M. J. HURD.
Wagon Jack.

No. 201,529. Patented March 19, 1878.

Fig. I.

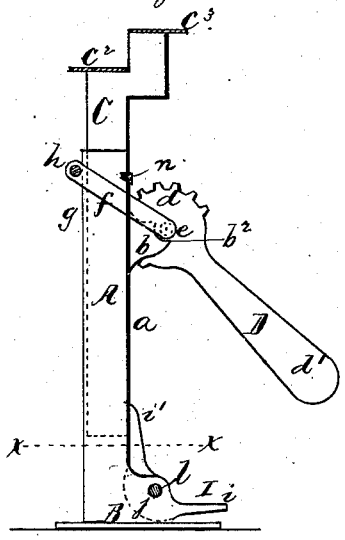


Fig. II.

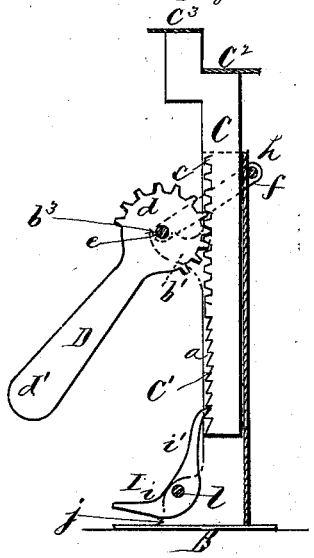


Fig. III

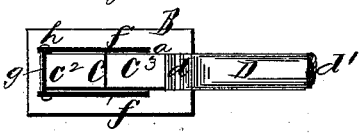
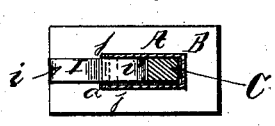


Fig. IV.



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UNITED STATES PATENT OFFICE.

MARTIN J. HURD, OF ROCHESTER, MINNESOTA.

IMPROVEMENT IN WAGON-JACKS.

Specification forming part of Letters Patent No. **201,529**, dated March 19, 1878; application filed September 20, 1877.

To all whom it may concern:

Be it known that I, MARTIN J. HURD, of Rochester, Olmsted county, and State of Minnesota, have invented a new and useful Improvement in Wagon-Jacks; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention consists of employing two bands, pivoted to a hollow standard, for the purpose of supporting a movable fulcrum, as hereinafter described, and specifically pointed out in the claim.

To the outer ends of these bands is fastened an axle, to which is fulcrumed a lever. The axle and the said bands are supported by aid of lugs cast on the said standard, and provided with seats, in which the said axle rests when the lever is in operation. To the standard, above the said bands, are cast stops, for preventing the bands from being lifted too high when the lever is raised for the purpose of disengaging it from the operative part of the wagon-jack.

In order to more fully describe my invention, I refer to the accompanying drawings, of which—

Figure I is a side elevation, and Fig. II is a sectional elevation. Fig. III is a plan view. Fig. IV is a plan sectional view taken on the line *x x*, Fig. I.

A is the casing or hollow standard, open on side *a*, and provided with lugs *b* b^1 and foot-piece B. C is a toothed bar or rack placed in the casing A, and provided at the top with two steps or rests, c^2 c^3. D is the lever, with the segmental toothed head *d* and arm *d'*. This lever is fulcrumed on the pin or axle *e*, and is held in position by two bands, *f f*, which are pivoted or hinged to the closed side *g* of the casing at *h*.

I is a dog, which is fulcrumed at the open side of the casing to the lugs *j j* at *k* on the pin *l*. The dog is provided with two arms, *i i'*. The arm *i'*, which enters the ratchet-teeth of the bar C, is made heavier than the arm *i*, for the purpose of causing the said dog to habitually drop against the bar C, and thus act automatically.

The lugs *b* b^1 are provided with sockets b^2 b^3, into which rests the fulcrum-pin or axle *e* when the bar is raised, so that the teeth of the head of the lever will enter into the teeth of the said bar C.

When the bar C is to be lowered the lever is raised up as far as the stop *n* will permit the bands *f f* to rise, which movement releases the teeth of the lever from the teeth of the bar C.

The upper half of the bar C is provided with cog-teeth *c*, and the lower half with ratchet-teeth c^1. The teeth *c* are for the teeth of the lever, and the teeth c^1 for the dog.

Having thus described my invention, I desire to claim—

The bands *f f*, in combination with the lever D, axle *e*, stop *n*, casing A, with lugs *b* b^1, having sockets b^2 b^3, substantially as and for the purpose set forth.

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