

A. TAYLOR.

APPARATUS FOR LOADING WAGONS.

No. 179,972.

Patented July 18, 1876.

Fig: 1.

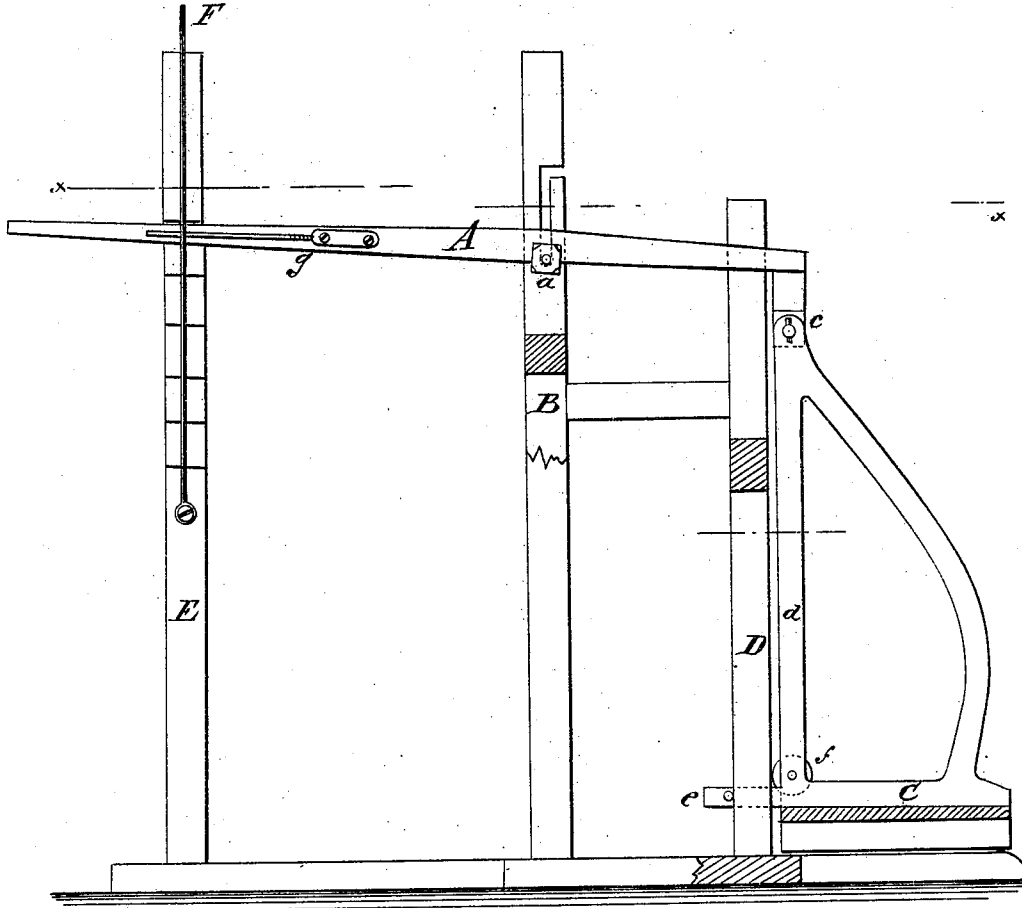
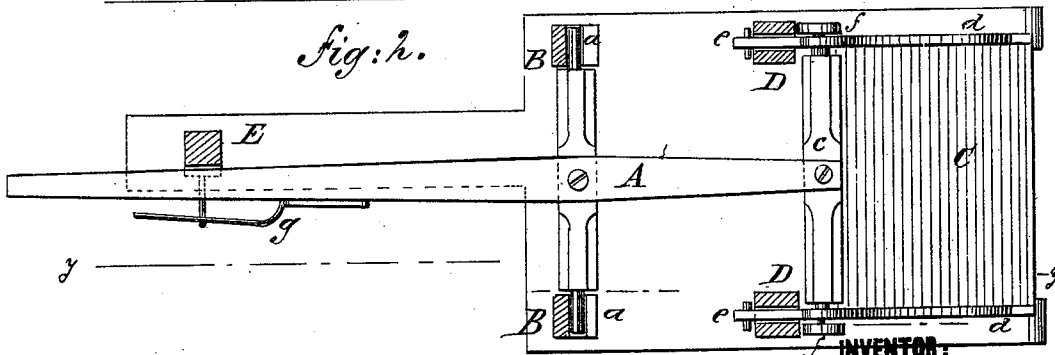


Fig: 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ANDERSON TAYLOR, OF FAIRVILLE, MISSOURI.

IMPROVEMENT IN APPARATUS FOR LOADING WAGONS.

Specification forming part of Letters Patent No. **179,972**, dated July 18, 1876; application filed June 20, 1876.

• *To all whom it may concern:*

Be it known that I, ANDERSON TAYLOR, of Fairville, in the county of Saline and State of Missouri, have invented a new and Improved Elevator, of which the following is a specification:

Figure 1 is a side elevation in section, taken on line *yy* in Fig. 2. Fig. 2 is a plan on line *xx* in Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention relates to that class of elevators which are used to raise heavy articles for loading wagons; and it consists in a lever supported on suitable frame-work, to the shorter end of which a platform is suspended, and the longer end engages with a ratchet, the whole so arranged that a heavy article placed on the platform may be raised to the required height, when it will be retained by the ratchet.

A is a lever, having its fulcrum at *aa* in the posts B B. A platform, C, is suspended from a cross-bar, *e*, which is attached to the short end of the lever A by the side pieces *d d*. Guides *ee* are attached to the platform C, and move in slots in the standards D D. Rollers *ff* are attached to the side pieces *d d*,

which bear against the standards D D. A ratchet bar or standard, E, is placed in such a position as to engage with the long end of the lever A, which is beveled on the under side to fit the ratchet. A bar, F, is attached to the ratchet-bar E in such a way as to leave room between it and the ratchet-bar for the lever A and a spring, *g*, which is attached to the lever A, and bears against the bar E.

Any load placed on the platform C may be raised to the required height by forcing the long arm of the lever down. The spring *g* causes the lever A to engage with the ratchet-bar, retaining the load.

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

1. The combination of the lever A, platform C, and ratchet-bar E, substantially as shown and described.

2. The combination of the guides *ee*, rollers *ff*, platform C, and standards D D, substantially as shown and described.

ANDERSON TAYLOR.

Witnesses:

JAMES A. ELDER,
P. Y. IRVINE.