I. J. HART.
Wagon-Jack.

No. 205,796. Patented July 9, 1878.

Fig. 1

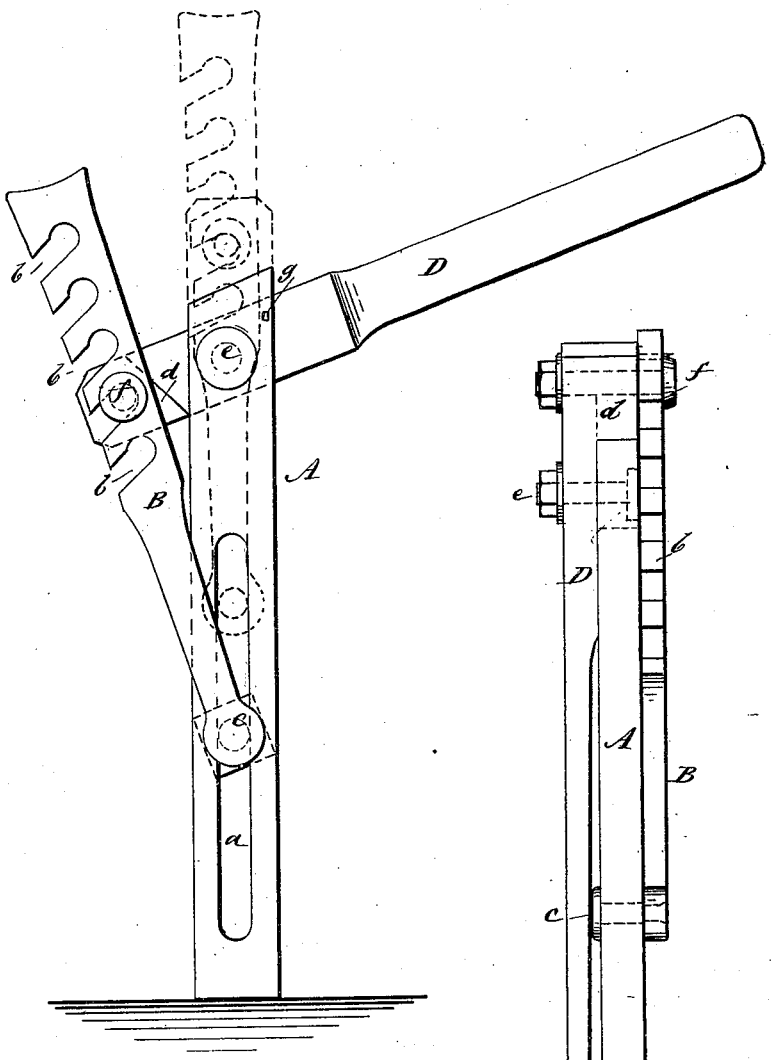
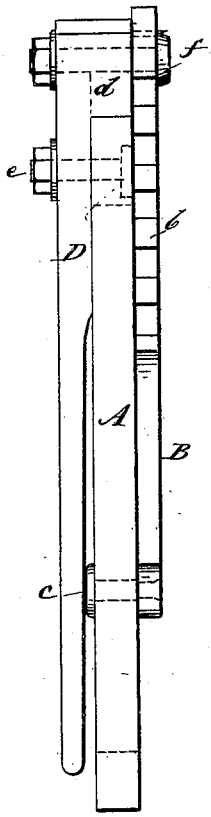


Fig. 2



WITNESSES:
C. Neveux
C. Sedgwick

INVENTOR:
I. J. Hart
BY Munn & Co
ATTORNEYS.

UNITED STATES PATENT OFFICE.

IVY J. HART, OF CHANDLER, INDIANA.

IMPROVEMENT IN WAGON-JACKS.

Specification forming part of Letters Patent No. **205,796**, dated July 9, 1878; application filed June 14, 1878.

To all whom it may concern:

Be it known that I, IVY JAY HART, of Chandler, in the county of Warrick, and State of Indiana, have invented a new and useful Improvement in Wagon-Jacks, of which the following is a specification:

My invention consists in a novel construction, arrangement, and combination of a standard, a slide, and a lever, and certain details in connection therewith, whereby a jack is produced which is cheap, simple, strong, easily adjusted and operated, and occupies but a small space when not in use.

The accompanying drawing represents a jack constructed according to my invention, Figure 1 being a side view, and Fig. 2 an edge view.

Similar letters of reference indicate corresponding parts.

A represents the standard, the upper end of which is inclined downward and forward. The standard has a longitudinal slot, *a*, extending a distance equal to about half its length, more or less.

B represents the slide, which is made preferably of metal. At its lower end is a flat-headed bolt, *c*, which works in the slot *a*. The bolt is passed through the slot, and its point is inserted in the slide, so that the slide will work closely against the side of the standard, with the bolt-head lying against the slot and keeping the parts in place together. The upper portion of the slide B is widened, and its upper end is preferably slightly concave, so as to facilitate its proper engagement with the axle-tree of a wagon. The front edge of the widened portion is provided with notches *b*, which incline upward toward the rear edge.

D represents the lever, at the upper end of which is an overhanging head or shoulder, *d*, the lower surface of which is inclined to correspond with the inclined upper surface of the standard. The lever is pivoted to the standard by a bolt, *e*, so that when the lever is at its lowest position, the head or shoulder *d* fits closely on the inclined upper end of the standard.

In the head *d* of the lever is secured a bolt, *f*, the headed portion of which extends laterally on the side toward the slide.

When the three parts are in place and folded together, the overhanging head *d* lies flush with the side of the standard, and the slide lies against the side of the standard and the side of the head *d*, as shown in the edge view, Fig. 2.

In using the jack, the long arm of the lever D is raised and the bolt *f* is engaged with the desired notch *b* of the slide B, as shown in Fig. 1. The upper end of the slide is placed under the axle-tree or the load to be lifted, and the long arm of the lever is depressed until the head or shoulder *d* fits closely on the upper end of the standard, which arrests the further movement of said lever. This carries the upper portion of the slide beyond a vertical line drawn from the bearing-point of the load to the bearing-point of the bolt *c*, in the slot *b*, and prevents said slide from moving forward again, while the backward movement of the slide is arrested by a pin or stud, *g*, which projects laterally from the upper portion of the standard. Thus the parts are held firmly in position, and cannot be displaced without raising the long arm of the lever.

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

1. The combination of the standard A, provided with the longitudinal slot *a*, the slide B, provided at its lower end with the bolt *c*, working in said slot, and having the notches *b* in its widened upper portion, and the lever D pivoted to the standard and provided with the bolt *f*, engaging with the notches *b*, substantially as and for the purpose shown and described.

2. The combination, with the notched slide or lifter B, of the lever D, having the overhanging head or shoulder *d*, and provided with the bolt *f*, the standard A, having the inclined upper end, and the pin or stud *g* projecting from said standard, substantially as and for the purpose shown and described.

IVY JAY HART.

Witnesses:
J. H. MCCULLEN,
UNION BETHELL.