

March 8, 1960

M. H. FELDMAN

2,927,753

AERIAL TOY

Filed Sept. 23, 1958

FIG. 1.

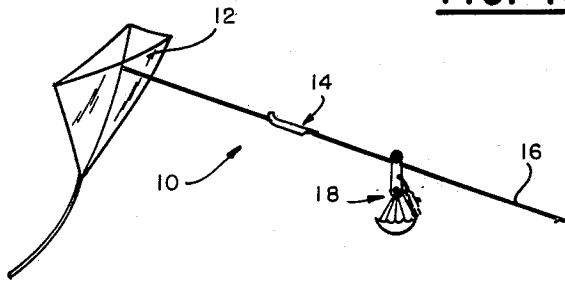


FIG. 2.

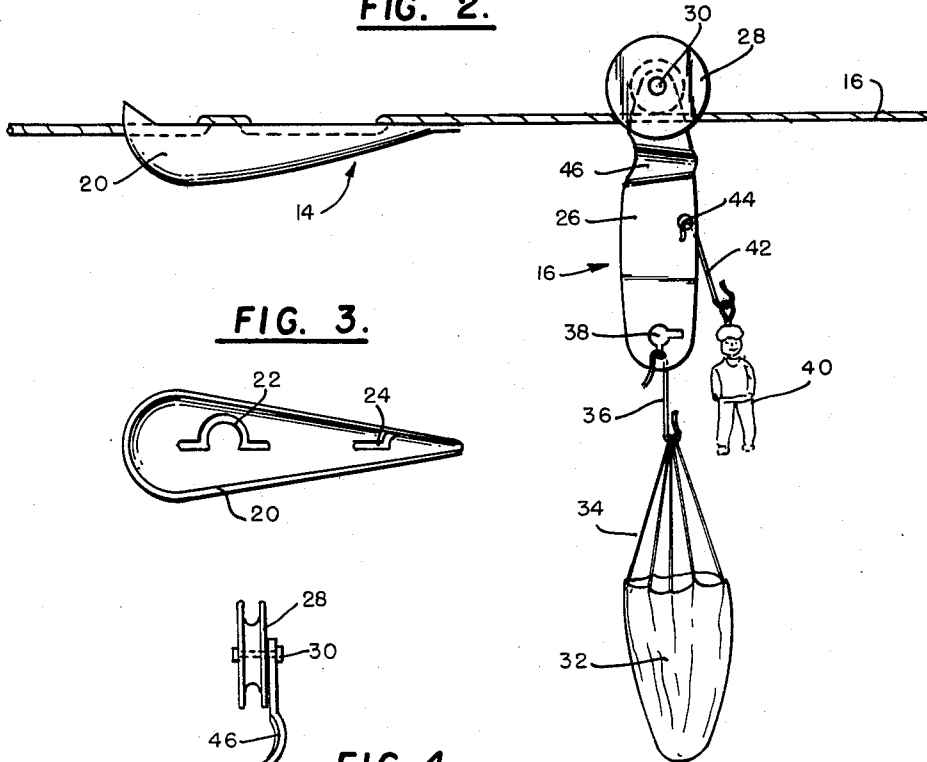


FIG. 3.

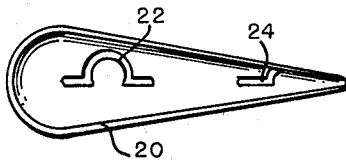
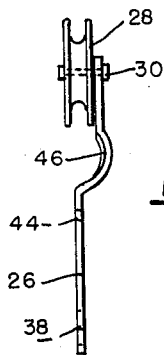


FIG. 4.



INVENTOR

Marshall H. Feldman

1

2,927,753

AERIAL TOY

Marshall H. Feldman, San Jose, Calif.

Application September 23, 1958, Serial No. 762,826

1 Claim. (Cl. 244—155)

This invention relates to amusement devices and more particularly to an aerial toy.

