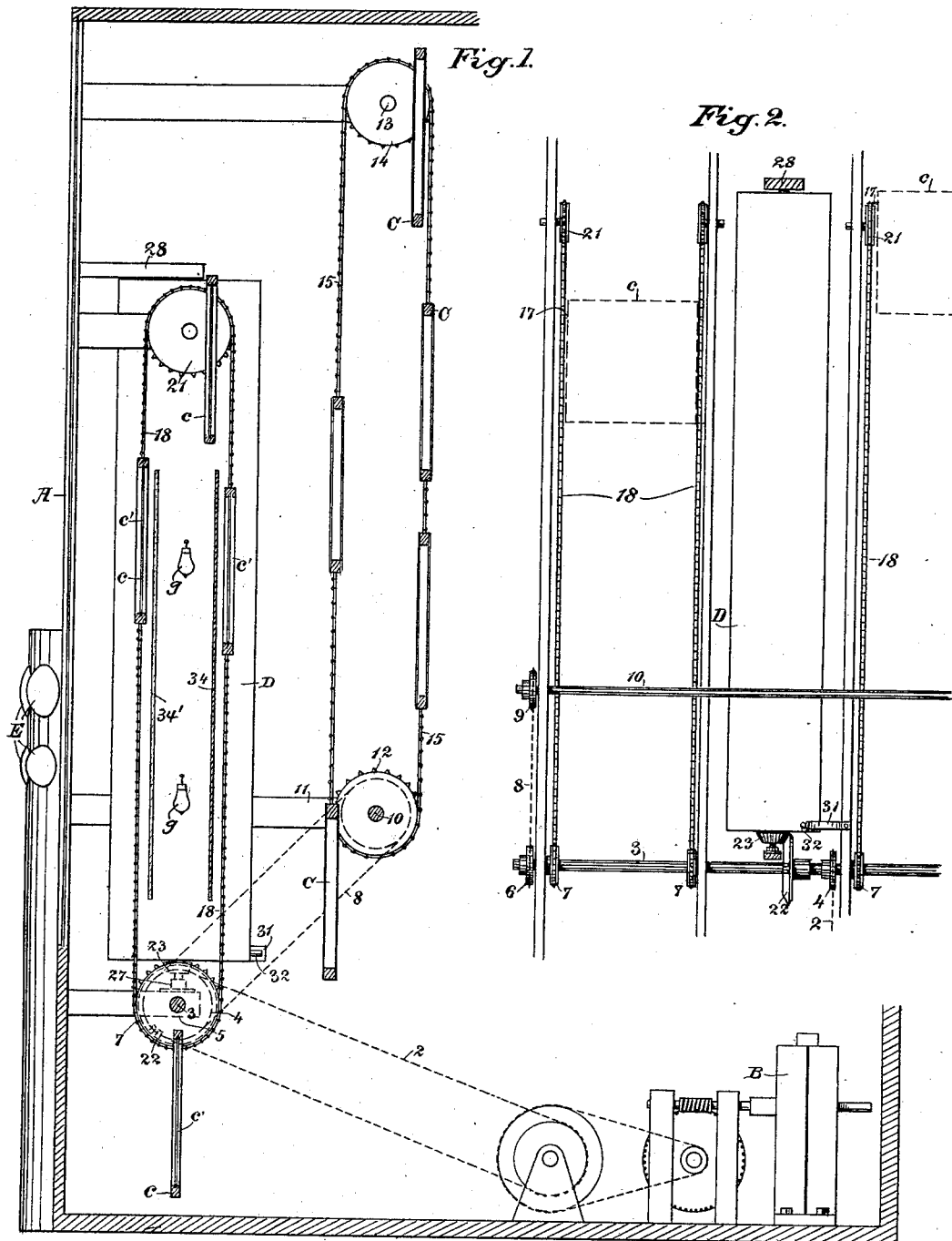


J. W. FAWKES, JR.
MOVABLE ADVERTISING DEVICE.

(No Model.)

