

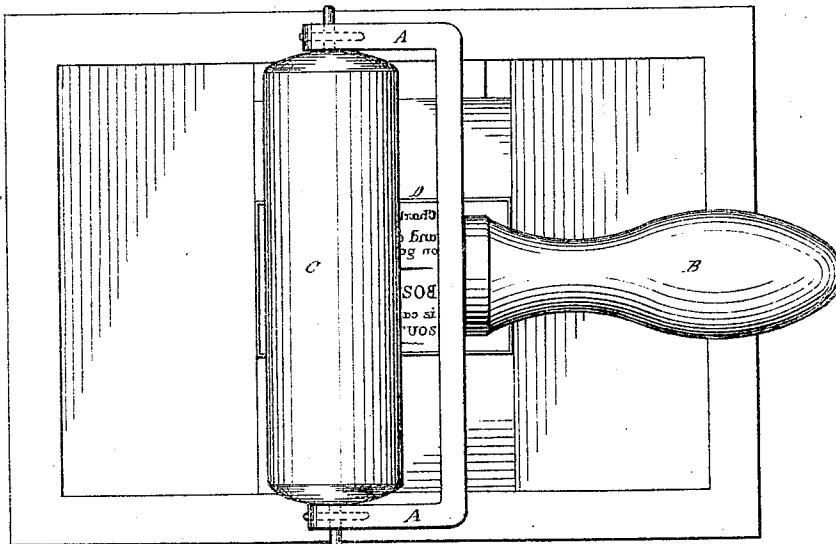
B. F. ALLEN.

Hand-Rollers for Printing-Presses.

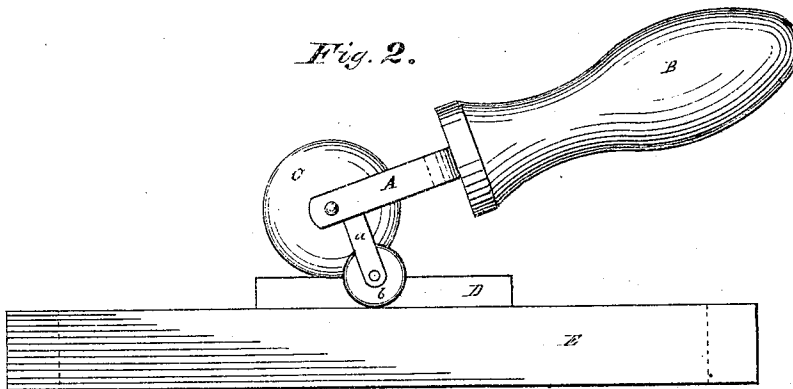
No. 130,175.

Patented Aug. 6, 1872.

*Fig. 1.*



*Fig. 2.*



Witnesses:

*Harry Coleman.*  
*Wm. J. Jones*

*Inventor:*

*Ber<sup>d</sup> F. Allen.*  
*by his Atty:-*  
*A. H. & M. H. Evans*

# UNITED STATES PATENT OFFICE.

BENJAMIN F. ALLEN, OF BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN HAND-ROLLERS FOR PRINTING-PRESSES.

Specification forming part of Letters Patent No. **130,175**, dated August 6, 1872.

*To all whom it may concern:*

Be it known that I, BENJAMIN F. ALLEN, of Boston, in the State of Massachusetts, have invented a new and useful Improvement in Hand-Rollers for inking purposes; and I do hereby declare that the following is a clear, full, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a top view of my device. Fig. 2 is a side view of the same.

In order to enable others skilled in the art to make and use my invention, I will proceed to describe the manner in which I have carried it out.

My improvement consists in providing the frame of the hand-roller with revolving bearings, upon which it rides over the furniture or chase, and is so arranged that, by raising or depressing the handle of the frame, the inking-roller is caused to press the lighter or heavier on the type while passing over it, and avoid falling on the furniture or striking too heavily on the head and foot lines and the ends of the lines.

In the drawing, A represents the frame of a hand-roller, B the handle, and C the inking-roller. On each side of the frame A is attached an arm, *a*, slotted so as to admit the wheels or revolving bearings *b*, as shown in Fig. 2. D

represents the engraving or form of type to be printed, secured in position in the chase E. It is evident that as the inking-roller C passes over the type D the operator can, with perfect ease, control the bearing of the same by simply raising or depressing the handle of the frame, by which the wheels *b* become the fulcrum and the arms *a* the levers for regulating the pressure upon the inking-roller. By this means it is easy to prevent the inking-roller from falling on the furniture when it leaves the type, and also from striking too heavily on the head and foot lines, or on the ends of the lines, and thus prevent the roller from filling the types or engravings with ink. It is evident that the wheels *b* may be omitted and the arms *a* be extended so as to furnish bearings for the roller and slide upon the furniture or chase.

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

The frame A, having the arms *a* and revolving bearings *b*, or their equivalents, in combination with the inking-roller C, substantially as and for the purpose set forth.

BENJ. F. ALLEN.

Witnesses:

J. N. ALLEN,  
G. C. MOREHOUSE.