

P. C. Ingersoll.

Cotton Press.

N^o 39,365.

Patented July 28, 1863.

Fig. 1.

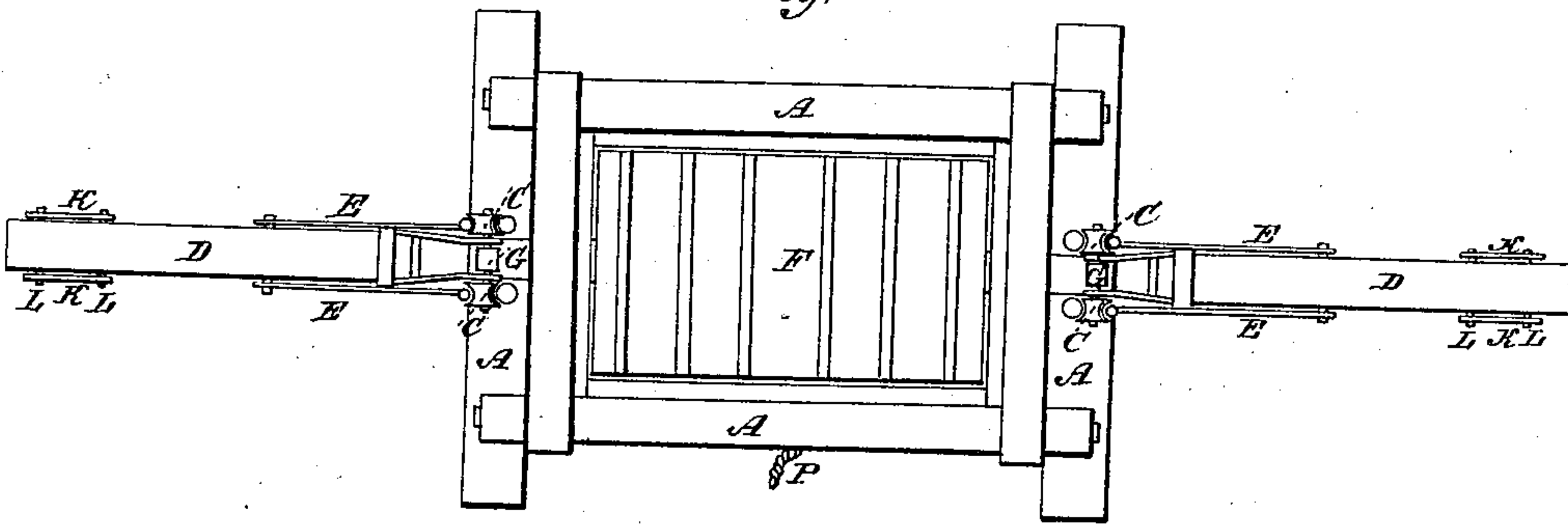
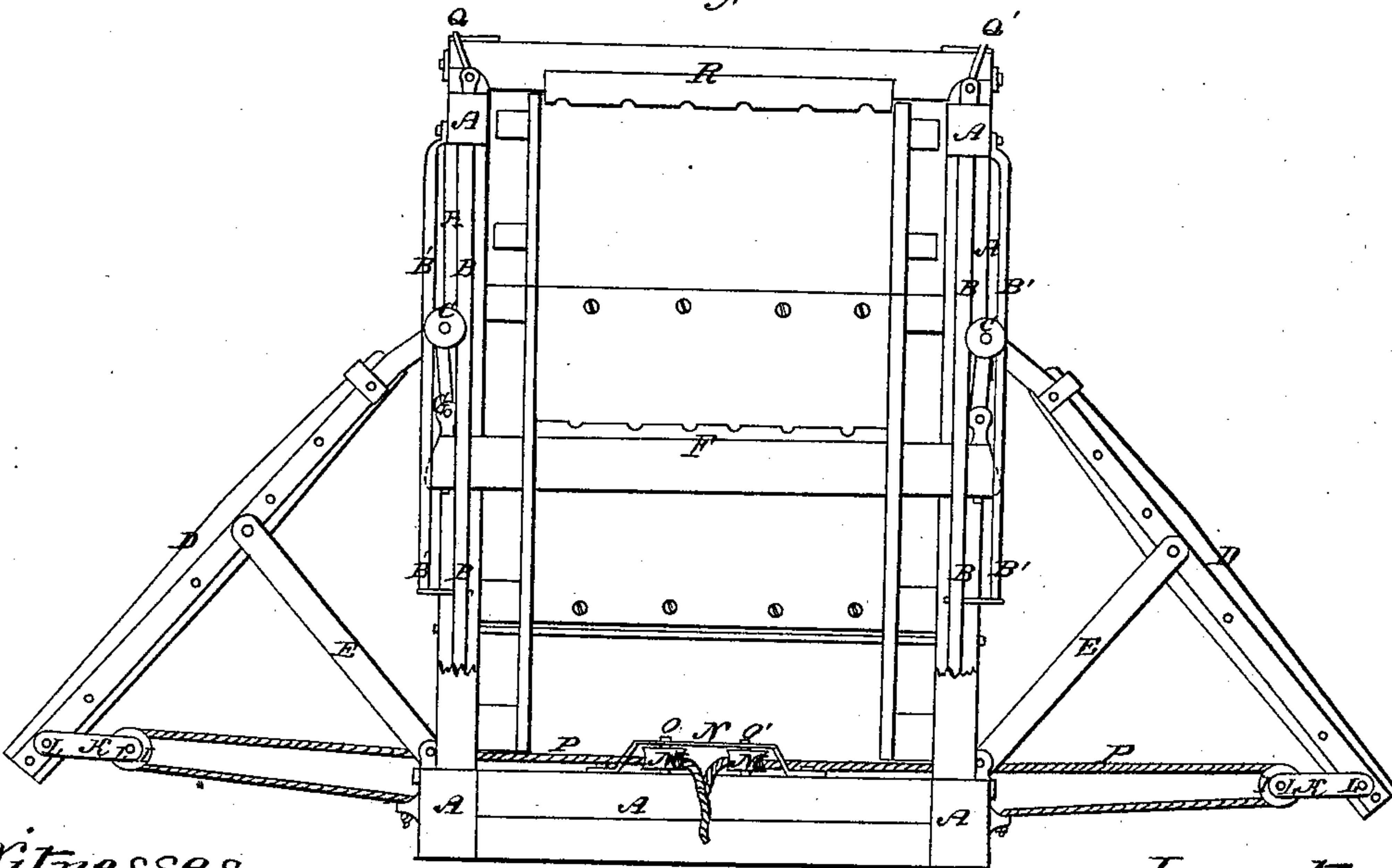


