(No Model.)

A. T. FAGERBURG.

REVOLVING SIGN.

No. 346,197. Patented July 27, 1886.

Fig. 1.

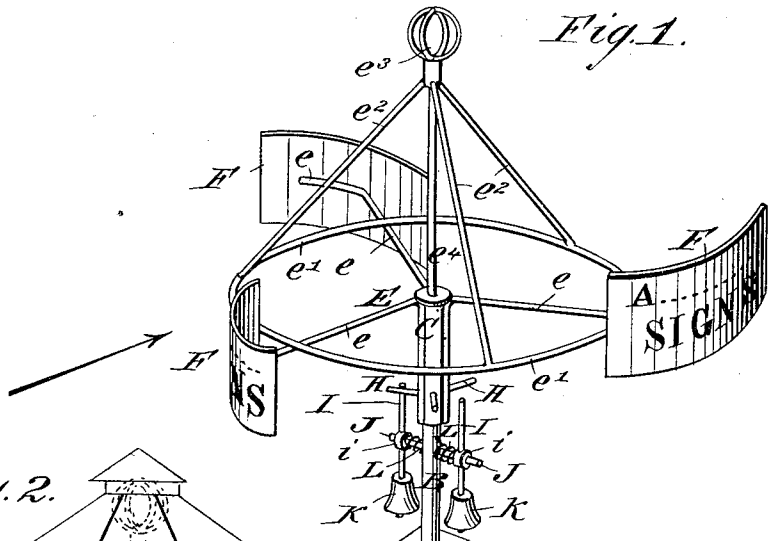


Fig. 2.

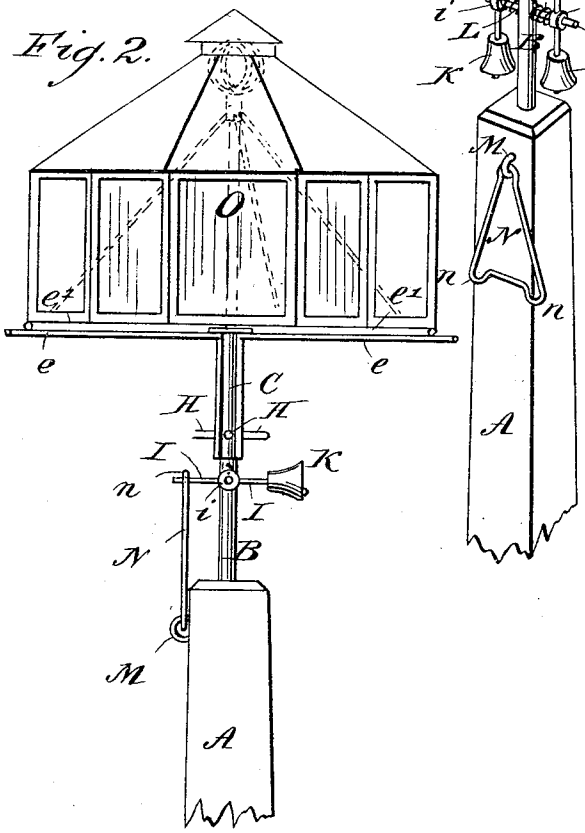
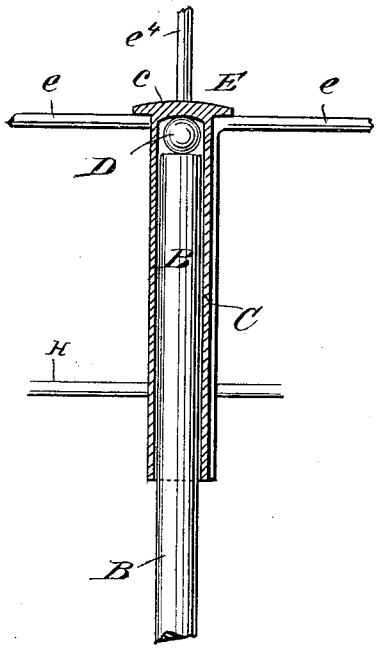


Fig. 3.



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UNITED STATES PATENT OFFICE.

ALFRED T. FAGERBURG, OF BLOOMINGTON, ILLINOIS.

REVOLVING SIGN.

SPECIFICATION forming part of Letters Patent No. 346,197, dated July 27, 1886.

Application filed February 15, 1886. Serial No. 191,951. (No model.)

To all whom it may concern:

Be it known that I, ALFRED T. FAGERBURG, of Bloomington, in the county of McLean and State of Illinois, have invented a new and Improved Revolving Sign, of which the following is a full, clear, and exact description.

My invention relates to revolving signs adapted for advertising purposes, and has for its object to provide a simple, inexpensive, and effective device of this character.

