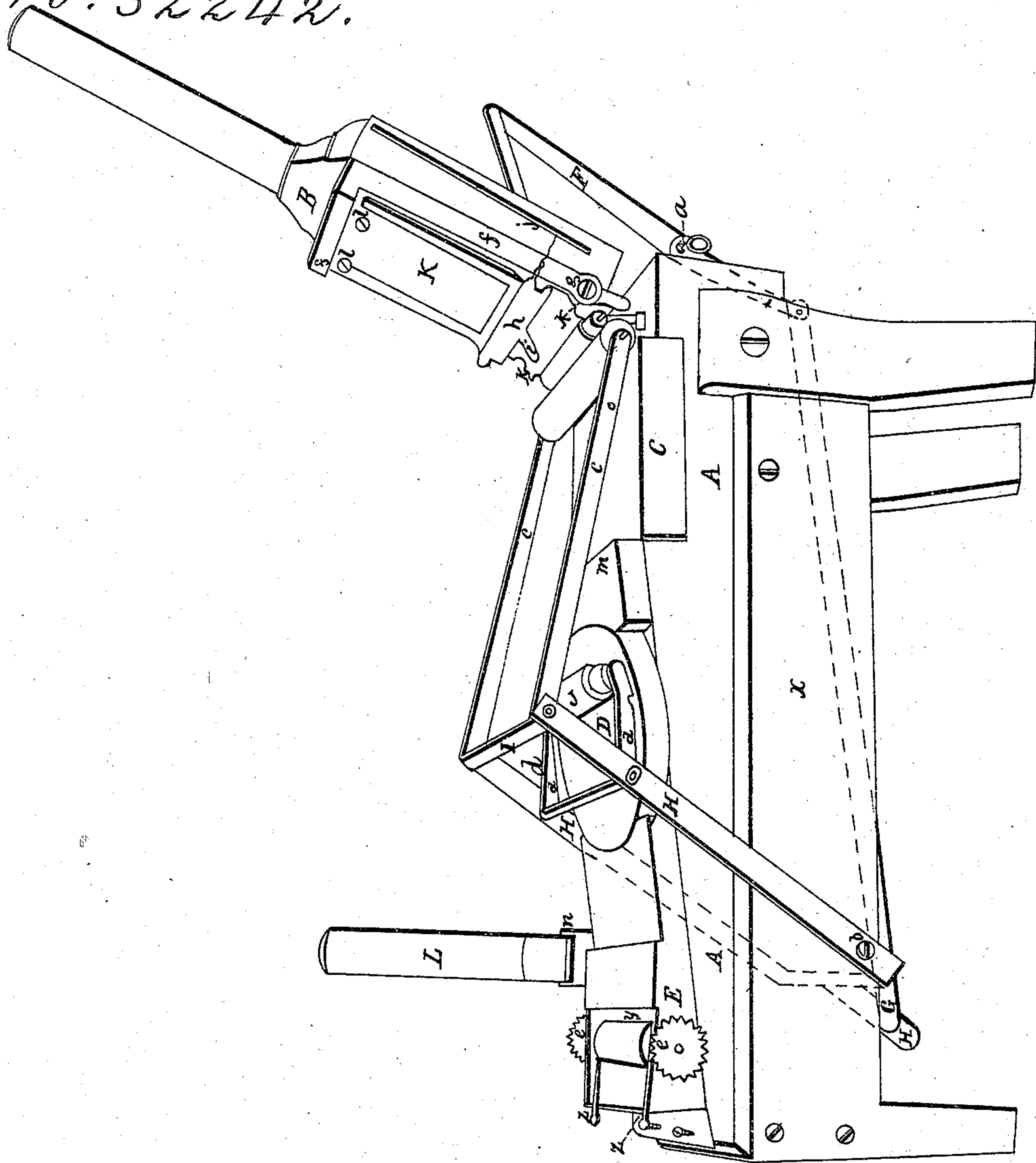


G. R. Dean.
Hand Printing Press.

No. 1,238.

