

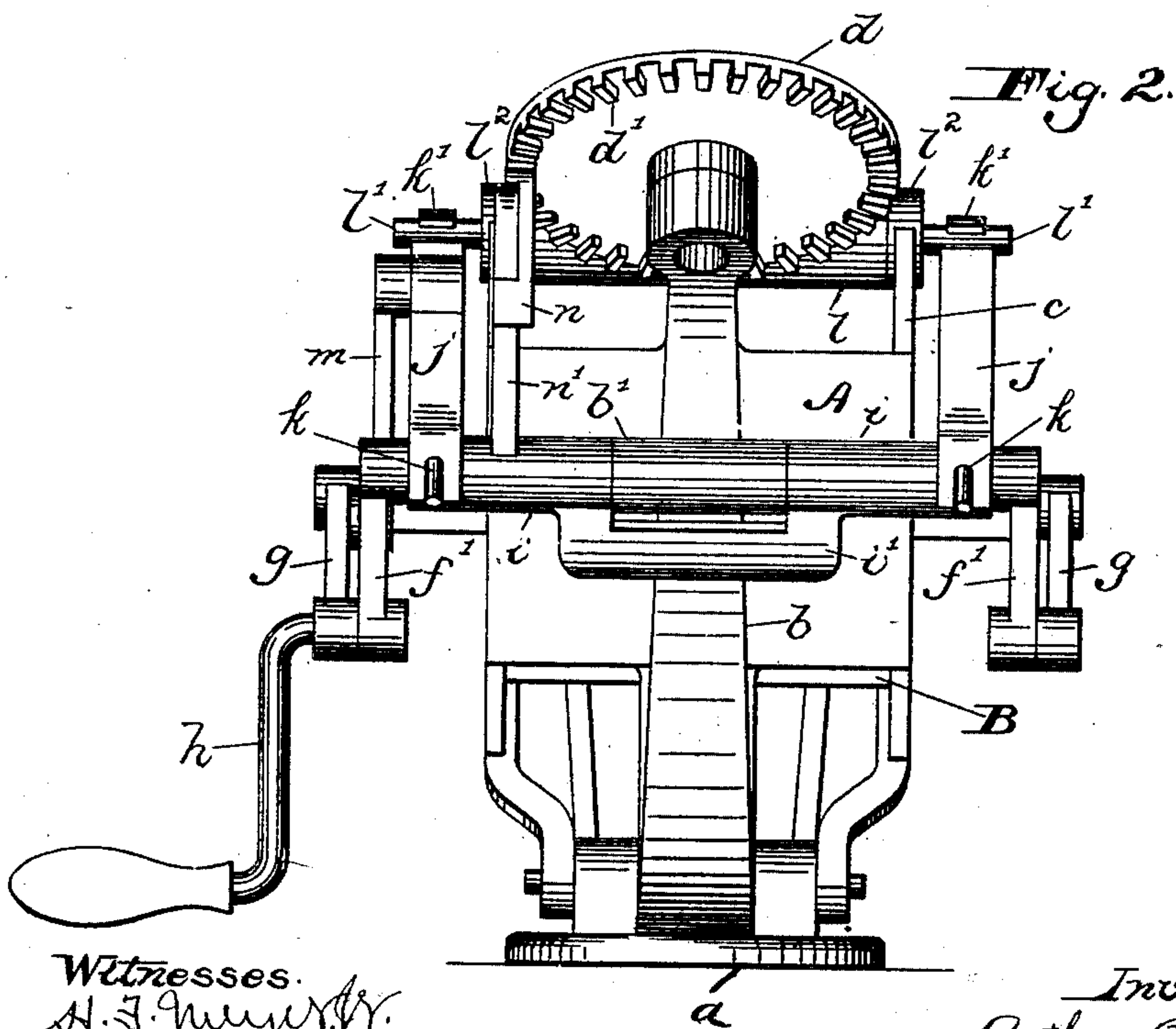
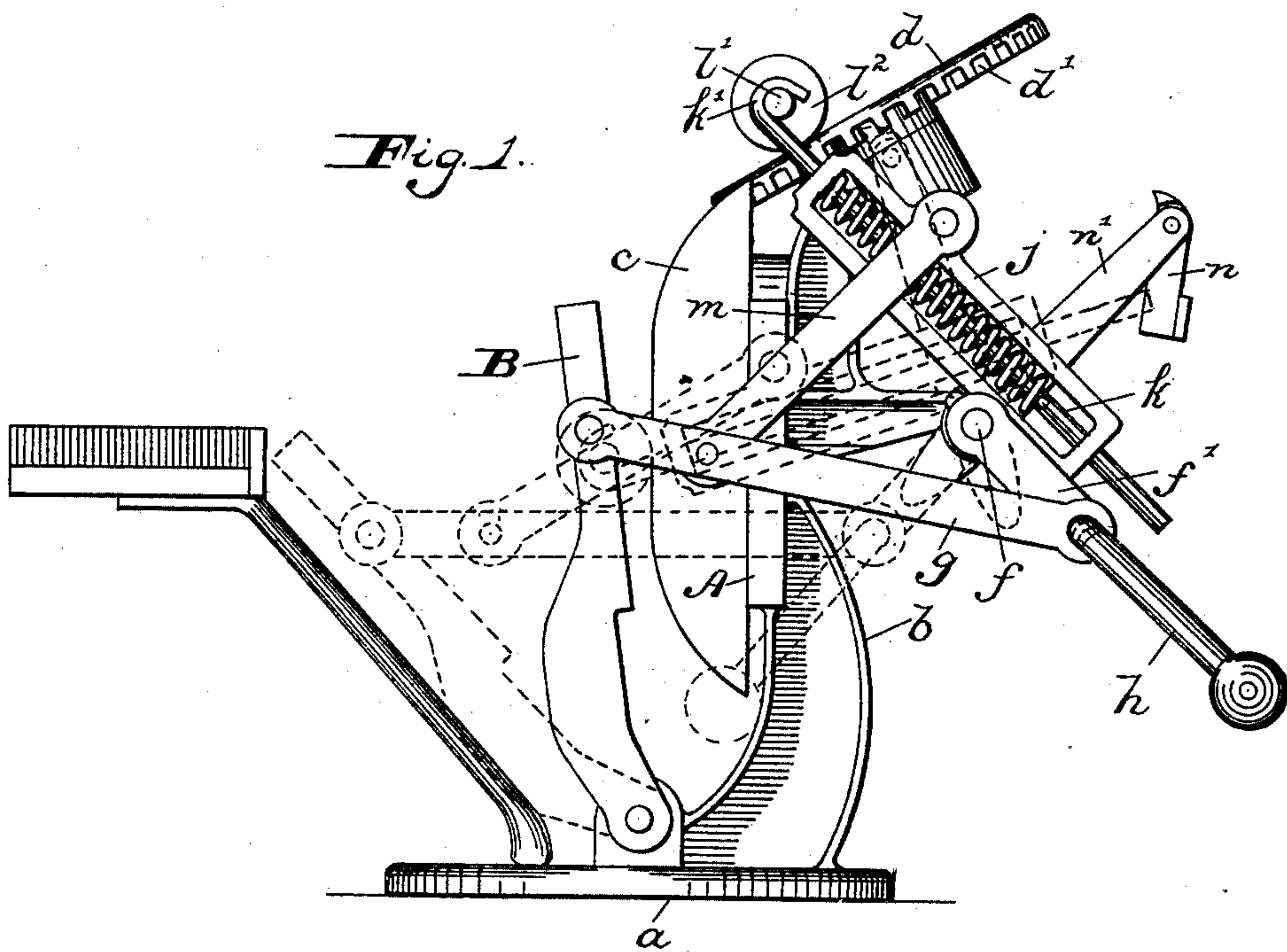
No. 716,624.

