H. Y. NORWOOD.

SIGN.

APPLICATION FILED JAN. 21, 1914.

1,239,033.

Patented Sept. 4, 1917.

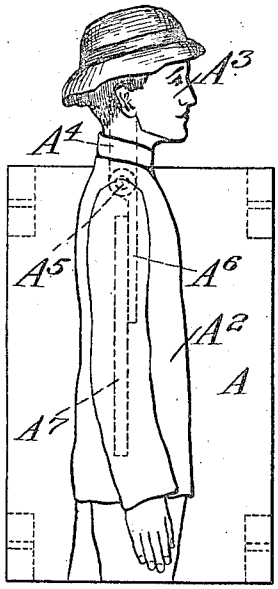


Fig. 1

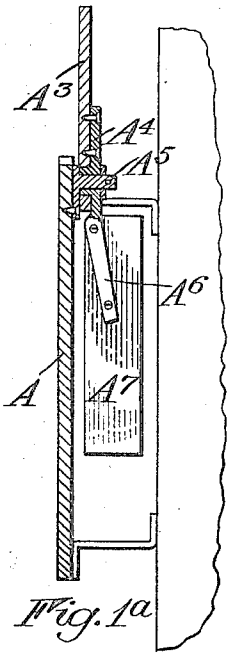


Fig. 1a

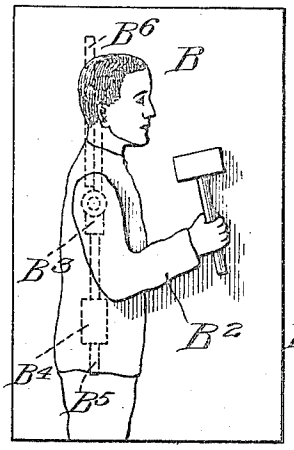


Fig. 2

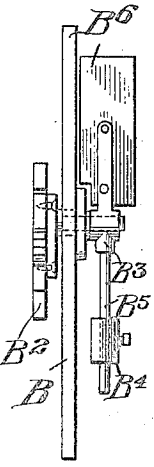


Fig. 2a

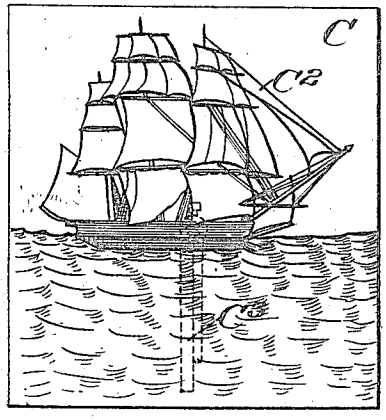


Fig. 3

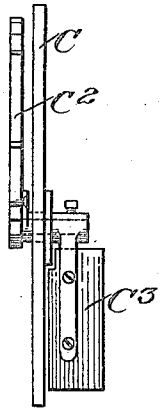
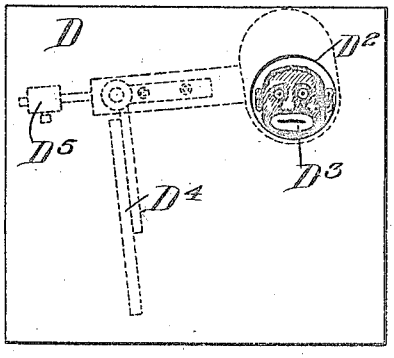


Fig. 3a

Fig. 4



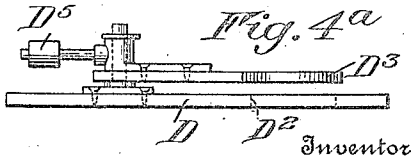


Fig. 4a

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UNITED STATES PATENT OFFICE.

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SIGN.

1,239,033. Specification of Letters Patent. Patented Sept. 4, 1917.

Application filed January 21, 1914. Serial No. 813,486.

To all whom it may concern:

Be it known that I, HARRY Y. NORWOOD, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Signs; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

My invention relates to signs, and it has for its object to provide a novel construction applicable to signs that are exposed in the open. The purpose of my invention is to afford a construction that will operate in a manner so as to quickly attract attention, by having a movable part that coöperates to complete a figure or picture, and thus call attention to the advertising matter to be displayed. Still an additional purpose contemplated in my improvement lies in so constructing the parts that the first cost of the sign will be the only expense incurred, its subsequent operation being entirely automatic, and not in any manner dependent upon artificial power. To these and other ends the invention consists in certain improvements and combinations of parts all as will be hereinafter more fully described, the novel features being pointed out in the claim at the end of the specification.

