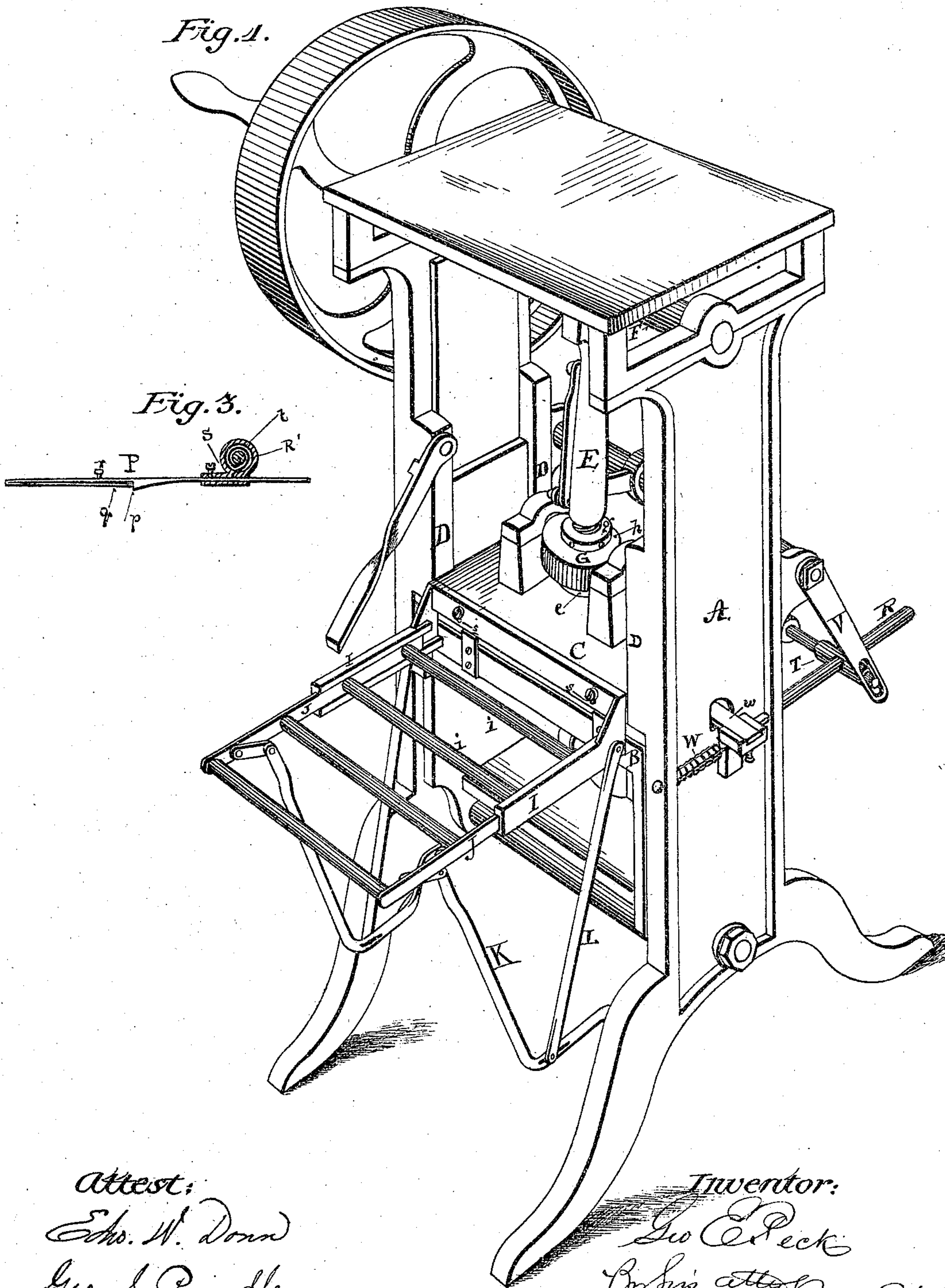


G. E. PECK.
Card and Ticket Printing-Presses.
No. 143,780. Patented Oct. 21, 1873.



Attest:
Edw. W. Dunn
Geo. S. Prindle

Inventor:
Geo. E. Peck
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Fig. 2.

