M. MATHER.

CARD EXHIBITOR.

APPLICATION FILED NOV. 6, 1920.

1,389,592. Patented Sept. 6, 1921.

FIG_1_

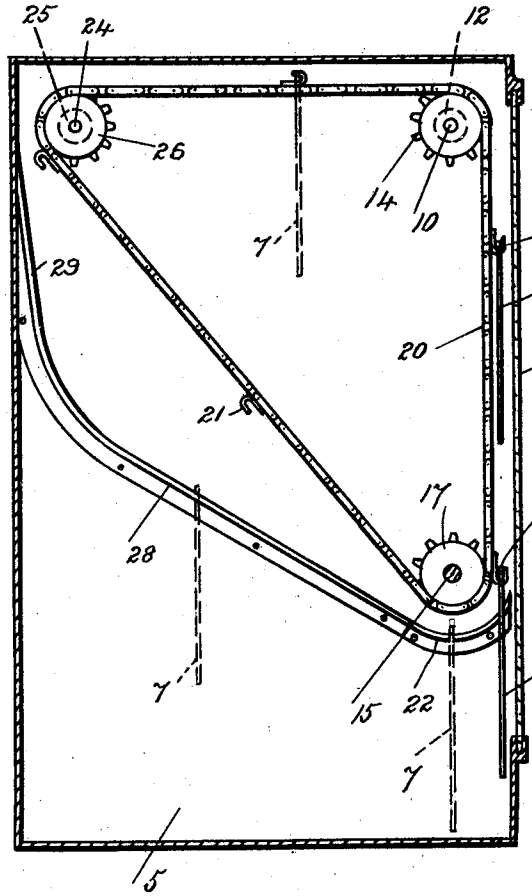



FIG_2_

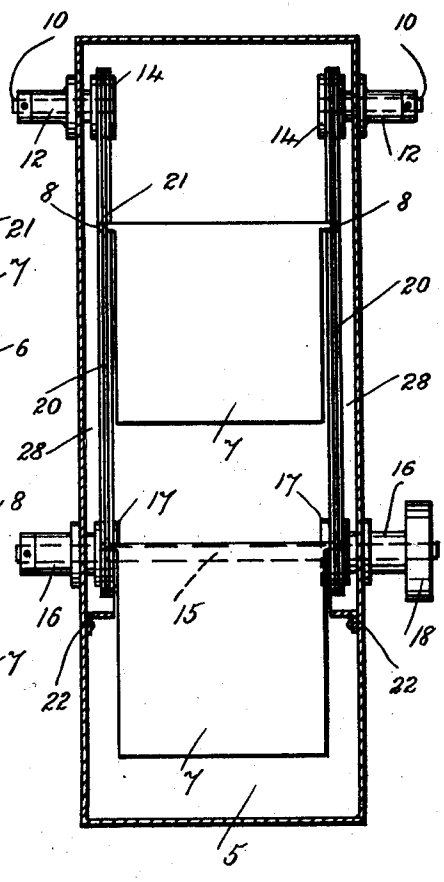
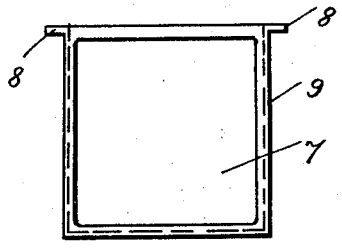



FIG_3_




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# UNITED STATES PATENT OFFICE.

MARION MATHER, OF OLEAN, NEW YORK.

## CARD-EXHIBITOR.

1,389,592. Specification of Letters Patent. Patented Sept. 6, 1921.

Application filed November 6, 1920. Serial No. 422,253.

*To all whom it may concern:*

Be it known that I, MARION MATHER, a citizen of the United States, residing at Olean, in the county of Cattaraugus and State of New York, have invented certain new and useful Improvements in Card-Exhibitors, of which the following is a specification.

This invention relates to machines for exhibiting advertising or other matter on cards which are displayed one after another in regular order; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a vertical section through a card exhibitor constructed according to this invention. Fig. 2 is a front view of the mechanism, with the front side of its casing removed. Fig. 3 is a detail front view of one of the cards and its frame.

The machine is provided with an inclosing casing 5 having a transparent glass front or window 6 through which the cards 7 are displayed. Each card 7 has two laterally projecting lugs 8 at its upper corners. These lugs in some instances may be formed on the cards or plates 7, but they are preferably formed on a frame 9 of any approved construction in which the card 7 is slidable or to which it is otherwise attached or secured. The cards may have advertising matter printed on them, or pictures, or anything else which can be displayed on cards.

Two front stub shafts 10 are journaled in bearings 12 at the upper front part of the casing, and are arranged axially in line with each other. These shafts 10 have guide wheels 14 secured on them, and these wheels are preferably sprocket wheels.

Two rear stub shafts 24 are journaled in bearings 25 at the upper rear part of the casing, and are arranged axially in line with each other. These stub shafts 24 have guide wheels 26 secured on them.

A driving shaft 15 is journaled in bearings 16, and is arranged at the lower part of the casing below the stub shafts 10. The shaft 15 has sprocket driving wheels 17 secured on it and arranged under the guide wheels 14. The shaft 15 is revolved by any approved driving device, such as a belt pulley 18, and it is preferably revolved intermittently.

Two endless drive chains 20 are provided and are arranged parallel to each other, and pass over the sprocket wheels 14, 26 and 17. These drive chains or other equivalent flexible driving bands projecting hooks 21 attached to them, and adapted to engage with the lugs 8 on the cards. Curved rest bars 22 for supporting the cards are arranged below the sprocket wheels 17, and are secured to the sides of the casing. The curved bars 22 form pockets in which the cards will hang stationary until engaged by the hooks on the chains. Each card is raised by the chains, and is exhibited through the glass front of the casing after a pair of hooks have picked it up. The machine is preferably stopped for a portion of the time while the card is being displayed, so that the matter on it may be seen clearly and read.

Guide bars 28 are secured to the sides of the casing, and have upwardly projecting rear end portions 29 arranged to the rear of the guide wheels 26. The guide bars 28 are inclined downwarly and forwardly, and their lower and front ends are connected with the rear ends of the curved rest bars 22.

The position of a card at various points of its passage is indicated in dotted lines. As many cards as convenient are used, and they slide down the inclined guide bars by gravity after they have passed between the rear stub shafts, and have been discharged by the drive chains. The cards are picked up by the hooks on the chains, from the curved rest bars 22, and are displayed through the glass window.

What I claim is:

In a card exhibitor, a casing, driving wheels journaled in the casing, front and rear guide wheels journaled in the casing above the level of the driving wheels, endless flexible connections passing over the said wheels, curved rest bars arranged under and substantially concentric with the said driving wheels, inclined guide bars extending upwardly from the rear ends of the rest bars to points beyond the rear guide wheels, display cards having lugs adapted to slide on the said guide bars and rest bars, and hooks carried by the said flexible connections and operating to engage with the lugs on the display cards when supported by the rest bars and to drop the cards as they pass over the rear guide wheels so that they fall onto the said guide bars and slide down them onto the rest bars.

In testimony whereof I have affixed my signature.

MARION MATHER.