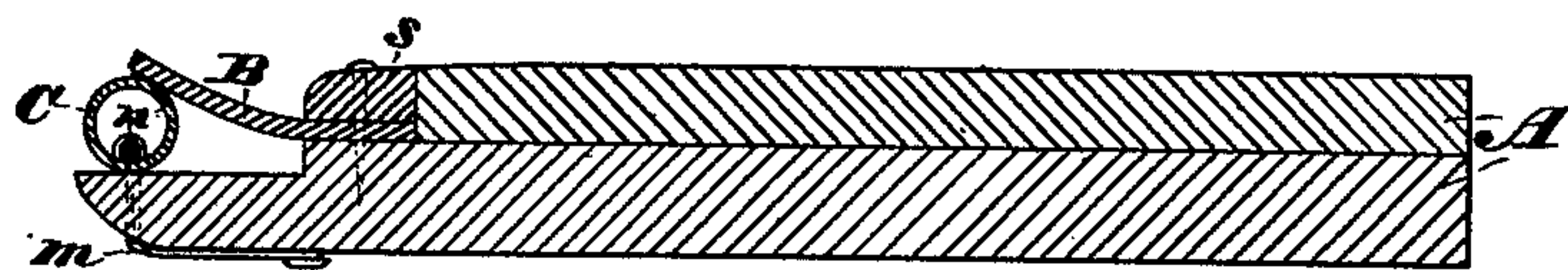
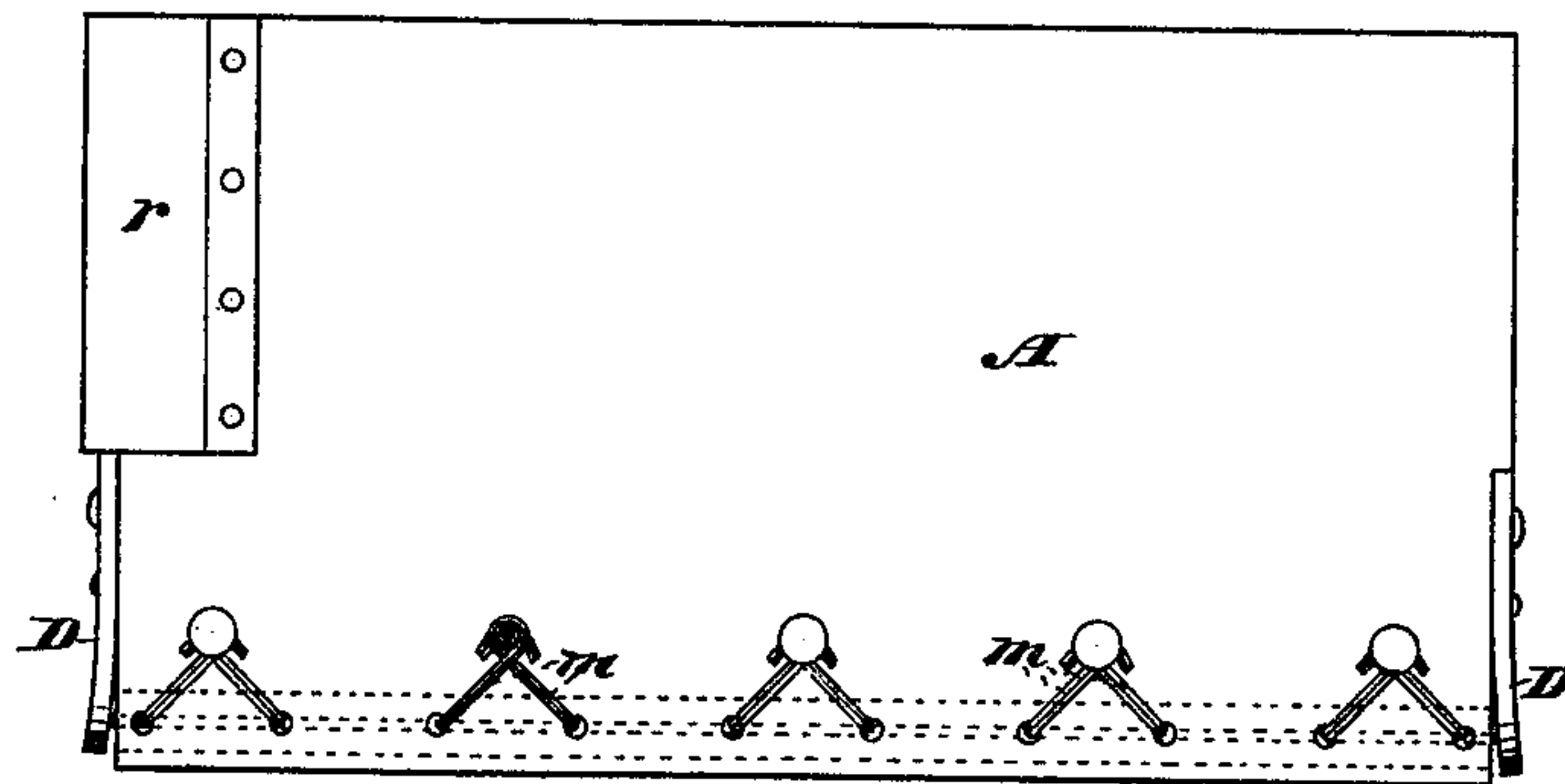
