

(No Model.)

P. E. FRANCKE.

ORNAMENTATION OF FRAME MOLDINGS.

No. 292,552.

Patented Jan. 29, 1884.

Fig. 1.

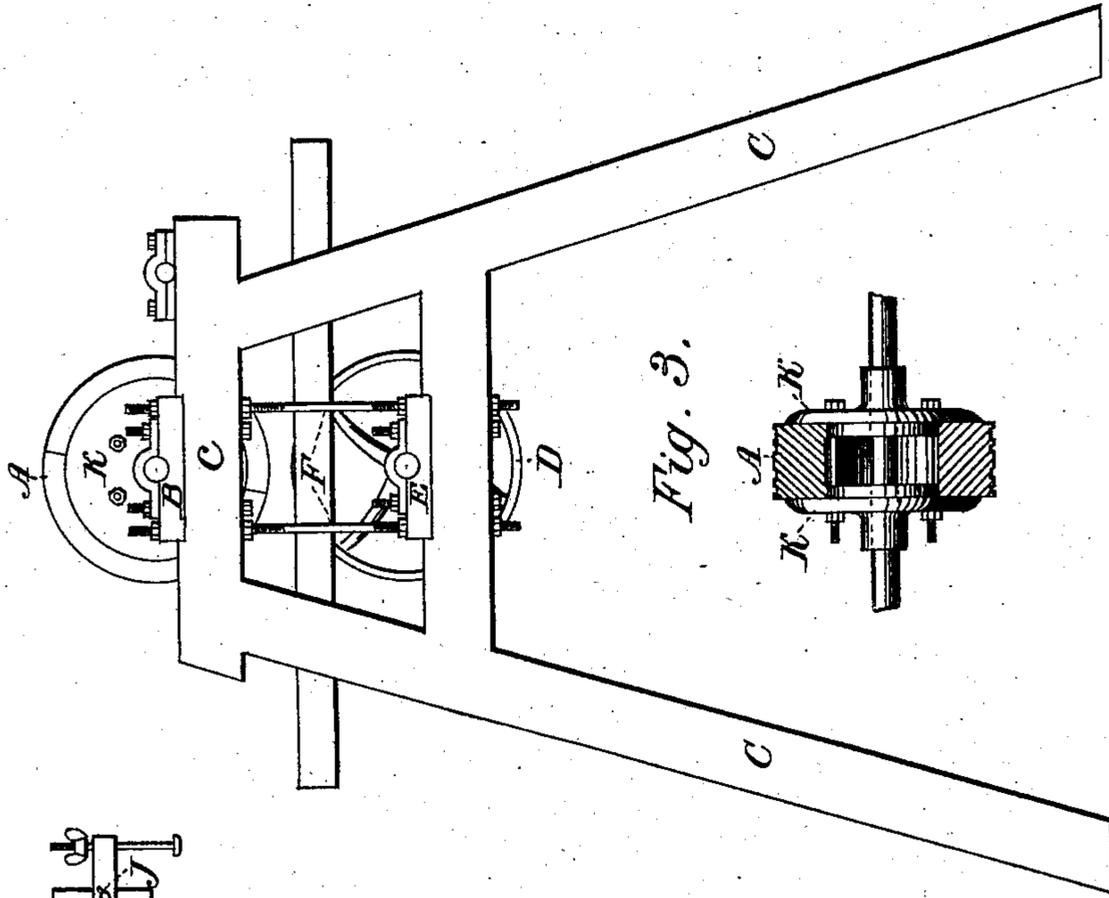


Fig. 4.

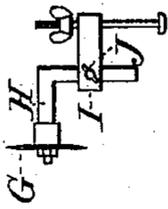


Fig. 2.

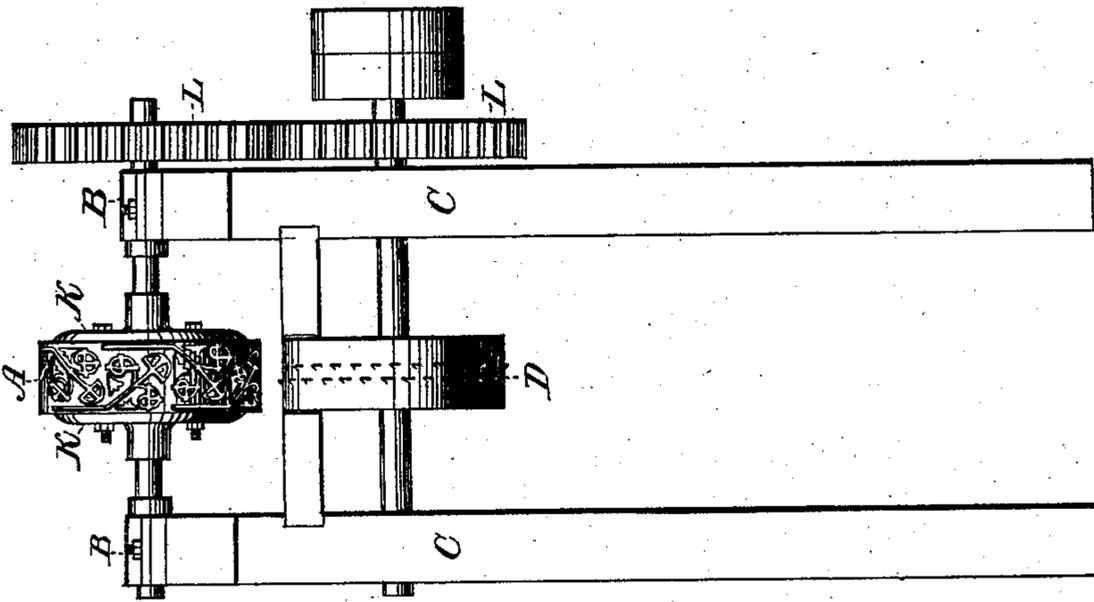
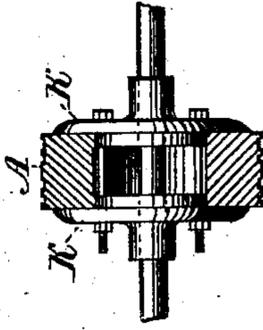


