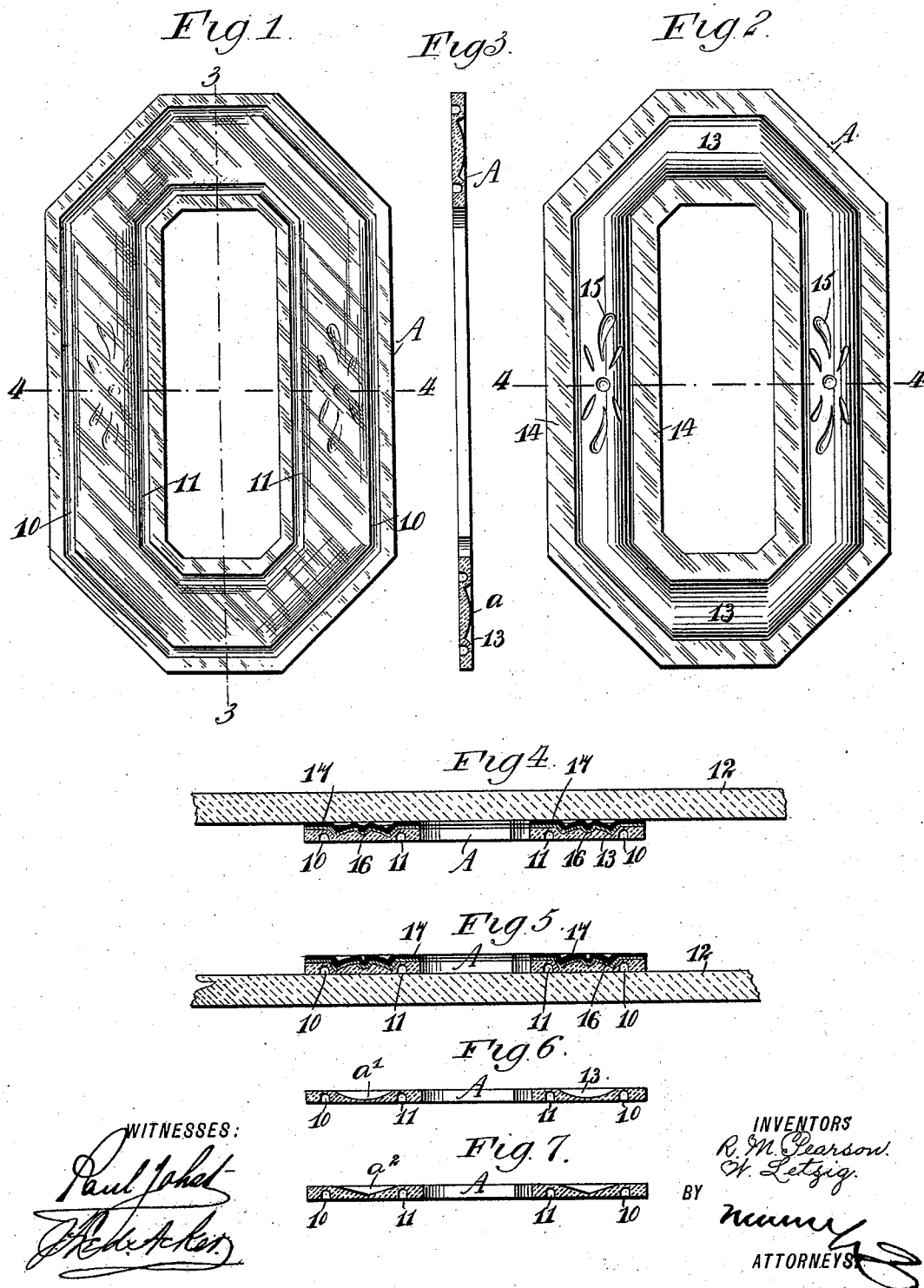


(No Model.)

R. M. PEARSON & W. LETZIG.
SIGN LETTER.

No. 576,885.

Patented Feb. 9, 1897.



UNITED STATES PATENT OFFICE.

RALEIGH M. PEARSON AND WILLIAM LETZIG, OF LITTLE ROCK, ARKANSAS.

SIGN-LETTER.

SPECIFICATION forming part of Letters Patent No. 576,885, dated February 9, 1897.

Application filed March 21, 1896. Serial No. 584,264. (No model.)

