No. 865,681. PATENTED SEPT. 10, 1907.

H. T. COLE.

ROTARY ADVERTISING MACHINE.

APPLICATION FILED JAN. 20, 1906.

2 SHEETS—SHEET 1.

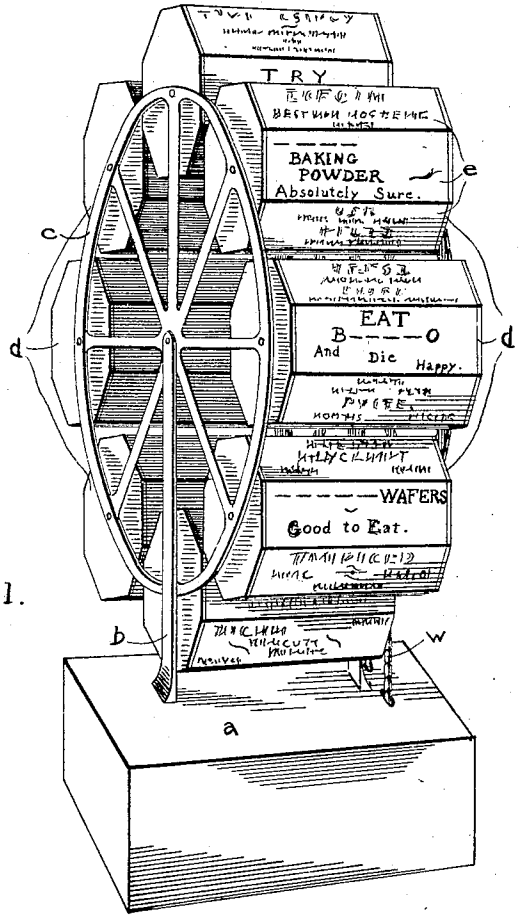

Fig. 1.

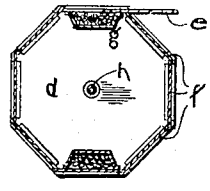

Fig. 3.

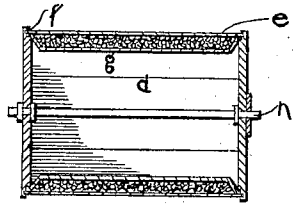

Fig. 4.

Inventor

Henry T. Cole

By E. W. Anderson

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Witnesses

Stuart Hilder.

George M. Anderson.

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2 SHEETS—SHEET 2.

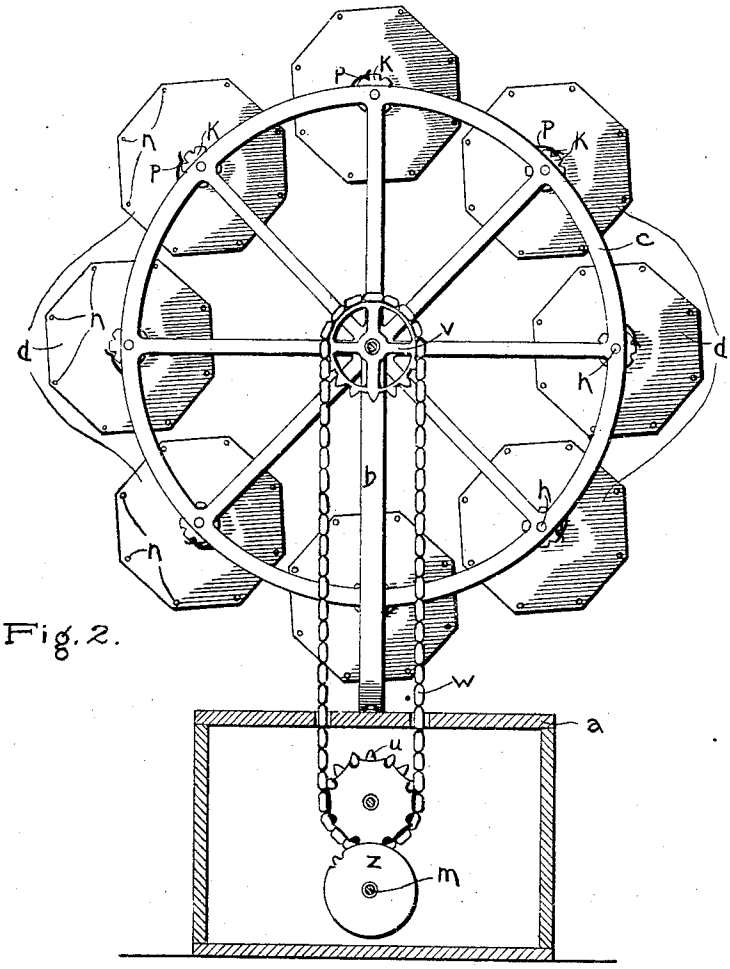

Fig. 2.

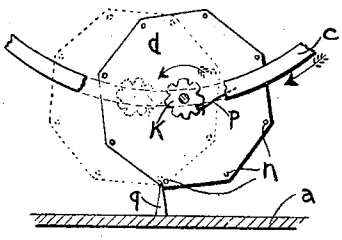

Fig. 5.