Fig. 3.



Witnesses,
 Geo. H. Strong.
 J. H. Hourse.

Inventor,
 P. E. Francke
 By Devey & Co.
 Attorneys

UNITED STATES PATENT OFFICE.

PHILIP E. FRANCKE, OF SAN FRANCISCO, CALIFORNIA.

ORNAMENTATION OF FRAME-MOLDINGS.

SPECIFICATION forming part of Letters Patent No. 292,552, dated January 29, 1884.

Application filed September 18, 1883. (No model.)

To all whom it may concern:

Be it known that I, PHILIP E. FRANCKE, of the city and county of San Francisco, and State of California, have invented an Improvement
5 in Ornamentation of Frame-Moldings; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to the ornamentation of frame and other moldings; and it consists
10 of a means for forming and applying the plastic material of which the ornaments are composed, so that it is formed and applied to the molding in a continuous strip by means of a cylindrical pattern drum or wheel, as will be
15 more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a side elevation of my apparatus. Fig. 2 is an end view, showing the face of the pattern-cylinder. Fig. 3 is an enlarged
20 section of the pattern-cylinder. Fig. 4 is a view of the trimming knife or cutter.

In the ornamentation of frame and other moldings a plastic material is employed, and this is usually formed in lengths by a straight
25 pattern or mold, into which it is compressed, and afterward is fixed or cemented upon the molding. This process is slow and tedious, and my invention is designed to produce a continuous strip and attach it at one operation.

30 A is a cylinder or drum, having the desired scroll or pattern formed and sunk into its face. This drum has a shaft turning in boxes B upon a frame-work, C. Below this cylinder is a second cylinder, D, the shaft of which
35 turns in boxes E, which have adjusting-screws F and nuts, by which they may be raised or lowered, so as to move the face of the cylinder D nearer to or farther from the cylinder
40 A. The face of the cylinder D is serrated, roughened, or provided with teeth, and when the molding is passed between the cylinders, the distance between them being adjusted to
45 suit the thickness of the particular molding, these teeth will cause the molding to advance as the cylinders are rotated. The material of which the ornamental figures are formed is mixed in a plastic condition, and is applied
50 so as to be forced into the indented figures on the pattern-drum A. The molding has its surface prepared in the usual manner, so that the material will adhere to it as fast as prepared and applied, and it is thus passed between the drums. The plastic material being
55 fed in is continually forced into the indented pattern upon the drum A, and will adhere to

the molding as it passes between the cylinders or drums, being thus quickly made and applied.

G is a rotary cutter, mounted so as to turn upon a bent arm, H. This arm passes through
60 a hole in a plate, I, and may be adjusted up or down by means of a set-screw, J. The plate I is secured upon the frame or table, so that the cutter will travel upon the surface of the molding, so as to trim off the edge of the
55 ornamental strip as fast as it is applied, and thus leave it even and clean.

The drum A is formed in two halves, which are fitted between disks K, Fig. 3, where they
70 are held firmly by clamping-screws. By this construction I am enabled to remove and change the drums for different patterns whenever desired. The outer ends of the drum-shafts have gear-wheels L L, which mesh together, and thus cause them to turn in unison
75 when power is applied to drive them.

It will be manifest that the molding could be advanced by other means—such as a straight rack or table equal to its length; but I prefer the cylinder as here shown.
80

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

1. In an apparatus for forming ornamental designs in plastic materials and applying them
85 to molding in continuous strips, the revolving pattern-cylinder A, the material being compressed in said cylinder, in combination with the adjustable feed-cylinder D, adapted to advance the molding, the driving-gears L-L, secured to their shafts and meshing with each other, and the adjustable cutter G, by which means the material is trimmed after it is applied to the frame, all substantially as described, and for the purposes set forth.
90 95

2. In an apparatus for forming ornamental designs in plastic materials and applying them to moldings in continuous strips, the revolving cylinder A, in which the material is compressed, in combination with the adjustable
100 feed-cylinder D and the gears L L, secured to their shafts and meshing with each other, whereby they are revolved toward each other, substantially as shown and described.

In witness whereof I have hereunto set my hand.

PHILIP E. FRANCKE.

Witnesses:

S. H. NOURSE,
H. C. LEE.