

W. G. NEUBAUER.

Apparatus for Spreading Plasters.

No. 154,708.

Patented Sept. 1, 1874.

Fig: 1.

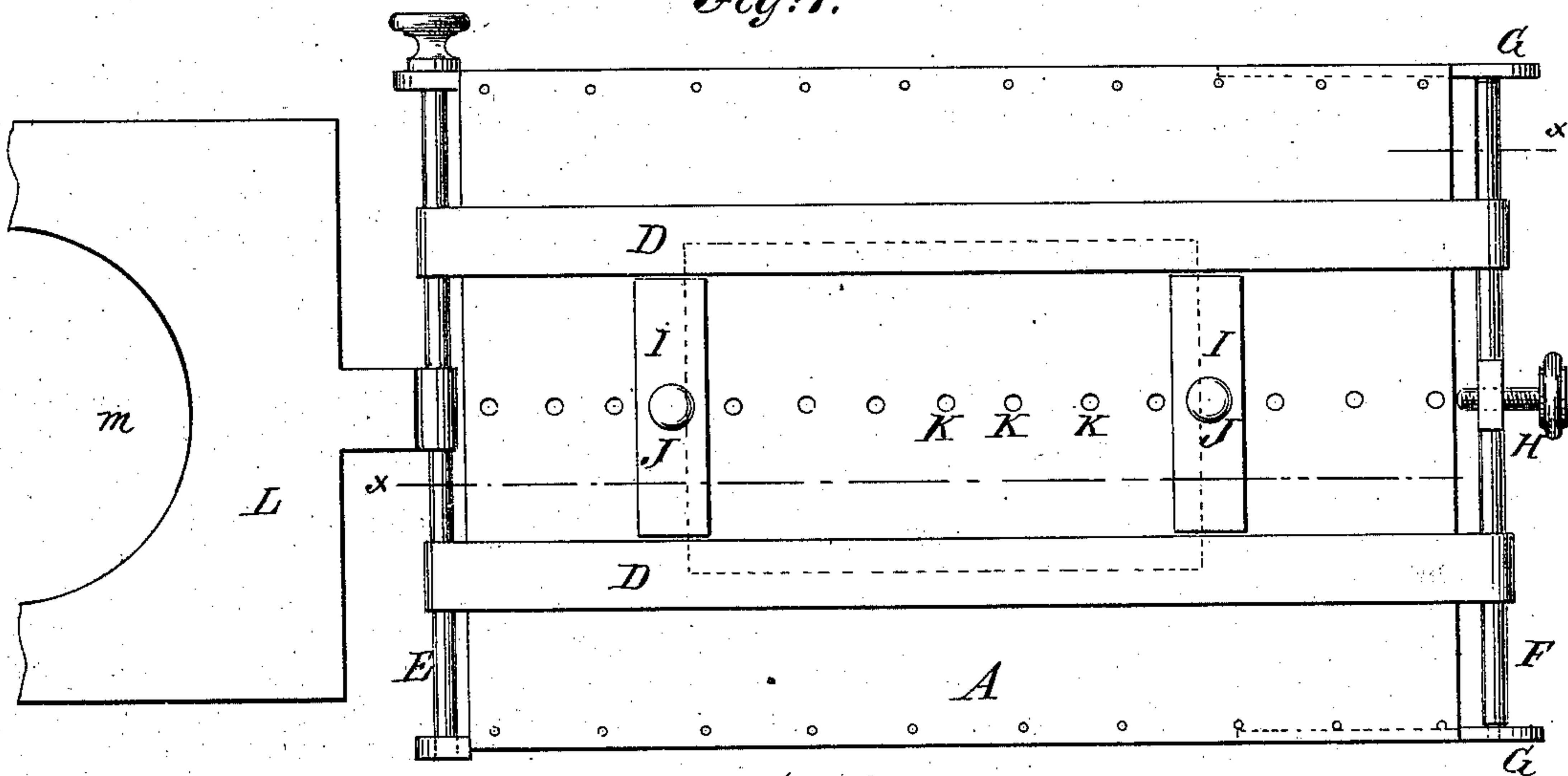


Fig: 4.

