R. F. MASON.

SIGN.

APPLICATION FILED JUNE 21, 1912.

1,080,358. Patented Dec. 2, 1913.

Fig 1

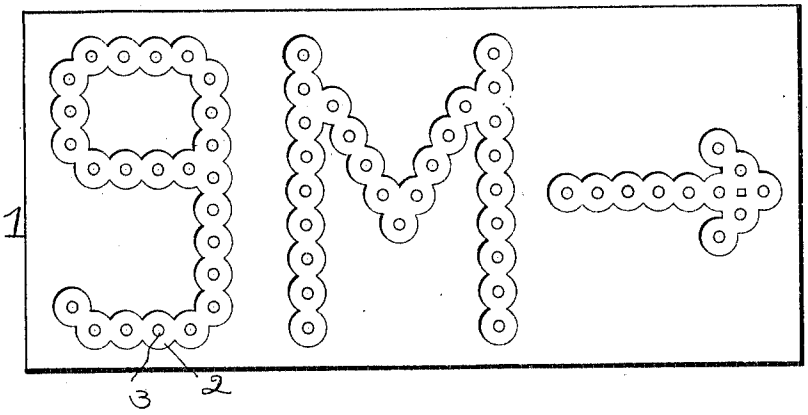


Fig 2

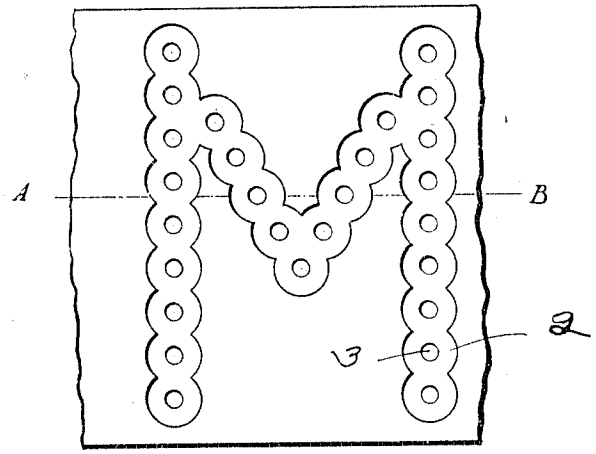
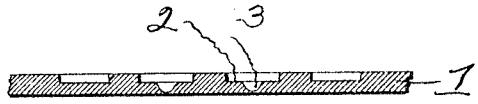


Fig 3



Witnesses

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UNITED STATES PATENT OFFICE.

RICHARD F. MASON, OF BISHOPVILLE, SOUTH CAROLINA, ASSIGNOR OF EIGHTY-FIVE ONE-HUNDREDTHS TO CHARLES A. DIVINE, OF BISHOPVILLE, SOUTH CAROLINA.

SIGN.

1,080,358. Specification of Letters Patent. Patented Dec. 2, 1913.

Application filed June 21, 1912. Serial No. 705,039.

To all whom it may concern:

Be it known that I, RICHARD F. MASON, a citizen of the United States of America, residing at Bishopville, in the county of Lee and State of South Carolina, have invented certain new and useful Improvements in Signs, of which the following is a specification.

The object of my invention is to provide a durable and effective sign; and with these and minor objects in view my invention consists of the parts and combination of parts as will be hereinafter fully set forth.

In the drawing, Figure 1 is a front elevation of a sign embodying my invention; Fig. 2 is an enlarged detail view of a single letter embodying my invention; and Fig. 3 is a sectional view on the line A—B of Fig. 2.

As shown in the drawing, each letter and character is made up of overlapping or linked circle areas as to face and of major and minor arcs of such circles as to outline or boundary, so that a series of light reflecting areas is formed around independent centers. I construct the sign of suitable material 1, in which the overlapping or linked circle areas 2 are formed by a suitable tool. In forming these letters, care must be taken that the outer edge of one circle does not come too close to the center of the next adjacent circle. If they are too close, the tool runs from the new hole, just started, to the hole previously formed, which results in breaking the tool.

The depression or countersunk circular light reflecting areas 3 are formed by the tool in the center of each circular light reflecting area 2 and are coaxial therewith. The sign is first colored with a rust or weather resisting compound and then the letters are colored by a suitable weather resisting compound of contrasting color. The larger circular light areas reflect rays of light on different angles from the smaller light areas, so that a brilliant sign is produced which can be seen clearly from a comparatively long distance. The walls 3 of the larger areas also reflect light, so that no matter from which direction the light strikes the sign, it is reflected, thus enhancing the brilliancy of the sign. These signs may be formed by a suitable machine, and in this connection attention is called to the fact that I need not have a pattern for each letter. For instance, the letters L, E, F, can all be made on one plate. That is to say, the letter E can be used as a pattern for forming the letter L by filling the upper and middle horizontal lines of the E with a suitable temporary filling, so that the operator will not follow those holes. The letters C, U, R, H, J, Z, X and K can also be used in this way as patterns for other letters.

The sign above described constitutes a one-piece solid sign of any suitable material.

In all constructions of signs shown and described, the salient features are that the letters, etc., are made up of overlapping or linked circle recesses, the sides of which merge into each other and are at right angles to the bases of said recesses, and that the letters, etc., and the material in which they are formed are of contrasting color. In some instances, the color may be the same according to the material in which the letters are formed.

What I claim and desire to secure by Letters Patent is:—

A sign comprising a body in which the characters are formed and made up of a plurality of overlapping circular recesses, the sides of which merge into each other and are at right angles to the bases of said recesses, the sides and bases of the recesses being reflecting and other reflecting recesses in the bases of and coaxial with the first named reflecting areas.

In testimony whereof I affix my signature in presence of two witnesses.

RICHARD F. MASON.

Witnesses:
F. M. SMITH,
J. E. BANFRIED.