

C. H. JACKSON.
HAND-TRUCK.

No. 194,968.

Patented Sept. 11, 1877.

Fig. 1.

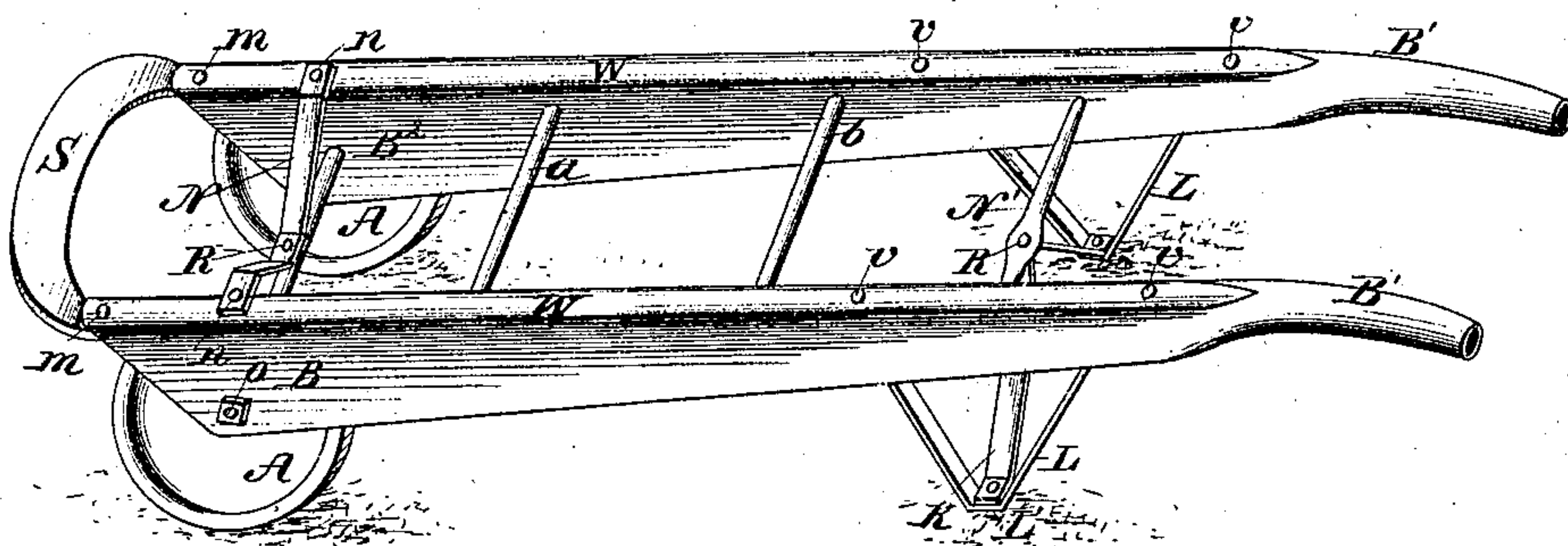


Fig. 2.

