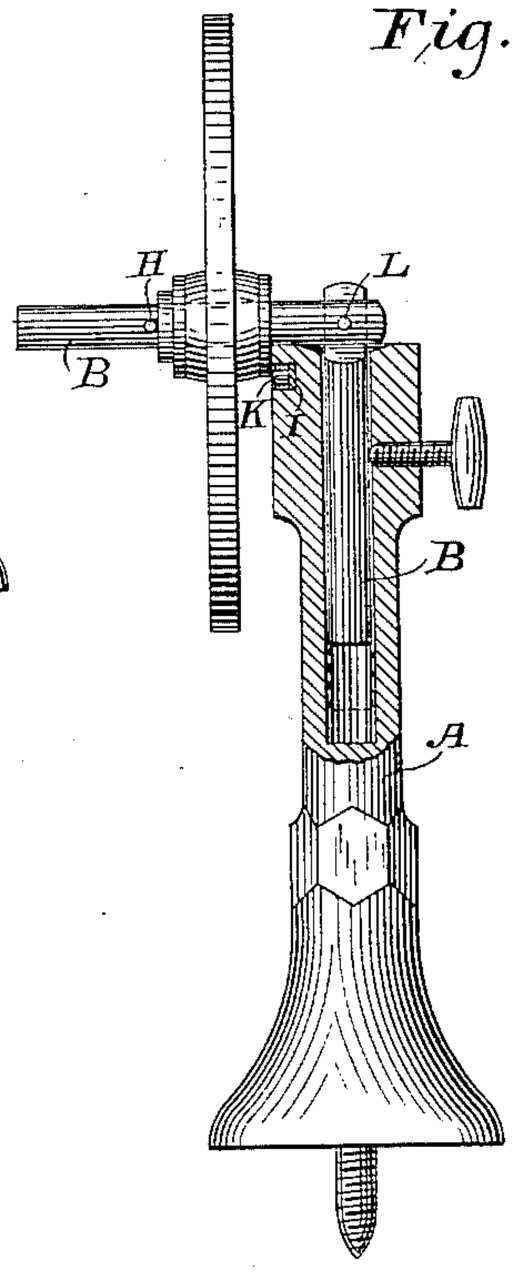


Fig. 3.



WITNESSES

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JACK.

SPECIFICATION forming part of Letters Patent No. 318,702, dated May 26, 1885.

Application filed March 31, 1885. (No model.)

To all whom it may concern:

Be it known that I, AMOS L. DENNO, a citizen of the United States, residing at Salem, New York, have invented new and useful Improvements in Jacks, of which the following is a specification.

My invention relates to certain new and useful improvements in jacks designed for holding articles—such as carriage-bodies, wheels, &c.—in a convenient position while being worked upon in finishing in any way, and particularly while being painted or varnished.

The object of the invention is to produce a portable jack which may be firmly secured in place while in use, and so constructed as to render it possible for the article supported by the jack to be held at any desired or convenient altitude or at any angle while being worked upon.

The object of the invention is, further, to produce a jack in which the parts are so formed as to render the adjustment of parts to change the article worked upon from one position to another rapid and easy, and also to provide a simple means for retaining the parts stationary during the time the article carried is being worked upon.

With these objects in view my invention consists, essentially, of a suitable standard having an adjustable rod sliding in or along said standard, the said rod being provided with a joint which enables it to be turned to extend at right angles from the standard.

The invention further consists of various details of construction by which the device is rendered effective and the objects of the invention accomplished.

In order that those skilled in the art to which my invention appertains may know how to make and use my invention, I will now proceed to describe the same in connection with the accompanying drawings, in which—

Figure 1 represents a side view, partially in section, of my improved jack, having a wagon-body in position thereon, the dotted lines showing the position which it may be caused to assume by a slight manipulation of parts. Fig. 2 represents a side elevation of the jack, having a wheel placed thereon, the frame by which the wagon-body or similar body is held being removed; and Fig. 3 represents a side elevation, partly in section, the parts being represented in a position to bring the wheel in a perpendicular position.

In the drawings, A represents the standard or main body of the jack, which is provided at the bottom with any suitable means of securing it firmly in place. In the present form a screw is shown as having its head embedded in the base of the standard and adapted to be screwed into a floor or the like. The upper portion of the body of this standard is provided with a central opening, preferably circular in cross-section, which forms a socket for a sliding rod, B, and the wall of this opening is provided with a hand-screw, D, which may be set against the rod B, and to hold it at any desired altitude. When a wagon-body or similar article is used upon the jack, a frame, D, is employed. This consists of a base, D′, having upwardly-extending arms E, in the ends of which are thumb-screws, which may be screwed into a convenient part of the article to be worked upon and in that way hold it firmly in position to be operate upon. The base D′ has a circular openin through which the rod projects, so that it is capable of being revolved freely when it is desired to shift the article supported thereon.

In order that the central supporting-rod may be capable of being turned down at right angles to the standard to bring the wagon-box in a convenient position to work upon the sides or ends, the said rod is made in two parts, joined by a hinge-joint, so that it is only necessary to raise the rod a sufficient distance to bring the joint flush with the top of the standard, to enable its upper end to be turned down at right angles to the standard and the lower portion of the rod.

The hub or base D′ is prevented from slipping off the end of the rod by means of the washer G and pin H, which passes through the said rod.

As a convenient means of retaining the hub D′ and the wagon-body carried thereon at any desired point in its revolution, I provide the lower face of the said hub with a series of openings, J; and I also provide the side of

the standard with a spring projection having a knob or projection, which is sprung into these openings and affords a means of holding the hub against turning.

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

1. In a jack for holding wagon-bodies, wheels, &c., while being worked upon, the standard A, the sliding rod B, and the frame D, substantially as described.

2. A jack consisting of the standard A, provided with the hand-screw, the sliding rod B, made in two parts connected by a hinge-joint, and the frame D, substantially as described.

3. In a jack for holding wagon-bodies, wheels, &c., while being worked upon, the standard A, having the set-screw, the sliding rod made in two parts, joined by a hinge-joint, and the frame consisting of the base or hub D, and the upwardly-extending arms having retaining devices, substantially as described.

4. In a jack of the kind described, the standard A, provided with the set-screw, the rod B, and the frame D, the under side of the hub D′ of which is provided with a series of depressions, and the spring projection I, having the projection K, taking into the said depressions, substantially as described.

5. In a jack of the kind described, the standard provided with suitable means for securing it firmly in position, the rod B, made in two parts, connected by the hinge-joint, the frame consisting of the hub and the upwardly-extending arms, the under side of said hub being provided with depressions, and the spring-catch placed upon the said standard and taking into the depressions, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

AMOS L. DENNO.

Witnesses:

GEORGE N. BRIGGS,

JOSEPH KELLY.