C. Wells.

Inking Apps's. for Print'g Press.

No. 86263. Patented Jan. 26. 1869.

Fig. 1.

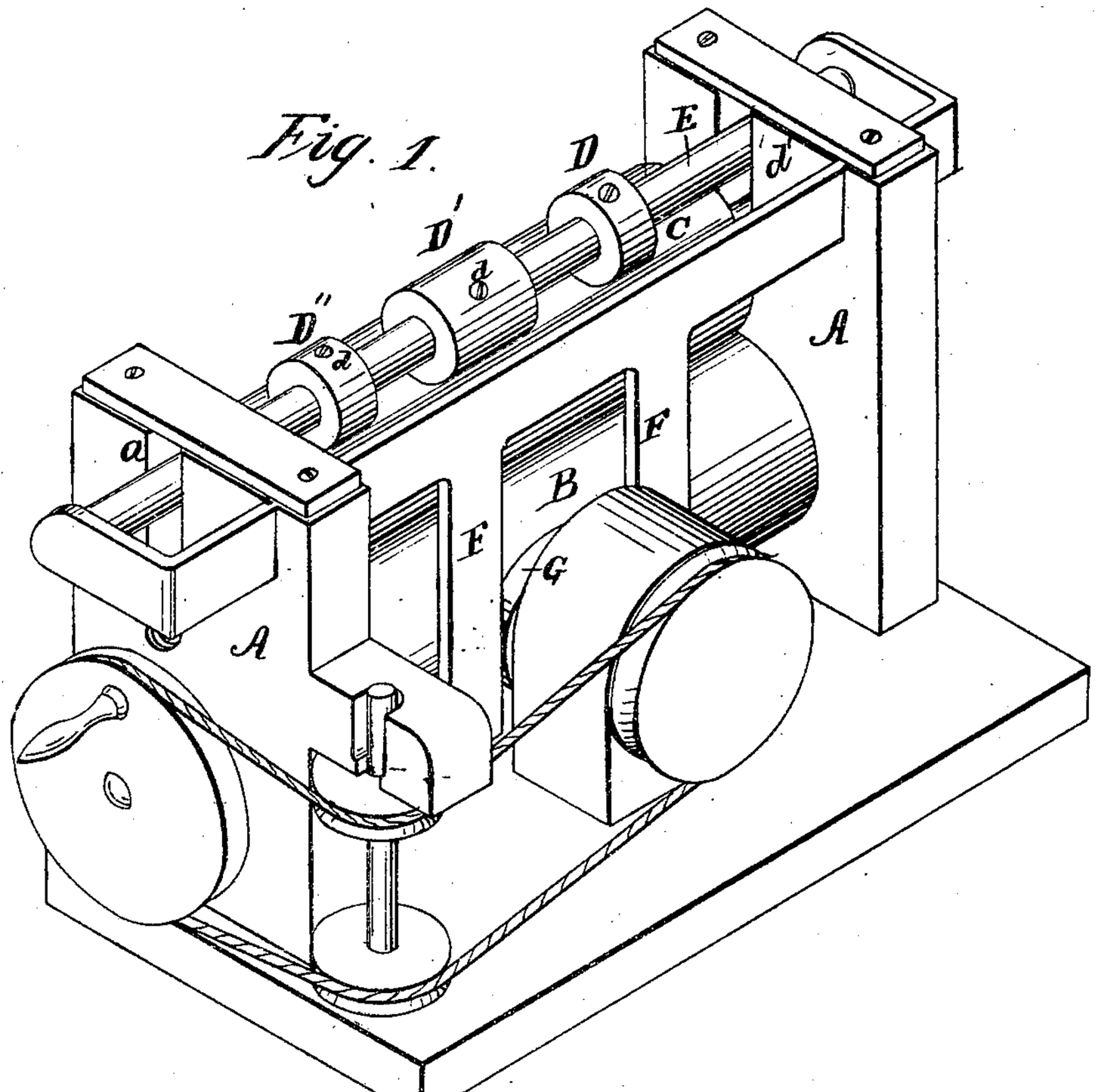
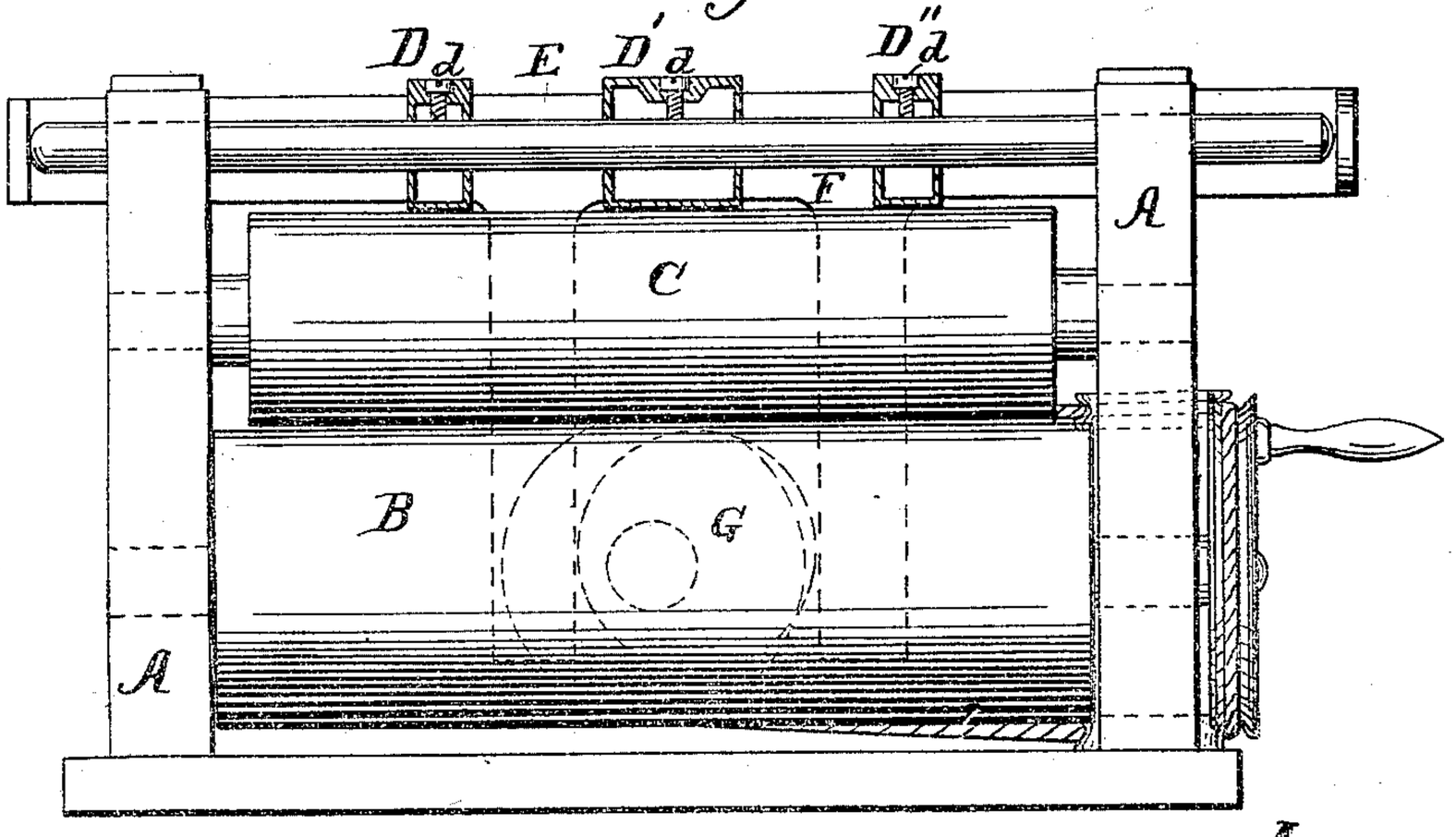


