No. 613,166. Patented Oct. 25, 1898.

J. A. MARSH.

ADVERTISING MACHINE.

(Application filed Nov. 10, 1897.)

(No Model.)

Fig. 1.

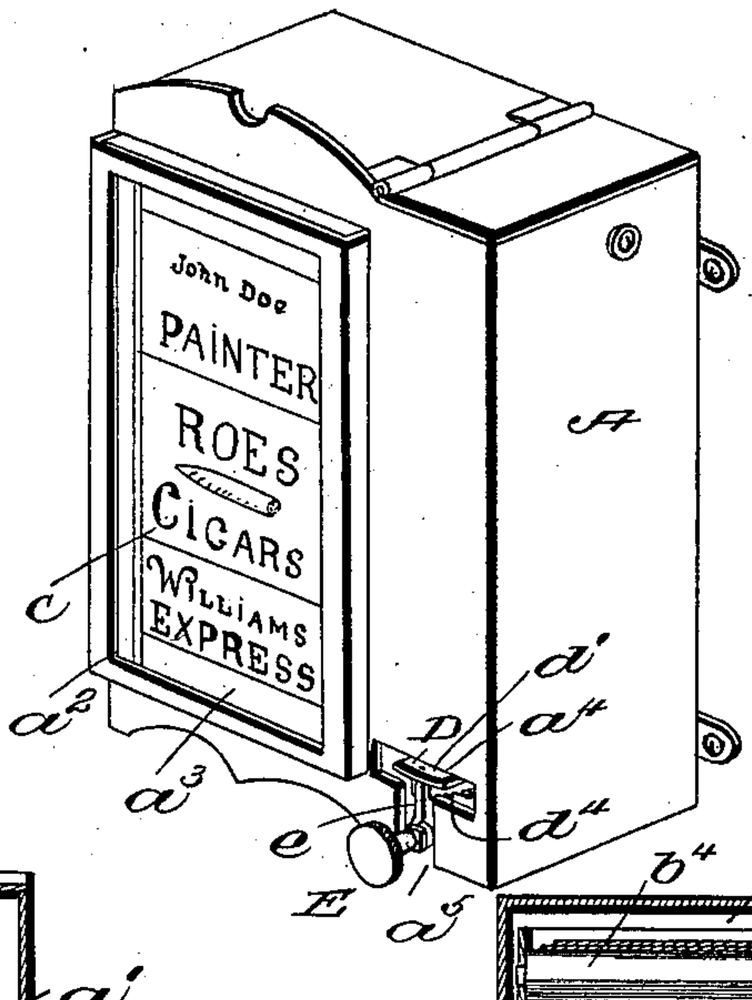


Fig. 2.

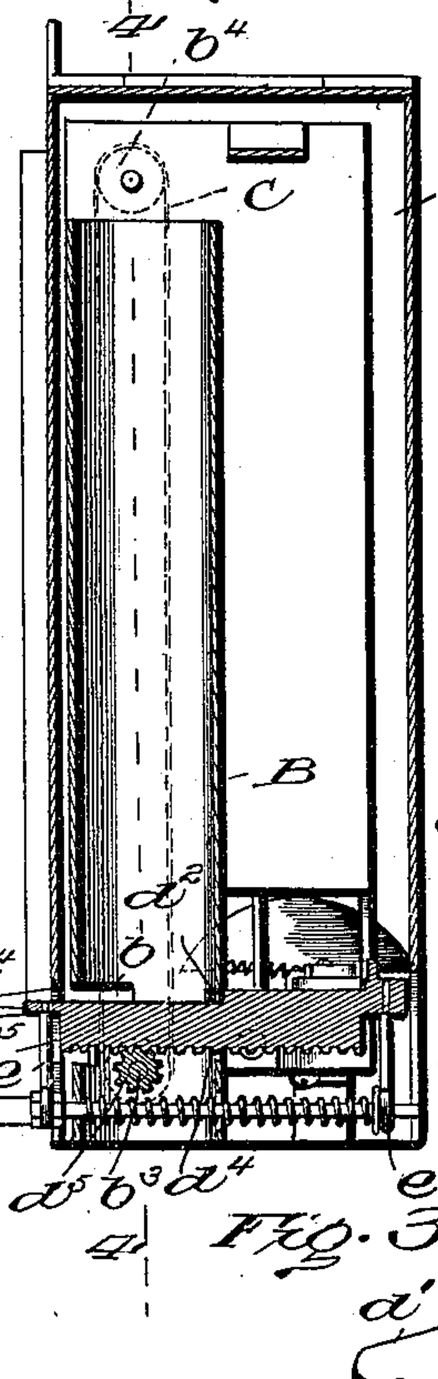


Fig. 4.

