

Robert Glaze

Machine for Dressing Feathers

No 92818

Patented July 20. 1869

Fig. 1.

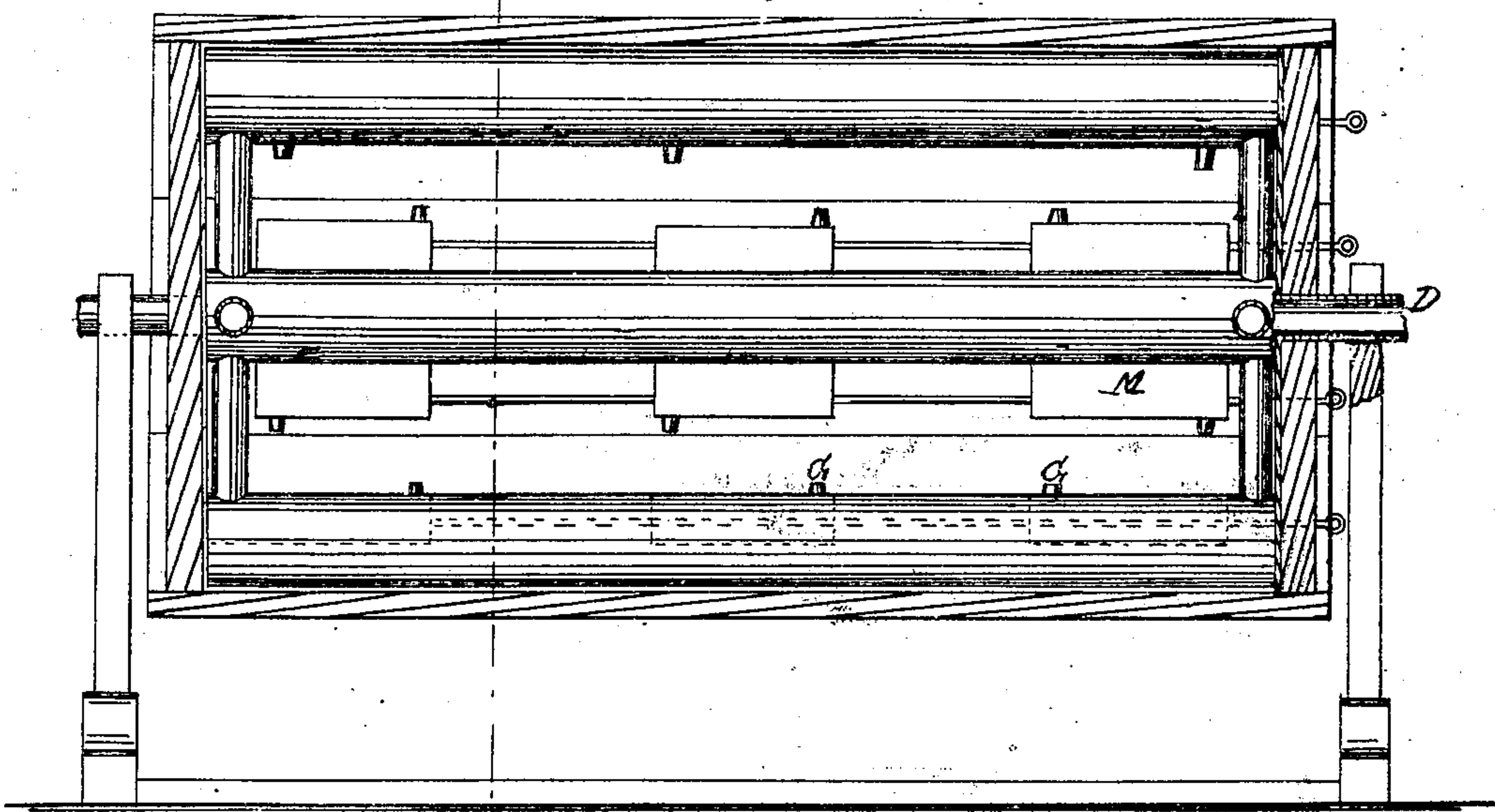
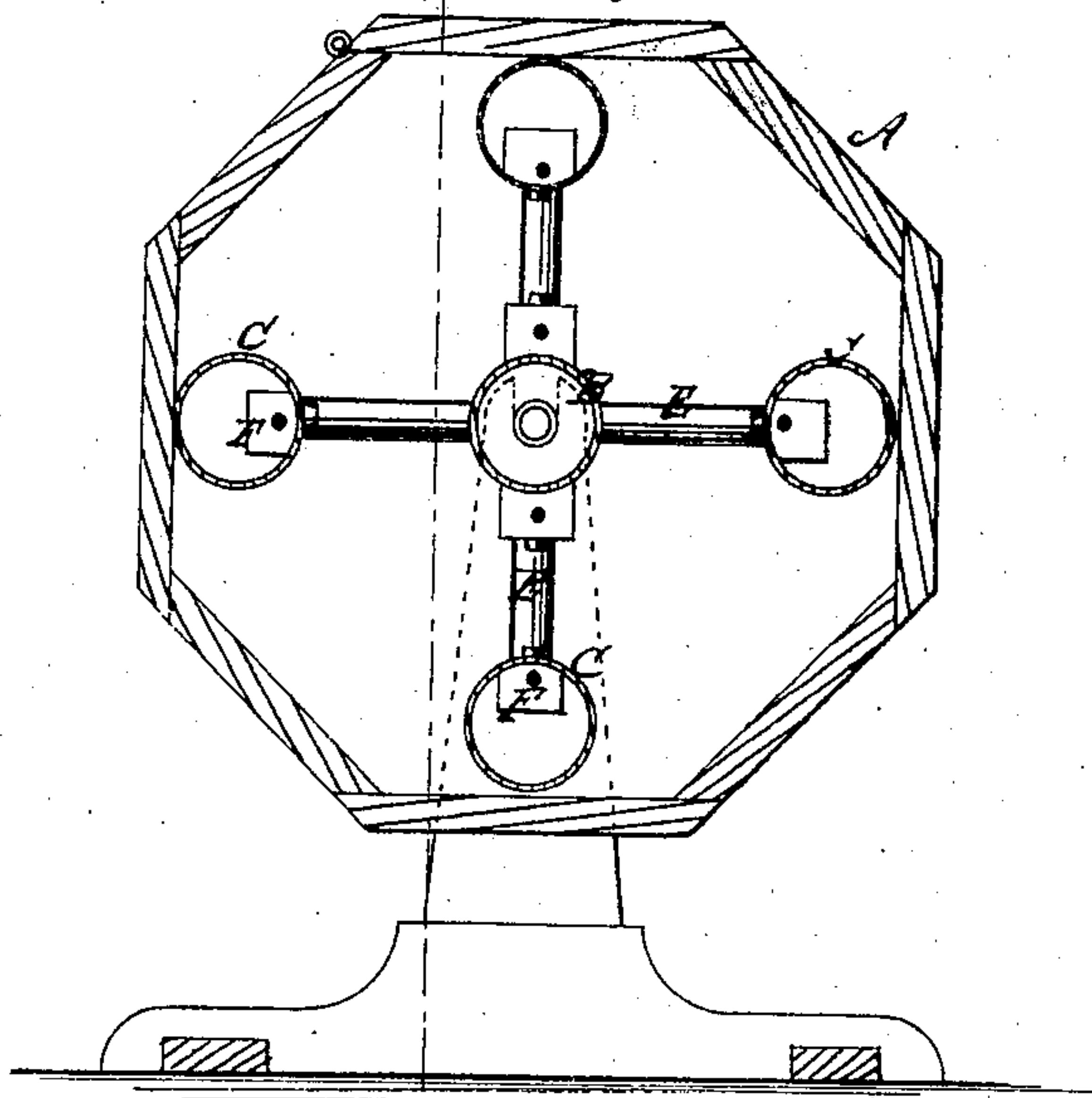


