M. Dimock. Sheet 1. 2 Sheets.

Envelope Mach.

No. 44687. Patented Oct. 11. 1864.

Fig. 3

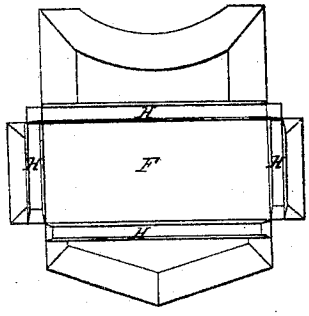


Fig. 1

Fig. 4

Witnesses

H. Kennedy

Inventor

Marshall Dimock

By Jones, Brown & Co. attorneys.

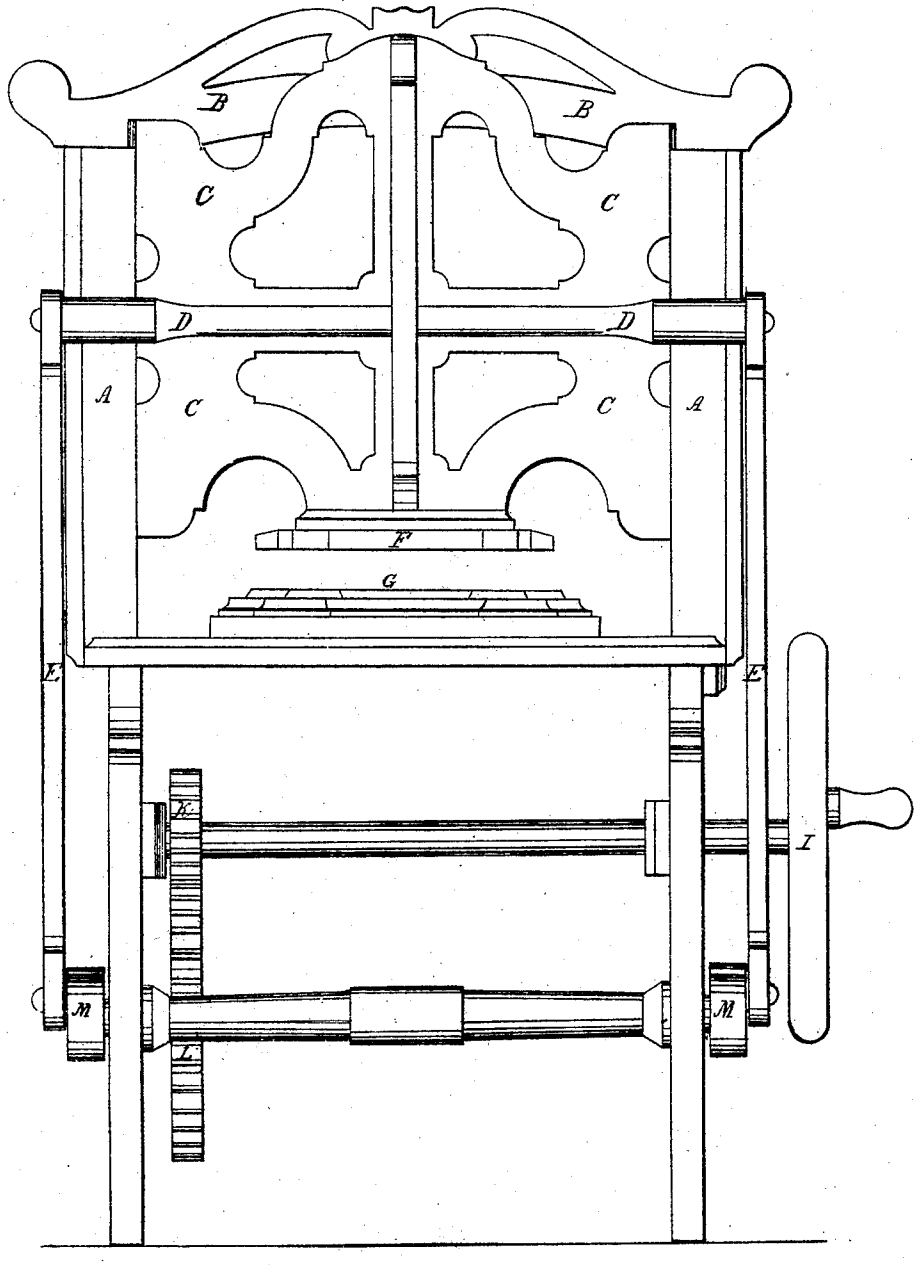
THE NORRIS PETERS CO., WASHINGTON, D. C.

M. Dimock. Sheet 2. 2 Sheets.

Envelope Mach.

No. 44687. Patented Oct. 11. 1864.

Fig. 2



Witnesses

Inventor

Marshall Dimock

By Jones, Brown & Co.

Attorneys.

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

MARTIAL DIMOCK, OF NEWARK, NEW JERSEY, ASSIGNOR TO FITCH, ESTEE & CO., OF NEW YORK CITY.

APPARATUS FOR CUTTING AND CREASING PAPER FOR ENVELOPES, &c.

Specification forming part of Letters Patent No. **44,687**, dated October 11, 1864.

To all whom it may concern:

Be it known that I, MARTIAL DIMOCK, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Machine for Cutting, Embossing, and Printing Envelopes, Paper Cases, and Paper Boxes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 is a side elevation. Fig. 2 is an end elevation. Fig. 3 is a view of the under surface of the die. Fig. 4 is a top view of the countersink.

To accomplish the object of my invention, I attach to a bench or table constructed in the ordinary manner two upright posts, A A, Figs. 1 and 2, securely braced. The tops of these posts are connected by a cross-tie, B B, Figs. 1 and 2. On the inner side of the posts A A are grooves, in which works the sash C C, Fig. 2. The bar D D, Fig. 2, is attached to the sash, and extends beyond its sides. To the ends of this bar are attached by pins, upon which they move, the upper ends of the upright shafts E E, Figs. 1 and 2. On the lower end of the sash C C, the stamp or die F, Figs. 1, 2, and 3, is securely fastened. This die fits closely into the corresponding die or countersink, G, Figs. 1, 2, and 4, and the edges of both are made of steel or other hard metal, so formed and adjusted that the closing of the dies will cut the paper or other material used for the manufacture of the envelope or box into the exact form required for that purpose.

The die F, Figs. 1, 2, and 3, is constructed with raised lines or knives, H H, Fig. 3, upon its surface, for the purpose of indenting or partially severing the paper or other material, to indicate the lines upon which it is to be folded, and also to facilitate the folding of the material by thus partially severing it.

The operation of the machine is as follows: In turning the balance-wheel I, Figs 1 and 2, for which a pulley or drum may be substituted, motion is communicated through the cog-wheels K and L and the cranks M M, Figs. 1 and 2, to the shafts E E, by which the sash C C is moved up and down, thus opening and closing the dies F and G, by which operation the paper or other material used is cut into suitable shape and printed ready for folding. The bottom of the die or countersink G is made of some elastic substance, which will yield to the pressure of lines or knives on the die F, so that the paper or other material used may be perfectly indented or partially severed.

What I claim as new in my machine, and desire to secure by Letters Patent, is—

The countersink G, Fig. 4, with elastic bed and the die F, Fig. 3, with projecting blades H, to indent or partially sever the paper or other material used, (for the purpose of facilitating the folding thereof,) constructed and operated substantially as and for the purpose set forth.

MARTIAL DIMOCK.

Witnesses:

E. A. BOWEN,

H. J. RICHARDSON.