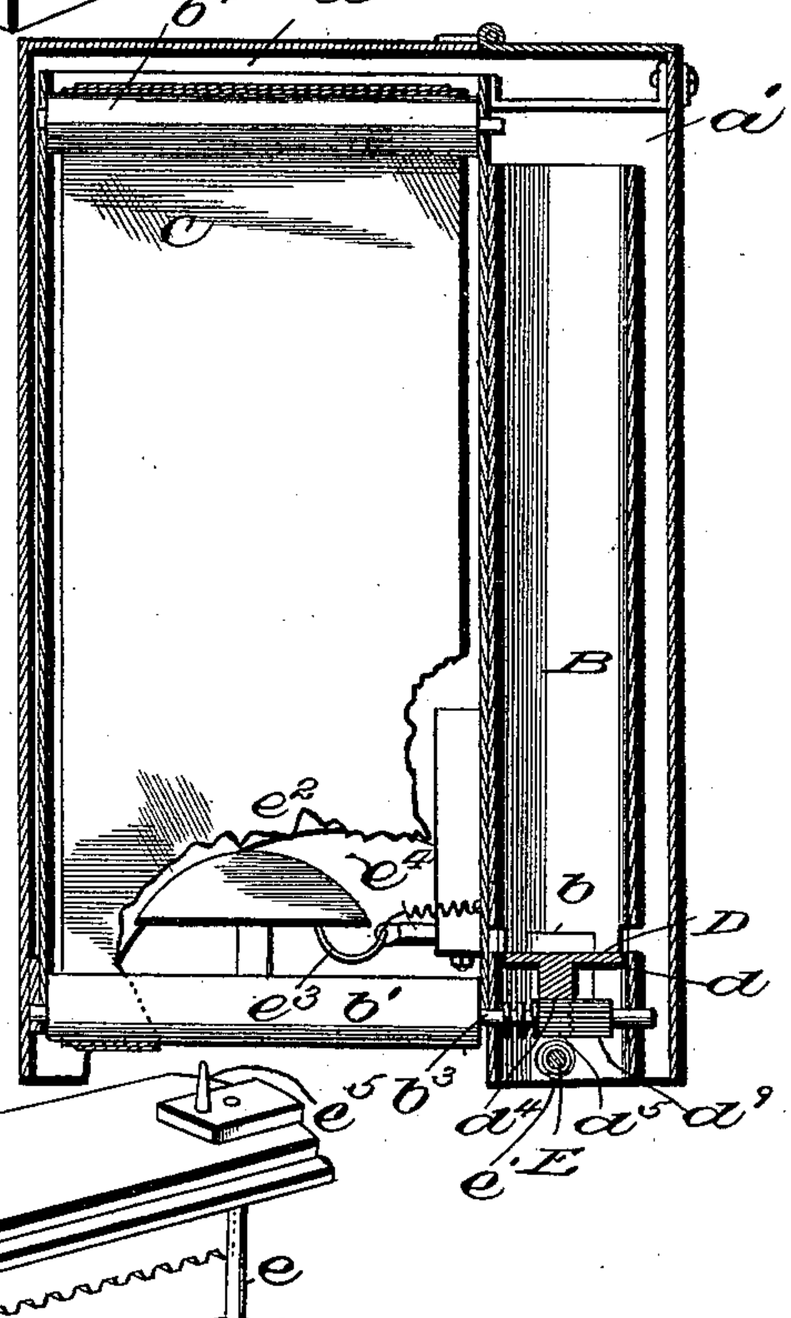


Fig. 5.