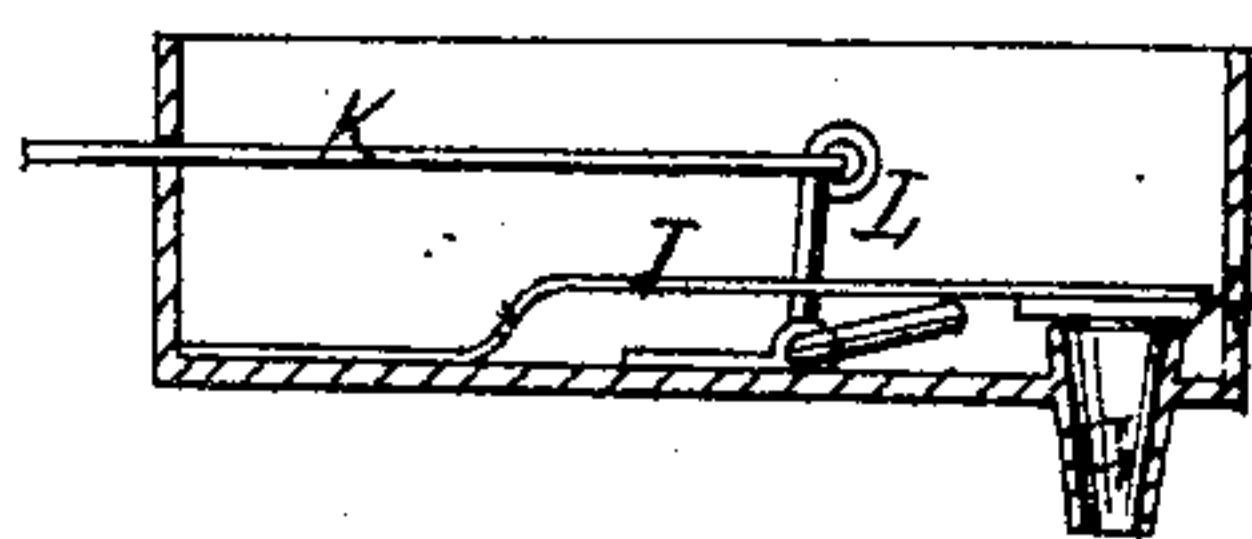
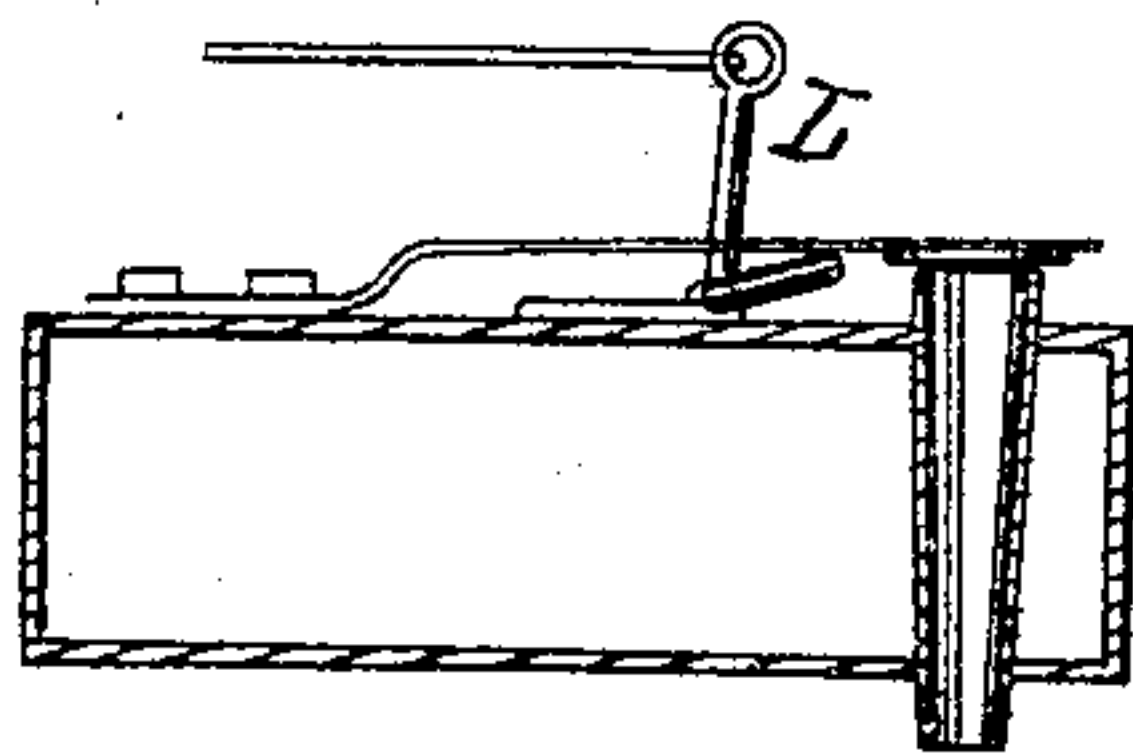
Fig. 2.



