

G. M. PATTEN.

Adjustable Grain-Wheels for Harvester-Platforms.

No. 134,610.

Patented Jan. 7, 1873.

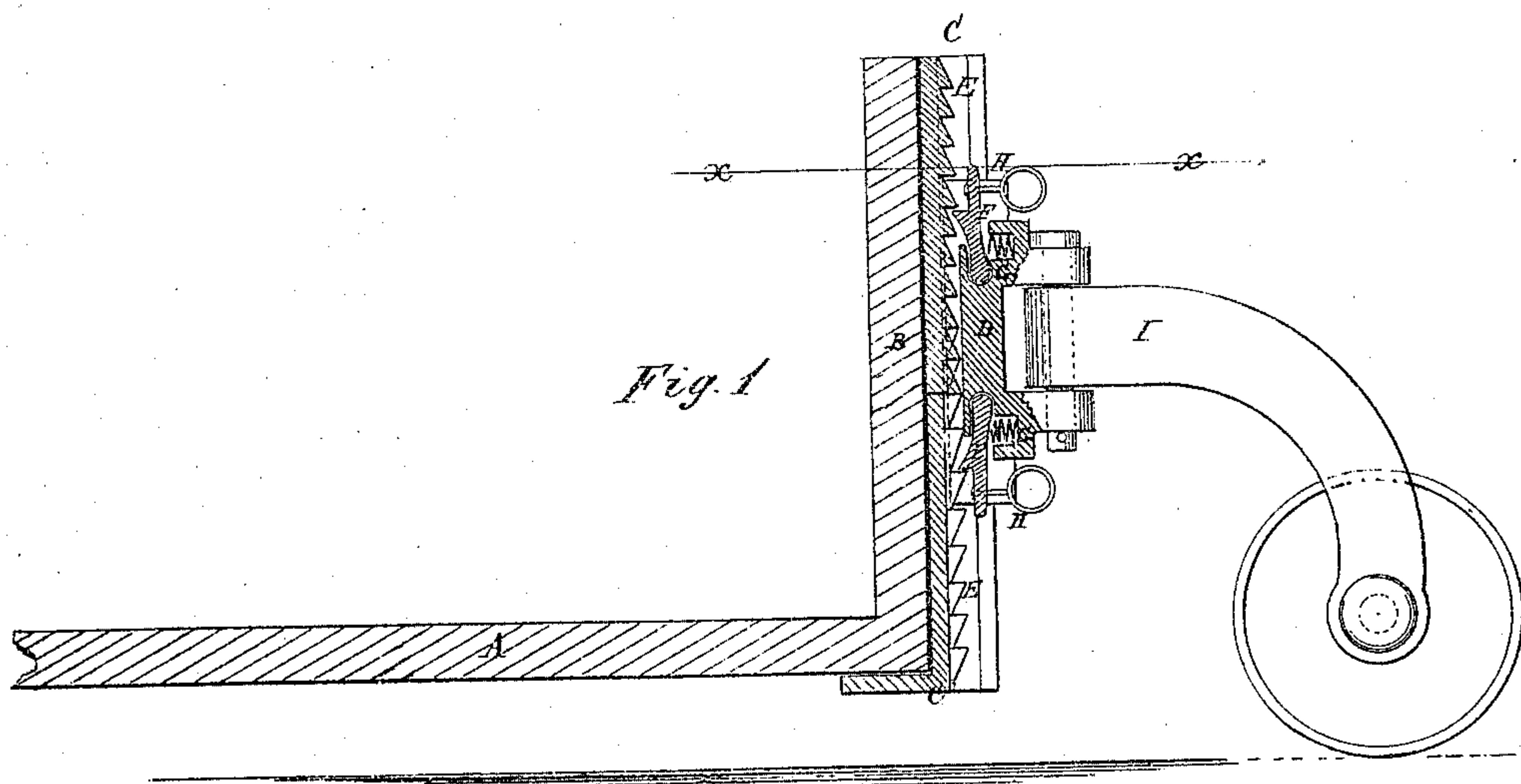
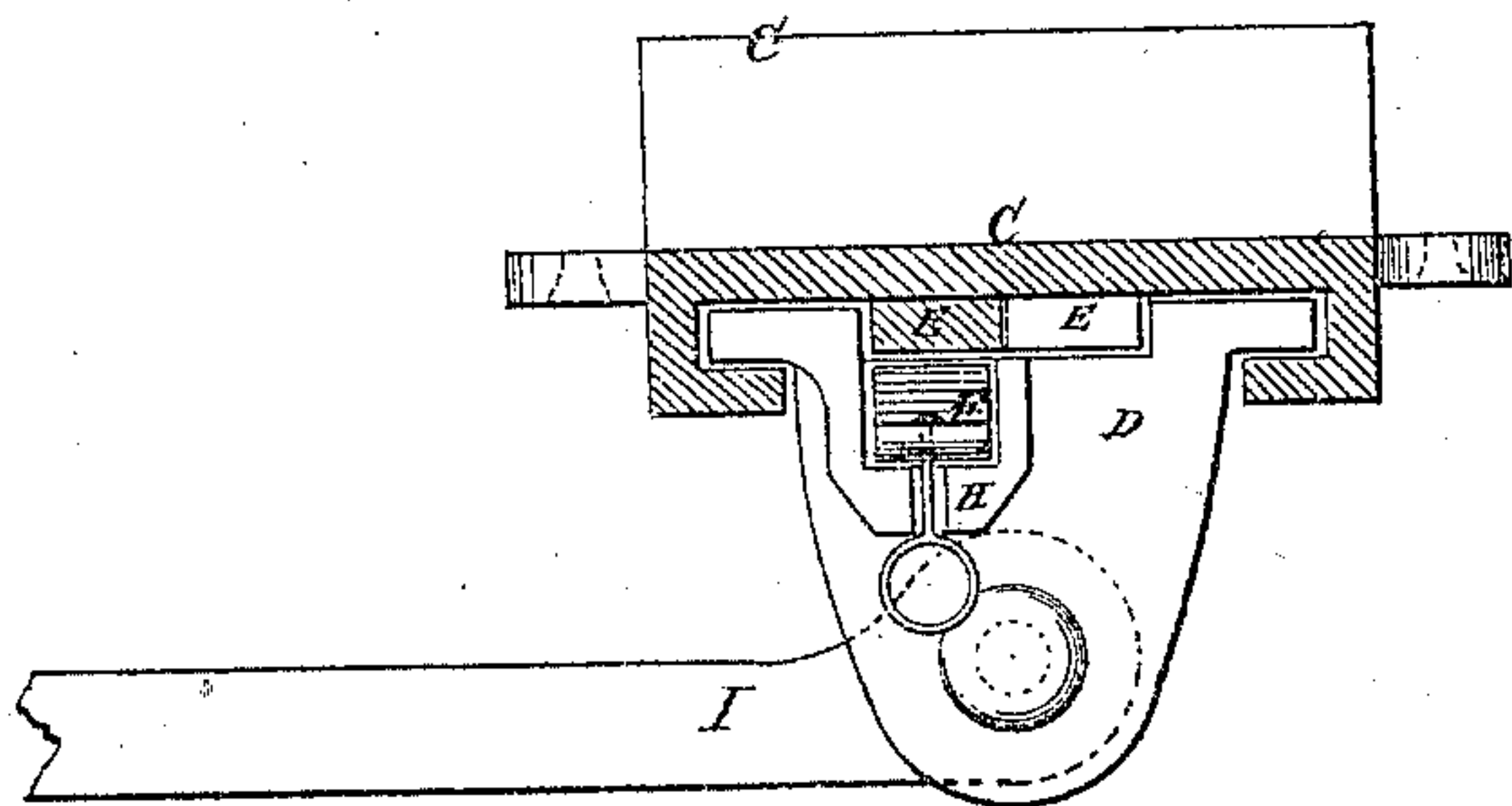