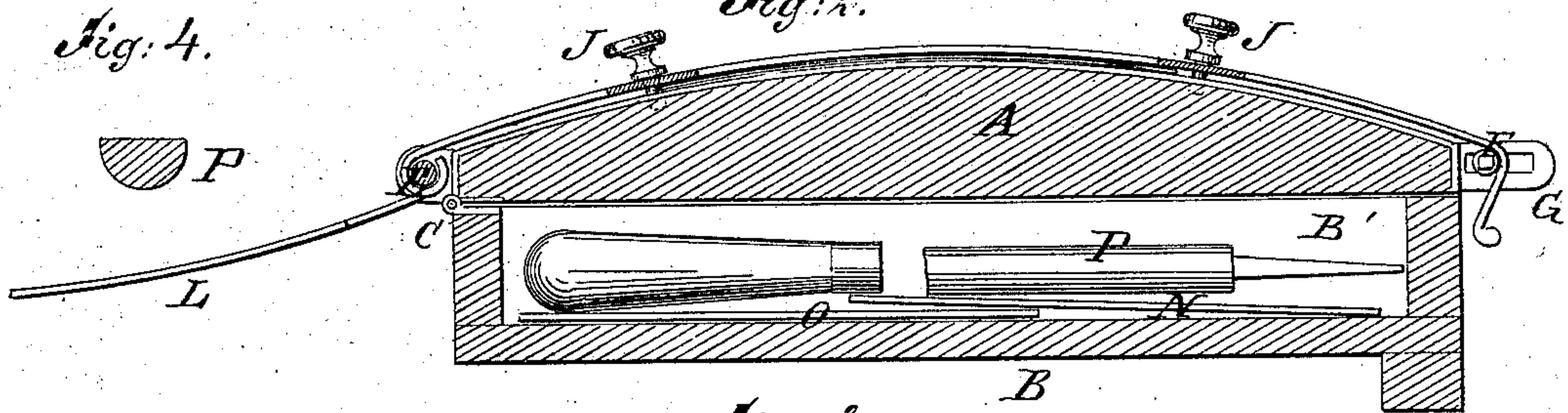
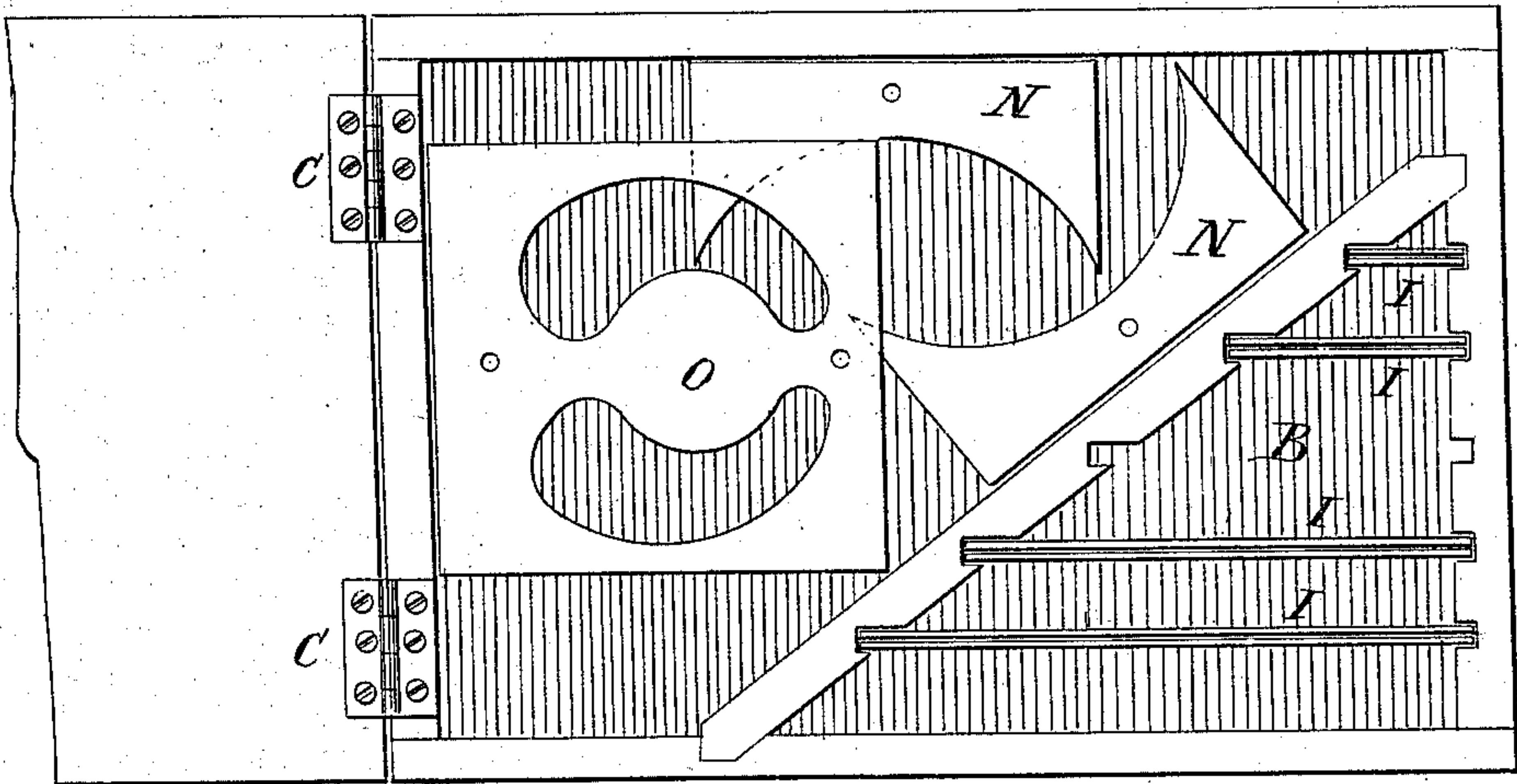


