S. M. BENJAMIN.

DISPLAY DEVICE.

APPLICATION FILED NOV. 20, 1920.

1,373,992. Patented Apr. 5, 1921.

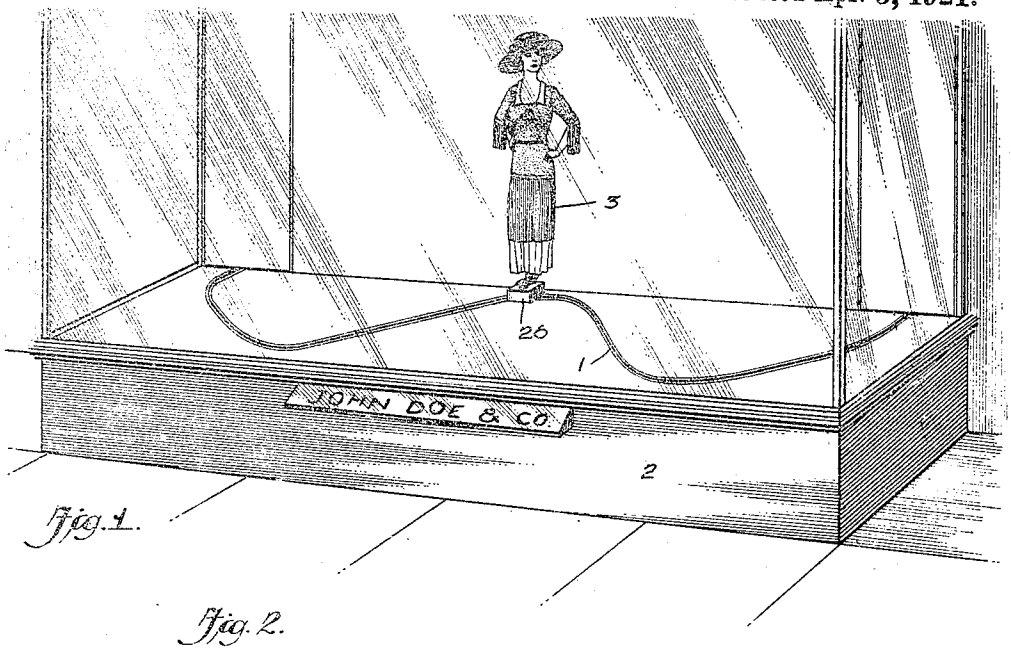
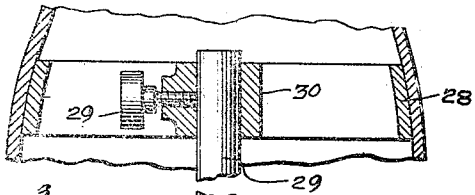


Fig. 1.

Fig. 2.



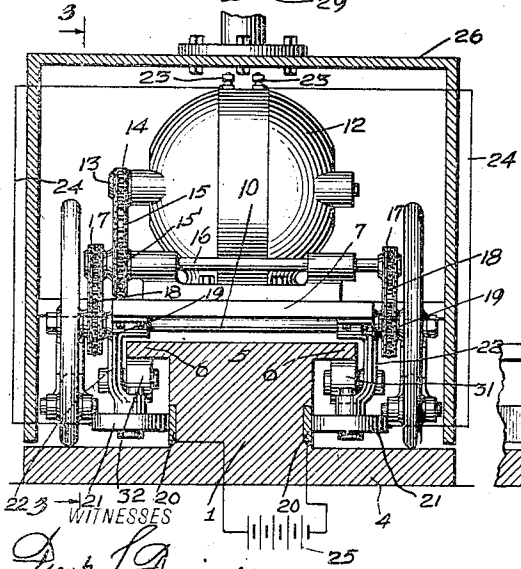
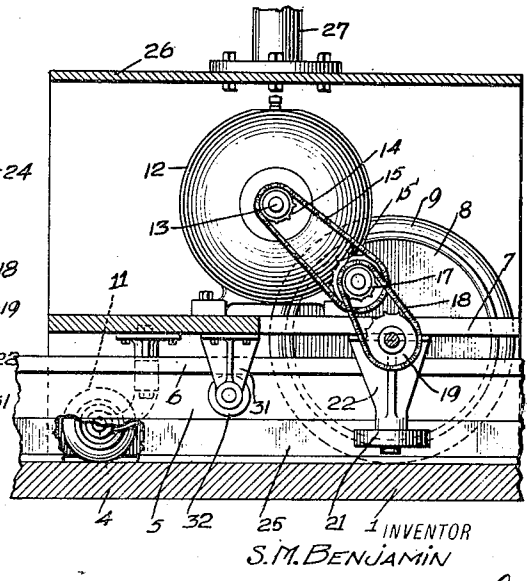


Fig. 3.



WITNESSES

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DISPLAY DEVICE.

1,373,992. Specification of Letters Patent. Patented Apr. 5, 1921.

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To all whom it may concern:

Be it known that I, SAMUEL M. BENJAMIN, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county of New York and State of New York, have invented a new and Improved Display Device, of which the following is a full, clear, and exact description.

This invention relates to improvements in display devices, an object of the invention being to provide means for supporting and moving a form on which dresses, coats, and other garments are supported so that the garments can be effectually displayed from the front, back, and the sides.

A further object is to provide an improved construction of track and car for supporting the form, the car being provided with an electric motor and the track having electric conductors in circuit therewith so that when the car is placed in operating position on the track, it will move thereon to convey the form or figure supported thereby.

