(No Model.)

H. C. TORREY.

CARRIAGE JACK.

No. 263,367. Patented Aug. 29, 1882.

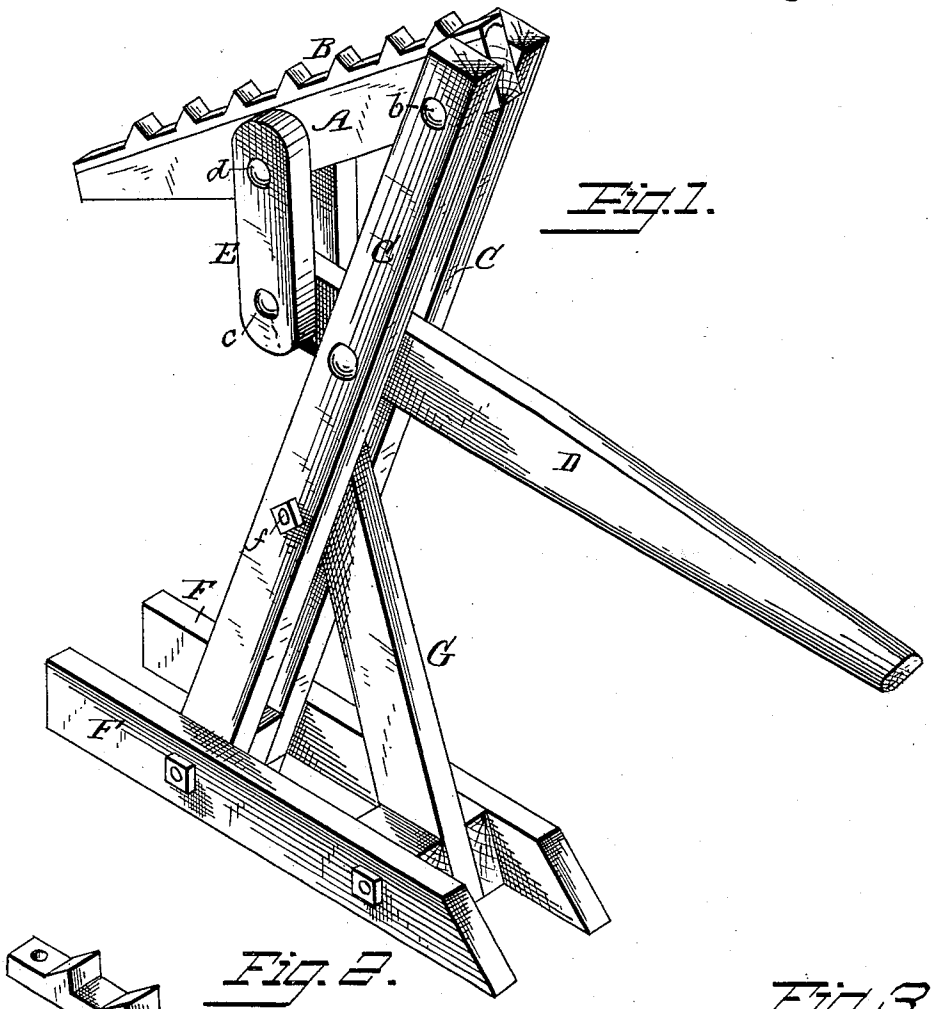

Fig. 1.

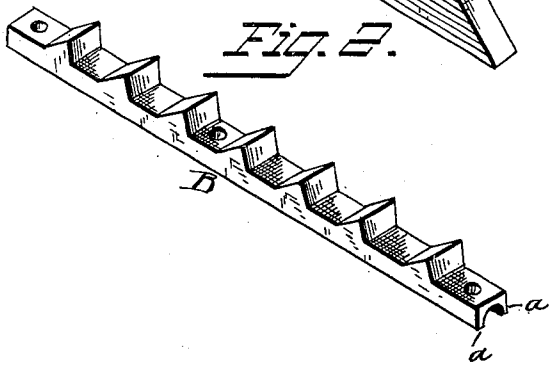

Fig. 2.

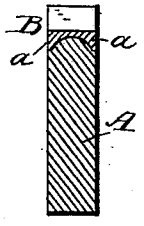

Fig. 3.

WITNESSES

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HENRY C. TORREY, OF CENTRAL VILLAGE, CONNECTICUT.

CARRIAGE-JACK.

SPECIFICATION forming part of Letters Patent No. 263,367, dated August 29, 1882.

Application filed April 21, 1882. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. TORREY, a citizen of the United States, residing at Central Village, in the county of Windham and State of Connecticut, have invented certain new and useful Improvements in Carriage-Jacks; and I do hereby declare that the following is a full, clear, and exact description 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 is a perspective view of my invention; Fig. 2, a detail view of the rack-plate, and Fig. 3 a cross-section of the rack-plate and lift.

This invention relates to that class of lifting-jacks provided with a metal rack-plate secured to the elevating bar or lift; and the object of the present invention is to provide such a bar or lift with a rack-plate that will fit thereon in such a manner as to prevent the wood composing the said bar or lift from becoming split by lateral strain upon the fastening-screws, it being usual to have the under surface of the plate perfectly flat and secured upon the top edge of the bar or lift by screws.

The invention therefore consists in forming the rack-plate with a recess or groove upon its under side to form flanges, which embrace the sides of the bar or lift, and thereby prevent the splitting of the wood by the lateral stain upon the screws holding the plate thereto. These objects I attain by the construction substantially as shown in the drawings and hereinafter described.

In the accompanying drawings, A represents the lift, made of wood, having secured to its upper face a metallic rack-plate, B, recessed or grooved upon its under side to form flanges *a*, which embrace the sides of the said lift to prevent the wood from splitting by the lateral strain upon the screws fastening the plate to the lift. This lift A is secured between standards C by means of a pivot, *b*, and is connected to the lever D by means of a link, E, formed of two pieces, one on each side of the lever and lift, and secured thereto by means of pivots *c d*, the said lever being pivoted to and operating between the standards C. The standards are riveted to a base, F, and held in position by a brace, G, secured to the said base and riveted between the standards by a bolt or rivet, *f*.

The lift, provided with the rack-plate, is placed under the axle of a wagon or carriage, and the same lifted by bearing down upon the lever.

Although I have shown the rack-plate as being concave upon its under side, the same may be made with vertical flanges depending from the sides of the plate to embrace the sides of the bar or lift without departing from the spirit of my invention.

It will be readily seen that by having the rack-plate formed with flanges to fit upon the sides of the wooden bar or lift, that when the said plate is screwed thereto the flanges will prevent the wood from becoming split by lateral strain upon the screws, as is often the case in lifting-jacks composed of a flat plate screwed to the top of the lift.

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

In a lifting-jack having the usual standards and pivoted operating-lever, the combination, with the bar or lift A, connected to said lever by pivotal link E, of the metal rack-plate B, recessed or grooved upon its under side to form flanges *a* for embracing the sides of the bar or lift, and secured thereto by screws or other like fastenings, substantially as and for the purpose set forth.

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

HENRY C. TORREY.

Witnesses:

CHARLES E. BARBER, 2d,

SESSIONS L. ADAMS.