

JAMES HARRISON.
Improvement in Signs.

No. 114,811.

Patented May 16, 1871.

Fig. 1

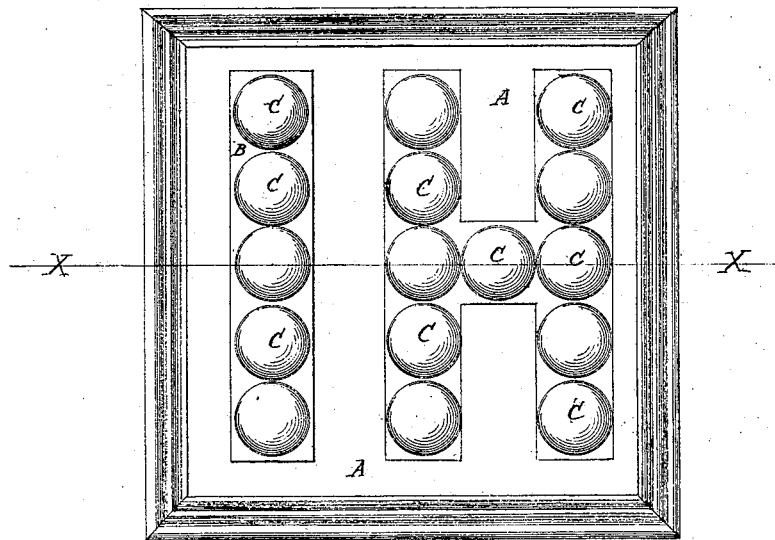


Fig. 2

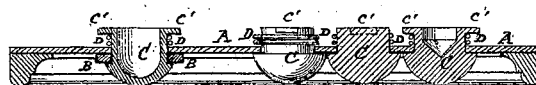
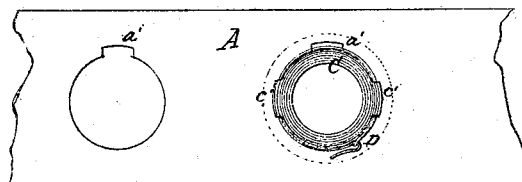


Fig. 3



Witnesses:

A. W. Amqvist
Wm. B. C. Smith.

Inventor:

J. Harrison.

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Attorneys.

United States Patent Office.

JAMES HARRISON, OF NEW YORK, N. Y.

Letters Patent No. 114,811, dated May 16, 1871.

IMPROVEMENT IN SIGNS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JAMES HARRISON, of New York city, in the county and State of New York, have invented a new and useful Improvement in Illuminating Signs; and I do hereby declare that the following is a full, clear, and exact description of the same, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a front view of a sign illustrating my improvement.

Figure 2 is a detail sectional view of the same taken through the line *x x*, fig. 1.

Figure 3 is a detail inner side view of a portion of the same, illustrating the manner in which the cups or glasses are secured in place.

Similar letters of reference indicate corresponding parts.

My invention has for its object to improve the construction of the improved illuminated signs patented by me the 4th day of September, 1866, and numbered 57,711, so as to make them more secure and durable, and thus better and more desirable for use; and

It consists in the construction of the cups or glasses and in the manner of securing them in place, as hereinafter more fully described.

A represents the background of the sign, which may be made of sheet metal or other suitable material, and behind which the light or lights are placed.

B represents a raised letter or other device, which is secured to the background A, and which may be used or not, as may be desired.

C are the cups or glasses which are inserted through holes in the background A, and in the raised or block-letters or devices B when said raised letters or devices are used.

The cups or glasses C may be hollowed more or less, or may be solid pieces of glass, as may be desired, and may be made of clear or colored glass, as may be desired.

Upon the side edges of the inner ends of the cups or glasses C are formed lugs *c'*, two, more or less, and the holes in the background A; and in the raised letters or designs B, when said raised letters or designs are used, are formed one or more notches, *a'*, as shown in fig. 3, to allow the lugs *c'* to be passed through to the inner or rear side of the background A.

A wire, D, is then wound once or twice around the inner end of the cups or glasses C between the lugs *c'* and the background A, so that, should the cups or glasses C work around so as to bring the lugs *c'* opposite the notches *a'*, the wires D will prevent the possibility of their passing through.

This construction remedies a great objection to the signs as previously constructed and as described in patent No. 57,711, as the cement with which the cups or glasses were secured in place in said sign was continually coming off and allowing the said cups or glasses to fall and break, which cannot occur when the cups or glasses are secured by means of lugs and wires, as herein described.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The lugs *c'*, two, more or less, formed upon the side edges of the inner ends of the cups or glasses C, in combination with perforated and notched background A, substantially as herein shown and described, and for the purpose set forth.

2. The combination of the wire D with the cups or glasses C, whether solid or hollow, lugs *c'*, and notches *a'* of the perforated background A, substantially as herein shown and described, and for the purpose set forth.

JAMES HARRISON.

Witnesses:

E. STEPHENSON,
W. H. BECKLEY.