

July 1, 1930.

T. B. BRANDON ET AL

1,769,414

ADVERTISING DEVICE

Filed Aug. 8, 1928

2 Sheets Sheet 1

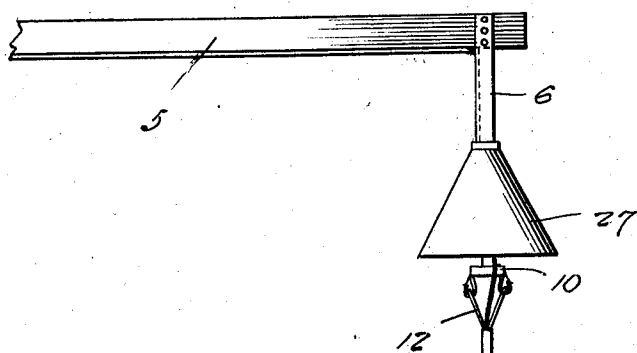
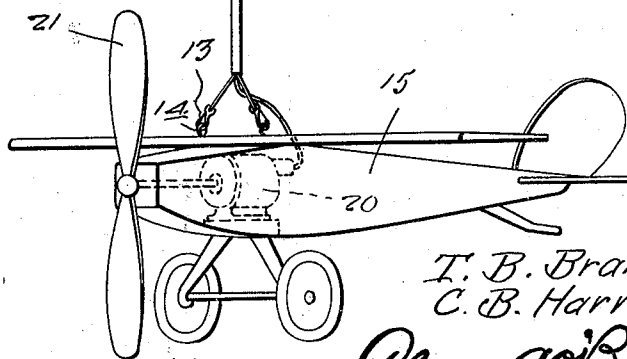
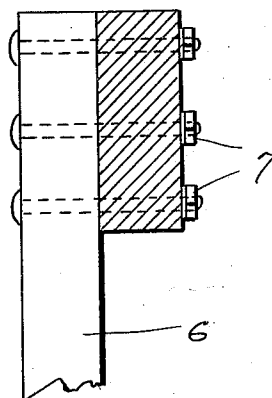


Fig. 1.

Fig. 3.



Inventors.

T. B. Brandon
C. B. Harrison

By *Clarence A. O'Brien*
Attorney

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T. B. BRANDON ET AL

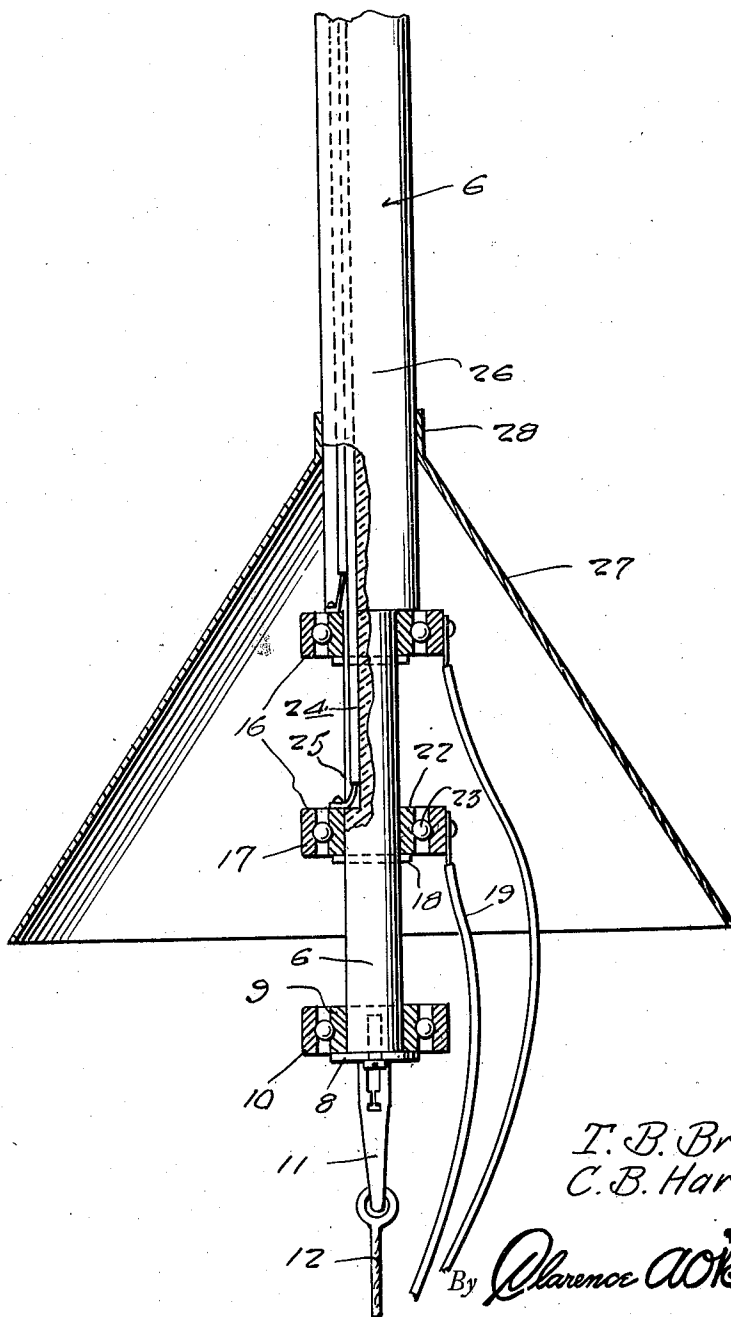
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2 Sheets-Sheet 2

Fig. 2.