To all whom it may concern:

Be it known that we, RALEIGH M. PEARSON and WILLIAM LETZIG, of Little Rock, in the county of Pulaski and State of Arkansas, have invented a new and useful Improvement in Sign-Letters, of which the following is a full, clear, and exact description.

The object of the invention is to construct a letter, character, or symbol of a transparent material and to back said letter with gold, silver, or colors, said colors having a backing of tin or lead foil, whereby the letters will be exceedingly transparent and the color thoroughly protected.

A further object of the invention is to so shape the letter, character, or symbol that it may be attached to the inside or outside face of a pane of glass with equal ease and efficiency and whereby the letter may be secured to the plain surface of any material.

Another object of the invention is to so form the outer face of the letter, character, or symbol that when said face is secured to a surface the cementing or adhesive material will be prevented from appearing over the entire surface of the letter, being confined to the margin of the same.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

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

Figure 1 is a front elevation of a letter constructed in accordance with the invention. Fig. 2 is a rear elevation of the letter shown in Fig. 1. Fig. 3 is a vertical section through a letter, taken substantially on the line 3 3 of Fig. 1. Fig. 4 is a transverse section through the letter, the said section being taken on the lines 4 4 of Figs. 1 and 2, the letter being illustrated as attached to the outer surface of a window-pane, which latter is also in section. Fig. 5 is a view similar to Fig. 4, the letter, however, being shown as applied to the inner face of the window-pane; and Figs. 6 and 7 are transverse sections through the letter, illustrating slight modifications in the formation of the inner or back surface of the same.

In carrying out the invention the letter "A" is made of a transparent material, such as glass, celluloid, or its equivalent. On the front face of the letter two marginal grooves 10 and 11 are made, which, when the letter is to be attached to the inner face of a pane of glass 12, for example, as shown in Fig. 5, will prevent the cement or other adhesive material employed for the attachment of the letter from passing over the body portion of the same, any excess of cementing material finding its way into the aforesaid grooves 10 and 11, since, when the letter is to be attached to the inside of a pane of glass, the cementing material is applied to the marginal portions of the front face of the letter.

At the back of the letter a central continuous groove or channel 13 is made, which groove or channel is quite broad, leaving, however, a plain smooth marginal surface 14 at each side of the groove. The bottom wall of this groove, as shown in Figs. 3 and 4, may have a convexed surface a , or, as shown in Fig. 6, the said bottom wall may be provided with a concaved surface a' , or an angular bottom wall a^2 may be provided for the said back groove, as shown in Fig. 7, and if in practice it is found desirable the bottom wall of the back groove 13 may be provided with ornaments 15, etched, cast, cut, or otherwise produced directly in the body of the letter.

A covering 16 is applied to the entire back of the letter, and the said covering consists, preferably, of paint in oil-colors, and the colored covering 16 is provided with a backing 17, of tin or lead foil or a like material; but if in practice it is found desirable the colored covering 16 may be omitted and the foil only be employed as a backing for the letter, since the foil may be in any desired color or colors.

Impervious cement is preferably used for attaching the letter to its support, so that the letter may be washed over with impunity without danger of being loosened from its support.

A letter constructed as above set forth is simple, durable, and economic in construction, producing a brilliant effect, and may be readily applied and likewise as readily removed from a support, and when said letter is made of glass it will not be broken by reason

of the expansion of the glass pane to which it may be applied, since the letter will contract and expand only with the glass foundation to which it is secured.

5 The marginal grooves 10, which prevent the spread of the cementing material, may be made in letters constructed of metal or other material with equally good effect as when glass is employed.

10 Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. A transparent letter having approximately parallel front and back faces, each
15 formed with recesses capable of receiving cement for holding the letter in place, the letter having coloring material secured to one face and being capable of having either face secured to the part by which the letter is sup-
20 ported, substantially as described.

2. A transparent letter having approxi-

mately parallel front and back faces, one face being formed with two grooves respectively running around the edges of the face and the remaining face being formed with a continu- 25
ous depression, the letter having one face colored and being capable of having either face cemented to the surface on which the letter is supported, substantially as described.

3. A sign having a transparent body portion formed with two approximately parallel faces, each capable of being attached to the part by which the sign is held and the body portion being colored and the colored portion being visible from either face of the body por- 35
tion, substantially as described.

RALEIGH M. PEARSON.
WILLIAM LETZIG.

Witnesses:

THOS. P. MERIWETHER,
WM. REIMAN.