

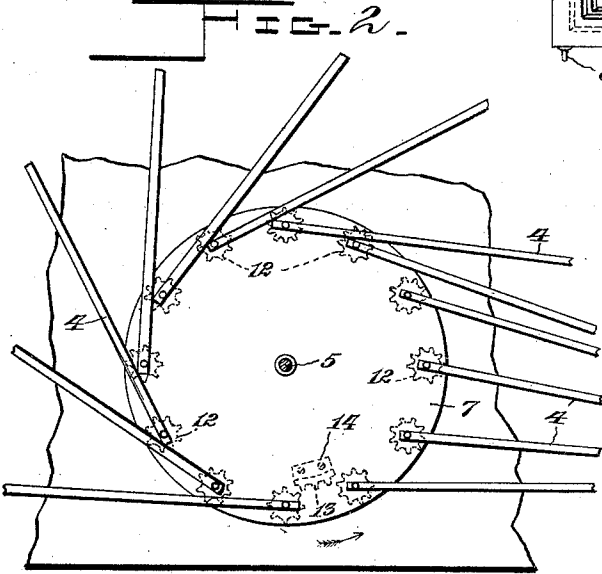
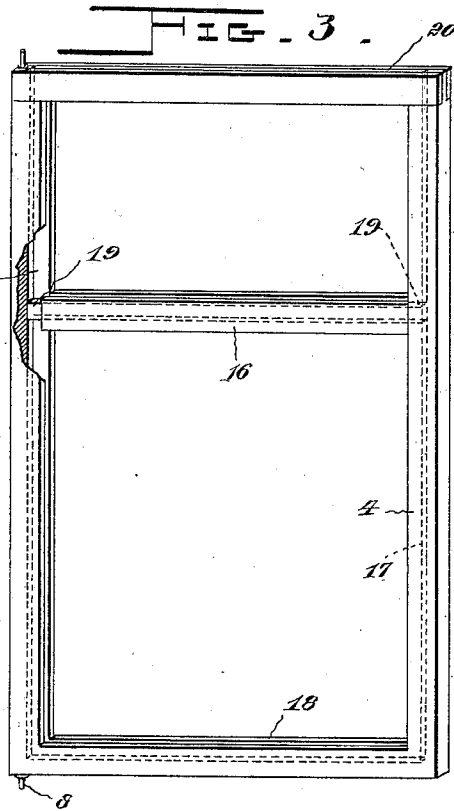
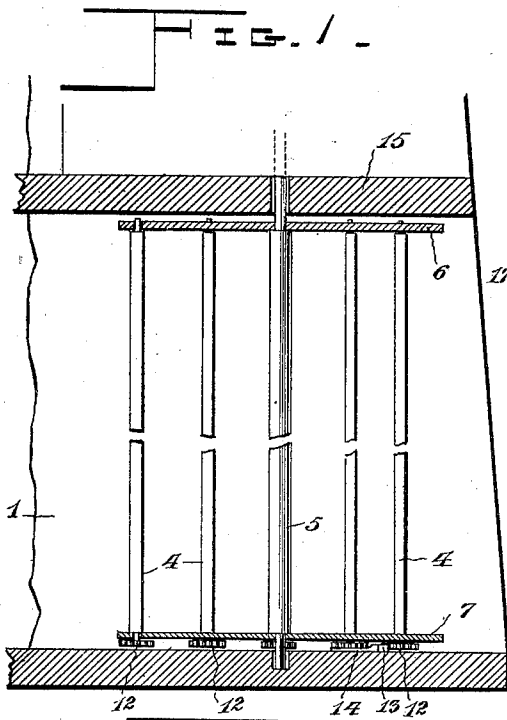
No. 652,192.

Patented June 19, 1900.

J. A. MANGOLD.  
CARD EXHIBITOR.

(Application filed June 21, 1899.)

(No Model.)



Witnesses

*John F. Deffenwerd*  
*J. F. Riley*

By *his* Attorneys,

*John A. Mangold*, Inventor

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# UNITED STATES PATENT OFFICE.

JOHN A. MANGOLD, OF MOUNDSVILLE, WEST VIRGINIA.

## CARD-EXHIBITOR.

SPECIFICATION forming part of Letters Patent No. 652,192, dated June 19, 1900.

