Oct. 5, 1937. L. B. FRYE 2,094,942

ROTARY SIGN

Filed April 3, 1937

Fig. 1.

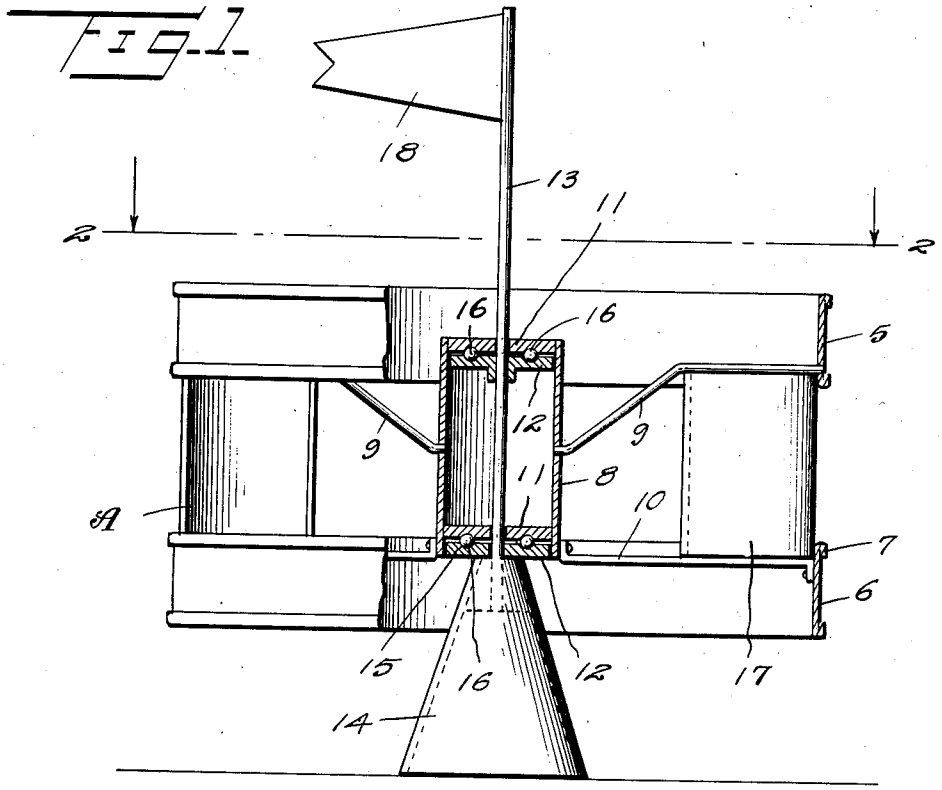
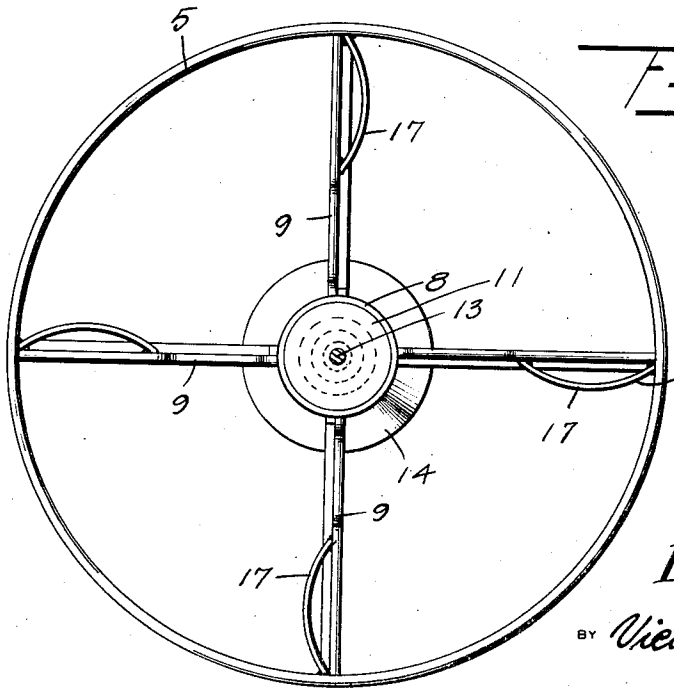


Fig. 2.



