

J. F. WERNER.
Clock Advertiser.

No. 200,009.

Patented Feb. 5, 1878.

Fig. 1.

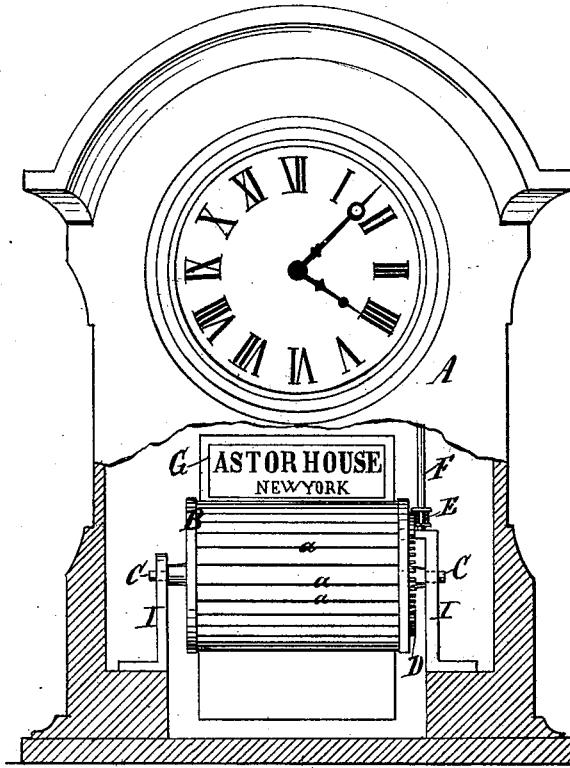
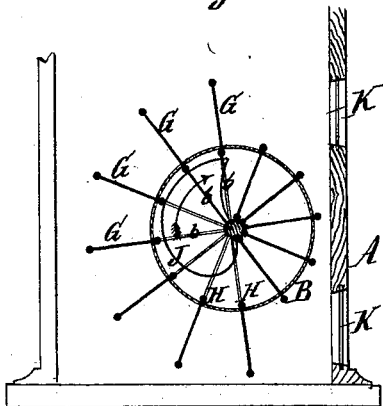


Fig. 2.



Witnesses:
Wm. J. Morgan.
F. A. Thayer.

Inventor:
John F. Werner
By St. P. Thayer
att'y

UNITED STATES PATENT OFFICE.

JOHN F. WERNER, OF NEW YORK, N. Y., ASSIGNOR TO WILLIAM C. SPELLMAN, OF SAME PLACE.

IMPROVEMENT IN CLOCK-ADVERTISERS.

Specification forming part of Letters Patent No. **200,009**, dated February 5, 1878; application filed October 19, 1877.

To all whom it may concern:

Be it known that I, JOHN F. WERNER, of New York city, in the county and State of New York, have invented new and useful Improvements in Clock-Advertisers, of which the following is a specification:

My invention relates to movable apparatus for alternately exposing advertising cards, bills, &c., to view, and removing them from sight, being operated by a clock or other motive power; and it consists of a revolving drum, wheel, or frame, in which the cards or bills are placed, and are caused, by the rotation of the drum or wheel, to project during a part of their course, so as to be seen for a certain time and then to be retired within the wheel and concealed, so that a number of different cards will be successively rendered visible.

I prefer to use it in connection with a clock, as the most ready, simple, and cheap motive power for operating it; but any other suitable power may be used, or special motive power may be provided for it.

In the accompanying drawing, Figure 1 is an elevation of a clock, with a part of the case in section, showing the advertiser located in the lower part of the case, and being geared with a shaft which will, in practice, be geared with the clock-movement in any approved way; and Fig. 2 is a section of the clock-case from front to back and transversely of the advertiser.

A represents the front of a clock-case, in the lower part of which is a drum, B, which is arranged on the stationary shaft C so as to revolve freely, and has a toothed rim, D, by which, in this example, it is geared with the clock-movement through the pinion E and the shaft F, the latter to be extended up to the

clock-train, and geared therewith by any suitable means, which need not be shown; or it may be geared with any motive power.

The rim of the drum is slotted longitudinally at intervals around it, as shown at *a*, Fig. 1, and the heads are grooved, as at *b*, Fig. 2, to receive the plates G, on which the cards are pasted or otherwise attached, or the cards alone, if made sufficiently strong, so that they will slide out and in the drum freely, care being taken to prevent them from dropping entirely out of the drum by stops H of any suitable kind.

The shaft is fixed in its supports I so as not to revolve, and within the drum it supports two cams, J, which cause the card-plates to project from the drum on the rising side, and then let them fall into it as they pass off the cams, so that they are successively exposed to view through the glass front K of the case. The plates slide out again by gravity at the lower side of the drum, and the cams keep them out and show the advertisements from the top of the drum.

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

The stationary cams combined with the revolving drum, wheel, or frame, and the radially-sliding plates therein, and arranged to cause said plates to project above said drum or wheel during a certain portion of their course, and then allow them to drop into the drum, substantially as described.

JOHN F. WERNER.

Witnesses:

WM. J. MORGAN,
F. A. SHAEFER.