

T. HILL.
Hand-Truck.

No. 214,133.

Patented April 8, 1879.

Fig. 1.

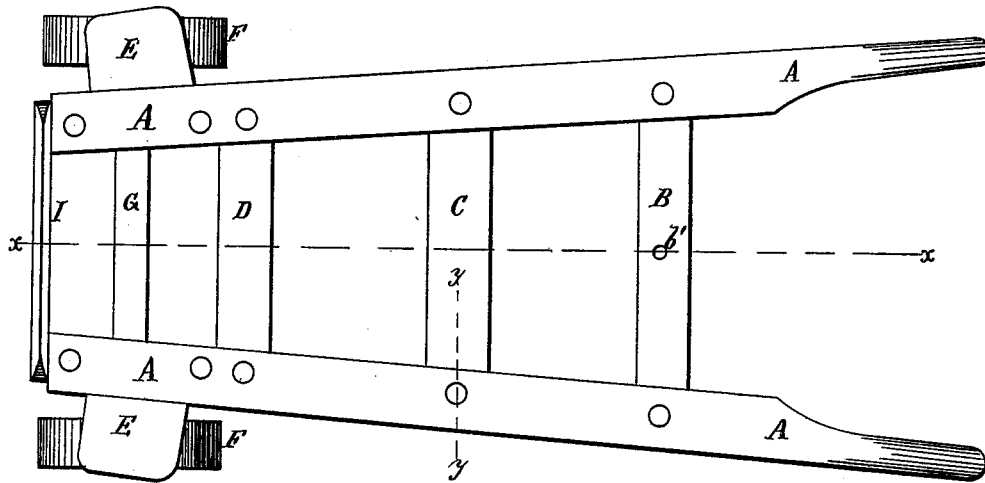


Fig. 3.

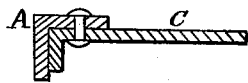
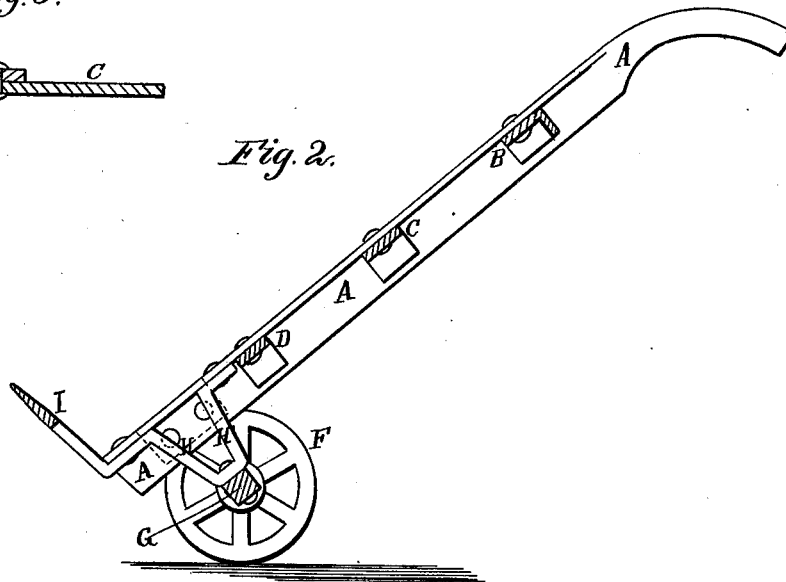


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS HILL, OF JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN HAND-TRUCKS.

Specification forming part of Letters Patent No. **214,133**, dated April 8, 1879; application filed October 25, 1878.

To all whom it may concern:

Be it known that I, THOMAS HILL, of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and useful Improvement in Hand-Trucks, of which the following is a specification.

Figure 1 is a top view of one of my improved hand-trucks. Fig. 2 is a longitudinal section of the same, taken through the line *x x*, Fig. 1. Fig. 3 is a detail cross-section of a part of the same, taken through the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish improved hand-trucks which shall be simple in construction, light, strong, and durable, being capable of enduring changes of temperature and hard usage without being injured, and which at the same time shall be comparatively inexpensive in manufacture.

A are the side bars of the trucks, which are made of angle-iron, and are connected by three cross-bars, B C D. The forward ends of the side bars A have bars of round iron welded to them, which are curved downward to bring them into proper shape to be conveniently grasped and held with the hands when the trucks are in use. This construction of the handles adapts them to serve as legs, and thus renders the attachment of separate legs unnecessary, and avoids the annoyance of the legs catching upon objects and upon the clothes of the workmen when the trucks are in use. The front cross-bar, B, is also made of angle-iron, and has a hole, *b'*, formed through its middle part, which may be used to receive the hand-hook of the workmen, or a cord when the load has to be tied on.

The ends of the cross-bars B C D are bent downward at right angles, to fit into the angles of the side bars A, and are secured to the upper flanges of the said side bars by rivets. This construction makes the trucks firm and strong, and capable of sustaining a great weight, while being sufficiently light for convenient use.

E are the wheel-guards, which are made of angle-iron, and are secured with rivets to the outer sides of the lower flanges of the side bars A, near their rear ends.

F are the wheels, which revolve upon the journals of the axle G. The axle G is secured to the bearer-bars H by bolts, which bolts may be made long, so as to also pass through the side bars A, and thus strengthen the frame.

The bearer-bars H project upward, with a slight outward inclination, to the upper flange of the side bars A, are then bent outward, and are secured by bolts to the said bars A.

I is the back-guard, which is formed in one piece with the bearer-bars H, and thus, in connection with the said bearer-bars H, tends to strengthen and stiffen the trucks.

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

Improved hand-trucks in which the bearer-bars H, to which the axle G is bolted, and the back-guard I are made in one piece, and are bolted to the inner flanges of the angle-iron side bars A, substantially as herein shown and described.

THOMAS HILL.

Witnesses:

JAMES T. GRAHAM,
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