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ROTARY SIGN

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2 Claims. (Cl. 40—39)

The invention relates to signs and more especially to wind operated rotary signs.

The primary object of the invention is the provision of a sign of this character, wherein a rotating sign carrier has arranged therewith wind vanes so taht under the rotatable support the sign through air currents will be driven for the rotating of the same and in this manner displaying advertising matter present thereon, the sign being of novel construction.

Another object of the invention is the provision of a sign of this character, wherein the same is susceptible for displaying advertising matter and is usable at highways, on buildings, in store windows or upon counters within a store or otherwise and is attractive in appearance, through motion lends greater attraction to the same so that persons thereby will observe the advertising matter thereon.

A further object of the invention is the provision of a sign of this character, which is simple in construction, thoroughly reliable and effective in operation, neat in appearance, strong, durable, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention and pointed out in the claims hereunto appended.

In the accompanying drawing:

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

Figure 2 is a sectional view taken on the line 2—2 of Figure 1 looking in the direction of the arrows.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, the sign comprises a rotatable body A involving spaced upper and lower circular hoops or bands 5 and 6, respectively, preferably made from sheet metal, each folded at opposite edges outwardly and inwardly to provide reinforcement beadings 7 thereto and on the outer surface of these hoops or bands is adapted to be presented advertising matter (not shown).

Centrally with respect to the hoops or bands 5 and 6 is a tubular hub 8 to which is attached upper and lower radially disposed supporting arms 9 and 10, respectively. The arms 9 are engaged with the upper hoop or band 5 while the arms 10 are made fast to the lower hoop or band 6.

Interiorly of the hub 8 are spaced disk-like heads 11 which are superposed with respect to disk-like bearing pieces 12 fixedly carried by a flag staff 13 arranged centrally of this hub 8. The lowermost head is fixed to a stand or base 14, preferably of truncated conical shape, although it may be of any other desirable shape.

The heads 11 and the bearing pieces 12 are formed with companion ball race ways 15 accommodating anti-friction bearing balls 16.

The hoops or bands 5 and 6 with the hub 8 and supporting arms 9 and 10 constitute a rotatable wheel-like structure. Fitted with the supporting arms 9 and 10 next to the hoops or bands 5 and 6 in the space between the same are curved vanes or fan blades 17 which when subjected to wind currents will effect the rotation of the sign for display purposes.

The flag staff 13 carries a suitable flag 18.

When the vanes or blades 17 are subjected to wind pressure, the sign will rotate and the advertising indicia or mediums appearing either on the hoops or bands 5 and 6 or the vanes 17 will be constantly displaced. By this arrangement the advertising matter appears from any direction. It is possible to dispense with the hoops or bands and the rotary sign may be operated other than from wind power as it may be driven by a motor or other source.

It is to be understood that the flag staff 13 as well as the flag may be dispensed with, this being optional.

The sign is preferably made from metal although it may be made from any other suitable material.

What is claimed is:

1. A sign of the character described comprising a pair of spaced circular hoops, a hub centrally with respect to the hoops, supporting arms extending radially from the hub and connected with said hoops, wind blades fixed to said supporting arms in the space between the hoops, a stand, and relatively rotatable members carried by the stand and hub and related to each other for the rotation of the hoops including the supporting arms and hub.

2. A sign of the character described comprising a pair of spaced circular hoops, a hub centrally with respect to the hoops, supporting arms extending radially from the hub and connected with said hoops, wind blades fixed to said supporting arms in the space between the hoops, a stand, relatively rotatable members carried by the stand and hub and related to each other for the rotation of the hoops including the supporting arms and hub, and a flag staff fixed centrally of the stand and carried through the hub centrally thereof.

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