(Application filed Oct. 4, 1900.)

2 Sheets—Sheet 1.



Witnesses,
Attest
J. F. Aschbeck

Inventor,
Joseph M. Fawkes Jr.
By Derrick Strong & Co. atty

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2 Sheets—Sheet 2.

Fig. 3.

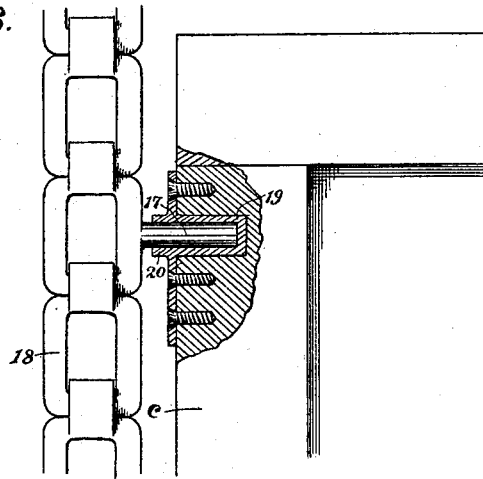


Fig. 4.

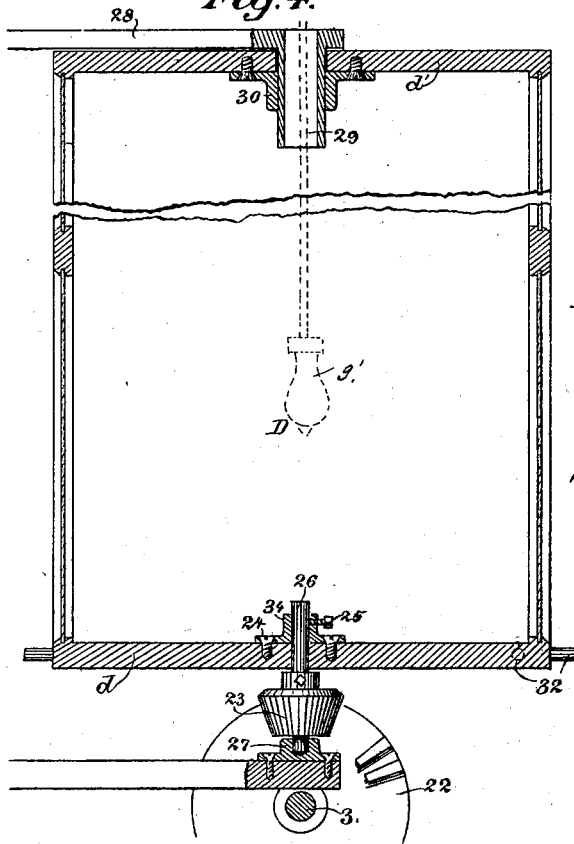
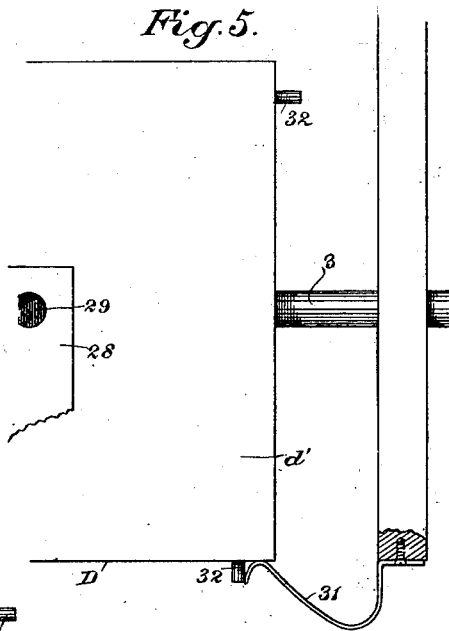


Fig. 5.



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UNITED STATES PATENT OFFICE.

