

G. BOOS.
MACHINE FOR ENAMELING MOLDINGS.

Fig. 1.

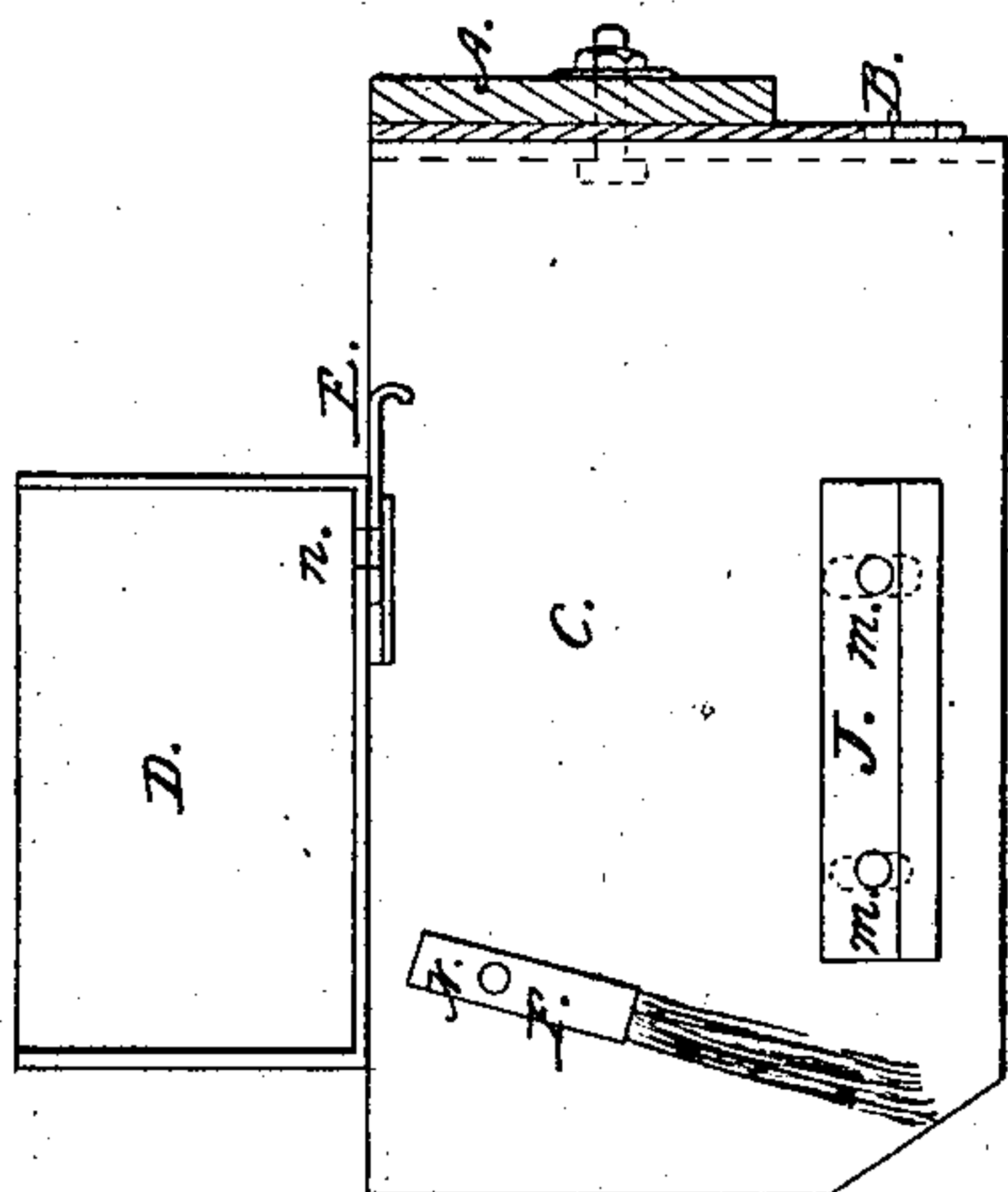


Fig. 3.