Fig: 3



WITNESSES:

Cres. Nider  
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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN APPARATUS FOR SPREADING PLASTERS.

Specification forming part of Letters Patent No. 154,708, dated September 1, 1874; application filed May 23, 1874.

*To all whom it may concern:*

Be it known that I, WILLIAM G. NEUBAUER, of Long Island City, in the county of Queens and State of New York, have invented a new and useful Improvement in Apparatus for Spreading Plasters, of which the following is a specification:

This invention relates to new and useful improvements in apparatus for spreading adhesive and other plasters; and consists in the construction, arrangement, and combination of the parts hereinafter described.

In the accompanying drawing, Figure 1 is a top or plan view. Fig. 2 is a vertical longitudinal section of Fig. 1 taken on the line *x x*. Fig. 3 is a view of the interior of the lower part B of the case, showing the receptacle for the plates, &c. Fig. 4 is a cross-section of the metallic spreader.

Similar letters of reference indicate corresponding parts.

This apparatus is composed of an upper part or bed, A, and a lower part, B. These two parts are hinged together, as seen at C C, and form a receptacle, B', for the pattern-plates and spreader used in the process of manufacturing plasters. The upper part or bed A is covered with sheet metal, on which the cloth, skin, or paper is laid to receive the plaster or gum. D D are straps of sheet metal, which are hinged to the transverse rod E. The thickness of these straps governs the thickness of the gum which is spread on the cloth.

When the cloth or back of the plaster is laid on the bed, (as indicated by the dotted lines in Fig. 1,) the straps D D are brought down onto it, and are hooked over the transverse straining-rod F. The ends of this rod are confined in slot-holes in the ear-piece G.

H is a thumb-screw, which passes through the rod, and bears against the outside of the part A, to draw back the rod F, and tightly strain the straps over the cloth or back. I I are plates which correspond in thickness with the straps D D. These plates are attached to the bed by thumb-screws J J. The length of these plates governs the width of the plaster.

There is a row of screw-holes, K, in the bed-

plate, and a series of plates, L, of different lengths; and the straps C may be spread apart on the transverse rods, so that a plaster of almost any size may be spread on this bed.

When it is desired to spread an oval plaster the straps D D are slipped to the right and left off the plate L, and that plate, which contains an oval aperture, *m*, is brought down onto the cloth or back of the plaster, and hooked over the straining-rod the same as the straps D D. The thickness of this plate is equal to the thickness of the gum spread for the plaster, and the size of the aperture *m* governs the size of the plaster.

In the receptacle, Fig. 3, are seen plates N N for round plasters, and O is a plate having apertures for ear-plasters. These plates are secured to the bed by thumb-screws, and may be clamped down by the straps D D, as before described.

P is the spreader, which is a metallic bar of any desired length, a cross-section of which is seen in Fig. 4. When the gum or material for the plaster is laid upon the cloth or back this spreader, which has been heated to the proper temperature, is moved over, and melts and spreads the gum (resting upon the straps and plates) evenly over the cloth, leaving the margin of the cloth or back, which is covered by the straps and plates, clean and free from the gum.

It will be seen that, with this apparatus, a plaster of almost any size or shape may be spread in the most convenient and perfect manner. By means of the straps and plates, and other pattern-plates, (used as described,) plasters for special purposes or sizes, prescribed by medical attendants, and of any prescribed materials, may be furnished with the utmost dispatch and correctness.

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

1. An apparatus for spreading plasters, consisting of a bed, A, having adjustable hinged straps D D, and one or more hinged plates, L, all of which hook over a straining-rod, so as to be tightly drawn to clamp the cloth or backs of the plasters onto the bed by means

of a straining-screw, or its equivalent, substantially as shown and described.

2. The patterns N and plates O, constructed and combined with bed A, straps D D, and spreader P, to form round and ear plasters.

3. The slotted ear-pieces G, in combination with the bed A, to allow the straining-rod

to have a horizontal motion, for the purposes described.

WILLIAM G. NEUBAUER.

Witnesses:

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ALEX. F. ROBERTS.