Fig. 2.



Witnesses:
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United States Patent Office.

CHARLES WELLS, OF CINCINNATI, OHIO

Letters Patent No. 86,263, *dated January* 26, 1869.

IMPROVEMENT IN INKING-APPARATUS FOR PRINTING-PRESSES.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, CHARLES WELLS, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Improvement in Ink-Distributing Rollers for Printing-Presses; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to a provision of shiftable rollers, in short sections, for enabling the printer to confine the distribution of ink to strips or belts of any relative width and distance desired, so as to economize ink in those jobs whose printed matter occupies only a portion of the sheet or form, and also to distribute ink unequally over the form, where it is so desired, to give a large quantity to heavy type, and a small quantity to light type in the same form, coupled with a longitudinal motion, created by means of a cam acting upon a reciprocating frame, in which said rollers are mounted, as hereinafter set forth.

Figure 1 is a perspective view of a portion of the ink-distributing mechanism of a printing-press, embodying my invention.

Figure 2 is a side elevation of the same.

A may represent a portion of the frame of a printing-press.

B is the distributing-cylinder, of metal, from which the inking-roller or rollers carry ink to the type, and which receives ink from the composition-roller C.

D D′ D″ are my sectional and shiftable ink rollers, consisting of short metallic cylinders, of any number or size, secured, by set-screws *d*, to a shaft, E, which may occupy the same slots *a a′* as the journals of the composition-roller C.

The rollers C and D D′ D″ are rotated by simple contact from the cylinder B, and, in addition to their rotation, a longitudinal reciprocation is imparted to the ink-rollers D D′ D″ by means of a yoke, F, reciprocated by a cam, G, or otherwise.

I claim herein, and as my invention—

The combination of the rollers B and C, sectional hollow rolls D D′, shaft E, reciprocating frame F, and cam G, all constructed and arranged to operate as and for the purposes specified.

In testimony of which invention, I hereunto set my hand.

CHARLES WELLS.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.