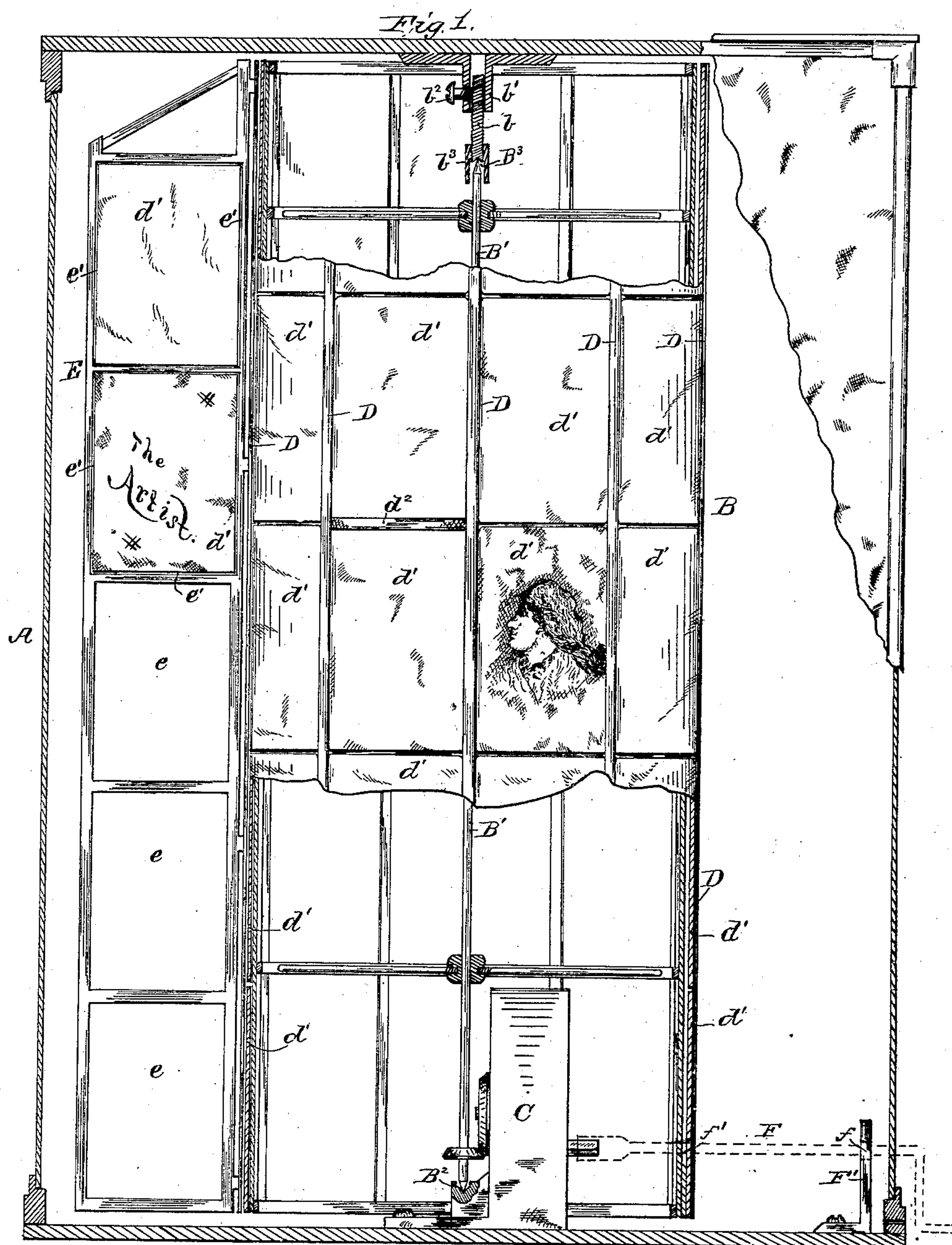


2 Sheets—Sheet 1.

No. 336,478.

Patented Feb. 16, 1886.



WITNESSES:

Simon Traub

Samuel Despres-

INVENTOR

Joseph W. Pawkes

By Cyrus K. K.

