

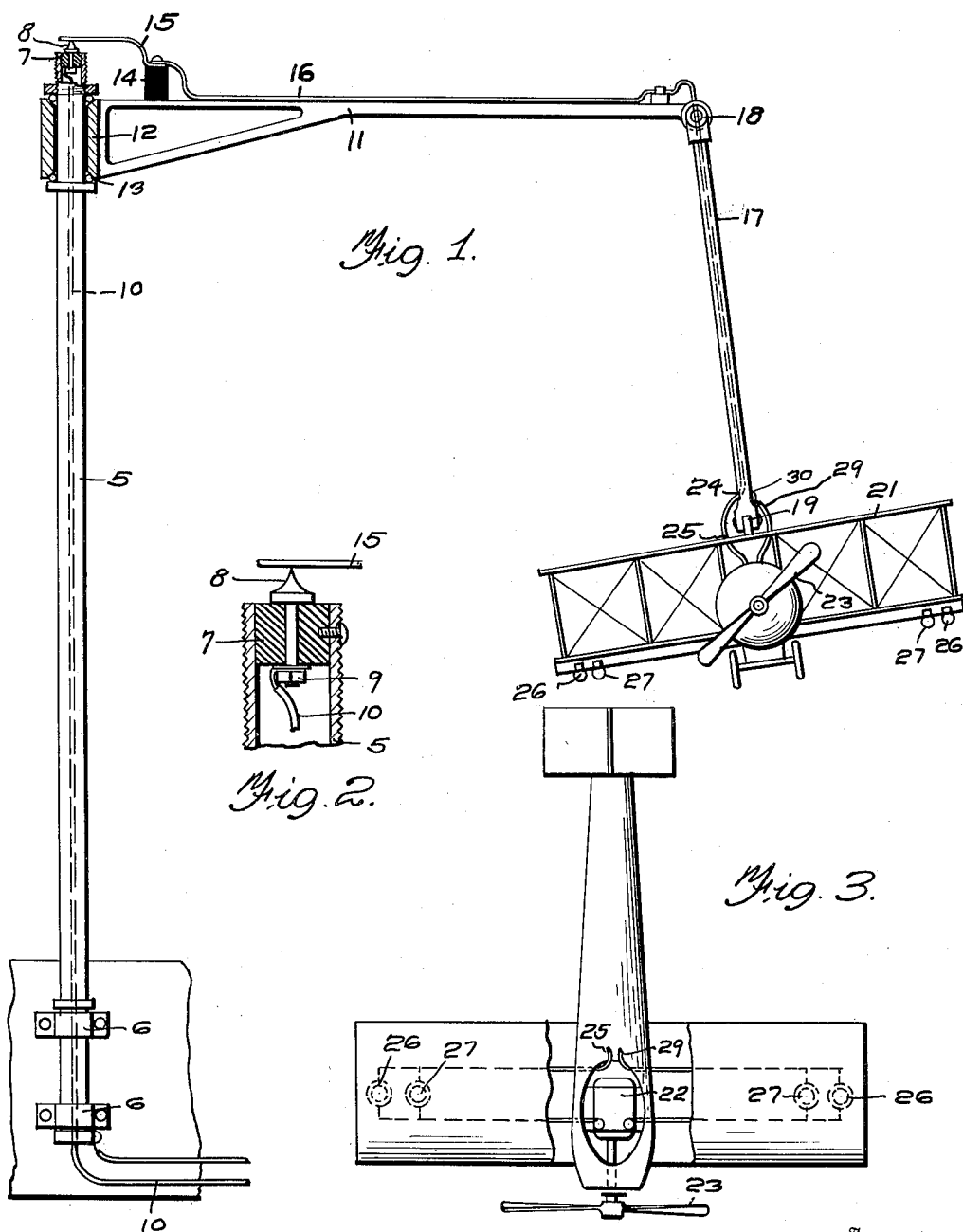
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W. HANSON

ADVERTISING DEVICE

Filed July 18, 1924



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UNITED STATES PATENT OFFICE.

WILLIAM HANSON, OF NIAGARA, NORTH DAKOTA.

ADVERTISING DEVICE.