A further object is to provide a display device which can be conveniently used in show windows to attract attention and to effectually display garments worn on the figure.

With these and other objects in view the invention consists in certain novel features of construction, and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings—

Figure 1 is a perspective view illustrating my improved display device in a show window.

Fig. 2 is an enlarged broken view in vertical transverse section through the car, the track, and a portion of the form.

Fig. 3 is a view in section on the line 3—3 of Fig. 2.

1 represents my improved track which may be located in a show window 2 and which may be curved or shaped in any way desired so as to cause the car and figure thereon to turn as it travels and display the dress or other garment 3 of the figure from the front, sides, and back, as will be readily understood.

The ends of the track may terminate at the rear and end portions of the show window so that figures may be conveniently started and removed from the track, and it is, of course, to be understood that my invention is not limited to the precise shape of the track nor its particular location in the show window, but broadly to the idea of the track and the construction of parts coöperating therewith, which will now be described in detail.

The track 1 is provided with a relatively wide base 4 on which a relatively wide central web 5 is located and laterally projecting flanges 6 extend from the web at its upper edge, the web 5, flanges 6, and base 4 being preferably integral, and the track, above described, may be of wood or any other suitable material constituting a single member or made up in sections as may be desired.

On the track 1 my improved car 7 is mounted to run. This car 7 is supported at its rear by wheels 8 preferably rubber tired as indicated at 9, said wheels 8 being secured to an axle 10. At the forward end of the car I provide caster wheels 11 which turn freely and are pivotally mounted so as to follow the curvature or outline of the track, and these caster wheels as well as the main drive wheels 8 are supported on the base 4 of the track.

An electric motor 12 is supported on the car 7, and is provided on its drive shaft 13 with a sprocket wheel 14, the latter connected by a chain 15 with a sprocket wheel 15′ on a countershaft 16. The countershaft has sprocket wheels 17 at its ends connected by sprocket chains 18 with sprocket wheels 19 on the axle 10 so that the axle is driven at both ends which I believe to be desirable.

Electric rails or conductors 20 are secured to the sides of the web 5 of track 1 and are suitably insulated from the track, and electric contacts 21, which are preferably rollers, are mounted on brackets 22 depending from the car 7 and electrically connected with the terminal 23 of the motor 12, as indicated diagrammatically by the wires or lines 24. The electric conductors 20 are connected electrically with a source of electricity 25 so that when the car is in position on the track, the motor 12 is in circuit with the source of supply and operates to drive the car as will be readily understood.

A casing 26 is secured to the car 7 and operates as an inclosure for the motor and the movable parts of the car, protecting the latter from dust and dirt and hiding the same from view. This casing 26 may be of

any desired shape and is provided on its top with a base 27 on which a form 28 may be secured by means of a set screw 29, the form 28 being provided with a collar 30 to fit the base 27 and the set screw 29 being located in the collar. It is, of course, to be understood that I do not limit myself to any particular construction of form or to the precise means for connecting the same to the car, but I find the structure above described to be a simple and effectual one.

Brackets 31 secured to the car 7 support rollers 32 which are located under and bear against the under faces of the flanges 6 so as to prevent possibility of tilting of the car due to the weight of the figure thereon.

The operation is as follows: When the form is in position on the car, it is simply necessary to insert the car on the track 1 and, as above described, this can be conveniently done at the ends of the track with the rollers 21 engaging the conductors 20 and the rollers 32 engaging the under faces of the flanges 6 to prevent tilting or turning over of the car. The electric motor being then in electric circuit with the source of supply 25 will impart motion to the drive wheels 8 and the car will move along the track. As the track curves and winds, the form 28 with the dress or other garment thereon will turn displaying the front, sides and back thereof and will attract attention of passers-by so that the device will be not only an effectual display, but also an advertising medium as well.

Various slight changes might be made in the general form and arrangement of the parts described without departing from the invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

I claim:

1. A display device, comprising a track having a relatively wide base, a web projecting upwardly from the center of the base, flanges projecting laterally from the upper end of the web, a car, wheels on the car mounted to run on the base of the track at both sides of the web, rollers on the car engaging the under faces of the flanges at both sides of the web, a motor on the car, electric conductors on the track, means electrically connecting the motor with said conductors, and a form supporting standard on the car.

2. A display device, comprising a track having a base, a web, laterally projecting flanges at the upper edge of the web, a car, wheels supporting the car and mounted to run on the track base, rollers on the car mounted to bear against the under faces of the flanges, and means on the car for supporting a form.

3. A display device, comprising a track having a base, a web, laterally projecting flanges at the upper edge of the web, a car, wheels supporting the car and mounted to run on the track base, rollers on the car mounted to bear against the under faces of the flanges, means on the car for supporting a form, electric conductors at the sides of the web, an electric motor on the car for propelling the same, and contacts on the car engaging the conductors and electrically connected with the motor.

4. A display device, comprising a track having a base, a web, laterally projecting flanges at the upper edge of the web, a car, wheels supporting the car and mounted to run on the track base, rollers on the car mounted to bear against the under faces of the flanges, a casing inclosing the car, and means on the casing for supporting a form.

5. A display device of the character described, comprising a track, a car on the track, drive wheels on the car, caster wheels on the car, a motor on the car, power transmission means operatively connecting the motor with both of the drive wheels, means preventing tilting of the car on the track, electric means on the track included in circuit with a source of electricity, and contacts on the car electrically connecting the motor with said means.

SAMUEL MAX BENJAMIN.