Atty

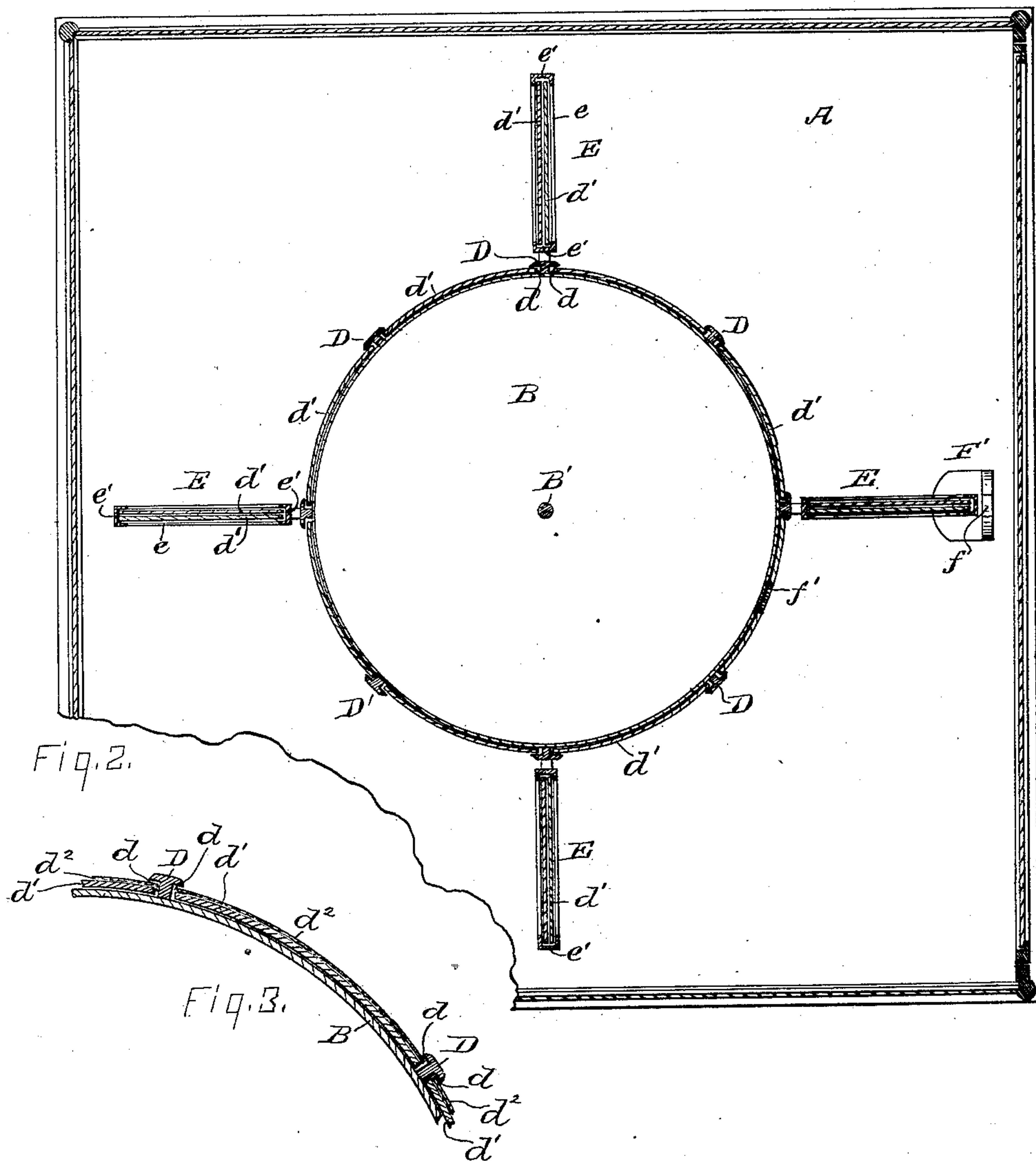
(No Model.)

2 Sheets—Sheet 2.

J. W. FAWKES.
ADVERTISING APPARATUS.

No. 336,478.

Patented Feb. 16, 1886.



WITNESSES:

Simon Strauss
Samuel Despres.

INVENTOR:

Joseph W. Fawkes
By Cyrus Beck
Atty.

UNITED STATES PATENT OFFICE.

JOSEPH W. FAWKES, OF OAK PARK, ILLINOIS.

ADVERTISING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 336,478, dated February 16, 1986.

Application filed May 14, 1885. Serial No. 165,499. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH W. FAWKES, a citizen of the United States, residing at Oak Park, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Advertising Apparatus; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to mechanical advertising devices, and has reference more especially to a rotating device for holding display-cards, photographs, and similar articles. In the accompanying drawings it is shown inclosed within a glass case.