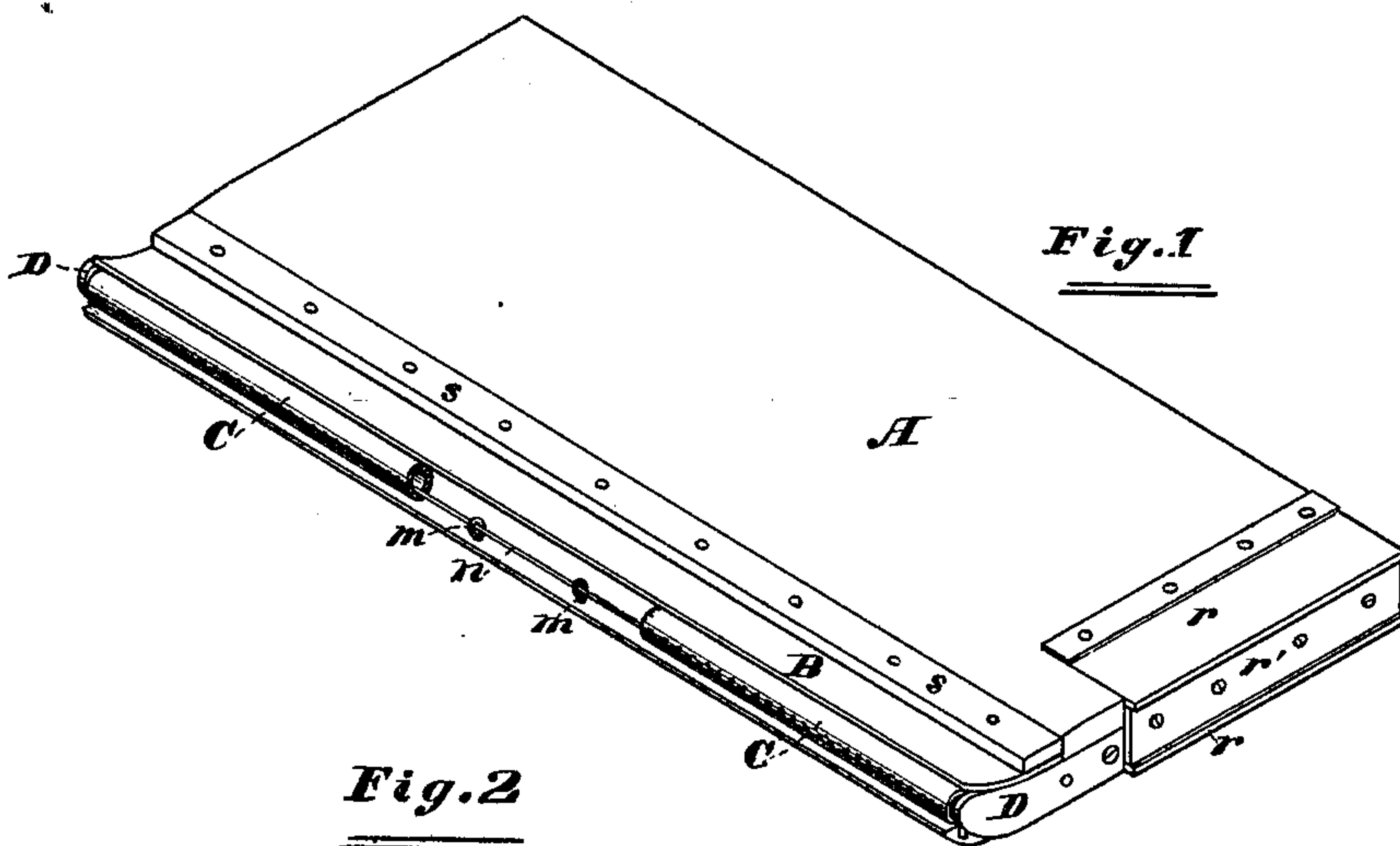