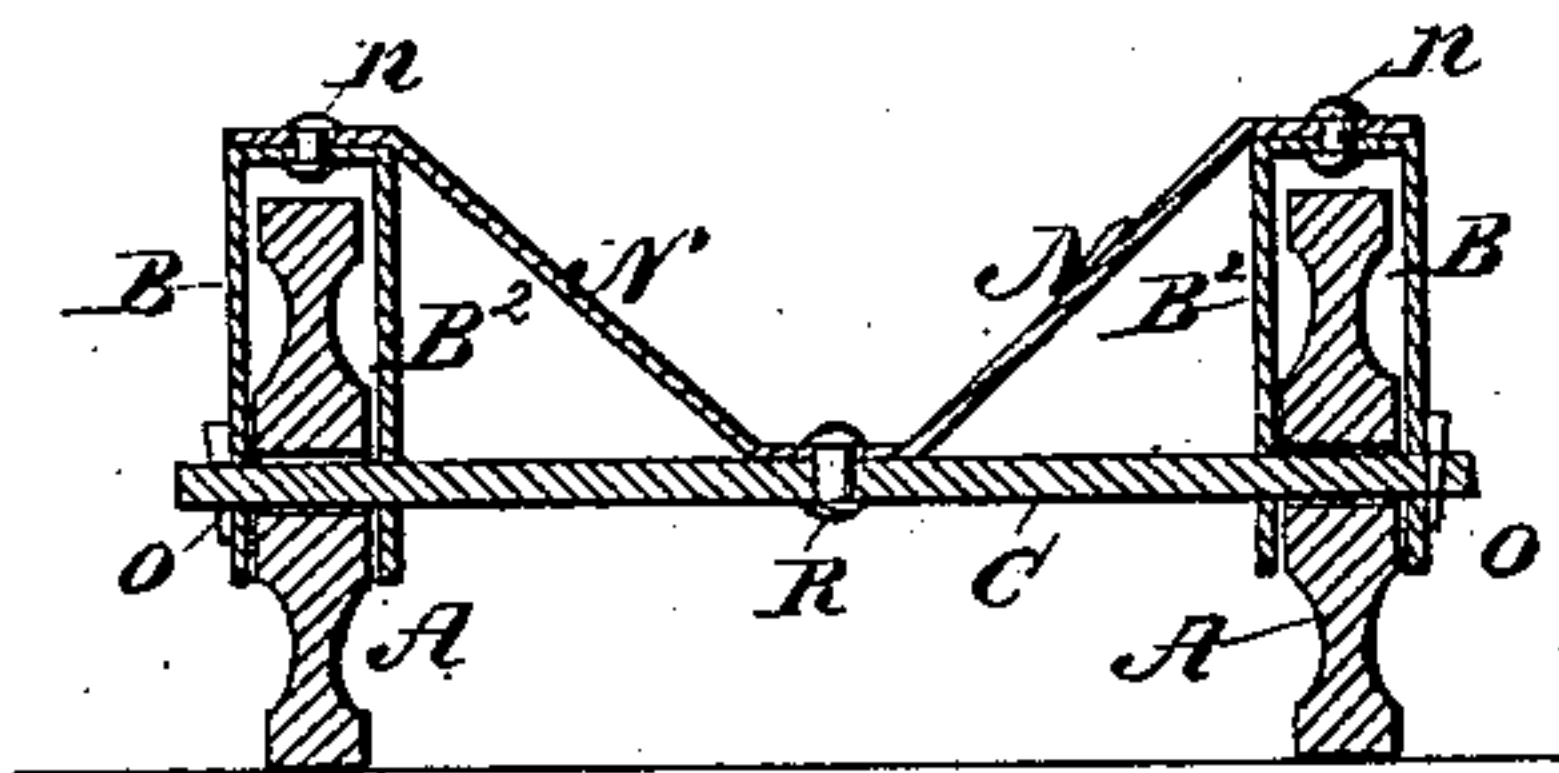
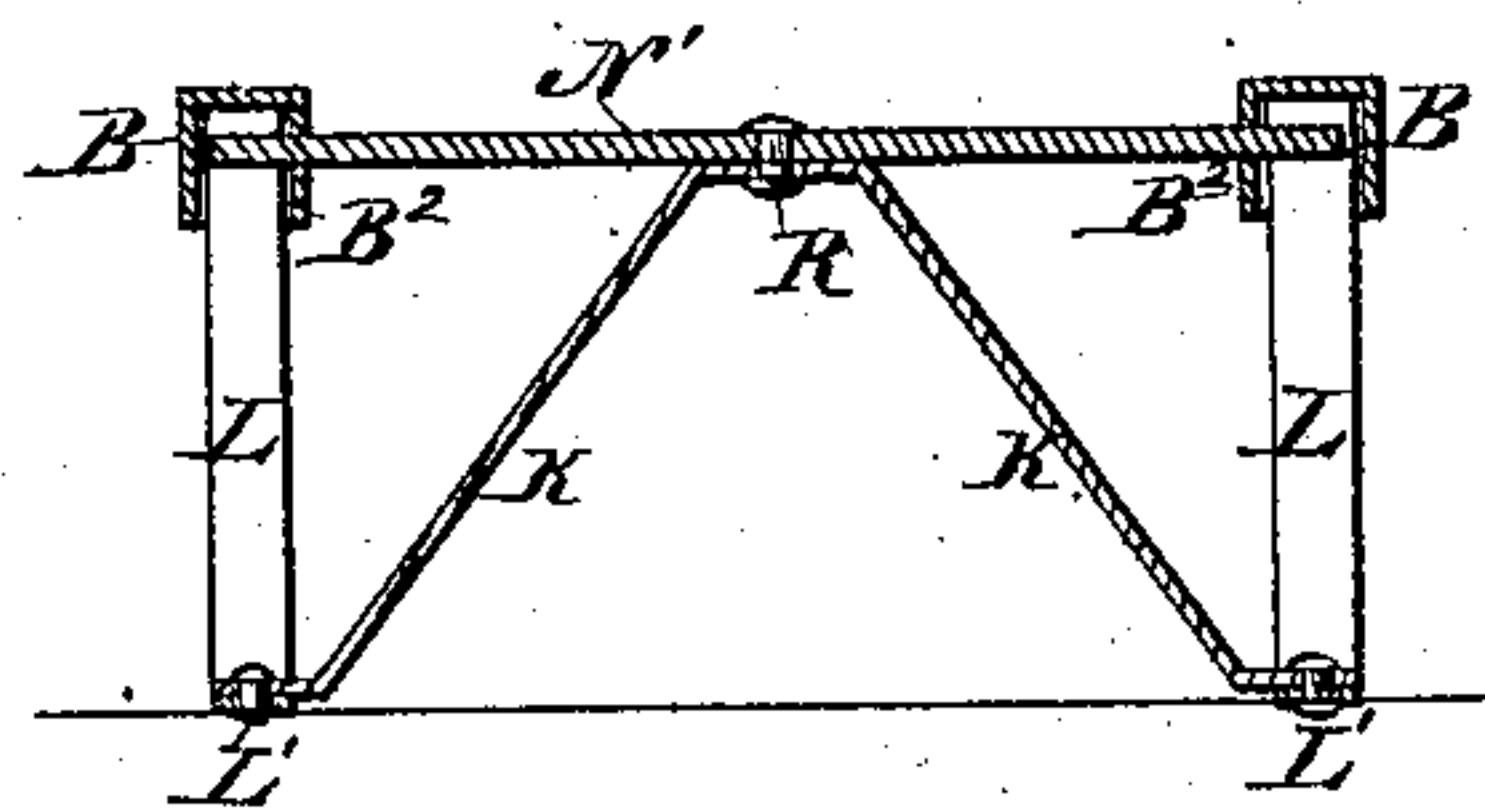