Fig. 2.



Witnesses.

Timothy Perry.
Josiah Palmer.

Inventör:

Platt & Ingersoll.

UNITED STATES PATENT OFFICE.

PLATT C. INGERSOLL, OF GREEN POINT, NEW YORK, ASSIGNOR TO HIMSELF AND H. F. DOUGHERTY, OF SAME PLACE.

IMPROVEMENT IN HAY AND COTTON PRESSES.

Specification forming part of Letters Patent No. 39,365, dated July 28, 1863.

To all whom it may concern:

Be it known that I, P. C. INGERSOLL, of Green Point, in the county of Kings and State of New York, have invented a new and useful improvement in arrangement and construction of toggle-levers to raise and lower the followers of hay, cotton, and other presses; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a plan view of a press with the top removed; Fig. 2, a longitudinal elevation with one side removed.

A is the frame of the press, to which is secured guide-rods B' B', which guide and control grooved friction-rollers C upon the ends of levers D, which levers are hung at their centers to frame A by levers E. Platen or follower F is attached to levers D by rods and joints G to pivots H, that secure friction-rollers C to levers D. Friction-rollers I upon the lower ends of lever D are secured and held in place by levers K and pivots L. Grooved friction-rollers M are held firmly to frame A by arched stirrup N and axles O O'.

P are ropes or chains to operate the press.

Q Q' are stirrups for securing platen or top door, R, in its position.

Operation: The ropes P may be worked (by a wheel, a capstan, or in any known way) to operate levers D and E, that move the follower F.

The arrangement of levers D and E upon both ends of the press, and the arrangement and attachment of the levers to each other and to the frame A and follower F, in the position and proportion shown, possess advantages over any heretofore constructed for the purposes designated.

What I claim as my invention, and desire to secure by Letters Patent, is—

Connecting the levers D D to each end of the follower F by means of the two connecting-rods and joints G G, and also controlling the movement of the said levers by the friction-rollers H H, and the outside rods, B' B', as shown, and for the purposes before specified.

PLATT C. INGERSOLL.

Witnesses:

TIMOTHY PERRY,
H. F. DOUGHERTY.