

I. M. MILLER.

Apparatus for Exhibiting Cards, &c.

No. 120,309.

Patented Oct. 24, 1871.

Fig. 1.

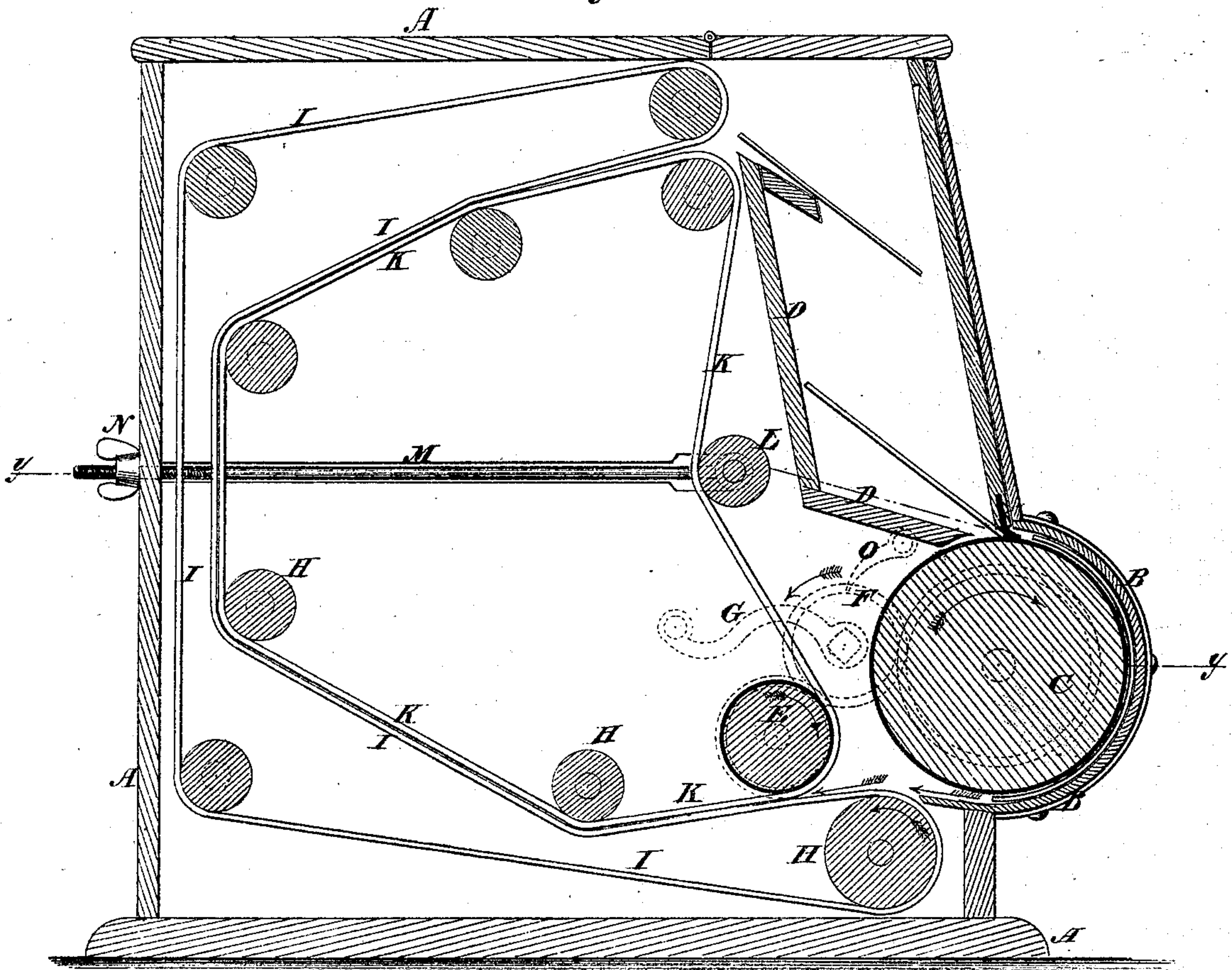
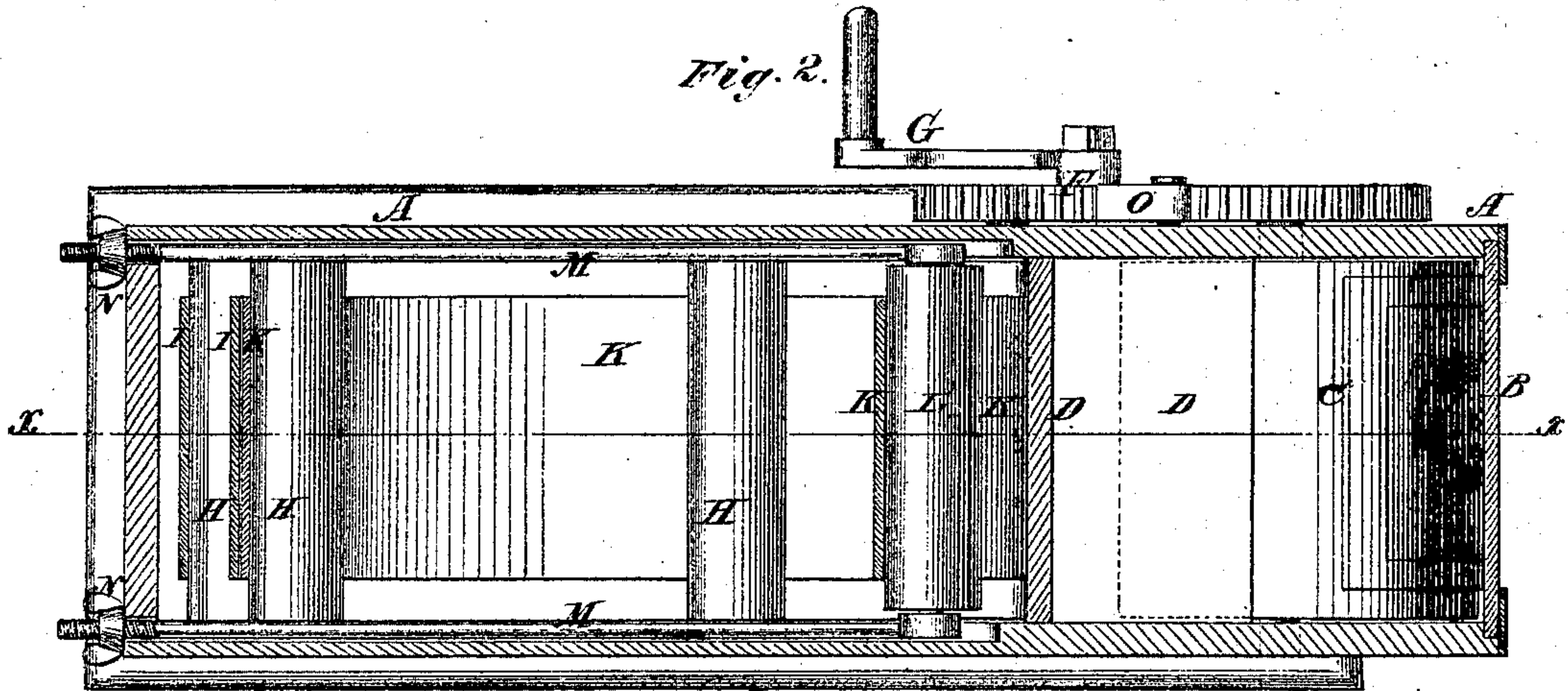