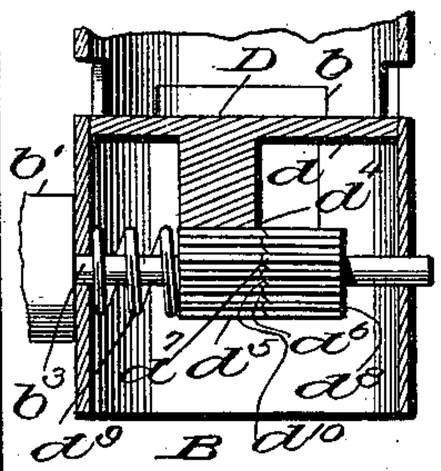
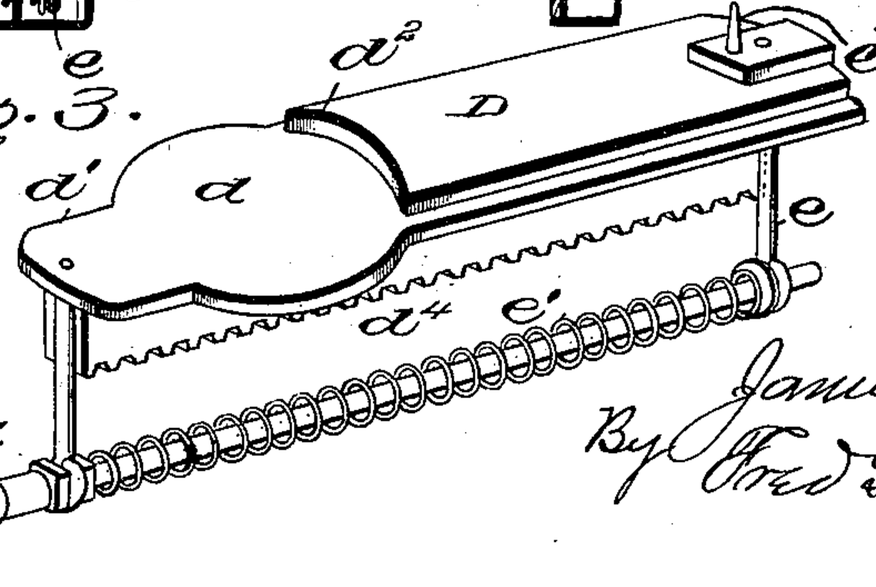


Fig. 3.



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UNITED STATES PATENT OFFICE.

JAMES A. MARSH, OF CLEVELAND, OHIO.

ADVERTISING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 613,166, dated October 25, 1898.

Application filed November 10, 1897. Serial No. 658,070. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. MARSH, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Advertising-Machines; 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.

This invention contemplates certain new and useful improvements in advertising-machines, and is designed more especially for use in toilet-rooms and the like.

The invention has for its object the provision of simple and efficient means whereby a piece of soap or other similar article will be delivered upon the operation of suitable mechanism and at the same time the rotation of an endless belt containing advertisements or the like which are to be successively displayed in view will be automatically effected.

The invention will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective illustrating my invention. Fig. 2 is an enlarged longitudinal sectional view. Fig. 3 is a detail perspective. Fig. 4 is a transverse sectional view on line 4 4, Fig. 2. Fig. 5 is an enlarged sectional detail view.

Referring to the drawings, A designates a casing divided into two longitudinal compartments a a', the former being larger than the latter and provided with a sight-opening a^2, preferably covered by a glass a^3. In the front wall of compartment a' is formed a transverse slot a^4, which is intersected by a vertical branch a^5, whereby an approximately T-shaped opening is formed. In chamber or compartment a' is located a tube or guideway B, open at both ends and provided near its lower end with a transverse slot b, having a vertical branch also forming a T-shaped opening corresponding to and in juxtaposition with the T-shaped opening of compartment a'.

A drum or roll b' is mounted opposite an opening b^2 in the bottom of compartment a, one journal b^3 thereof being projected transversely through tube B, the other journal being mounted in one of the walls of said compartment a. In the upper end of said latter compartment is mounted a second drum b^4, which is connected by an endless belt C to drum b', suitable advertisements or the like being displayed upon said belt, which is so arranged as to pass immediately back of the sight-opening a^2.