It is an object of the present invention to provide an aerial toy that is of completely unique construction, including a kite, a string, and a carriage device that is automatically released after it has attained a predetermined height so as to produce a completely novel effect.

Another object of the present invention is to provide an aerial toy of the above type in which the carriage includes a simulated parachute and figured toy which will float to the ground in response to abutment thereof with an adjustable trip device carried by the kite string.

Other objects of the invention are to provide an aerial toy bearing the above objects in mind which is of simple construction, has a minimum number of parts, is inexpensive to manufacture and efficient in operation.

For other objects and for a better understanding of the invention, reference may be had to the following detailed description taken in conjunction with the accompanying drawing, in which:

Figure 1 is a perspective view of an aerial toy made in accordance with the present invention in operative use;

Figure 2 is an enlarged fragmentary side elevational view of certain parts of the toy shown in Figure 1;

Figure 3 is a top plan view of the adjustable trip device illustrated in Figure 2; and

Figure 4 is a front elevational view of the carriage member forming another part of the present invention.

Referring now more in detail to the drawing, an aerial toy 10 made in accordance with the present invention is shown to include a kite 12, a string 16 for controlling the kite 12, a carriage assembly 18 rollably supported along the length of the string 16, and an adjustable trip device 14 for automatically derailing the carriage device 18 in response to abutment therewith.

As is more clearly shown in Figure 2 of the drawing, the trip device 14 includes a segmental spheroidal bulbous member 20 having members 22, 24 formed within the interior thereof for engaging with the string 16 at any desired location. Since the string merely threads through the brackets 22, 24, such trip device may be readily attached to the string while the kite is in flight as the string 16 is being payed out.

2

The carriage assembly 16 includes a plate 26 having a pulley wheel 28 rotatably supported adjacent to one upper end upon a shaft 30. A parachute 32 having shrouds 34 is secured to a hook 36 that is received within an opening 38 at the lower end of the plate 26. A figured toy 40 supported upon another hook 42 that is carried within an opening 44 adjacent to the mid-section of the plate 26 further adds authenticity to the assembly.

The mid-section of the plate 26 also includes a forwardly and outwardly flared guide channel 46 that slidably engages with the laterally outwardly extending side of the bulbous member 14 as it moves along the length of the string in flight. The wind acting against the parachute 32 propels the carriage 16 forwardly along the length of the string toward the trip device 14. As the guideway 46 engages with the outside of the trip device 20, the guideway tends to ride up along the side of the bulbous member, thus raising the pulley wheel 28 above the string 16, enabling the parachute 32 to carry the carriage to the ground. As a result, it is not only possible to obtain a pleasing effect by the upward movement of the carriage along the string 16 toward the trip device, but after such engages the trip device, the carriage assembly 18 will float to the ground in a completely novel and amusing manner.

While various changes may be made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claim.

What I claim as new and desire to protect by Letters Patent of the United States is:

An aerial toy comprising a kite, a string for guiding said kite in flight, a carriage rollably supported upon said string for movement therealong, said carriage including a vertically-extending plate, a pulley wheel journaled upon the upper end of said plate and operable over said string, a simulated parachute depending from the lower end of said plate, a trip device to release the carriage from the string as it is elevated by the wind thereupon, said trip device having brackets longitudinally-spaced from one another and respectively adjacent the opposite ends thereof to secure the same to the string at both ends thereof, said trip device being bulbous in shape and projecting horizontally outwardly and below the string, the same tapering forwardly and outwardly from its lower end, said carriage plate having a guide portion outwardly and forwardly flared to ride upon the bulbous trip device to elevate the carriage and derail it from the string.

References Cited in the file of this patent

UNITED STATES PATENTS

876,690 Carroll Jan. 14, 1908
1,466,194 Schwarz Aug. 28, 1923

FOREIGN PATENTS

13,739 Great Britain 1905