

No. 672,890.

Patented Apr. 30, 1901.

B. S. CREAMER.

INKING ATTACHMENT FOR PRINTING PRESSES.

(Application filed Nov. 27, 1900.)

(No Model.)

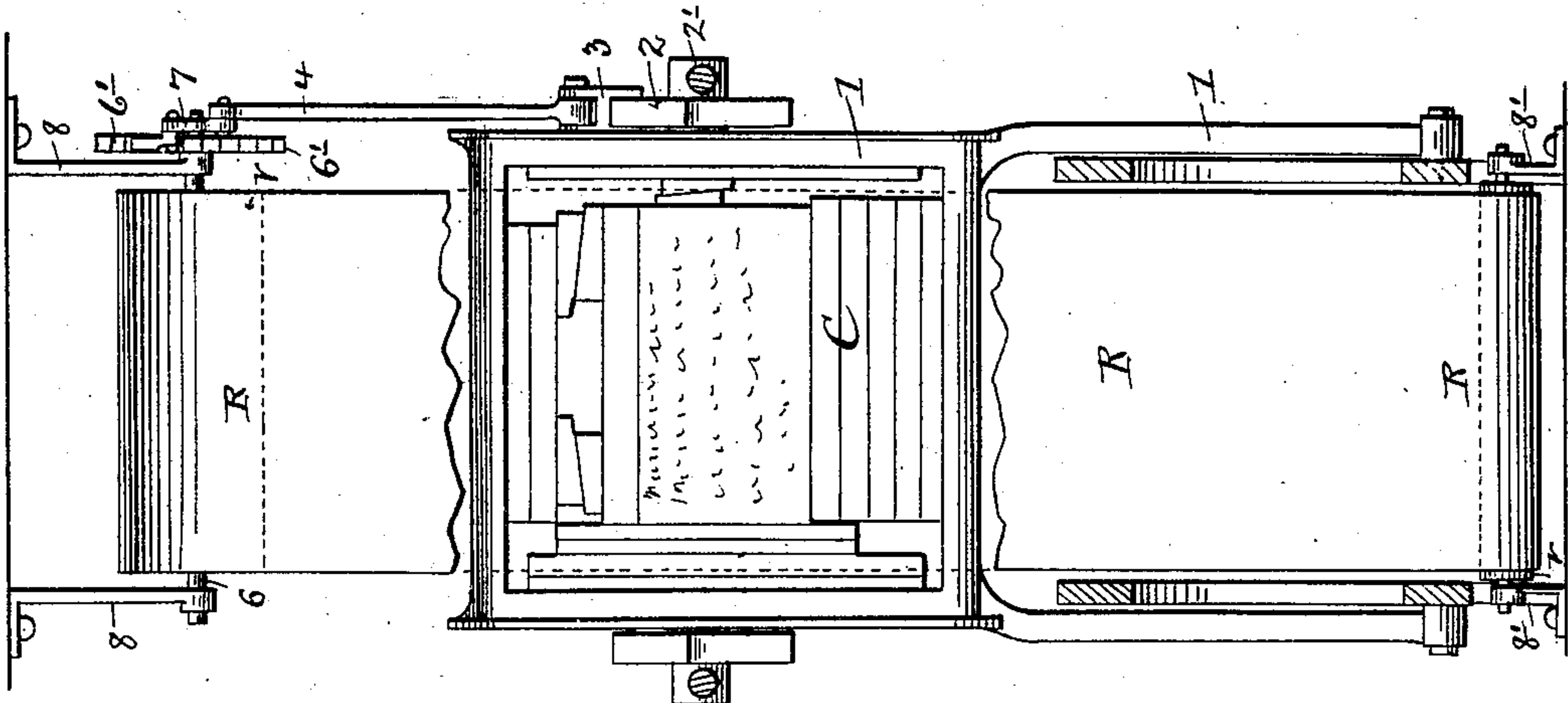


Fig. 2.