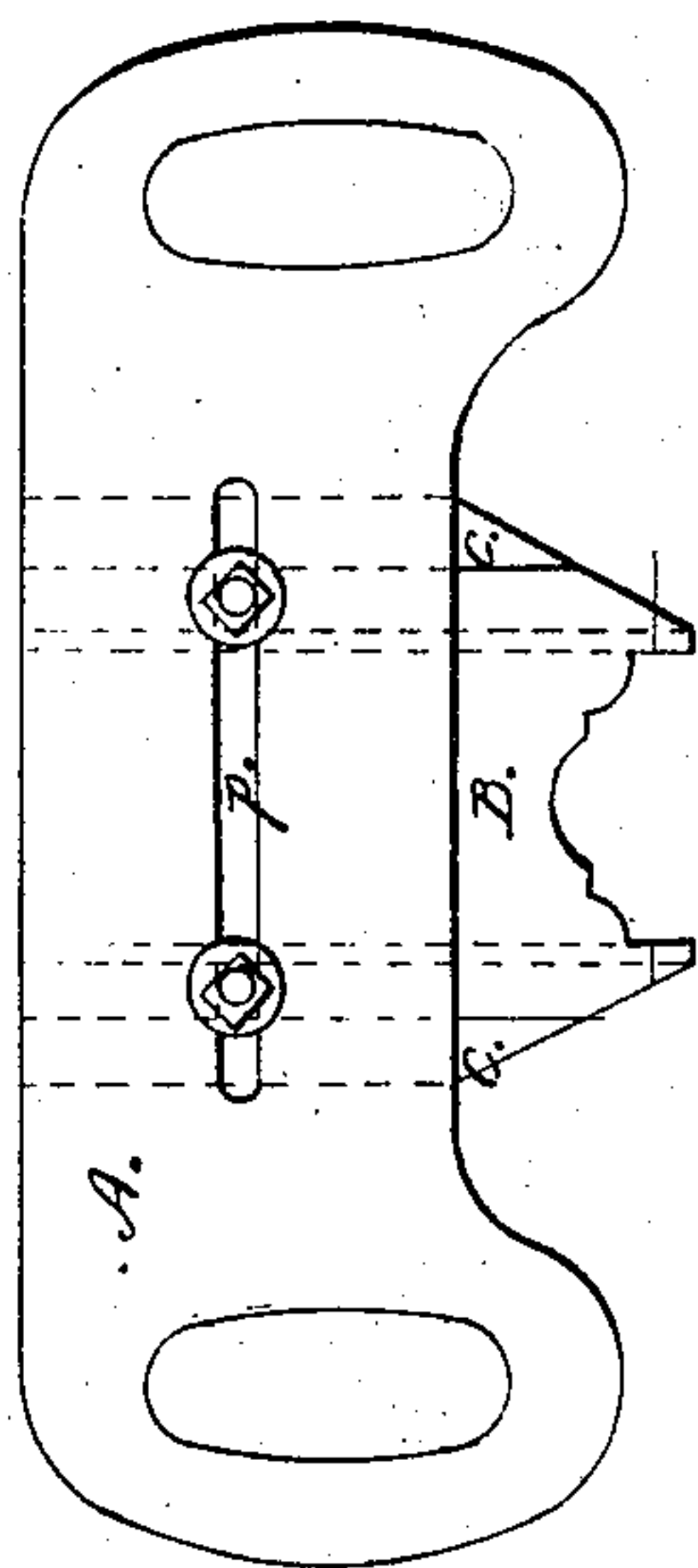


Fig. 2.