Patented Dec. 23, 1902.

A. B. CARROLL.
PRINTING PRESS.

(Application filed Mar. 24, 1902.)

(No Model.)



Witnesses.
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UNITED STATES PATENT OFFICE.

ARTHUR B. CARROLL, OF BALTIMORE, MARYLAND, ASSIGNOR TO BAUMGARTEN AND COMPANY, OF BALTIMORE, MARYLAND, A FIRM.

PRINTING-PRESS.

SPECIFICATION forming part of Letters Patent No. 716,624, dated December 23, 1902.

Application filed March 24, 1902. Serial No. 99,559. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR B. CARROLL, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Printing-Presses, of which the following is a specification.

This invention relates to printing-presses, particularly to that class of presses provided with a platen mounted to rock toward and from a stationary bed over which an oscillating inking-roller is moved.

The invention consists of certain improvements in the mechanism for rocking the platen and oscillating the inking-roller, as hereinafter fully described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of the printing-press, illustrating two different positions of the parts in full lines and dotted lines, respectively; and Fig. 2 is a rear elevation thereof.

Referring to the drawings, the letter *a* designates the base of the press, and *b* designates a standard rising from said base and which supports the stationary bed *A* and its curved inking-roller guides *c*, and on the upper end of said standard is mounted the rotary inking-plate *d*, provided on its under surface with the usual pawl-engaged teeth *d'*.

The letter *B* designates the platen of the press, pivoted at its lower end to rock toward and from the stationary bed *A*.

The standard *b* is provided on its rear side with a tubular boss *b'*, in which a shaft *f* is mounted to rotate, and said shaft is provided at each end with a crank *f'*, which cranks are connected to the sides of the platen by rods *g*. A handle *h* is secured to one of said cranks, whereby to rotate the shaft *f* and rock the platen *B* toward and from the bed *A*. Mounted to partially turn on said shaft *f* is a tubular spindle *i*, provided with a portion *i'*, bridging said boss *b'*, and rigidly secured to said spindle are two frames *j*, in which are mounted sliding spring-pressed gripping-rods *k*, each provided at one end with a hook *k'*,

intended to take over one end of the spindle *l'* of an inking-roller *l*. The said roller is provided at each end with an antifriction ring *l'*, adapted to roll along the curved guides *c*.

In order to oscillate the inking-roller *l* over the stationary bed *A* and over the inking-plate *d*, one of the frames *j* is connected by a link *m* to one of the connecting-rods *g* intermediate of the ends of the latter, and in order to intermittently turn the inking-plate *d*, so that it will present different portions of its inked surface to the inking-roller, a rocking pawl *n* is provided, said pawl being carried by an arm *n'* on the tubular spindle *i*.

In practice the handle *h* is revolved, which rocks the platen *B* toward and from the stationary bed *A*, and at the same time the link *m*, connected to one of the rods *g*, partially rotates the tubular spindle *i* back and forth, thereby carrying the inking-roller down over the type-form on the bed *A* as the platen is moved away from the latter and then carrying the said roller up over the inking-plate.

The press herein shown and described is particularly designed as a toy press for printing small articles, such as calling-cards and the like.

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

A printing-press, comprising a standard; a bed supported on said standard; a platen mounted to rock toward and from said bed; a rotary shaft supported by said standard and provided at each end with a crank; rods connecting said cranks with said platen; a tubular spindle mounted to partially rotate on said shaft; two frames secured rigidly to said tubular spindle and connected by a link to one of said connecting-rods; and an inking-roller carried by said frames, as set forth.

In testimony whereof I affix my signature in the presence of two witnesses.

ARTHUR B. CARROLL.

Witnesses:

CHARLES L. VIETSCH,
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