Application filed July 18, 1924. Serial No. 726,733.

To all whom it may concern:

Be it known that WILLIAM HANSON, citizen of the United States, residing at Niagara, in the county of Grand Forks and State of North Dakota, has invented certain new and useful Improvements in Advertising Devices, of which the following is a specification.

This invention relates to an advertising device and comprises a small aeroplane hung from a rotative arm, the aeroplane carrying an electric motor to which current is supplied through said arm, the motor driving the propeller and furnishing the power by which bodily movement is imparted to the aeroplane and rotative movement is imparted to the arm. The aeroplane is utilized as an advertising carrying medium and is preferably equipped with vari-colored lights, supplied with energy from the same source of current which supplies the motor.

In the accompanying drawings:

Figure 1 is a side elevation, partly in section, of a device constructed in accordance with the invention.

Fig. 2 is a fragmentary sectional view through the upper end of a standard hereinafter described, and

Fig. 3 is a plan view of the aeroplane.

Like numerals designate corresponding parts in all of the figures of the drawing.

For purposes of illustration I have shown a piece of pipe or electric conduit, illustrated at 5, held to the side of a building, or other object, by means of clamps 6. An insulating block, 7, is mounted in the upper end of the conduit and carries a contact point 8. The lower end of the point 8 constitutes a binding post, 9, for one end of an electric conductor, 10, which leads downwardly through the conduit to a source of current supply.

A rotative or swinging arm, 11, is provided with an elongated hub, 12, and is mounted for rotation upon the upper portion of the standard 5 by means of balls or other anti-friction bearings, 13. An insulating block 14 mounted upon the upper face of the arm, 11, carries a contact spring, 15, the free end of which presses upon the point 8. Thus an electrical contact is made between the point, 8, and the spring, 15, while the rotation of the arm, 11, is not interfered with. An electrical conductor 16, is connected to the spring, 15, upon the insulating block, 14, and is continued downwardly through a tubular section, 17, which is

hingedly connected at 18 to the other end of the arm, 11. The lower end of the tubular section 17 is connected at 19 to the top of a small aeroplane 21. A motor 22 mounted in this aeroplane drives the propeller 23 of the plane. The conductor 16 passes out of the tubular section 17, at 24, and is extended downwardly into the plane at 25, see Figs. 1 and 3. The wiring is continued from that point to include the motor and lights 26 and 27, which may be, and preferably are, vari-colored. The lights may be of any desired color though I prefer red and white. The return lead of the wire at 29 is grounded to the tubular section 17, at 30.

Thus with the current turned on the motor will be energized, as well as the lights and the operation of the motor will, through the propeller, impart a forward movement to the aeroplane in a circular path as defined by the rotation of the arm, 11. As the speed increases the tubular section 17 swings outwardly.

It is my intention to mount, or paint upon the plane advertising signs of any desired nature. I have found by actual tests that the attention attracted by this advertising device is such as to render it an advertising medium of high value. The article is of such a nature that it can be manufactured at a very small cost since the wings of the aeroplane can be made of wire mesh, fabric covered. However the particular construction is a matter of choice, and the invention is not limited in that respect.

Having described my invention what I claim is:

A device of the character described comprising a tubular supporting standard, an insulating block on the upper end thereof, a vertical contact point carried by said block and having its upper end projecting thereabove, a conductor leading through the standard and connected to the contact point and constituting one of the leads of an electric circuit, a second conductor constituting the other lead of said electric circuit, and electrically connected to said standard, an arm mounted to swing in a horizontal plane about said standard, a conductor extending along said arm, a contact spring to which said conductor is connected, said spring extending horizontally along said arm and having a free end which overlies and bears resiliently upon said upstanding point, a

tubular member hingedly connected to the outer end of said arm, through which the last named conductor extends, an aeroplane hung from the lower end of said tubular member and a motor for driving said aeroplane, said motor being supplied with current through the circuit completed from the contact point, spring and the conductor extending along said arm and through the tubular member, the return circuit being through the material of the tubular member and the material of the arm and the standard to the second named conductor.

In testimony whereof he affixes his signature.

WILLIAM HANSON.