Fig. 2.



Witnesses:

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IMPROVEMENT IN APPARATUS FOR EXHIBITING CARDS, &c.

Specification forming part of Letters Patent No. 120,309, dated October 24, 1871.

To all whom it may concern:

Be it known that I, ISAAC M. MILLER, of Huntsville, in the county of Madison and State of Alabama, have invented a new and Improved Photograph and Advertising-Card Case; 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 drawing forming part of this specification.

My invention relates to improvements in card-cases and apparatus for presenting the cards contained in a case before a glass for being exhibited and moving them away again; and it consists in a pair of endless belts arranged to run together from the under or discharging side of a cylinder to the upper or receiving side, and to receive the cards between them from the cylinder and convey them to the space above; the cylinder in connection with which said belts are used being arranged in front of a concavo-convex glass front and with suitable operating-gear to cause the cards to pass in succession before the glass, all as hereinafter described.

Figure 1 is a longitudinal sectional elevation of my improved machine, the section being taken on the line *x x* of Fig. 2; and Fig. 2 is a horizontal section taken on the line *y y* of Fig. 1.

Similar letters of reference indicate corresponding parts.

A is a case, of wood or other substance, a little wider than the length of the cards to be exhibited and as high and long as its intended capacity will require. It is provided with a concavo-convex glass or other transparent piece, B, in the front; and behind said glass is a cylinder, C, fitting the concavity very nearly and covered with India rubber or other substance that will

cause the cards to adhere to it sufficiently to be carried between it and the glass by friction. Above this cylinder is a chute, D, for conducting the cards to its upper surface near the wall of the case. Behind it is a smaller cylinder, E, also covered with India rubber. These two cylinders are turned in the same direction by a wheel, F, gearing with them and turned by a crank-shaft. H represents a system of guide-rollers for a pair of endless belts, I K, of India rubber or other substance, that will cause the cards to be carried along between them from the bottom of the cylinder to the top for receiving the cards as they are discharged from it and delivering them to it again, the said two belts running together from the point where they receive the discharged cards to the top of the chute, as clearly shown in the drawing. L is a tightening-pulley, working against the belt K, which is drawn by the cylinders E and drives the belt I. The said tightening-pulley is actuated by the rods M and adjusting-nuts N. A pawl, O, acting on one of the gear-wheels, prevents the belts from being turned backward.

As many cards may be contained in one apparatus as can be contained, edge to edge, on the cylinder and between the two belts and in the space above the cylinder.

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

The combination of the endless belts, the cylinder, chute, and concave glass front of the case, all substantially as specified.

ISAAC M. MILLER.

Witnesses:

JOHN W. COOPER,
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