W. C. GAYTON.
Window-Cleaners.

No. 196,006

Patented Oct. 9, 1877.



Attest:

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UNITED STATES PATENT OFFICE.

WILLIAM C. GAYTON, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN WINDOW-CLEANERS.

Specification forming part of Letters Patent No. **196,006**, dated October 9, 1877; application filed August 25, 1877.

To all whom it may concern:

Be it known that I, WILLIAM C. GAYTON, of the city of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Device for Cleaning Windows; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, of which—

Figure 1 is a perspective view, with a portion of the tubular cushion removed to show the mode of fastening; Fig. 2, a plan view of the back; and Fig. 3, a cross-section.

My invention relates to a device for drying and polishing window-panes after they have been washed in the usual manner; and it consists, chiefly, in the novel arrangement, herein-after fully set forth and described, of a rubber strip, a rubber tube forming a cushion, and a flat wooden holder.

Referring to the drawings, A is the wooden holder, which I usually construct as shown, though its general form, aside from the edge to which the rubber devices are attached, may be varied, so as to form a handle adapted to any particular mode of application. The face of the holder is suitably cut away along one edge, so as to afford a thin back for the rubber contrivance to bear against. B is a strip of india-rubber, the lower edge of which is secured to the holder by the wooden strips *s*, and which thence projects outward, its upper edge resting against the cushion consisting of the length of rubber tubing C, which is fastened to the holder in a line a short distance from the edge thereof. To this tubular cushion, owing to its yielding character, the remarkable efficiency of the device is largely due. It may be secured to the wood by any convenient means which will hold it firmly; but I recommend the mode of fastening shown in the drawing as probably the most simple and effective that can be employed. It is as follows: Through holes made at suitable intervals in the wooden back, and extending into the interior of the tube, doubled wires *m m* are passed, so as to form a series of loops within the tube. A thicker wire, *n*, is next passed lengthwise of the tube through all these loops, after which the wires *m m* are drawn tight, and secured in pairs to the wood at the back by tacks, screws, or any other suitable means. The wires thus perform the office of staples, passing over an internal bar and clinching on the outside.

D D are rubber aprons fastened to the holder at its ends, and resting against the extremities of the rubber strip B and tube C. Their purpose is to enter the angles formed by the pane and the sash; and on the outside of the window, where these angles are usually obtuse, they are sufficient. On the inside, however, a right angle is generally formed, which the aprons do not so readily enter; and, for this reason, I usually add a separate device for the corners, to be employed when necessary, consisting of the three plane strips of rubber *r r r'*, fastened to the holder, one on each side and the third at the end of the same, in the manner and position shown.

The mode of using is as follows: The pane having been washed, the rubber is pressed against it and drawn across from side to side, or from top to bottom, a single application to any one part being all that is necessary. This not only removes the moisture from the pane, but leaves it clearer and brighter than several minutes' rubbing with a cloth would serve to render it. If any moisture remains about the edges of the pane, it may be removed in the same manner by that part of my device designed especially for this purpose, as above stated.

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

1. In a device for cleaning window-panes, the combination, upon the holder A, of the tubular cushion C and rubber strip B, constructed and arranged substantially as described.

2. In combination with the tubular cushion C and rubber strip B, arranged, substantially as described, upon the holder A, the aprons D D, for the purpose set forth.

3. The device for cleaning windows, consisting of the holder A, tubular cushion C, rubber strip B, aprons D, and end strips *r r r'*, constructed and combined substantially as described.

4. The herein-described device for holding the rubber tube C in position to the wood, consisting of the bar *n*, passing longitudinally through the said tube, in combination with the doubled wires *m m*, arranged and secured in the manner set forth.

WILLIAM C. GAYTON.

In presence of—

JOHN LILL,
MICHL. PETRIE.