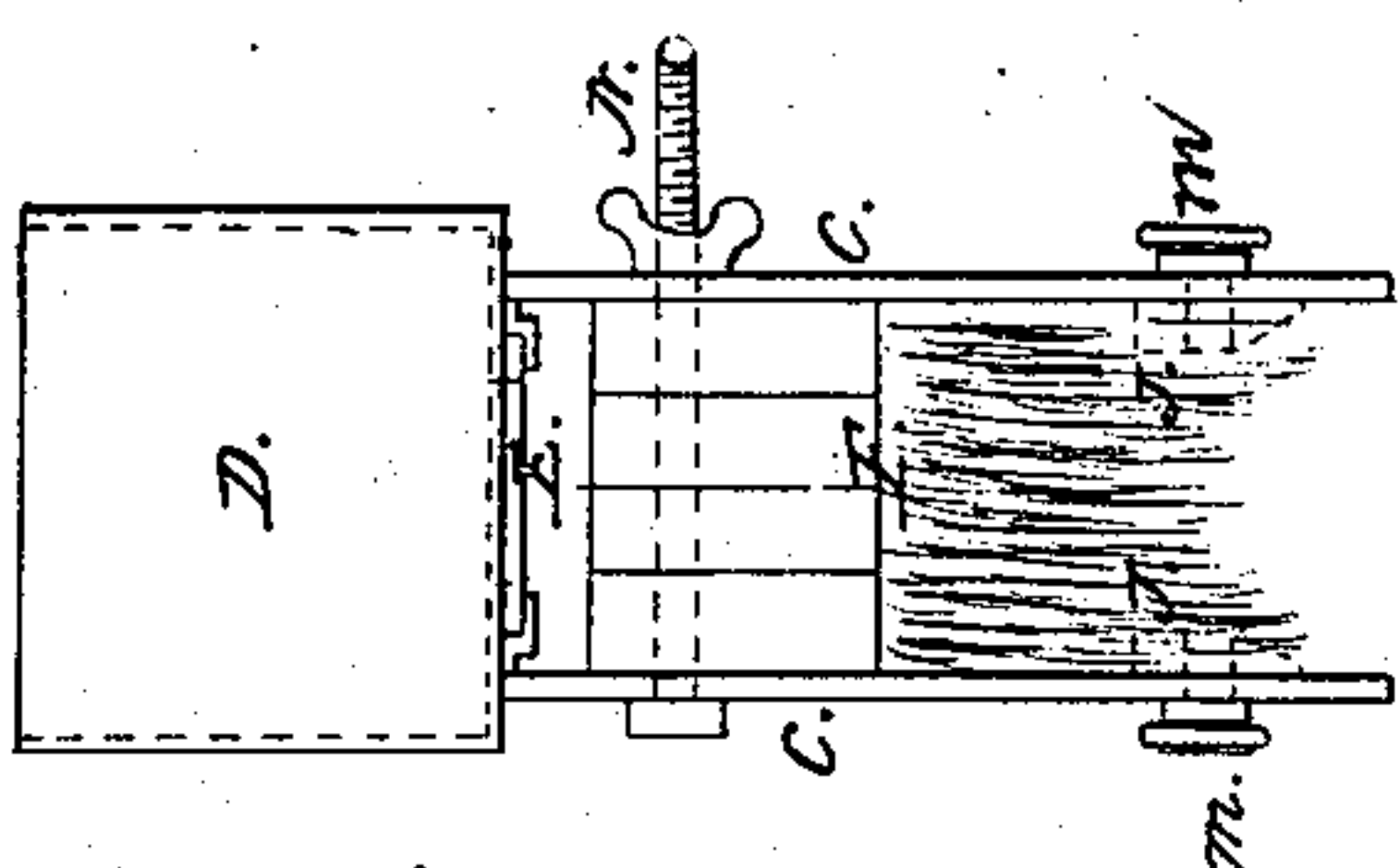
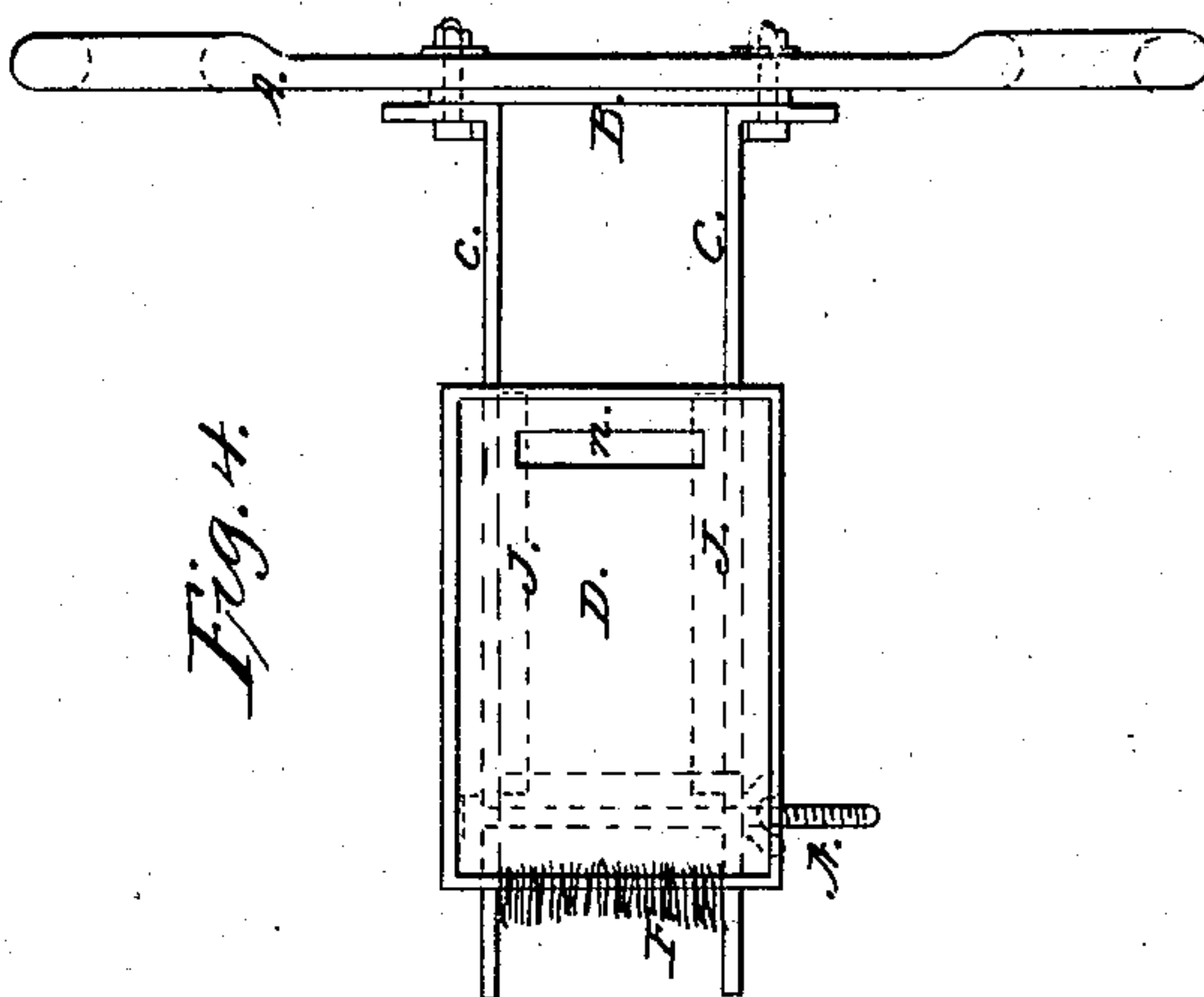