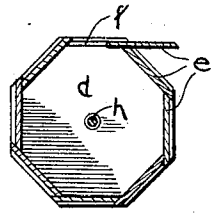

Fig. 6.

Witnesses

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UNITED STATES PATENT OFFICE.

HENRY T. COLE, OF NEW YORK, N. Y.

ROTARY ADVERTISING-MACHINE.

No. 865,681. Specification of Letters Patent. Patented Sept. 10, 1907.

Application filed January 20, 1906. Serial No. 297,064.

To all whom it may concern:

Be it known that I, HENRY T. COLE, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have made a certain new and useful Invention in Rotary Advertising-Machines; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 is a perspective view of my invention as applied. Fig. 2 is a side elevation of the same partly in section. Figs. 3 and 4 are sectional detail views of one of the drums having the recessed pan on some of the faces thereof. Fig. 5 is a detail fragmentary view, partly broken away illustrating the means for intermittently rotating the drums and the means for holding the drum to its adjustment. Fig. 6 is a detail cross-section of one of the drums.

The invention relates to advertising machines, and it consists in the novel construction and combination of parts as hereinafter set forth.

The object of the invention is to provide a rotary machine, which will carry a number of signs or exhibits, and change the position of the same during the rotation of the machine in the manner hereinafter set forth.

In the accompanying drawings, illustrating the invention, the letter *a*, designates a base having standards *b*, provided with bearings for the horizontal shaft journals of a large upright rotary main frame *c*, which is designed to be turned in an intermittent manner. The frame *c*, is designed to be provided with a number of rotary prismatic drums *d*, having face slides *e*, of plain or recessed character.

As shown, the machine is provided with eight of these drums, which are octagonal prisms. They are arranged in regular series around the rotary frame *c*, to the peripheral part of which they are journaled. Each drum consists of two side walls of octagonal shape, having inside grooves or ways *f*, parallel to their edges, and face slides *e*, engaging said grooves and forming the faces of the prism. These slides are made removable in order that they may be readily changed or altered when necessary to provide for different advertisements. The face slide is usually plain, and is provided with lettering or a label showing the advertisement desired to be displayed. But it may be recessed and provided with a glass cover, as indicated at *g*, in Figs. 3 and 4, in order to show a sample of grain, coffee, or other article, and in this case, the glass cover may or may not be lettered.

The side walls of each drum are designed to be secured to horizontal shaft *h* and each drum is designed to be turned one eighth of a revolution upon each revolution of the frame *c*, so as to bring the next face slide into view in the position of the preceding slide. This is accomplished by lateral projections *n* at each corner of the drums upon one side thereof, one of said projections coming into the path of an upward extension *q* of the base once in each revolution of the main frame *c*, said lateral projection *n* having a sufficient engagement with the base extension *q* to turn the drum to the desired extent. In order to hold the drum to its adjustment a ratchet and pawl device *k*, *p*, is provided, the spring *p* being carried by the main frame *c*.

Those of the face slides of each drum which are in the vertical plane or which approximate such plane on the outside of the rotary frame, are presented most favorably to view, and by the successive movements of each drum, its faces are presented in succession for favorable observation.

The rotary frame *c* is designed to have intermittent motion of rotation which may be effected by means of a chain *w*, and sprocket wheels *v* and *u*, one of said sprocket wheels having a mutilated gear wheel, having a single tooth, indicated at *z*, whereby it is connected to a power shaft *m*.

The sprocket gear wheel *u*, the mutilated gear wheel *z*, and the power shaft *m*, are located within the hollow base *a*, and hidden from view, the upper sprocket gear wheel and a portion of the sprocket chain alone, being visible.

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

1. In a device of the character described, a supporting base, vertical standards carried thereby, a rotary main frame having a horizontal shaft journaled in said standards, a plurality of rotary prismatic drums having horizontal shafts journaled in said main frame, means for automatically intermittently rotating said main frame, and means for automatically intermittently rotating said drums including an upward extending projection upon the base.

2. In a device of the character described, a supporting base, vertical standards carried thereby, a rotary main frame having a horizontal shaft journaled in said standards, a plurality of rotary prismatic drums having horizontal shafts journaled in said main frame and lateral corner

projections, means for automatically intermittently rotating said main frame, and an upward extending projection upon the base adapted to engage said corner projections to automatically intermittently rotate said drums.

3. In a device of the character described, a supporting base, vertical standards carried thereby, a circular rotary main frame having a horizontal shaft journaled in said standards, a plurality of rotary prismatic drums having lateral corner projections and horizontal shafts journaled peripherally in said main frame, means for automatically intermittently rotating said main frame including gearing within said base having sprocket gearing connection with the shaft of the main frame, and an upward extending projection upon the base adapted to engage said corner projections of the drums to automatically intermittently rotate the same.

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

HENRY T. COLE.

Witnesses:
ALBERT G. GEDNEY,
ADELAIDE J. KELLY.