

J. K. Lowe, Bronzing Machine

Nº 62,044.

Patented Feb. 12, 1867.

Fig. 1.

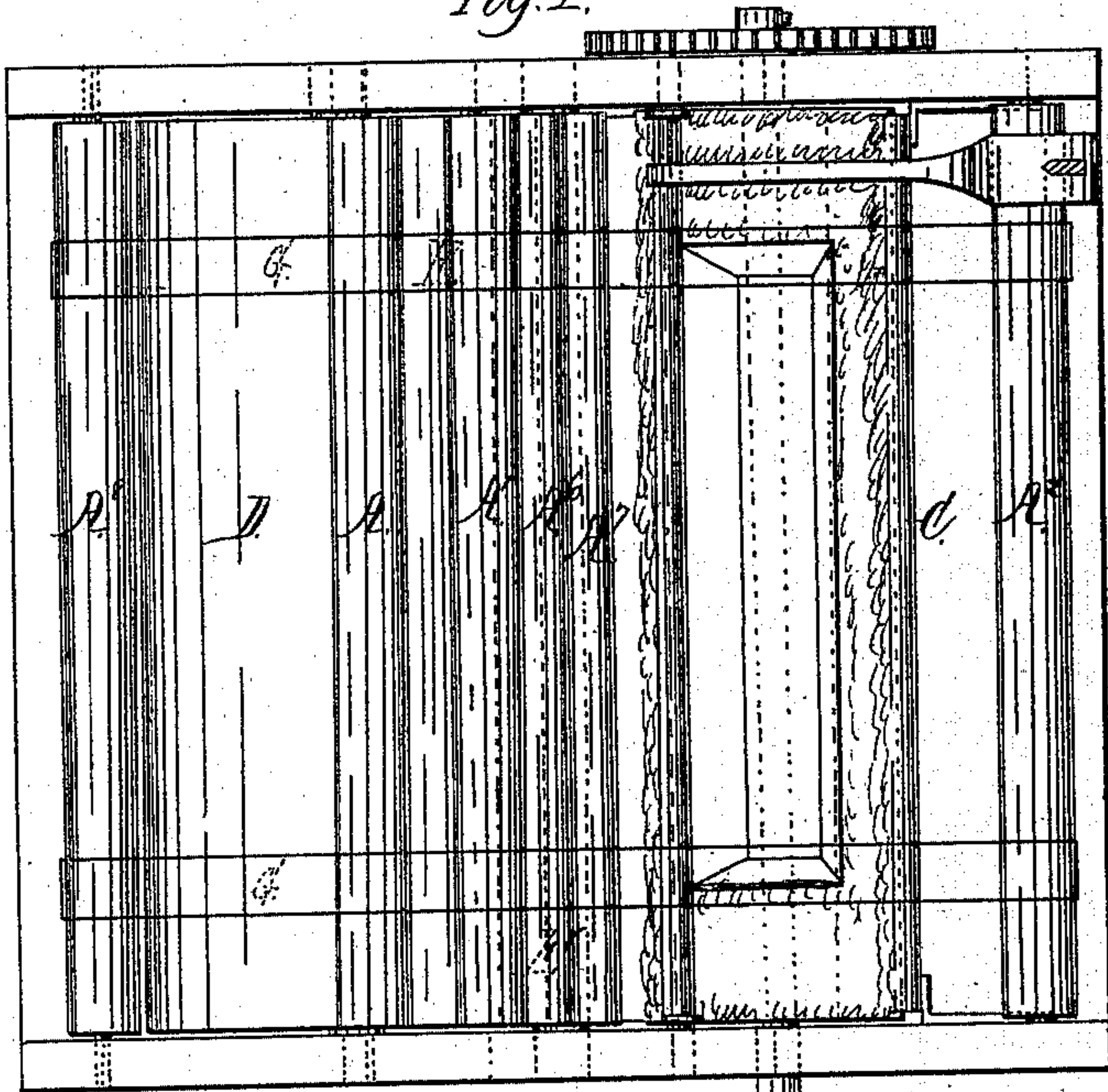
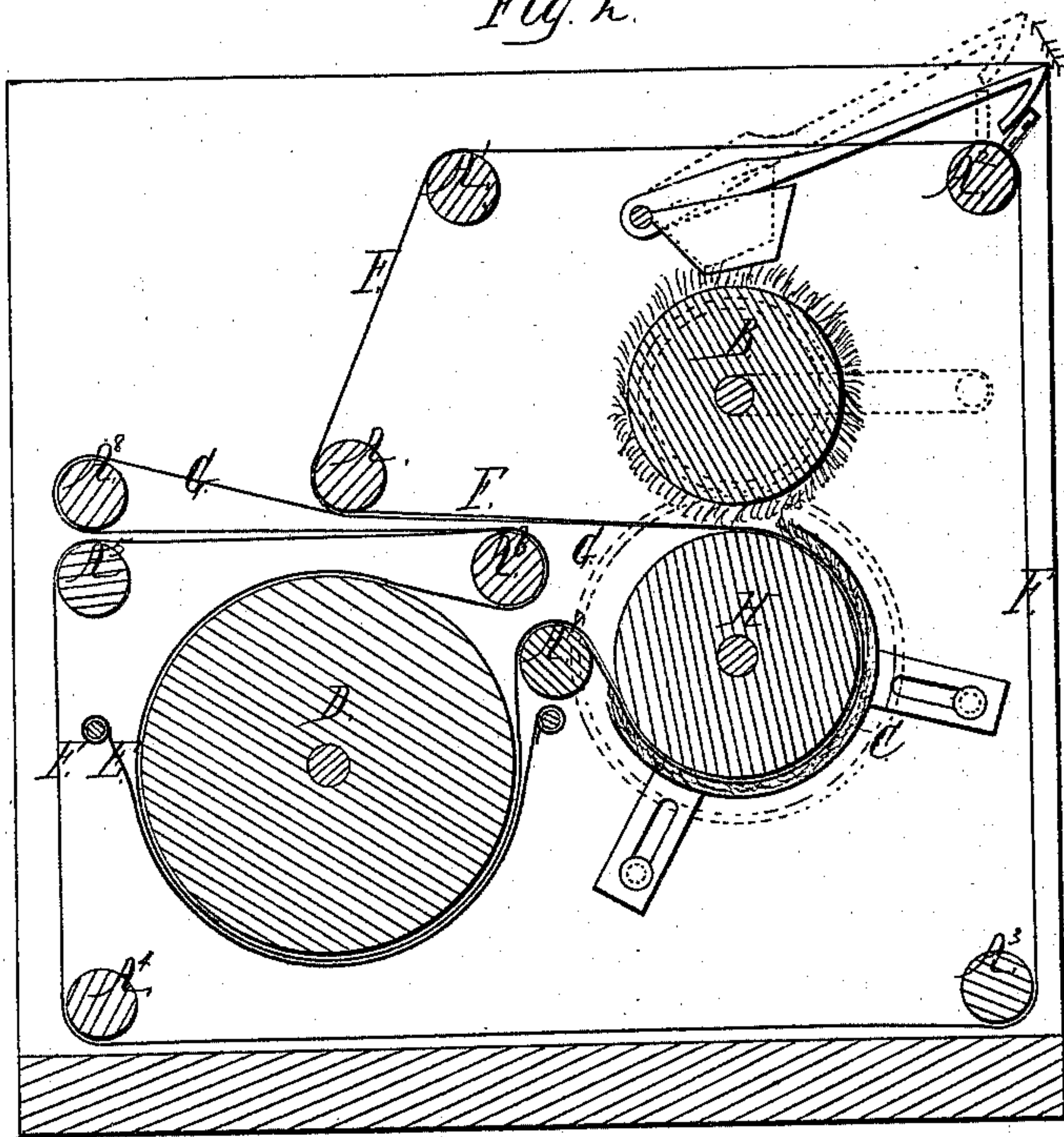