Inventors

*T. B. Brandon
C. B. Harrison*

By *Clarence A. O'Brien*
Attorney

UNITED STATES PATENT OFFICE

THOMAS BURRIS BRANDON AND CUSHION BIGGS HARRISON, OF WILLIAMSON, NORTH CAROLINA

ADVERTISING DEVICE

Application filed August 8, 1928. Serial No. 298,284.

The present invention relates to aerial advertising devices of the captive balloon or aeroplane type and has for its principal object to provide an article of this character suspended from an overhead support whereby to permit the movement of the aeroplane in a circular path beneath the same.

A further important object of the invention is to provide a swivel suspension means for the aeroplane through which an electric current may be transmitted for operating a motor mounted in the aeroplane in order to drive the propeller for operating the device.

An additional object is to provide a canopy or shield for the swivel supporting means for the purpose of protecting the same when the device is placed out of doors.

Another object is to provide a device of this character of a simple and practical construction, which is neat and attractive in appearance, relatively inexpensive to manufacture and maintain in operation and otherwise well adapted to the purpose for which the same is intended.

Other objects and advantages reside in the special construction, combination and arrangement of the various elements forming the invention as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

In the drawings:

Figure 1 is an elevation showing the apparatus in position for operation,

Figure 2 is a fragmentary elevational view of the swivel supporting means for the aeroplane and with parts broken away and shown in section and

Figure 3 is a fragmentary transverse sectional view of the outer end of the horizontal supporting arm.

Referring now to the drawing in detail, the present embodiment of the invention discloses a horizontally disposed supporting arm or bracket 5 to the outer end of which is attached a downwardly extending rod 6 by bolts 7. To the lower end of the rod 6 is attached a plate 8 arranged to retain a ball bearing assembly 9 in position upon the lower end of the

rod and permitting the free rotation of the outer collar 10 of the assembly about the lower end of the rod.

To the collar 10 is attached one or more hooks 11, which may be in the form of snap fasteners as shown in Figure 1 of the drawings and from which are suspended a pair of cables 12 having their lower ends also provided with snap fasteners 13 for attaching to two eyes 14 or the like arranged upon the upper surface of the top wing of a toy aeroplane 15.

A pair of ball bearing assemblies 16 is arranged in vertical spaced relation upon the rod 6 above the assembly 9, each of the assemblies 16 being provided with an outer rotatable collar 17, the assemblies being retained upon the post in spaced vertical position by pins 18 positioned immediately beneath the assembly and extending transversely of the rod. To each of the collars 17 is attached a circuit wire 19 connected with an electric motor 20 mounted in the fuselage of the aeroplane and arranged for operating the propeller 21 carried thereby.

Each of the assemblies also include a stationary race 22 for the ball bearings 23 interposed between the races and the outer collar and to each of said races is attached a circuit wire 24 extending vertically in a longitudinally extending groove 25 formed in the side of the post, the wire 24 extending along the horizontal post 5 for connecting with a house circuit or other suitable source of electric power.

The assemblies 16 thus form electric contacts for the circuit wires 19 attached to the motor of the aeroplane during the circular movement of the aeroplane about the axis of the rod 6.

The portion of the post 6 above the uppermost assembly 16 is provided with a sleeve 26 which encloses the circuit wires 24 within the groove of the post, the lower end of the sleeve resting upon the race of the uppermost assembly. A funnel shaped canopy or shield 27 has its reduced end 28 fitted snugly about the sleeve 26 and is soldered or otherwise fixedly secured to the sleeve immediate-

ly above the uppermost bearing assembly to form a water tight fit therewith.

The canopy or shield 27 has its open or flared end disposed downwardly and extends below the contact assemblies 16 whereby to form a protection for the same to prevent rain or snow from coming into contact with the assemblies when the device is operated out of doors.

The cables 12 for supporting the aeroplane as well as the circuit wires 19 connected with the motor thereof are encased in a single flexible housing 29. The rod 6 is preferably constructed of insulation material in order to prevent short circuiting of the current passing through the assemblies 16.

The aeroplane may be painted or decorated in an appropriate manner or provided with a suitable advertising display and it will be apparent that upon the rotation of the aeroplane in the manner indicated that the same will provide a novel and attractive advertising device.

It is obvious that our invention is susceptible to various changes and modifications in construction without departing from the spirit of the invention or the scope of the appended claim, and we accordingly claim all such forms of the device to which we are entitled.

Having thus described our invention, what we claim as new is:

An outdoor amusement device comprising in combination, a toy aeroplane having an electric motor mounted therein for operating the propeller of the aeroplane and suspension means for the aeroplane comprising a vertically disposed stationary rod of insulation material, a flexible member having one end swivelly attached to the lower end of the rod and having its opposite end attached to the aeroplane, a pair of spaced conductor collars carried by the rod having circuit wires attached thereto, said rod having a longitudinal groove providing a seat for the wires, a sleeve disposed about the rod for covering the wires above the uppermost collar and supported on said uppermost collar, conductor rings mounted for rotation about the collars and having the circuit wires of the motor attached thereto and a frusto-conical canopy secured to the sleeve above the collars and with its lower edge terminating at a plane below the lowermost collar to provide a shield for the collars and conductor rings.

In testimony whereof we affix our signatures.

THOMAS BURRIS BRANDON.
CUSHION BIGGS HARRISON.