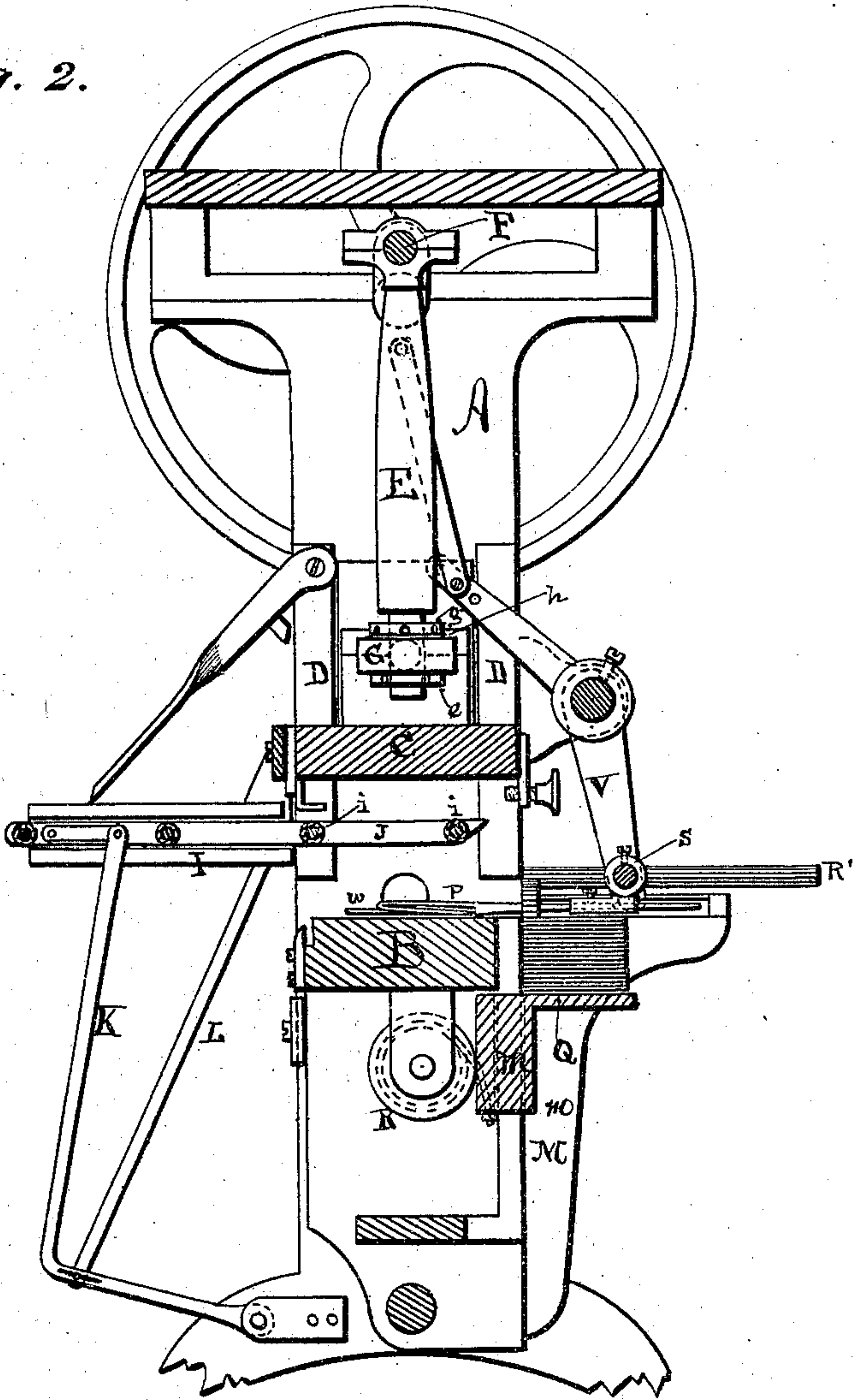