Fig. 2.



*Witnesses:
J. V. Gordon.
Geo. H. Collins.*

*Inventor,
Joh. K. Lowe.*

UNITED STATES PATENT OFFICE.

JOHN KNOX LOWE, OF CLEVELAND, OHIO.

IMPROVEMENT IN BRONZING-MACHINES.

Specification forming part of Letters Patent No. 62,044, dated February 12, 1867.

To all whom it may concern:

Be it known that I, JOHN KNOX LOWE, of Cleveland, Cuyahoga county, State of Ohio, have invented a new and Improved Bronzing-Machine; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, and to the letters of reference marked thereon, in which the same letter represents the same thing in each figure.

Figure 1 is a top view of my improved bronzing-machine, and Fig. 2 a longitudinal section thereof.

My improvement is an addition to my invention patented August 28, 1866, and secures more perfect bronzing than has been heretofore attained.

A, A¹, A², A³, A⁴, A⁵, A⁶, A⁷, and A⁸ are the feed-tape rollers; B, the fur-roller; C, the fur-lined box, having a revolving cylinder, H, inside thereof; D, the wiping-cylinder; E, its cloth; F F, the upper, and G G the under, feed-tapes.

The operation is as follows: The printed paper, while the ink is yet fresh, is placed upon feed-tapes G G and held firmly thereon by feed-tapes F F, and is, by their joint action, carried under fur-roller B, and inside of fur-lined box C, and over its cylinder H, and up over the intermediate roller A⁷, and under and around wiping-cylinder D, between it and cloth E, face out, and out between rollers A⁵ and A⁸. As the sheet passes under fur-roller B, the fur of which has been previously sprinkled with bronze-powder, or other color in a state

of powder, from a perforated box above, it is slightly rubbed with the powder, which adheres closely to the freshly inked letters and lightly to the remainder of the sheet. Continuing its travel, the fur of box C wipes off a considerable portion of the loose powder on the sheet, but does not disturb that upon the letters. Cylinder D and cloth E, between which it next passes, complete the wiping.

Instead of feed-tapes, a cloth extending the entire width of the machine might be used, and the box may be lined with cotton, flannel, or other suitable wiping material, instead of fur; and the cylinder-cloth might be a sheet of fur or of similar material.

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

1. The fur or otherwise lined case described, constructed and operating substantially as and for the purposes set forth.

2. Wiping-cylinder D and cloth E, in combination, for the purposes and operating in a bronzing-machine, substantially as described.

3. The combination of the fur-roller with the lined box, its cylinder, the wiping-cylinder and its cloth, constructed and operating together, substantially as and for the purposes explained.

4. Feed-tapes G G, or their equivalents, in combination with tapes F F, to receive, carry, and deliver the sheet, substantially as described.

JOHN KNOX LOWE.

Witnesses:

S. J. GORDON,

GEO. H. COLLINS.