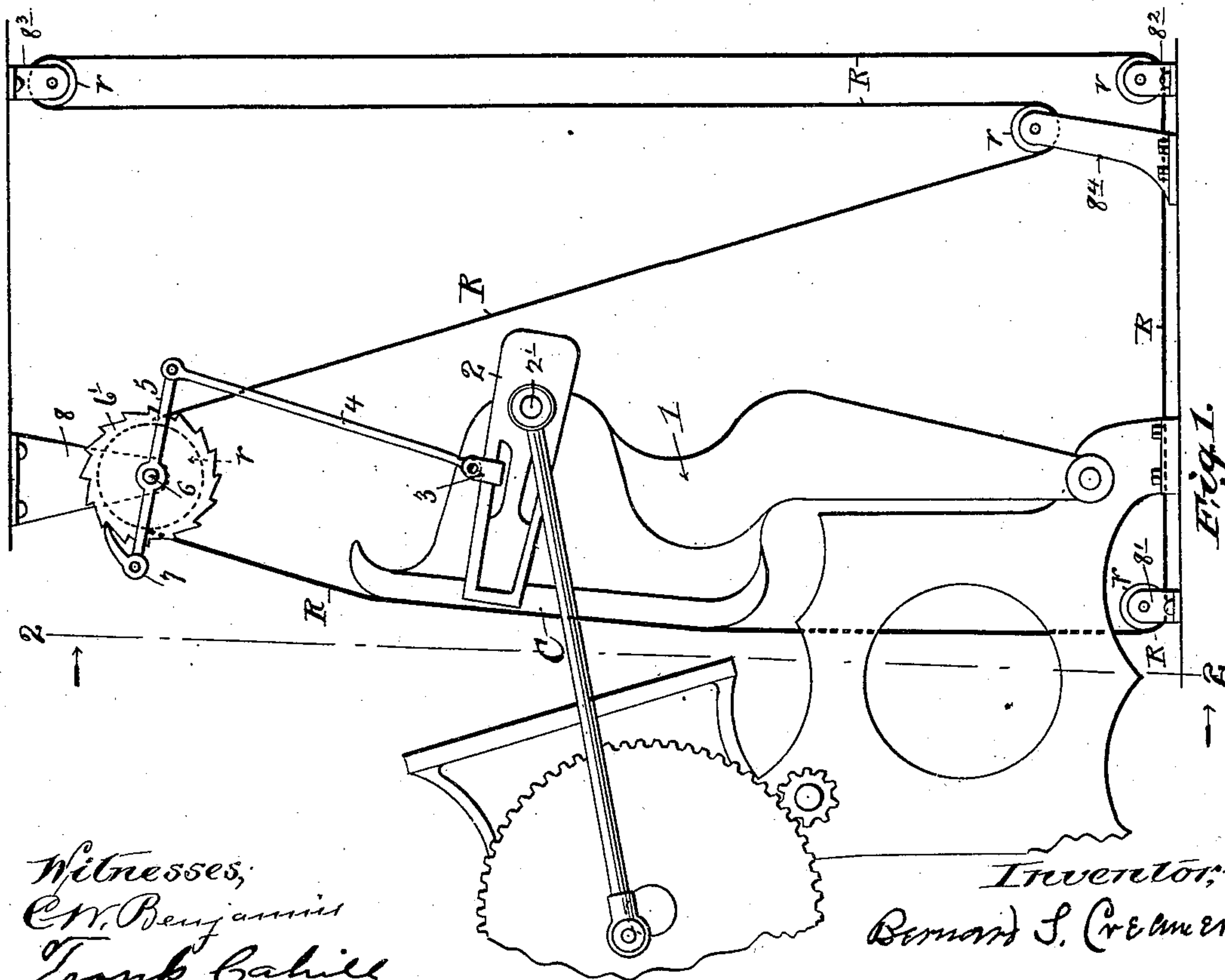


Fig. 1.

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UNITED STATES PATENT OFFICE.

BERNARD S. CREAMER, OF NEW YORK, N. Y.

INKING ATTACHMENT FOR PRINTING-PRESSES.

SPECIFICATION forming part of Letters Patent No. 672,890, dated April 30, 1901.

Application filed November 27, 1900. Serial No. 37,906. (No model.)