In the drawings:

Figure 1 is a front elevation of a sign constructed in accordance with my invention, and

Fig. 1ª is a vertical sectional view of the same;

Fig. 2 is a front elevation of a slightly modified form, and

Fig. 2ª is a side elevation of the same;

Fig. 3 is a front elevation of another application of the form shown in Figs. 1 and 1ª, and

Fig. 3ª is a side elevation of the construction shown in Fig. 3;

Fig. 4 is a front elevation of still another embodiment of the construction, and

Fig. 4ª is a plan view of the same.

Similar reference numerals in the several figures indicate the same parts.

The invention is susceptible of various applications, an instance of which is found in the large, prominently displayed sign boards that are placed in fields or other open spaces along the length of a railroad track, and where a great many of such signs are employed, especially in undeveloped parts of the country, it becomes more or less impracticable to supply artificial power for operating any movable parts thereof. At the same time, it is especially desirable to have some means for attracting attention other than the conventional stationary sign which has gone into such extensive use that it no longer serves its purpose as efficiently as was originally contemplated. With these conditions in mind, I have devised a sign which may comprise the figure of a person, or animal, an object or scene, having as an essential part thereof a movable portion or object which when actuated carries out the effect of the picture in a natural or life-like manner, and thereby makes the sign stand out prominently so that the attention of the observer is called to it quickly.

In Figs. 1 and 1ª in which is shown one application of my improvement, A designates a stationary back or support carrying the picture or figure of a man at A^2. The head of the man is adapted to move relatively to the body portion, and to this end I provide an object portion A^3, which embodies the figure of the head, and is so positioned relatively to the stationary part of the figure as to impart a natural effect. The object portion A^3 is connected to or carries a vane, and in the present instance, it is secured on a bracket A^4, which is journaled on the bearing A^5, and has a downwardly extending arm A^6, to which is attached the vane A^7. The vane A^7 is arranged at right angles to the stationary back A, being disposed in the path of the wind or air currents, and adapted to oscillate back and forth as the wind velocity varies. As the vane A^7 is actuated, the object portion A^3 is moved correspondingly, traveling in a plane parallel to the plane of the stationary back, and thus creating the effect of a man nodding his head.

The invention may be carried out in different ways, and in Figs. 2 and 2ª the same principle is applied to a slightly different construction. In this form, B is the stationary back bearing the figure of a man, and B^2 is the object portion representing one arm of the man, the hand carrying a suitable tool, and as the arm moves back and forth it conveys the impression of the man wielding the tool. The object portion B^2 is carried on a shaft which is suitably journaled

in the stationary back, and has fixed thereon at its opposite end a casting B^3. B^4 is a weight mounted on the rod B^5 carried by said casting, and B^6 is a vane secured to the upper portion of the casting. Fig. 2^a shows the normal position of the parts, the weight serving to hold the vane in the upper position shown, and this construction is preferable where the wind velocity is likely to be greater and more variable, as the weight B^4 has a tendency to balance the vane, and to impart more or less regularity to its movements.

Another modification of the construction appears in Figs. 3 and 3^a in which the stationary back C has represented thereon a picture of water and a ship traveling upon the same. In this instance, the ship constitutes the object portion as designated at C^2, while C^3 is the vane connected to the object portion and adapted when oscillated to give to the observer the effect of a ship rocking on the waves.

Still another illustration of the manner in which the invention may be carried out is shown in Figs. 4 and 4^a where the stationary back D is provided with an opening D^2 and the object portion D^3 comprises a face or the like adapted to be alternately moved into and out of alinement with the opening in the stationary back. The object portion is suitably journaled on a bearing carried by the stationary back, and carries a vane D^4, and a weight D^5 which balances and controls the movements of the object portion when the vane is rocked.

I claim as my invention:

In a movable sign, the combination with a stationary back having a figure represented thereon, of a pivotally mounted object portion forming a part of said figure, and a vane connected with the object portion and arranged in rear of the stationary back, said vane acting to balance the object portion and lying normally in an upright or vertical position to be acted upon by air currents and to move freely in opposite directions from said vertical position and effecting a corresponding oscillation of the object portion.

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