W. GIANINI.

ATTACHMENT FOR AUTOMOBILES.

APPLICATION FILED MAR. 31, 1916.

1,196,348.

Patented Aug. 29, 1916.

Fig. 1.

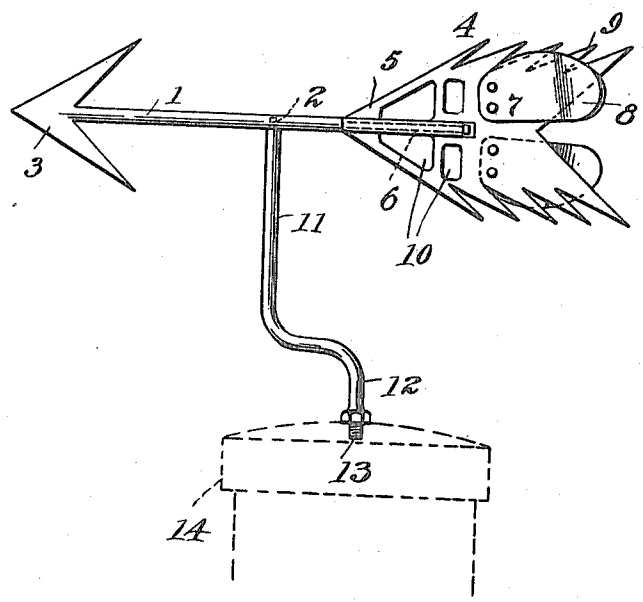
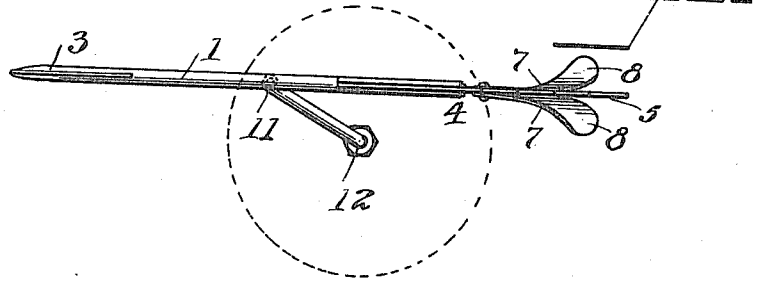


Fig. 2.



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ATTACHMENT FOR AUTOMOBILES.

1,196,348. Specification of Letters Patent. Patented Aug. 29, 1916.

Application filed March 31, 1916. Serial No. 88,123.

To all whom it may concern:

Be it known that I, WILLIAM GIANINI, a citizen of the United States, and resident of New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Attachments for Automobiles, of which the following is a specification.

This invention relates to novelties such as are attached in conspicuous places to attract attention. Such novelties are now in vogue attached near the front of motor cars.

The general object is to produce a mechanical novelty of this description which can be readily attached in position, and which will be controlled by the wind in such a way as to insure its attracting the eye of a passer-by. The device may be constructed in such a way as to prevent its obstructing the hood of the motor when it is necessary to remove the hood.

The drawing illustrates an embodiment of the invention.

Figure 1 is a side elevation, Fig. 2 is a plan.

The device is of very simple construction and preferably consists of a body in the form of a pointer, arrow or dart held in a substantially horizontal position. For this purpose the shaft 1 of the arrow is pivotally supported upon a vertical pivot 2. The forward end of the arrow is formed into a point 3 and the rear end of the arrow comprises a tail 4, which is constructed so as to be turned by the wind. This tail may be constructed in any desired manner to get this effect. However, it preferably comprises a centrally disposed vane 5 rotatably attached or swiveled upon a long pintle 6, which extends rearwardly from the rear end of the shaft. This vane is provided with means enabling it to be rotated by the wind. For this purpose, on each side of the vane I attach a blade 7, which is shaped so that it presents an inclined surface 8 to the wind. When held in an air current or breeze the pressure on the blades 7 will cause the vane 5 to rotate at a high speed.

In order to simulate the appearance of an arrow more completely I prefer to form the vane 5 with inclined points 9, which give a semblance of feathers. I have discovered that in such a construction as I have described, if the vane 5 is of substantial area such as illustrated, it is desirable to form openings of some kind, for example, such as shown at 10. In this way the vane offers very little resistance and the tail will rotate.

In order to support the arrow the supporting pintle 2 is preferably formed on the end of a crank 11, which forms an off-set extension from a stem 12, the lower end of the stem being provided with a screw thread 13 to enable it to be fastened to a support, for example, to the cap of an auto motor indicated by the dotted outline 14.

In case the crank portion 11 of the device projects over the hood of the motor when the device is screwed up tight in such a way as to obstruct the path of movement of the hood when being put in place, then the stem 12 may be slightly rotated to swing the crank portion over to the other side.

It is evident that the rotating blades 8 will offer sufficient resistance to the current of air to insure that in addition to their function of rotating the tail, they will simultaneously hold the arrow so that it points toward the air current developed by the car.

It is understood that the embodiment of the invention set forth herein is only one of the many embodiments the invention may take, and I do not wish to be limited in the practice of my invention nor in my claims to the particular embodiment set forth.

What I claim and desire to secure by Letters Patent is:

1. As a new article of manufacture, a body supported to swing about a pivot, and a tail rotatably attached to the rear end of said body, said tail having blades for engaging a current of air to rotate said tail and simultaneously hold the forward end of said body toward the direction of the air current.

2. As a new article of manufacture, an arrow having a pivotally supported shaft, a vane swiveled on the rear end of said shaft, and laterally projecting blades attached to said vane for rotating the same and for holding the point of the arrow toward the direction of the air current.

3. As a new article of manufacture, an arrow having a pivotally supported shaft, a vane swiveled on the rear end of said shaft, and laterally projecting blades attached to said vane for rotating the same and for holding the point of the arrow toward the direction of the air current, said vane having openings therethrough to facilitate the rotation thereof by said blades.

4. As a new article of manufacture, a stem

having a screw threaded end and having an off-set portion constituting a crank for attaching said stem to a support, a shaft pivotally supported on said crank, a vane having a swivel connection with the rear end of said shaft and constructed to rotate upon said swivel connection, and blades attached to said vane for rotating the same upon said swivel connection.

Signed at New York city in the county of New York and State of New York this 27 day of March A. D. 1916.

WILLIAM GIANINI.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."