

(No Model.)

R. H. FOLLENIUS.

NAME OR INSCRIPTION PLATE FOR MONUMENTS, SIGNS, &c.

No. 527,744.

Patented Oct. 16, 1894.

Fig. I.

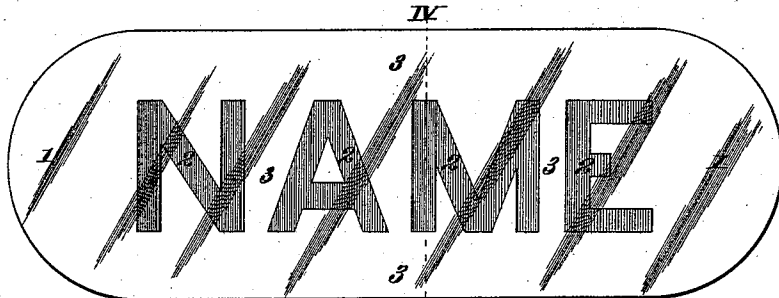


Fig. II.

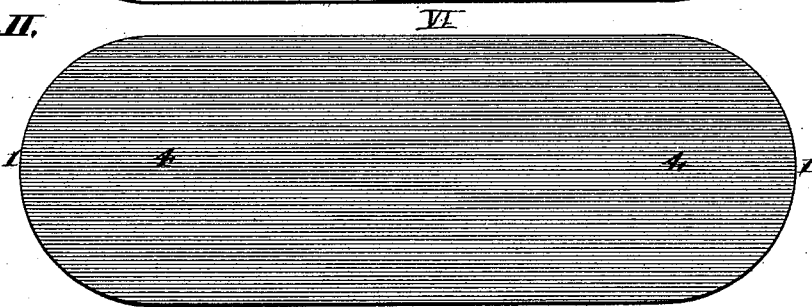


Fig. III.

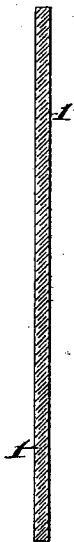


Fig. IV.

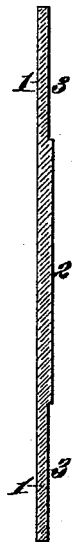


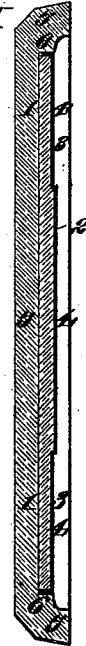
Fig. V.



Fig. VI.



Fig. VII.



Attest;

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UNITED STATES PATENT OFFICE.

REINHOLD H. FOLLENIUS, OF ST. LOUIS, MISSOURI.

NAME OR INSCRIPTION PLATE FOR MONUMENTS, SIGNS, &c.

SPECIFICATION forming part of Letters Patent No. 527,744, dated October 16, 1894.

Application filed February 2, 1894. Serial No. 498,918. (No specimens.)

To all whom it may concern:

Be it known that I, REINHOLD H. FOLLENIUS, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Name or Inscription Plates for Monuments, Signs, &c., of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements on the patents issued to me November 17, 1891, No. 463,500, and September 6, 1892, No. 482,237, and in which improvements the name, sign or ornaments are produced in, or on the unexposed backs of flashed glass plates, the backs of which are of any desired color, and the lettering of which is produced in reverse order, so as to show through the glass plate in front in its right order; also a coat of glass enamel or other semi-opaque substance is spread over the entire rear surface of the plate, or over such parts of it as may be desired, and is burned in on same, and said enamel being of brilliant reflective colors and semi-opaque, concentrates its main reflective force in front like quicksilver on the back of a looking glass, reflects the lettering and ornaments through said glass plate, and makes the inscription more plainly apparent at a distance; and also said location of the inscription on the inclosed rear of the glass plate and its further protection by its enamel or other air tight and moisture tight semi-opaque cover preserves the same in all its pristine brightness; and the invention consists in features of novelty hereinafter fully described and pointed out in the claims.

Figure I is a front view of a name plate, and shows the inscription placed on its rear and seen through the transparent plate. Fig. II is a reverse or rear view of the same plate, and shows the semi-opaque glass enamel reflector back that preserves the inscription from the rear, and by reflection enlightens the same. Fig. III is an enlarged section edge view of a flashed glass plate, a well known article of commerce, in which the required color is burned in the surface of one side, and which is used in this manufacture. Fig. IV is an enlarged section, taken on line IV—VI, Fig. I, and shows the colored surface

of the flashed glass plate removed by edging or sand blasting except where the lettering intervenes and projects at the back of said plate. Fig. V is an enlarged section of flashed glass plate, in which the reverse action is adopted of removing, and thus countersinking the lettering or inscription, thereby removing the colored surface in line with the same, and leaving the flashed surface color on the balance of the back of said plate, and which also shows the thin preservative semi-opaque reflector enamel covering of the back of the plate, and of its inscription. Fig. VI is an enlarged section, taken on line IV—VI, Fig. I, and shows the colored surface of the flashed glass plate removed, except where the lettering intervenes and projects at the back of said plate, and it also shows the glass enamel or other air and water tight reflector coat that covers and protects the rear of the inscription and its surrounding surface; and Fig. VII is a like vertical enlarged section, and shows the same with its rear semi-opaque preservative covering in an inclosed frame.