The invention consists in certain novel features of construction and combinations of parts of the revolving sign, all as hereinafter fully set forth.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my improved revolving sign, the lower portion of its supporting post or pedestal being broken away. Fig. 2 is a detail side view showing the signal-bells held out of action, and also showing a transparent sign-frame supported on the head-frame; and Fig. 3 is an enlarged detail sectional elevation showing the bearings of the revolving head-frame of the sign.

The supporting-post A of the sign may be made of any suitable material, and is to be fixed to a base-support which will hold the post upright outdoors, or in a show-window, or on a store-counter, or in other place.

To the top of the post A is fixed a vertical rod, B, over the top of which a sleeve, C, is loosely fitted, and between the head *c* of the sleeve and the top of rod B a ball, D, is placed to form an anti-friction bearing for the head-frame E of the sign, which is fixed to the sleeve C and revolves with it.

The head-frame E consists of wire arms *e*, fixed to and radiating from the upper end part of sleeve C, a wire ring, *e'*, soldered to the arms *e*, and upper rods, e^2, soldered to the ring *e'*, and converging toward their upper ends, where they are connected to an ornamental cap, e^3, which is fixed to a rod, e^4, attached to and rising from the head of the revolving sleeve C. The arms *e* extend beyond the ring *e'*, and the extremities of the arms are bent to fit the concaved inner faces of the curved plates F, on the outer faces of which are painted or fixed, or produced in any way, the letters, words, or symbols to which the attention of buyers or persons passing is to be called.

The sign-plates F are soldered to the bent ends of the arms *e*, and at their inner ends are soldered to the ring *e'*, which makes a strong, light, and durable construction.

The parts e^2 e^3 e^4 of the head-frame E are not essential as a brace to the arms *e* and ring *e'*, should these latter parts be made heavy enough to support the sign-plates; but the use of parts e^2 e^3 e^4 is preferred, as they not only brace the arms and ring, but give a neat finish to the head of the device. When the sign-plates are deep or broad, there may be two rings, *e'*, supported by arms *e* from the sleeve C, and to which the plates may be attached.

To the sleeve C there are fixed one or more horizontally-arranging arms or tappets, H, which, as the sleeve revolves, strike the upper ends of the stems I, which have collars *i* fitted to turn on rods J, projecting from the post-rod B, and whereby bells K, fixed to the lower ends of the stems I, will be rung as the tappets H strike, turn down, and pass the stems. Springs L, coiled around the rods J and fixed at opposite ends to the rod B, and the stem-collars *i*, tend to hold the stems upright in position to be struck by the tappets.

For holding the bell-stems I out of the path of the tappets H, and thus preventing a ringing of the bells as the sign-plates revolve, there is held to the post A by a staple, M, a triangularly-shaped wire frame, N, which has notches *n n*, which may be hooked over the bell-stems I I when the latter are swung into horizontal position, and as shown in Fig. 2.

A transparent frame, O, may be placed on the head-frame E, as shown in Fig. 2, at night, so that signs produced on the walls of the frame O may be clearly seen by the aid of a light placed inside the frame.

The signs are intended more especially for use outdoors, where the pressure of the wind on the sign-plates will rotate them to expose the plates successively to view.

There may be any desired number of the sign-plates F on the head frame E, six plates being ordinarily employed.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination, in a revolving sign, of

a supporting-rod, as at B, a sleeve, C, journaled thereon, and a head, E, connected to sleeve C, and comprising radial arms *e*, a ring, *e'*, and curved sign-plates F, connected to the bent ends of arms *e*, which project beyond the ring *e'*, and connected at their inner ends to said ring, substantially as and for the purposes set forth.

2. In a revolving sign, the head-frame made with a sleeve adapted to support the frame on a rod, arms *e*, radiating from said sleeve, a ring, *e'*, curved sign-plates F, connected to the bent ends of arms *e*, which project beyond the ring, and connected at their inner ends to said ring, and brace-rods e^2 e^4, substantially as herein set forth.

3. The combination, in a revolving sign, of a supporting-rod, B, a head-frame carrying sign-plates and adapted to revolve on the rod, tappets, as at H, on the head-frame, and bells K, pivoted to rod B, with their stems I in the path of the tappets, substantially as herein set forth.

4. The combination, in a revolving sign, of a supporting-rod, B, a head-frame carrying sign-plates and adapted to revolve on the rod, tappets H, bells K, pivoted to rod B, and springs L, acting to hold the bell-stems in the path of the tappets, substantially as herein set forth.

5. The combination, in a revolving sign, of a rod, B, supporting the revolving head-frame carrying the sign-plates, rods J, fixed to rod B, and bell-stems and bells I K, hung on said rods J, and a link, N, pivoted to the sign-support and adapted to be swung into engagement with the bell-stems I, to hold the bells out of action, substantially as herein set forth.

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Witnesses:

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