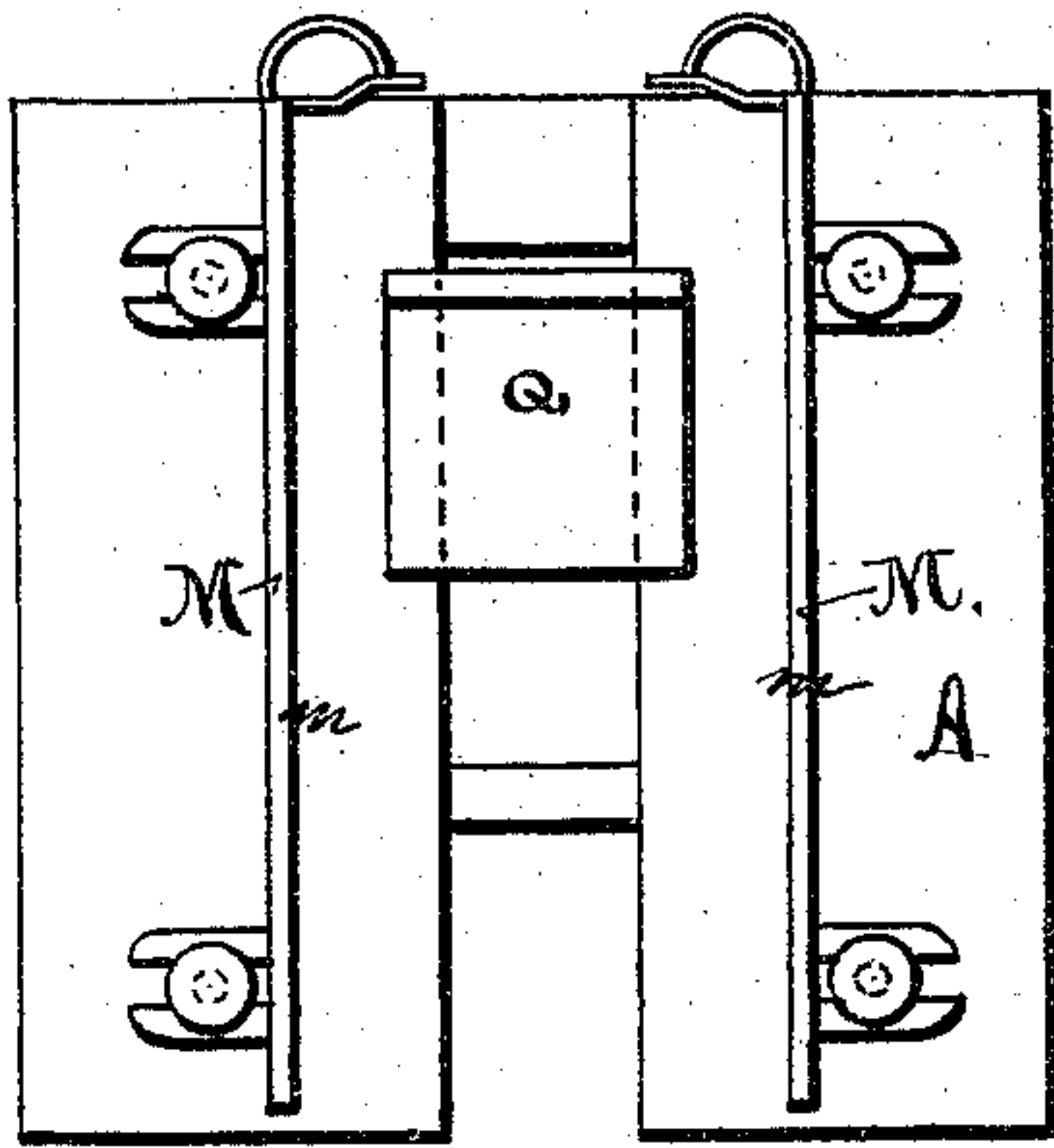