D is a plate or platform projecting into slots a^4 and b, the same being formed with an approximately rectangular body portion having a circular enlargement d, from which project forward and rearward elongations d' and $d^\times$, the latter being provided with a curved flange or shoulder d^2 adjacent the circular enlargement of said body portion and curved on the same radius therewith, whereby the top surface of said platform is formed with different planes. Said circular enlargement is designed to normally coincide with tube B. On the under side of said plate or platform is formed a rack-bar d^4, which normally engages with the teeth of a pinion d^5, loosely mounted on the journal b^3 of drum b'. The teeth of said pinion are projected beyond one end thereof at d^6 and are normally held in engagement with similar projections d^7 of the teeth of a second pinion d^8, fast to journal b^3 by means of a spring d^9. Said projections are provided with opposite inclines or bevels d^{10}, whereby when the rack-bar d^4 is moved outwardly both of said pinions will engage and move together; but when said rack-bar is returned only pinion d^5 is rotated, the projections thereof slipping over those of the other pinion.

While the above-described clutch is a preferred construction, yet it is obvious that any other form of clutch may be substituted without departing from the scope of my invention.

E designates the operating-handle, which is carried by depending arms d of the plate or platform D. Said handle comprises a rod projected transversely through tube or guideway B and held as against withdrawal by a coil-spring e', encircling the same. A gong e^2 is arranged to be struck by a clapper e^3, the arm e^4 of which is engaged by a lug or pin e^5 on the rear end of platform B.

In practice small cakes of soap or the like are arranged in individual packages in the tube or guideway B, the lowermost package

being adapted to rest upon the circular portion of platform D. When the handle E is drawn out against the action of its spring, the platform B is moved forward through slot a^4, whereupon the cake of soap contained thereby may be readily removed. Simultaneous with this action the rack-bar d^4, engaging with the clutch-pinion d^5, effects the rotation of drum b', whereby the endless belt of advertisements is rotated. As soon as handle E is released the parts return to their normal positions under the action of spring e', the clutch-pinion turning loosely on its shaft without engaging with its companion pinion.

The advantages of my improved advertising-machine will be at once apparent to those skilled in the art to which it appertains. It will be specially observed that the advertisements are constantly changed and that a useful article is delivered simultaneously with each operation of the machine. The latter is also extremely simple and inexpensive and positive in its operation.

It will be noted that if the cake of soap or the like should not be removed from platform B the parts will nevertheless return to their normal positions without interference and said soap will be retained upon the platform.

I claim as my invention—

1. The combination with a casing having two longitudinal compartments separated by a central partition, one of said compartments being provided with a sight-opening and the other with a transverse slot, a drum or roll journaled in the upper end of the first-mentioned compartment, a second drum or roll mounted in the lower end of said compartment and having one of its journals projected through said central partition, a clutch mounted on said journal, and an endless belt connecting said drums and adapted to contain advertisements, of a cylindrical tube or guideway located in the other one of said compartments and having a slot coincident with said former slot, a delivery-platform engaging said clutch and extending transversely across said tube or guideway and through said coincident slots, and means for moving said platform outward, whereby said lower drum or roll is rotated, substantially as set forth.

2. The combination with a casing having two longitudinal compartments, one of which is provided with a sight-opening and the other with a slot, drums or rolls located in said former compartment, an endless belt connecting said drums and adapted to contain advertisements, and a clutch-pinion on the journal of one of said drums or rolls, of a tube or guideway located in the latter one of said compartments and having a transverse slot corresponding to and coincident with the slot of said compartment, a delivery-platform extending through said coincident slots and having a rack-bar engaging said clutch-pinion, said platform having a circular enlargement and front and rear elongations, and a spring-pressed handle for moving said platform, said elongations being on different planes, substantially as set forth.

3. The combination with a casing having two longitudinal compartments, one of which is provided with a sight-opening and the other with a transverse slot having a vertical branch, drums or rolls located in said former compartment, an endless belt connecting said drums and adapted to contain advertisements, and a clutch-pinion on the journal of one of said drums or rolls, of a tube or guideway located in the latter one of said compartments and also having a transverse slot provided with a vertical branch, said slot being coincident with the slot of said compartment, a delivery-platform extending through said coincident slots and having a circular enlargement and front and rear elongations, the latter being on a higher plane than the former and provided with a concave end forming a flange, a rack-bar formed with said platform and normally in engagement with said clutch-pinion, a spring-pressed rod or arm connected to depending portions of said platform, and a gong adapted to be sounded by the operation of said platform, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JAMES A. MARSH.

Witnesses:
CHAS. C. MARSH,
J. N. AMOR.