Referring to the drawings: 1 represents the flashed glass plate, and 2 are the letters, name or inscription, ornaments, &c., that are in relief as shown in Figs. I, IV, VI and VII, in which the original flashed surface color of the flashed glass plate is retained in the form of said letters, name, inscription, ornaments, &c., and the surrounding and interlying portions 3 of the colored flashed surface plate is ground away or removed by edging, sand blasting, or by any other suitable means, so as to present a white field ground preferably of frosted glass, but it may be of polished glass, when desired, or the colored surface of the flashed plate within the outlines of the letters, name, or inscription, &c., is removed by countersinking at 2', by the means indicated above, and the surrounding and intervening field of the then colored surface 3' of the flashed glass plate is then both the original flashed color and stands in relief projecting beyond the level of the countersunk legend or inscription, which latter presents the appearance of frosted glass, but may be of polished glass when preferred. In either case, the surface portion of the flashed glass plate that is countersunk may have a frosted surface, as shown in Figs. I and III, of the

above cited Patent No. 482,237, issued to me September 6, 1892, (to which previous invention, this present invention is an improvement,) or it may be polished as shown in Fig. 5 I of this present application.

In said previous invention and patent, the name or inscription was preferably placed as shown therein on or in the front of the glass plate, but in connection with a very important improvement thereon, (that will be next described.) The letters, name, or inscription, &c., in the present invention is always placed on or countersunk in the back of the flashed glass plate, where it is protected from abrasion, and from the injurious effects of the weather.

I now come to the most important novel element in this invention, which is the hermetic seal constituted of the coat of semi-opaque reflector glass enamel 4, or other air-tight and water-tight preservative covering, which perfectly protects both the back of the plate, and especially the inscription or legend it carries, from the defacing inroads of air and moisture, and also of light from the rear.

The above described semi-opaque reflector glass enamel or other like air-tight and water-tight hermetic seal, being melted and burned in into integral connection with the flashed glass plate and its lettering, inscription and ornaments, thus effecting a perfect hermetic integral inclosure of the same, that insures the perfect undimmed preservation of said parts for any length of time in all the pristine brightness and distinctness of their colors. The said semi-opaque reflector glass enamel that forms the preservative integral and hermetic inclosure 4 of the back of the name plate and its inscription may be of any color that is strikingly diverse from that of the name or inscription.

5 represents an incasing frame, within which the flashed plate with its inscribed name or inscription may be inclosed; the said marginal frame having a rear countersunk bed 6 around its inner edge, in which said inscription plate is seated and held.

The glass enamel that is preferably used in

effecting the semi-opaque reflector preservative coat 4, and which is melted and integrally burned into the back of the flashed glass plate, and of its inscription, ornaments, &c., is known in commerce, as the superior glass enamel, which may be white or of any other suitable color, but I do not confine myself to the use of said superior glass enamel, as any other suitable material may be used in effecting said preservative coat 4, provided that it is air and water tight, and that it is capable of being integrally amalgamated with the flashed glass plate, and with the inscription and ornaments it preserves.

I claim as my invention—

1. In a name or inscription plate, the combination of the flashed glass plate 1, having its general rear field surface 3 white frosted, the name, inscription, ornaments &c. on said field surface and the glass enamel preservative integral cover 4, burned into and hermetically inclosing said rear surface and said inscription &c.; substantially as set forth.

2. In a name or inscription plate, the combination of the flashed glass plate 1, having its general rear field surface 3 white frosted, the colored name, inscription, ornaments, &c. 2, in projected rear relief from the level of said surface, and the glass enamel preservative integral cover 4, that is burned into and hermetically incloses said rear surface and said inscription, &c.; substantially as shown and described.

3. In a name or inscription plate, the combination of the flashed glass plate, having its general field surface 3 white frosted, the colored name, inscription, ornaments &c. 2, in projected rear relief from the level of said surface, the glass enamel integral cover 4, that is melted and burned into and hermetically incloses said rear glass surface, and said inscription &c. 2, and the frame 5, having the countersunk bed 6 in which said plate is inclosed; substantially as shown and described.

REINHOLD H. FOLLENIUS.

In presence of—

BENJN. A. KNIGHT,
GEO. EBERSOLE.