Dec. 22, 1925. 1,566,724

F. C. BATES

FIGURE TOY

Filed Dec. 8, 1921

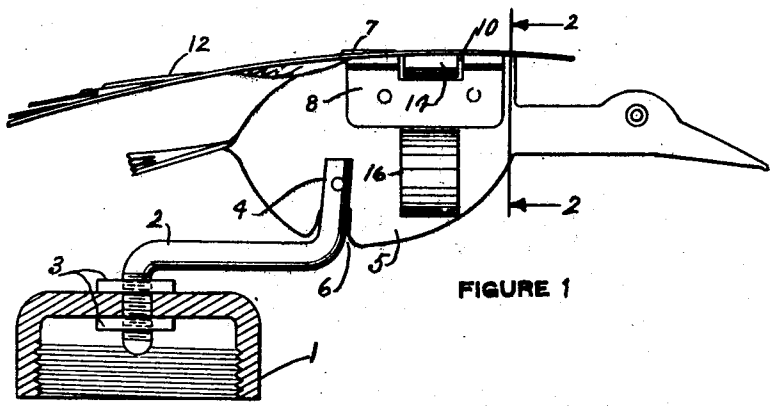


FIGURE 1

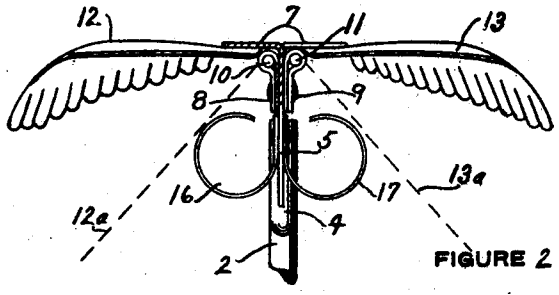


FIGURE 2

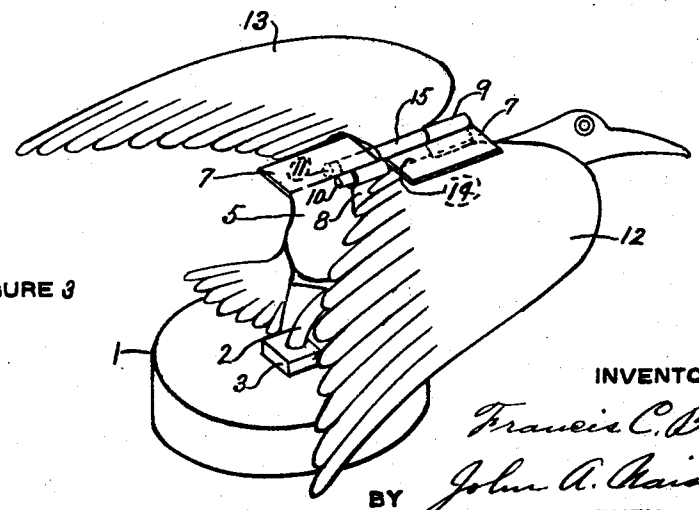


FIGURE 3

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UNITED STATES PATENT OFFICE.

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FIGURE TOY.

Application filed December 6, 1921. Serial No. 520,353.

To all whom it may concern:

Be it known that I, FRANCIS C. BATES, a citizen of the United States, and resident of San Jose, in the county of Santa Clara and State of California, have invented a certain new and useful Improvement in Figure Toys, of which the following is a specification.

It is the object of my invention to provide a figure toy adapted to be mounted upon the exterior of a vehicle and provided with laterally extending members movable by the air currents passing thereby.

In the drawing,—

Figure 1 is a side elevation of a device embodying my invention.

Figure 2 is a section on 2—2 of Figure 1.

Figure 3 is a perspective view of the device in operation.

Referring more particularly to the drawing, 1 indicates a radiator cap of an automobile, and 2 is a rod set in the cap 1 and held in position by nuts 3. Rod 2 is bent forwardly and then upwardly as shown, the upwardly extending part being split as at 4 to engage a sheet metal element 5 cut out to represent a bird. The element or body portion 5 has a notch 6 formed therein to engage rod 2 whereby to prevent movement of the element with respect to the rod.

The upper edge of the body element 5 is split and the two portions 7 thus formed are bent downwardly into horizontal positions on opposite sides of body portion 5. Mounted on each side of body portion 5 adjacent its upper edge are hinge elements 8 and 9 respectively carrying hinge pins 10 and 11.

At 12 and 13 are shown wings provided with hinge elements 14 and 15 engaging their respective hinge pins 10 and 11 whereby the wings 12 and 13 have a free pivotal movement with respect to body portion 5.

At 16 and 17 are stop members mounted upon opposite sides of body portion 5 to engage the under sides of wings 12 and 13 when the same are in a lowered position.

The device shown is mounted upon the radiator cap of an automobile by boring a hole therein and inserting rod 2 in the hole and tightening up nuts 3 with the front of the bird pointing forwardly.

If the machine is now driven along the road at a fair rate of speed the resulting air currents engage the wings 12 and 13 and cause them to swing upwardly on their pivots. Since the air currents are constantly changing with the speed of the automobile and with the shifting and varying force of the wind, it results that the wings 12 and 13 are kept almost continually in motion, now one is raised and the other lowered, now they both rise and fall in unison, now they are both maintained in a raised position against stops 7. The wings in a lowered position are indicated by dotted lines at 12^a and 13^a.

The stops 7 may, of course, be formed in any manner and arranged at any angle to limit the upward movement of the wings as desired. Likewise stops 16 and 17 may be formed and constructed to limit the downward movement of the wings as desired, or may under some conditions, be omitted altogether, as may stops 7.

It is to be clearly understood that while I have herein shown and described one embodiment of my invention, this disclosure is illustrative only and is in no way to limit the scope of my invention as set forth in the appended claims.

It is my desire to cover broadly a supporting member mountable upon a vehicle of any kind such as an automobile, a boat, or toy trains or children's vehicles, and provided with laterally extending winglike members automatically operated by the action of air currents.

I claim:

1. A device of the character indicated comprising a flat body portion delineating a bird, means for securing the same in a vertical position on a vehicle, a pair of winglike members, means for pivotally mounting said members upon opposite sides of the upper edge of said body portion, and means carried by said body portion for limiting the movement of said members in either direction.

2. The combination with a radiator cap of a figure toy comprising a rod mounted thereon having an upwardly extending portion, a body portion mounted on said upwardly extending portion, hinge elements on the upper portion of said body portion, and wing-like members operable by wind pressure carried by said hinge elements, the body portion carrying ears extending upwardly beyond said hinge elements and thence outwardly in opposite directions to form stops to limit the upward movement of said wing-like members.

FRANCIS C. BATES.