Figure 1 is a vertical section near the middle of the case. Fig. 2 is a horizontal section taken near the bottom of the case. Fig. 3 is a fragmentary section of the wall of the cylinder.

A is the case having a solid base and head and glass sides, one of the latter being hinged to form a door.

B is a rotating cylinder supported on the central shaft, B', which is geared or otherwise connected with a spring-motor, C. For the purpose of reducing friction to the minimum the ends of said shaft are pointed and set in centers B² and B³, the former resting on the floor of the case, and the latter being supported from the lower side of the head of the case. In order to make the center B³ adjustable it is sunk into the end of a short adjustable shaft, b, which is held in a socket, b', by means of a set-screw, b². The lower end of the shaft b supports a downwardly-extending sleeve, b³, which surrounds the upper end of the shaft B', but is so large as not to come in contact with the latter. This allows the centers to be set at the proper distance when the cylinder is placed in the case, or to be reset if they should afterward change from the warping of the case or otherwise. In case the end of the shaft escapes from the center B³, the sleeve b³ will prevent it from falling until it can be reset.

The cylinder B is preferably hollow and open at its ends, and long enough to extend

closely to the floor and head of the case A. The shaft, bearings, and motor may then be hidden within the cylinder. If desired, however, the motive power may be applied from without the cylinder or case. Over the surface of the cylinder are placed parallel T-shaped cleats D, forming on each side a groove or way, d. Between these cleats I place a series of cards, d', with their edges resting in the ways d. These cards may bear advertisements, engravings, photographs, or any other matter or articles which can be supported by or mounted on cards. The cards are made to meet each other at their ends. Sometimes they do not fit sufficiently close within the ways d to be held in place. To so hold them they may have a straight piece of ribbon metal, d², placed over their ends, the ends of said ribbon extending beneath the cleats D. The elasticity of the ribbon or spring will cause it to press upon the ends of the cards and bind them in place, and said ribbon also serves the further purpose of giving the face of the cylinder a finished appearance. To enhance said appearance the ribbon or spring may be burnished, plated, or painted. As shown by the drawings, the ribbons d² are held only by their pressure on the cards d'; hence they may be readily removed to replace or rearrange the cards.

E E are wings projecting outwardly from the cylinder parallel to the cleats D, each provided along its faces with a series of ways or apertures to receive cards d'. The drawings show these wings provided with a series of rectangular openings, e, having the inner groove e' to receive the edges of the cards. Two cards, d', may be placed back to back in each opening e, and each presented to view as the cylinder rotates. By the addition of these wings to the cylinder twice the number of cards may usually be displayed to good advantage.

When a spring-motor is arranged within the cylinder C, as shown in Fig. 1, such motor must be wound by means of a long removable crank, F. (Shown in outline.) To prevent the outer end of said crank from moving laterally and straining or breaking the mechanism of the motor of the cylinder, it is supported in a standard, F', placed just within the case A, and having a notch or hole, f, to re-

ceive the shank of the crank. In case the motor has more than one spring-shaft the standard F' may be provided with two or more holes, f . When the lower end of the cylinder 5 C extends farther down than the spring-shafts of the motor, the wall of the cylinder is to be provided with a hole, f' , horizontally in line with said spring-shaft and the standard F' , through which the crank F is to pass in reach- 10 ing the motor for winding.

The motor is wound and allowed to rotate the cylinder continuously.

I claim as my invention—

1. A hollow rotary advertising or display 15 cylinder having its bearings and motor arranged within itself, substantially as shown and described.

2. The combination of the cylinder B, shaft B' , center B^2 , and adjustable center B^3 , sub- 20 stantially as shown and described.

3. The combination of the shaft B' , adjustable center shaft, b , socket b' , and set-screw b^2 , substantially as shown and set forth.

4. The combination of the shaft B' , adjustable centered shaft b , and sleeve b^3 , substantially as shown and described. 25

5. In a hollow rotary advertising or display cylinder having a motor arranged within said cylinder, a hole, f' , on the wall of said cylinder, substantially as shown and described. 30

6. The combination, with the rotary cylinder B, actuated by the motor C, located within said cylinder, of a standard, F' , located near the wall of said cylinder, substantially as shown, and for the purposes herein set forth. 35

7. The combination, with an advertising-cylinder, B, of the cleats D, cards d' , and ribbon-springs d^2 , arranged substantially as shown and described.

In testimony whereof I affix my signature in 40 presence of two witnesses.

JOSEPH W. FAWKES.

Witnesses:

CHARLES H. ROBERTS,
CYRUS KEHR.