(No Model.)

R. H. FOLLENIUS.

NAME PLATE FOR MONUMENTS, SIGNS, &c.

No. 482,237. Patented Sept. 6, 1892.

Fig. I.

Fig. II.

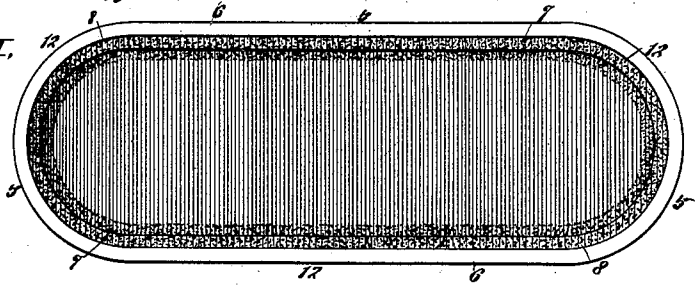


Fig. III.

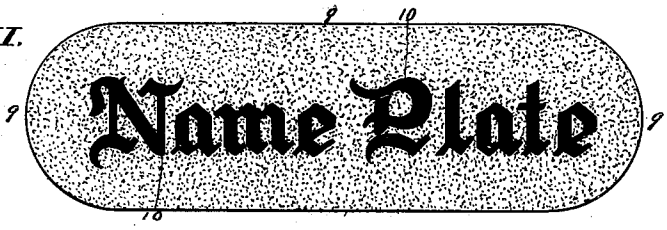


Fig. IV.

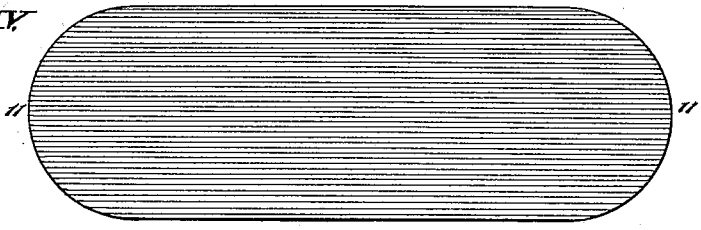


Fig. V.

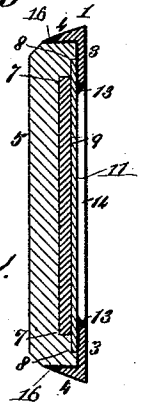
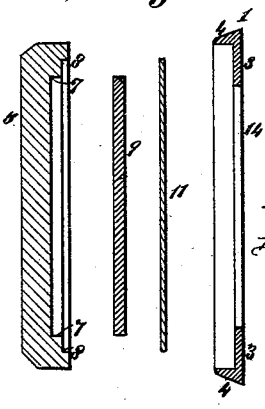


Fig. VI.



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UNITED STATES PATENT OFFICE.

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

NAME-PLATE FOR MONUMENTS, SIGNS, &c.

SPECIFICATION forming part of Letters Patent No. 482,237, dated September 6, 1892.

Application filed February 8, 1892. Serial No. 420,716. (No model.)

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-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 patent issued to me November 17, 1891, No. 463,500, and in which improvements a separate name-plate that bears the name or legend surrounded by a frosted or colored ground surface is inclosed within a boxed recess in the glass tablet through which it is clearly shown, and which name-plate is backed by a preferably porcelain plate, whose white or colored surface shows through, and brightens the lettering on the name-plate, which is clearly seen through the tablet; and the invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is a front view of the tablet inclosed in its frame and shows the frosted name-plate inclosed within said tablet with the legend inscribed thereon. Fig. II is a rear view of the glass tablet dismounted from its metal frame and shows the recess-seats, respectively, for the name-plate and for the back plate, as also the marginal frosting that combines to ornament and obscure the joint outlines of said plates. Fig. III is a front view of the name or inscription plate. Fig. IV is a front view of the back plate. Fig. V is a vertical section taken on line V V, Fig. I, and shows the metal frame, the front glass tablet, the name plate, and the back plate. It also shows the air-space back of said back plate that secures a dry offset for the same from the monument or wall to which the frame of said name-plate is secured. Fig. VI is a like view with the individual sections detached.

Referring to the drawings, 1 represents the bed-attachment frame, which may be made of metal, but may be of any other suitable material, and 2 are the perforate lugs integral with said frame, in which may be seated the bolts, screws, &c., by which the device is attached to the monument, pillar, wall, or other location to which it is required to fasten it. The said bed-frame is constituted of the back flange 3 and the forwardly-projecting peripheral flange 4.

5 represents a heavy glass tablet whose back 6 rests against said back flange 3, and its peripheral edge fits within the projecting flange 4 of said frame. The said glass tablet has a stepped double recess in its back. In the inner forward recess 7 in said tablet which is reduced in width and length to that of the outer rear recess 8, the name or inscription glass plate 9 is seated. The inscription 10 on said plate is delineated either by the stained surface of the glass, which shows the letters, and the field 15 by grinding the remainder of the surface of said plate, which grinding both frosts and removes the stained surface of the glass, as shown in Figs. I and III, or the routine may be reversed by frosting the lettering of the inscription and leaving unfrosted the stained surface of the remainder of the plate. As said name-plate is made of glass, the said inscription and frosting may be located on either the front or rear of said name-plate. While it is generally preferred to frost around the inscription when said inscription is colored only on the same side of the plate on which the legend is inscribed, yet when said inscription and its surrounding frosting are placed on the front of said plate the rear thereof may, if desired, be also frosted.