To all whom it may concern:

Be it known that I, BERNARD S. CREAMER, a citizen of the United States, residing at 666 East One Hundred and Thirty-fifth street, New York city, State of New York, have invented a new and useful Improvement in Inking Attachments for Printing-Presses, of which the following is a specification.

This invention relates to an improved apparatus for attaching to a printing-press for the production of letters in quantities in imitation of type-written circulars.

The object of the invention is to rotate an endless band of cloth of similar material as that used on ribbon-type-writer machines across the face of a type form locked in the bed of the press with a simple mechanism for rotating the band, causing the sheets to be printed to come in contact with a new surface of the ribbon at every impression of the press until the ink in the ribbon has been exhausted, when it is removed and a new ribbon substituted.

When the name and address on the circulars are written in with a type-writing machine and the body of the circular is printed on the press, if the color of the ink and pattern of type used on both the press and the type-writer are the same the effect will be that the name and address and body of circular will match perfectly, thus giving them importance as an advertising medium.

The apparatus is described in the accompanying drawings, in which—

Figure 1 illustrates a side view of the apparatus attached to the press, and Fig. 2 a sectional view on line 2 2 of Fig. 1.

1 is a part of the frame of the press, to which is attached the inking-arm and bed.

2 shows the inking-arm.

2' is the shaft on which the inking-arm acts.

3 shows a clamp fastened to the section of inking-arm nearest the bed of press, to which is attached a rod 4, running from the inking-arm 2 to the vibrating bar 5, which transmits an intermittent circular motion to roller *r* by means of the pawl 7 at the end of bar 5.

6 is the shaft on which bar 5 acts.

6' is the ratchet-wheel, which moves the roller around a few inches as the inking-arm descends, drawing down the rod 4.

8 8' 8² 8³ 8⁴ are brackets attached to the ceiling and floor for the support of the rollers.

R is the endless ribbon, which is rotated across the type form locked in the chase C. 55

The apparatus is attached in the following manner: The rollers are removed from the press. The type is locked in the chase and adjusted to the press in the usual way. The ribbon is run across the face of the type and around the rollers adjusted to the floor and ceiling, as shown in the drawings, and the ends of the ribbon joined together to form an endless band. The rod 4 is adjusted to the inking-arm by means of the clamp 3. 65

It is operated as follows: When the press is in motion and as the bed recedes from the platen-frame, the rod 4 is drawn in a downward direction by the descending of the inking-arm, rotating the roller to which is adjusted the ratchet-wheel 6'. The roller in turn moves the ribbon in an upward direction a few inches across the bed of the press, (the distance being immaterial,) thus bringing the type in contact with a new surface of the inked ribbon at every impression of the press until the ink is exhausted, when a new ribbon is substituted. 75

Reference is called to my application for Letters Patent, Serial No. 18,964, filed June 4, 1900, for an apparatus for producing press-copied effects, as showing an endless band rotated across the bed of the press. As the distance the band is moved at every impression of the press is of little consequence in the present application, I have simplified the mechanism without detracting from its effectiveness. 85

It will be seen that the ratchet-wheel 6', pawl 7, and vibrating bar 5 will operate in a similar manner on the ribbon if connected with the bracket and roller 8⁴, adjusted to the floor, having the rod 4 clamped to the lower section of the inking-arm as the rollers are revolved with the downward sweep of the carriage in both instances and the effect on the rollers being the same. The ribbon can also be lengthened or shortened, if desired, by increasing or decreasing the number of rollers adjusted to the floor and ceiling without departing from the principle of the invention. 100

Having thus described my invention, what

I claim, and desire to secure by Letters Patent, is—

5 The combination with the press, the bed and the type locked to the bed, of an endless inking-ribbon, rollers to guide and rotate the ribbon, a rod, vibrating bar, pawl-and-ratchet wheel adjusted to the roller for rotating the ribbon, and a clamp for adjusting the rod to the press, substantially as set forth.

In testimony whereof I, BERNARD S. CREAMER, have signed my name to this specification, in the presence of two subscribing witnesses, this 26th day of November, 1900.

BERNARD S. CREAMER.

Witnesses:

FRANK CAHILL,
EDWD. A. COLLINS.