T. J. REAMY.

Trucks for Moving Buildings.

No. 134,930. Patented Jan. 14, 1873.

Fig. 1.

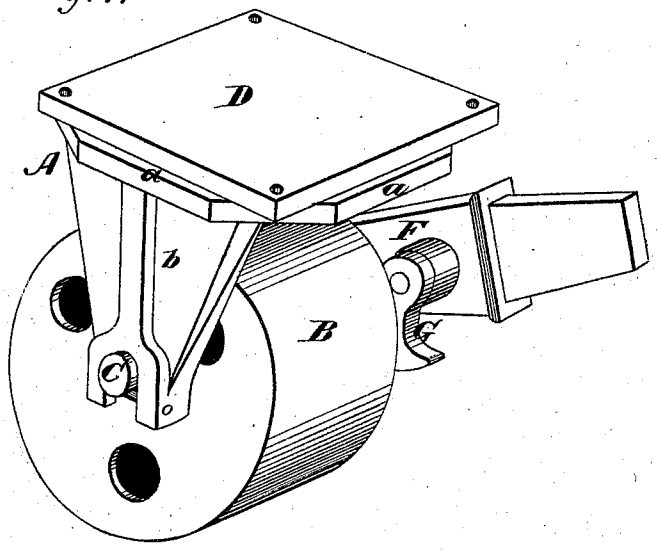
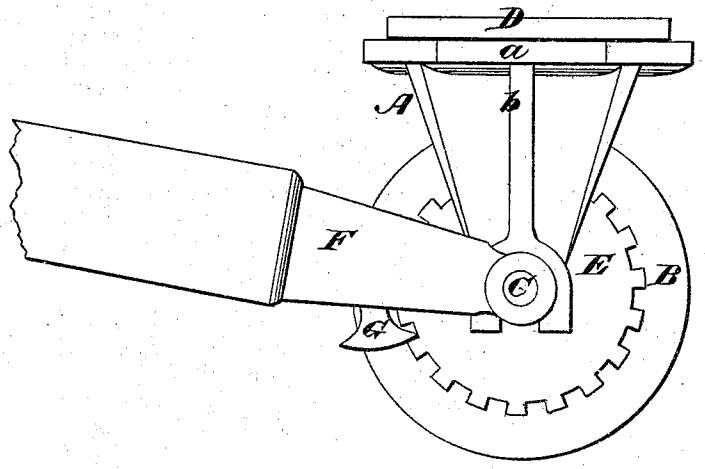


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

THOMAS J. REAMY, OF TARBOROUGH, NORTH CAROLINA.

IMPROVEMENT IN TRUCKS FOR MOVING BUILDINGS.

Specification forming part of Letters Patent No. **134,930**, dated January 14, 1873.

To all whom it may concern:

Be it known that I, THOMAS J. REAMY, of Tarborough, in the county of Edgecomb and State of North Carolina, have invented a new and Improved Truck for Moving Buildings; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a perspective view, and Fig. 2 is a side elevation.

Similar letters of reference in the accompanying drawing denote the same parts.

This invention relates to trucks for moving buildings and other heavy bodies; its object being to provide a truck which shall move the building or other body by a lever power applied directly to itself, and at the same time enable the building to be guided in any direction, the lever which turns the truck acting as a tiller to change the direction; and to this end it consists, mainly, of a truck or roller having bearings in lugs depending from a suitable frame or plate, and provided on one side with a ratchet and on its shaft with a lever, loosely attached and bearing a double pawl, which engages with the ratchet in such manner as to revolve it with the roller in either direction, and thereby move the building or other body, which rests upon a plate pivoted to the frame in which the roller is journaled, as I will now proceed to describe.

In the drawing, A represents a frame in which the roller B is journaled, said frame consisting of a strong metal plate, *a*, from the opposite sides of which depend ears or lugs *b*, which bear upon the shaft C of the roller B, as shown. To the plate *a* is pivoted a secondary plate, D, which constitutes the bearing on which the building rests. Between the plates D and *a* is interposed a circular row of balls, located in annular grooves in the proximate faces of the plates, thereby reducing the friction to the minimum when the frame A is turned under the pressure of a heavy building resting on the plate D. Upon one side of the roller B is located a ratchet, E, which is cast or otherwise rigidly affixed to it. F represents a lever, located upon the outer end of the shaft C, turning freely thereon and bearing on its inner side a double pawl or dog, G, which engages with the ratchet E in such manner as to revolve it in either direction.

It will be readily seen that by this arrangement under a building at suitable points and working the levers F of two or more of them the power applied will be sufficient to move the building without the aid of windlasses, oxen, horses, or any other power than that of the levers, which can be made of any desired length, and so applied as to revolve the rollers in either direction. At the same time the rollers can be turned in any direction independently of the building, as above described, the levers acting as tillers for this purpose.

A building can thus be easily transported in any direction and left in any desired position without the use of complicated machinery or cumbersome and inconvenient skids, rollers, windlasses, or other devices usually employed for this purpose.

My arrangement can also be used for moving ships. The entire height of the whole apparatus being but about twenty-two inches it can be introduced readily under the heaviest structure.

The parts are all constructed in the strongest possible manner, and its simplicity greatly enhances its strength and lessens its cost.

The roller B is cylindrical and turns on the shaft C, the latter being keyed rigidly to the lugs *b*.

What I claim as new is—

The roller B, provided with the ratchet E and located in the pivoted frame A, in combination with the lever F and double pawl G, substantially as and for the purpose specified.

THOMAS J. REAMY.

Witnesses:

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