Application filed June 21, 1899. Serial No. 721,358. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN A. MANGOLD, a citizen of the United States, residing at Moundsville, in the county of Marshall and State of West Virginia, have invented a new and useful Card-Exhibitor, of which the following is a specification.

The invention relates to improvements in card-exhibitors.

The object of the present invention is to improve the construction of card-exhibitors and to provide a simple and comparatively-inexpensive device designed for displaying pictures, advertising matter, and the like and capable of positively swinging the frames for supporting the pictures across the front of the casing of the device.

A further object of the invention is to improve the construction of the frames for holding cards and pictures and to enable the same to be quickly changed when desired.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a vertical sectional view of a card-exhibitor constructed in accordance with this invention. Fig. 2 is a horizontal sectional view of the same. Fig. 3 is a detail perspective view of one of the pivoted frames.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a casing designed to be constructed either plain or ornamental and receiving a rotary support carrying a series of pivoted frames 4 and consisting of a shaft 5 and upper and lower heads or disks 6 and 7, mounted on the shaft and rigidly secured to the same. The frames 4 are pivotally mounted on the plates 6 and 7, at the peripheries thereof, and the lower pivots 8 have rigidly secured to them pinions 12, adapted to successively engage and mesh with teeth 13 of a fixed device 14, mounted on the bottom of the casing, at the front thereof, as clearly illustrated in Fig. 2 of the accompanying drawings.

The shaft rotates in the direction of the arrow in Fig. 2 of the accompanying drawings,

and the pivoted frames are slowly brought to the front of the casing, two of the frames being exposed simultaneously. When a frame arrives at the left-hand side of the casing, its pinion 12 meshes with the teeth of the fixed device, and it is positively swung across the front of the casing. The gear-wheels or pinions of the pivoted frames are adapted to mesh with the fixed device successively and independently, whereby each pivoted frame will be positively swung across the front of the casing as it arrives at that point. The pictures or other matter carried by the frames are successively exhibited, as will be readily apparent.

The frames, which are rectangular, are each provided with an adjustable bar 16, which is adapted to divide the frames 4 into upper and lower portions, so that a picture and a card containing advertising or other matter may be exhibited at each side of said frame. The frame 4, which may be constructed of light wood or other suitable material, is provided with bottom and side grooves 17 and 18, and the bar 16 is provided with upper and lower grooves, and it has tongues or projections 19, fitting in the side grooves of the frame. The top of the frame is composed of two strips or pieces spaced apart to provide an opening 20 to enable a card to be readily introduced into the upper portion of the frame. One or more of the adjustable bars 16 may be employed to divide the frame into two or more spaces, and the lower picture is first introduced into the frame with its edges arranged in the side and bottom grooves 17 and 18 and in the lower groove of the adjustable bars 16, and the upper one may be then introduced into the frame through the opening 20. A pair of pictures or cards is arranged back to back in the upper and lower portions of the frame, so that a picture and other matter will be exposed when either face of the frame is turned to the front.

It will be seen that the exhibitor is simple and comparatively inexpensive in construction, that it is adapted, by reason of the shaft being in a vertical position, of being operated at the expenditure of a minimum amount of power, and that the pivoted frames are rapidly and positively swung across the front of the casing. It will also be apparent that

the opposite faces of two of the frames are simultaneously exposed and that the cards or pictures may be readily changed when desired.

5 Changes in the form, proportion, size, and the minor details of construction within the scope of the appended claims may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

10 What is claimed is—

1. A device of the class described comprising a casing, a rotary carrier arranged within the casing, pivoted frames mounted on the rotary carrier, gear-wheels connected with the pivots of said frames, and a fixed device arranged in the path of the gear-wheels and provided with teeth to mesh with the latter, said gear-wheels being adapted to mesh with the fixed device successively and independently, whereby each pivoted frame will be

positively swung across the front of the casing as it arrives at that point, substantially as described.

2. A device of the class described provided with a pivoted frame having bottom and side grooves and provided at the top with an opening, and an adjustable bar extending across the frame to divide the same into upper and lower portions, and having upper and lower grooves, and provided at its ends with tongues fitting in the side grooves of the same, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN A. MANGOLD.

Witnesses:

W. H. HOOD,

W. A. GRANDSTAFF.