11 represents the back plate, which is preferably made of plated metal or white porcelain, that glistens through the name-plate and brightens up the inscription and its surrounding field. The said back plate, is seated in the outer rear recess 8 in the heavy glass tablet and forms a backing for the name-plate which name-plate is thus boxed in between said tablet and said back plate and thus protected in front and rear. A narrow marginal space 12 around the periphery of the inner recess 7 of the glass tablet 5 and extending throughout the outer recess 8 is frosted or ground, as shown in Figs. I and II. The effect of said frosting is to still further ornament the device and also to obscure or hide the

joints between said name-plate and said back plate and the recessed seats in the glass tablet, within which they are placed.

13 represents a narrow bevel layer of cement, that tightens the joint of the back flange 3 of the metal bed-frame to the rear of the back plate 11 to make the same waterproof. 14 represents an air-space back of said back plate 11 and within said flange 3 of the bed-plate. Said air-space serves as a non-conductor of dampness and frost to isolate the name and back plate from direct contact with the monument, wall, &c., to which it is secured.

In working my aforesaid patent of November 17, 1891, No. 463,500, I have invented a number of improvements thereon, which I have embodied in the present application for a patent, among which are the following devices: first, the clear unground and unlettered plate or molded glass tablet 5 inside its narrow margin 12; second, a separate glass name or inscription plate 9, which carries both the colored inscription and the frosted field 15, in which said inscription is embedded, or vice versa, the frosted lettering of the inscription and the colored field in which said inscription is embedded; third, a preferably plated-metal or white, porcelain back plate 11, whose reflection brightens up and beautifies the exhibit of the inscription-plate; fourth, the metal bed-attachment frame 1; fifth, the cement waterproof joint 13, and, sixth, the air cushion or space 14 between the name and back plate and the monument, wall, or pillar to which the device is attached.

Some of the advantages of said improvements, considered numerically in the same rotation as above, are:

First. The front glass tablet, unlike that in my previous patent, not carrying the incription, the said inscription is not therefore subject to the blurring effects from the permeation of moisture and frost. Another advantage of a perfectly clear unfrosted and unstained front glass tablet, except at the marginal outline space 12, is that the inscription on the name-plate shows more distinctly through the same, the coloring being exclusively in the name-plate itself, and there being no colored backing-plate that by the angle of reflection through said tablet confuses the view when said inscription (as in said patent) is on the back of said tablet and the colored plate is distinct from said name-plate; also, the narrow marginal frosted recesses in the back of the tablet obscure the outlines of the name-plate and of the back plate, so as to hide any desight from the joints.

Second. The separate glass name or inscription plate with its stained level surface avoids the necessity of placing the inscription on the tablet and coloring and frosting the said tablet, which is found to be a much more difficult matter to effect in the countersink of said tablet than it is to effect the same work on the level surface of said name-plate; also, in case of an error or breakage in inscribing, &c., the loss incurred in the thus-level name-plate is much less than it would be in the heavy-molded countersink tablet; also, by the construction of my separate name-plate, which is stained and frosted on the same surface that carries the inscription, there can be no oblique variance of the display, as in my said previous patent, where a separate colored back plate shows through the inscribed tablet at variously-divergent angles to that of the rays of light and of the line of vision.

Third. The back plate in this improvement, unlike that in my previous patent, is uncolored, being preferably of plated metal, although white porcelain, with substantially the same effect as said plated metal, may be used to reflect back the rays of light that pass through the front glass tablet and through the name-plate.

Fourth. The metal bed-attachment frame, unlike my previous device, holds and reinforces the whole attachment device. The said frame also has a distinctly different means of attachment to the monuments, walls, &c., to which it is secured to that of my previous patent.

Fifth. The cement waterproof joint 13 secures the name-plate from the intrusion of moisture.

Sixth. The device, to the reverse of my previous patent, instead of being countersunk in the monument, wall, &c., is secured flush with the surface, so as not to harbor moisture, and an air chamber or space 14 is located within the frame in front of said flush line and back to the back plate and name-plate, and thus still further secures immunity to said name-plate from the adverse effects of moisture and frost. The tablet 5 is preferably cemented around its periphery at 16 in its seat in the metal frame 1.

I claim as my invention—

1. The combination, with the monument, wall, or object to be marked, of the bed-frame 1, the glass tablet 5, the said tablet having the countersinks 7 and 8 and the frosted margin 12 in and adjoining said countersinks and the remainder of said tablet clear of color and frosting, the colored and frosted glass name-plate 9, having the inscription and its surrounding field, respectively, colored and frosted, the said name-plate seated in said countersink 7, and the back reflector-plate seated in the countersink 8, substantially as described.

2. The combination, with the monument, wall, or object to be marked, of the bed-frame, the glass tablet 5, said tablet provided with the countersinks 7 and 8 and the frosted margin 12 in and adjoining said countersinks and the remainder of said tablet being clear

of color and frosting, the colored and frosted glass name-plate 9, having the inscription and its surrounding field, respectively, colored and frosted, the said name-plate seated in said countersink 7, the back reflector-plate seated in said countersink 8, the waterproof cement ring 13, and the air chamber or inclosure 14, that constitutes a non-conductor of dampness and frost, substantially as described.

REINHOLD H. FOLLENIUS.

In presence of—
BENJN. A. KNIGHT,
SAML. KNIGHT.