JOSEPH W. FAWKES, JR., OF SAN FRANCISCO, CALIFORNIA.

MOVABLE ADVERTISING DEVICE.

SPECIFICATION forming part of Letters Patent No. 676,126, dated June 11, 1901.

Application filed October 4, 1900. Serial No. 31,997. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH W. FAWKES, JR., a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented an Improvement in Movable Advertising Devices; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to an improved movable advertising device.

It consists of the parts and the constructions and combinations of parts hereinafter described and claimed.

Figure 1 is an end section of the device. Fig. 2 is a rear view of the same. Fig. 3 shows the manner of attaching the advertising-frames to the chain. Fig. 4 is a vertical section through a column. Fig. 5 is a top view of the same.

A represents a cabinet or other suitable frame of desired shape and dimensions.

B is a motor imparting motion to the mechanism in the frame through a worm-gear, the belt or chain 2, and the shaft 3, carrying the sprocket-pulley 4.

The shaft 3 is journaled in the frame, as at 5. Upon this shaft and adjacent to its ends are fastened driving-pulleys 6, which carry endless chains 8. These chains 8 pass over pulleys 9, fastened at the ends of a shaft 10, which latter is parallel to shaft 3. Shaft 10 has suitable journals in A on 11. A second set of driving-pulleys 12 are secured upon 10 and near the ends and between pulleys 9. Vertically above 12 are short shafts 13, carrying at their ends pulleys 14, over which pass endless chains 15 of equal length. Certain of the links of these chains 15 have extensions or lugs 17 on their sides in such way as to offer points upon which are swung the advertising-frames C, carried between the chains. The bearing for these pivot-pins 17 consists of a plate having a tubular recess or socket 19 and an outer flange extension 20. These plates are attached to the frame C at a distance from the top a little less than the radius of the pulley-wheels 12. Thus a frame carrying a picture or advertisement hung on the pins 17 and between the parallel operating-chains 15 always retains a steady vertical position during the revolution of these chains

by reason of the pulleys 14 allowing the frame to pass freely between them and by reason of the distance from the pivot-pins 17 to the top edge of the frame being such as to permit the frame to swing beneath the shaft 10. The ends of the pins 17 bear upon the bottom of the recess 19 and so hold the frame in proper position and out of contact with the chains. The flanges 20 further prevent side play and offer larger and better bearing-surfaces for the pins 17 than would be given by the recesses 19 alone. A frame is removed at any time desired by springing the carrying-chains apart, when the pins 17 readily disengage from the sockets 19. Both front and back of these frames C are covered with canvas or other suitable material, and upon each of which are advertisements, paintings, or photographs, &c.

Upon the power-shaft 3 are arranged sets of pulleys 7, carrying endless chains 18, passing over other pulleys 21. The latter pulleys are similarly mounted upon short shafts and inside the bearings of these shafts, as pulleys 14. They are arranged in pairs vertically above their relative pulleys 7, and the chains 18 are similar in construction to the chains 15 and carry frames c, similarly mounted as C. These pairs of chains, with their respective frames, I shall refer to as "endless carriers." Instead of canvas the frames c are intended to carry translucent pictures and advertisements c'. A reflector 34, as a sheet of bright tin, and a plate of ground glass 34' or other light-diffusing substance are placed within each of these carriers. Between the glass and the reflector are strong incandescent lights g.

Upon the power-shaft 3, intermediate of the different pairs of pulleys 7, are arranged mutilated gears 22. Each of these gears is intended to engage a beveled gear 23 upon the end of a vertical column D. This column D is hollow, with sides as of ground glass, and having suitably-mounted translucent pictures, advertisements, &c. The bottom d has upon its inner side a bearing consisting of a plate 24, having an upwardly-extending flange 34 and set-screw 25. Within this bearing is held the shaft 26 of the gear 23. The lower end of 26 is stepped, as at 27. This bearing connection permits of a wide range of adjust-

ment. The column D is supported at the other end by a bearing, which consists of an angle-plate, as 28, suitably attached to the cabinet and having a sleeve extension 29 extending into a sleeved plate 30 upon d'.