Fig. 3.



Attest.

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IMPROVEMENT IN HAND-TRUCKS.

Specification forming part of Letters Patent No. **194,968**, dated September 11, 1877; application filed February 24, 1877.

To all whom it may concern:

Be it known that I, CALEB H. JACKSON, of the city of Harrisburg, county of Dauphin and State of Pennsylvania, have invented an Improvement in Hand-Trucks; 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 accompanying drawing, and the reference-characters marked thereon, which form a part of this specification.

The nature and objects of my invention are declared as follows: First, a hand-truck having the truck side frames made of channeled sheet metal, whose flanges are increased in depth toward the trundles; second, in a hand-truck having channeled side frames, the arrangement of the trundles between the flanges of said side frames upon stayed axles; third, in a hand-truck, the combination of channeled side frames, trundles, and braces, all so arranged as to keep the parts firmly and mutually secured together.

In the accompanying drawing, Figure 1 is a perspective view of my invention. Fig. 2 represents a transverse vertical section of my device taken through the axis of the trundle-axle, and Fig. 3 represents a transverse vertical section of the same taken through the front braces.

In the several views, A A represent the trundles, which are ordinary idlers, each confined in the thill-body, upon a fixed axle, C, which is made stationary by a brace, N N, secured thereto and to the thills W W by bolts or rivets R m n, as shown. The ends of the axle may also be shouldered and threaded to receive the nuts O O. The thills W W are made of sheet metal, preferably of steel, channeled beneath, having the turn-down parts or flanges B B², which are patterned to increase gradually in depth from the handles B¹ B¹ forward to the axle C. The truck-nosing S is made in the usual way, but is joined to the thills W W by passing its ends into the latter and bolting or riveting them thereto at m n, as shown in Fig. 1. The trundles A A are inserted between the flanges B B², in order that a lighter axle may be employed, as the flanges of the thill support it close up to the trundles, on each side thereof. The thills W W are braced together near the handles B¹ B¹ by the cross-brace N', to which is con-

nected the double stay K K by a rivet or bolt, R, and said stay or stays K K are connected at their ends, by bolts or rivets L' L', to the truck-legs L L, which are made in inverted-truss style, and bolted or riveted, at V V, to the thill tops W W, between flanges B B², as shown in Figs. 1 and 3. The intermediate cross-ties a b and cross-brace N' are, in practice, provided with right and left screws at their opposite ends, and they are inserted only through the inner flange B² of the thills, which are tapped to admit them.

From the foregoing description it may be inferred that my improved truck is comparatively stronger and yet lighter than those heretofore made; that its parts are neatly and simply proportioned, and secured firmly and rigidly together; and that greater durability is obtained at less cost than is possible by the usual make.

Having thus fully and clearly described my invention, what I regard as new and useful, and what I desire to secure by Letters Patent of the United States, is substantially embraced in the following:

I claim—

1. In a hand-truck, the thills made of sheet metal, and channeled, with flanges thereof increased in depth from the handles to the trundles, substantially as set forth.

2. A hand-truck provided with channeled thills, and having trundles between the flanges of the thills upon a fixed axle, substantially as set forth.

3. In a hand-truck, the combination of the channeled thills W W, trundles A A, fixed axle C, stays N N, nosing S, all connected rigidly by rivets or bolts R m n, substantially as set forth.

4. A hand-truck consisting of channeled thills W W, trussed legs L L, braces K K, cross-braces N' a b, fixed axle C, braces N N, trundles A A, and nosing S, all these parts being arranged and combined substantially as set forth.

In testimony that I claim the foregoing as my invention I have hereunto set my hand and seal this 23d day of February, 1877.

CALEB H. JACKSON. [L. s.]

Attest:

THEOPHILUS WEAVER,
D. A. KEPNER.