Fig. 2



Witnesses:

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# UNITED STATES PATENT OFFICE.

GEORGE M. PATTEN, OF AUBURN, NEW YORK.

## IMPROVEMENT IN ADJUSTABLE GRAIN-WHEELS FOR HARVESTER-PLATFORMS.

Specification forming part of Letters Patent No. 134,610, dated January 7, 1873.

*To all whom it may concern:*

Be it known that I, GEORGE M. PATTEN, of Auburn, in the county of Cayuga and State of New York, have invented a new and useful Improvement in Adjustable Connection for the Supporting-Wheel of Harvester-Platforms, of which the following is a specification:

In the accompanying drawing, Figure 1 is a detail vertical section of my improved device, shown as attached to a harvester-platform, and the wheel being turned outward to show the construction; and Fig. 2 is a top view of the same, partly in horizontal section, through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved device for connecting the supporting-wheel of a harvester-platform with said platform, in such a way that the platform may be conveniently raised and lowered, and securely held when adjusted; and it consists in the construction and combination of the various parts of the connection, as hereinafter more fully described.

A represents the platform, and B the upwardly-projecting flange formed upon its outer end. To the flange B is securely bolted an upright plate, C, having a grooved flange formed upon each of its side edges to receive the flanges formed upon the side edges of the face of the block D. Upon the face of the plate C are formed sets of ratchet-teeth, E, the lower set pointing upward, and the upper set pointing downward. In recesses in the opposite ends of the block D are placed pawls F, which are held down upon the ratchet-teeth E by coiled springs G placed in recesses in the end parts of the block D, and which press

against the outer sides of the pawls F. By this construction one of the pawls F holds the block D from moving upward, and the other holds it from moving downward. To the outer ends of each of the pawls F is pivoted a stem or rod, H, which passes outward through a slot in the end parts of the block D, and has a ring or cross-head formed upon its outer end, which, when the pawl F is engaged with the ratchet E, rests longitudinally in the slot in the end of the block D.

When it is desired to move the block D in either direction, the pawl F at that end of the block D is raised, and the ring or cross-head of the stem H is turned across the slot in the said block, which holds the pawl away from the ratchet-teeth.

To the block D is pivoted or attached the standard I of the wheel that supports the outer end of the platform, according as it is desired to use a caster or rigid wheel. This construction enables the platform to be conveniently raised and lowered to adjust it as may be required.

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

The flanged plate C provided with two sets of ratchet-teeth, E, pawls F, springs G, pivoted stems H, and flanged block D, in combination with each other, substantially as herein shown and described, to adapt them for attachment to a harvester-platform, as and for the purposes set forth.

GEORGE M. PATTEN.

Witnesses:

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