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

GABRIEL BOOS, OF NEW YORK, N. Y.

MACHINE FOR ENAMELING MOLDINGS.

Specification of Letters Patent No. 30,954, dated December 18, 1860.

To all whom it may concern:

Be it known that I, GABRIEL BOOS, of New York, in the county and State of New York, have invented a new and Improved Machine for Enameling Moldings; and I hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings and to the letters of reference marked thereon.

Figure I represents a longitudinal section. Fig. II a back end view. Fig. III a front end view and Fig. IV a top view of my machine.

Similar letters refer to similar parts.

The nature of my invention consists in the construction of an enameling machine which can readily be altered so as to suit any width of moldings, and to combine guides and brushes with the same, the former for the purpose of guiding the machine on the molding itself and the latter to produce an even and smooth surface, necessary for gilding the same afterward.

In the accompanying drawing A represents the handle by which the machine is moved over the wood or molding, having a suitable knife or cutter B attached, by which the required shape is given to the surface of the molding, in the usual manner.

To the handle or frontpiece A two side frames C, C, are attached, and so arranged that the same may be placed near together or farther apart, according to the width of the molding which is to be enameled. On the top of these side frames, C, a reservoir D is placed to contain the composition, and provided with an opening, *n*, in the bottom, covered by a slide, E, whereby the size of this opening may be regulated or closed up altogether.

At the after end of the side frames and near the end of the machine one or more brushes F are placed on a bolt, N. Near the bottom of these side frames, C, and on their inner sides, guiding pieces, J, J, are attached by means of screws or bolts *m*, *m*, and so arranged, as to be able to be moved up or down to suit the size and description

of the molding. The reservoir D being filled with the required composition, and the proper knife or cutter B being attached to the front piece A, the guides J, J, are next regulated so as to slide easily over the molding.

When the slide E is moved so as to admit the necessary amount of composition, to fall upon the molding the guides J, J, will act to regulate the motion of the machine over the molding, the knife or cutter B will scrape off any excess of composition which may fall upon the molding, and give to the surface of the same the required shape, while the brushes F, which accommodate themselves easily to any surface will produce a polish on the enamel with which the molding has been covered and which is very essential for the purpose of gilding the same hereafter. By the use of the guides, J, I dispense with any particular table to fasten the molding upon, preparatory of enameling the same, and am able to follow thereby any unevenness or small and easy bends which may be in the molding. When the machine is required for wider moldings the side frames, C, are placed farther apart for which purpose a long slot, *p*, is made in the front piece A and either, another brush put on the bolt N to make up the required width, or a new brush, as wide as the molding is placed on the same. The upper part of the brush F acts at the same time as a distance piece for the side frames C, C, at their after end.

What I claim as my invention and desire to secure by Letters Patent is—

The arrangement and construction of the front piece A and side frames C, C, in combination with the guide pieces J, J, for the purpose of changing the machine easily to any width of molding, as well as to make thereby the surface of the molding to act as guide for the machine, substantially as described.

GABRIEL BOOS.

Witnesses:

HENRY E. ROEDER,
JULIAN KEEN.