Witnesses.

Chas. Nida.
John H. Brooks

Fig. 3.



Inventor

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per *Marion H. H.*
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United States Patent Office.

ROBERT GLORE, OF NASHVILLE, TENNESSEE.

Letters Patent No. 92,818, dated July 20, 1869.

IMPROVEMENT IN MACHINE FOR DRESSING FEATHERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, ROBERT GLORE, of Nashville, in the county of Davidson, and State of Tennessee, have invented a new and improved Machine for Dressing Feathers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in machines for dressing feathers by steaming, designed to provide a more efficient apparatus than any now in use.

The invention consists in the arrangement of heating-tubes and valves within the cylinder, as commonly used in machines of this character.

Figure 1 represents a longitudinal sectional elevation of my improved machine;

Figure 2 represents a transverse section; and

Figure 3 represents details, showing the valves and their operating-mechanism.

Similar letters of reference indicate corresponding parts.

I provide, within the cylinder A, a heating-tube, B, in the axis, and four or more tubes C, supported upon radial arms, against the walls of the cylinder.

The journals of the axis are made hollow for the admission and discharge of the steam, as shown at D, and the arms E are tubular for conveying the steam to and from the tubes C.

Within each of the tubes C, I provide valve-boxes F, having tubes G opening into the space of the cylinder, where the feathers are placed to be operated on.

These tubes are provided with stop-valves H, kept closed by openings I.

For opening the valve, rods K, passing through steam-tight passages in the end of the cylinder and along the tubes, and connected to bell-cranks L, are employed, which will open the valves, when required, by pulling thereon.

In the case of the central tube, I prefer to arrange the valve-boxes on the outside, as shown at M; and I place the rods K also outside, running from one box to another, and passing through steam-tight passages therein.

The steam is first applied directly to the feathers by opening the valves, for steaming them a proper time. It is then shut off, and allowed to circulate through the pipes, passing out at a properly-regulated discharge, for drying the feathers by radiation from the tubes.

The cylinder is rotated during the steaming and drying-operation.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

1. The arrangement of the valve-tubes G, valves H, springs I, bell-cranks L, and rods K, all substantially as specified.

2. The arrangement of the valve-boxes M and rods K with the central tube B, as specified.

ROBERT GLORE.

Witnesses:

W. H. ATWELL,
L. KAHN.