29 is hollow to admit of an electric wire to the interior of the column and connecting with one or more incandescent globes g'.

The column D may be cylindrical or polygonal. I have shown it as square, and the mutilated gear acts upon the bevel-gear 23, so that with each engagement the column is given a quarter-turn and a new face is presented to view. That the column may not swing too far and may be held in the proper position and the gears be engaged at the proper time, I arrange a spring 31, fastened to a support, within the cabinet and adapted to bear upon a corner of the column and against a pin 32 upon the side of D. There is one of these pins on each of the sides and near the vertical edges of the column.

Thus, as described, my machine has a "back" portion carrying the large exteriorly-lighted pictures and frames C, and the "front" having the series of smaller translucent pictures c', and the vertical translucent columns D, actuated by the common power-shaft 3. It is intended that the back portion shall extend above the front, so that pictures and different sets of pictures are visible from both front and rear of the machine.

I do not desire to limit myself as to the number or the size of the carriers or columns. They may be of varying sizes in the same machine. The pictures upon certain of these carriers are viewed through magnifying-lenses E.

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

1. In a movable advertising device, the combination with a framework, of a constantly-operating power-shaft, constantly-operating endless carriers, intermittently-operating vertical columns located between adjacent carriers and means for illuminating the interior of both the columns and the carriers.

2. In a movable advertising device, the combination with a cabinet or suitable framework of a power-shaft, constantly-operating endless carriers in vertical line therewith, intermittently-operating vertical columns upon the power-shaft and interposed between adjacent carriers, and a carrier in rear of the first-named carriers and extending above the latter to expose its advertising-face.

3. In a movable advertising device, the combination with a support and means of furnishing constant power, intermittently-revolving vertical columns in the same plane with and interposed between sets of constantly-moving endless carriers, means for illuminating the interior of the said carriers and columns, and a second set of constantly-

operating endless carriers in rear of and extending above the first-named carriers.

4. In a movable advertising device, the combination with a cabinet, of two or more sets of endless carriers in parallel planes, the rear set adapted to carry frames between them and above the top of the front set, whereby both front and rear of the cabinet, and also both sides of the rear endless carrier, present advertising-faces, said front set of carriers provided with translucent frames and means for illuminating the same from within the carriers and means for operating the carriers.

5. The combination in a cabinet of two or more sets of constantly-operating endless carriers in planes parallel with each other, the front set of carriers provided with translucent frames and the rearward carrier extending above the top of the front carrier, vertical columns in the same plane with the front carrier and adapted to present intermittently different faces by partial revolutions of the column, illuminating devices within the columns and front set of carriers and means including a single power-shaft and connections actuated thereby for operating the carriers and columns.

6. In an advertising device, the combination of a vertical translucent column, mounted in adjustable bearings, one of said bearings carrying a beveled gear engaging with a mutilated gear, by which the column is turned a certain part of a revolution and a new face thus presented with each engagement, of a means including pins on the sides of the column and a spring fixed to a support and adapted to engage said pins for holding lightly the column in proper position and preventing its turning too far after each engagement, and of means for supplying constant power to the mutilated gear.

7. The combination in an advertising device, with a cabinet or suitable support, of a constant source of power actuating sets of continuously-moving endless chains in parallel planes, said chains having certain of their links provided with lugs upon which are pivoted frames between the chains in these various sets, means for mounting the chains by which these frames retain a vertical position throughout their travel of translucent vertical columns mounted upon adjustable bearings, means for rotating the columns intermittently, a spring bearing against a pin upon the side of each column, and also against the column, of means for illuminating the columns.

In witness whereof I have hereunto set my hand.

JOSEPH W. FAWKES, JR.

Witnesses:

S. H. NOURSE,

CHAS. E. TOWNSEND.