

C. H. JACKSON.
HAND-TRUCK.

No. 194,968.

Patented Sept. 11, 1877.

Fig. 1.

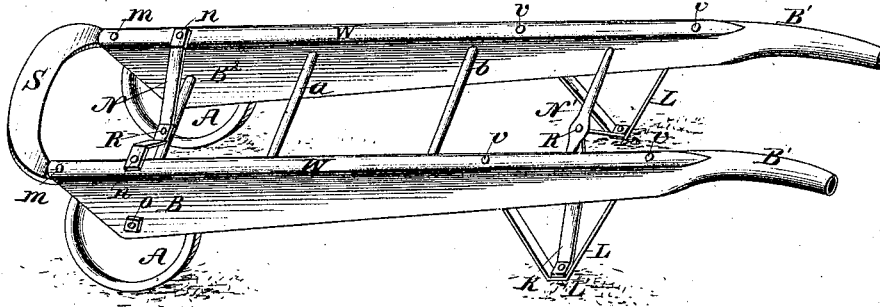


Fig. 2.

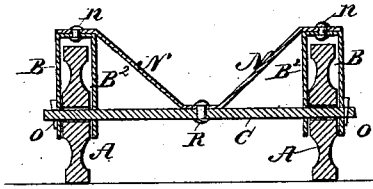
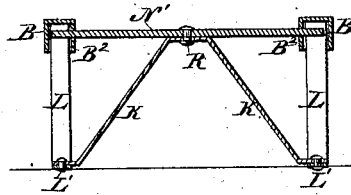


Fig. 3.



Attest.

Thiophilus Weaver
D. A. Keener

Inventor.

Caleb H. Jackson,

UNITED STATES PATENT OFFICE.

CALEB H. JACKSON, OF HARRISBURG, PENNSYLVANIA.

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.