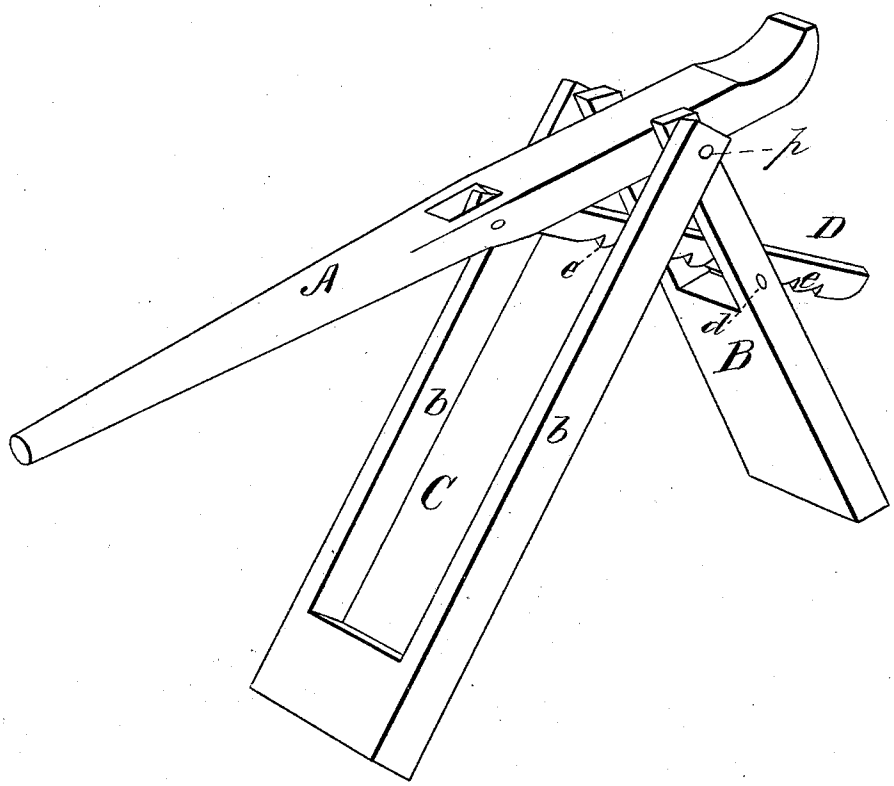
A. W. RICHARDS.

Carriage-Jack.

No. 168,530. Patented Oct. 5, 1875.



WITNESSES
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UNITED STATES PATENT OFFICE.

AURELIUS W. RICHARDS, OF MUSCATINE, IOWA.

IMPROVEMENT IN CARRIAGE-JACKS.

Specification forming part of Letters Patent No. **168,530**, dated October 5, 1875; application filed March 20, 1875.

To all whom it may concern:

Be it known that I, AURELIUS W. RICHARDS, of Muscatine, in the county of Muscatine and State of Iowa, have invented a new and valuable Improvement in Wagon and Carriage Jacks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of my wagon-jack.

This invention has relation to improvements in wagon-jacks.

The object of the invention is to provide an adequate support for the lifting-lever when the implement is in use, which will be capable of being folded within a second supporting-leg, thereby economizing room when not needed.

In the annexed drawings, A designates a lifting-lever of the usual well-known form, which is pivoted in the upper furcated end of a main supporting-leg, B, by means of a pin, *p*. Leg B is adapted to be folded in upon a second supporting-leg, C, and when thus folded is adapted to be snugly received between the side rails *b* of the latter. Supporting-legs B C and lever A are hinged and pivoted together, respectively, by means of pin *p*, which passes through registering-perforations therein, and, when it is desirable, may be unfolded to assume the position shown in the drawings for supporting the axle, and raising a wheel free from the ground, for the purpose of allowing the latter to be removed for repairs, or for the application of a lubricant to its spindle. Legs B C are locked against undue spread by the hold which the latter takes upon the ground, and lever A is held against casual vertical vibration, whereby the weight end of the said lever would be depressed, and allow the axle to fall off therefrom by means of a bar, D, pivoted to lever A, and adapted to be hooked over a transverse bolt, *d*. Bar D is in the nature of a rack-bar, and it is provided with a number of spaced teeth, *e*, so that the lifting-lever A may be raised higher from the ground by placing leg B in a vertical position, and yet be prevented from all casual vibration by an engagement of one of the lower teeth *e* of the said bar.

When the implement above described is not in use leg B may be folded inward between rails *b* of supporting-leg C, and thus made into a compact form, and laid aside, thus economizing room, and yet rendering it readily adjustable for use. Supporting-leg B, independent of its sustaining function, is also serviceable as a device for raising and adjusting the height of the lifting arm or lever to the varying heights from the ground of different vehicles.

It will be seen that, by folding the brace B into the opening of the support C, the latter can be readily employed in a vertical position, thus enabling the jack to be applied at a higher point than if the support and brace were of the same length.

What I claim as new, and desire to secure by Letters Patent, is—

The recessed supports B C, hinged together, and adapted to be folded one within the other, in combination with the rack-bar D, bolt *d*, and lifting-lever A, all constructed and arranged as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of three witnesses.

AURELIUS W. RICHARDS.

Witnesses:

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G. W. REICHLEY,

WILLIAM W. RICHARDS.