Patented May 7, 1861.

No. 32242.



Witnesses:

John J. Phelps,
Geo. W. Scofield.

Inventor:

George R. Dean

UNITED STATES PATENT OFFICE.

GEORGE R. DEAN, OF MAYVILLE, NEW YORK.

PRINTING-PRESS.

Specification of Letters Patent No. 32,242, dated May 7, 1861.

To all whom it may concern:

Be it known that I, GEORGE R. DEAN, of Mayville, in the town and county of Chautauqua, State of New York, have invented a new and useful Machine for Printing, it being a Self-Inking Card and Job Printing Press, which I style the "Chautauqua Jobber;" 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 drawing, making a part of this specification.

A A, is the bed piece properly mounted upon legs with side boards *a* on each side for the attachment of the roller levers H H; B is the impression lever attached to the bed-piece either by stationary or adjustable hinges of sufficient strength; C is the bed, which is to be fitted up in any convenient manner for receiving and properly holding the type forms, and is to be made adjustable so as to regulate the impression, by means of screws passing up through the bed-piece, and is to be provided with roller-bearers to carry the ink rollers smoothly and evenly over the type D is a rotary distributing table with a spindle passing down through the bed piece A, to which is attached a ratchet wheel; E is an ink fountain made separate (or if desirable in connection) and may be fastened to the bed piece in any convenient manner; F is an oscillating lever attached to the impression lever by an arm and hinge, and swings in an eye at *a*. To the lower end of this lever is attached a connecting rod G which operates upon the forked lever H H H which swings on a pinion at *b*, and to the upper ends of which is attached the roller stock I, which carries the ink rollers (one or more may be used) over the type—the rollers being either attached to the arms *c c*, or be placed upon a carriage, the arms *c c* operating upon that; to the levers H H there is also attached a fountain roller J which runs back to the ink fountain, the notches upon the arms *d d* operating upon the ratchet wheels *e e* of the fountain cylinder, bringing up a supply of ink at every impression and carrying it up to the distributing table where it is received by the type rollers.

To regulate the supply of ink, the fountain is furnished with a scraper *y* adjustable by screws *z z* passing over the pinions of the fountain cylinder into it. To the oscillating

lever F there is also attached a ratchet just above where the connecting rod G is attached, which operates upon the ratchet wheel of the distributing table, giving it a rotary movement at every motion of the lever K.

Upon the impression lever is the tympan or platen of the press, and is to be covered with blankets as necessary. The blankets are held to their place by the band *f f* swinging open to receive them upon the screw *g* on each side.

Upon the face of the band *f* there are pivot holes on either side in which the legs of the card catcher *h* rest. The card catcher or nipper rocks on these legs and is raised to receive the card or sheet, by pressing down upon the thumb piece *i*. The nipper is held in its place by a spring *j* on each side of the lever. If desirable for circular or other work, the card catcher may be removed and a frisket attached at the points *k k*. To regulate the impression after the bed has been properly adjusted, there are impression screws *l l* set in the impression lever to strike upon the bed-piece or a part of the distributing table at *m* thus acting as bearers. To get more power than can be obtained by a single lever the lever L is attached to the side of the press with a joint at *n* to be brought down across the end of the impression lever.

To operate the machine bring down the lever and the type rollers will pass over the form and run down upon the distributing table out of the way, while the fountain roller will run down to the fountain and take ink. Raise the lever and the type rollers will run up over the type, and the fountain roller up to the distributing table, and be prepared to make another journey as the lever is again brought down.

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

The arrangement of the roller levers H, H, roller J, arms *c, c*, type roller, rotary inking table D, bed C, lever F, and rod G, with each other and with the hinged impression levers B, L, in the manner and for the purpose herein shown and described.

GEORGE R. DEAN.

Witnesses:

JOHN F. PHELPS,
GEO. W. SCOFIELD.