Fig. 4.



Attest:

Edw. H. Down

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UNITED STATES PATENT OFFICE

GEORGE E. PECK, OF DU QUOIN, ILLINOIS.

IMPROVEMENT IN CARD AND TICKET PRINTING PRESSES.

Specification forming part of Letters Patent No. 143,780, dated October 21, 1873; application filed April 21, 1873.

To all whom it may concern:

Be it known that I, GEORGE E. PECK, of Du Quoin, in the county of Perry and State of Illinois, have invented a new and useful Improvement in Ticket-Printing Presses; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my press. Fig. 2 is a longitudinal section of the same. Fig. 3 represents one of the feeders detached. Fig. 4 is a partial rear elevation.

These improvements relate to the general structure and arrangement of a printing-press adapted particularly to the printing of cards, tags, envelopes, &c.

That others may fully understand my improvements, I will particularly describe them.

My press has a strong and solid metallic frame, A, with a stationary platen, B, and a moving bed, C, upon which the form is placed and locked fast. The bed C moves up and down between guides D, and is actuated by a pitman, E, worked by a crank, F, the connection between said pitman and bed being by means of a tumbling-box, G. The inking-table I is attached to the bed C, and moves up and down therewith, and the ink-rollers *i*, one or more, are mounted in a reciprocating frame, J, which moves in guides attached to the said inking-table. The proper reciprocation of said roller-frame is produced by a compound lever, K L, the part K having its fulcrum stationary at the bottom of the frame A, and its upper end jointed to the reciprocating frame J, while the part L is jointed to the ink-table, near its junction with the moving bed C, and its lower end is jointed to the lever K, so that as the bed C sinks the lever K is moved outward and carries the frame J and roller with it, and when the bed rises the reverse motion of said lever and frame is produced. The adjustment is such that when the bed is at its lowest point the frame J is withdrawn to its utmost, and has carried the rollers over the ink-tablet. From this point the bed rises as the crank F is revolved, and the rollers are thereby moved forward over the ink-table and form, and as the bed sinks again they are withdrawn to the first position, and thereby the inking-rollers trav-

erse the form twice for each impression. The inking-table is made adjustable by means of screws and slots *s*, so that it can be brought accurately correct in respect to the level of the form. The joint between the parts K and L is made adjustable along the part K, and the distance traveled by the rollers may thereby be varied, as may be desirable. The position vertically of the bed C may be adjusted by means of set-nuts *e g*, whereby the pitman E is lengthened or shortened; and for the purpose of imparting a certain elasticity to the pressure in taking the impression, an elastic washer, *h*, is placed between the nut *g* and the tumbling-box G. This washer may be of elastic gum; or it may be a metallic spring; and its tension may be increased or diminished by turning the nut *g* forward or backward. This press is intended to feed itself automatically, the holder being charged with cards, &c. The card-holder is a frame, M, the sides *m* of which are adjustable toward or from each other, so as to be adapted to cards, &c., of any length. The top of the holder, upon which the cards rest, consists of a slat, *n*, connected to each of the side pieces *m* at the ends only by means of stirrup pieces *o*, so that there is a longitudinal space between said slat and the side piece *m*, within which the feeders P move back or forth. A pressure-board, Q, actuated by a spring, R, or an equivalent weight, rests upon the bottom of the pile of cards, and feeds them constantly upward as the one at the top is moved over the platen. The feeder P consists of a long finger with a shoulder, *p*, adjustable as to depth by a guard-plate, *q*, which may be raised as desired by a spring, *r*. The feeders P are mounted upon sleeves *s*, which fit and slide upon a rod, R', so that they may be moved toward or from each other as the card-holder sides *m* are adjusted. Coiled springs *t* are always under tension to throw downward inner ends of the feeders, and keep them constantly in contact with the top of the pile of cards. The rod R' is itself mounted upon a sleeve, I, at or near each end, and said sleeves fit and slide upon guide-rod U; and said rod R' is actuated by a slotted lever, V, which receives motion from the crank F or pitman E.

The operation of said lever V is to cause the

rod R to slide back and forth, and reciprocate the feeder P at each forward movement of said feeders. The shoulders P engage with the edge of the uppermost card of the pile, and convey it forward over the platen, where it is received and held by spring-clips W, by which it is held while the impression is being made.

The guard-plate *g* is adjusted so that the depth of the shoulder *p* will not exceed the thickness of the card to be moved.

When the impression has been made the printed card will be pushed out of the way by the next succeeding one; and it may be received upon any conveyer or receptacle required and conveyed thereby without the machine.

Having described my improvement, what I claim as new is—

1. The moving bed C, crank F, pitman E,

and elastic washer *h*, constructed and combined substantially as set forth.

2. The combination of a moving bed C with an adjustable ink-table, attached to and moving therewith, and the lever K, jointed at one end to a stationary part of the frame, and at the other linked to the ink-roller, with the connection-rod L jointed to said moving bed and lever K, as and for the purpose set forth.

3. The card-holder M, constructed with plates *m* made laterally adjustable, the pressure-board Q, and the compressing-spring R, substantially as set forth.

In witness whereof I hereunto set my hand.

GEO. E. PECK.

In presence of—

G. D. PUGH,

DAVID KAVNAUGH.