(No Model.)

G. H. KITCHEN.

SIGN.

No. 353,867. Patented Dec. 7, 1886.

Fig. 1.

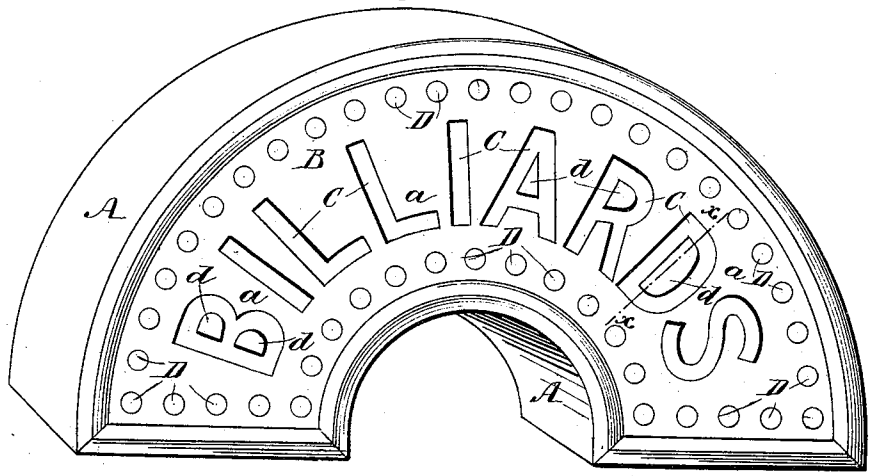


Fig. 2.

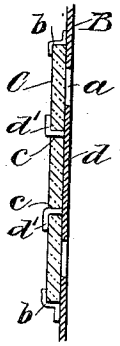


Fig. 4.

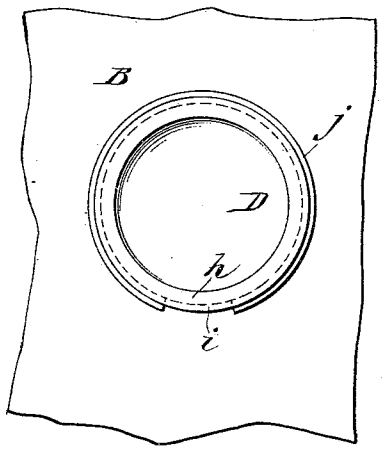
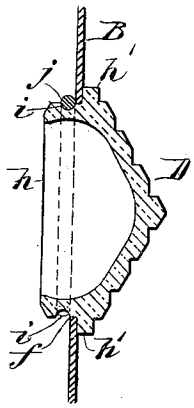


Fig. 3.



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UNITED STATES PATENT OFFICE.

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SIGN.

SPECIFICATION forming part of Letters Patent No. 353,867, dated December 7, 1886.

Application filed November 28, 1885. Serial No. 184,181. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. KITCHEN, of the city, county, and State of New York, have invented a new and Improved Sign, of which the following is a full, clear, and exact description.

My invention relates to illuminated signs wherein opal glass is used for forming the letters, and glass bull's eyes are used for ornamenting the sign.

The invention consists in the means of holding the bull's-eyes in place in the body of the sign, and in the means of forming the letters with the opal glass, all as hereinafter described and claimed.

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

Figure 1 is a perspective view of an illuminated sign made in accordance with my invention. Fig. 2 is a detailed enlarged sectional elevation taken on the line *x x* of Fig. 1. Fig. 3 is an enlarged sectional view showing the means for holding the bull's-eyes; and Fig. 4 is a reverse elevation of a bull's-eye and part of the body of the sign, illustrating more clearly the method of securing the bull's-eyes in place.

A represents the body of the sign. This is made hollow to receive gas-jets for illuminating the sign, and the front B, in which the letters of the sign appear, is by preference of galvanized iron, and it may be of any desired outline to suit the taste.

The letters *a* of the sign are cut through the front B, as shown in Fig. 2, and upon the inside of the front piece, B, over the openings formed by cutting the letters, is placed over each letter a plate, C, of opal glass or other transparent or semi-transparent substance. The plates C are held in place by small tongues of metal, *b*, secured to the inner surface of the front B and bent over the edges of the glass, as shown in Fig. 2.

Each plate C, placed back of such letters as A B R D, and other letters where a piece or pieces of metal are separate from the front B in cutting them therein, will be drilled to form small holes *c*. These are for securing in place the separate pieces of metal, *d*, necessary to form the letters above mentioned, and such other letters as require separate pieces to complete them. The separate pieces *d* have the pins or wires *d'* soldered to them, and these are passed through the orifices *c*, made in the glass, and clinched against the inner surface of the glass, as shown clearly in Fig. 2.

About the lettering of the sign the front B is ornamented with the bull's-eyes D, of glass. These protrude from the outer surface of the front B and are inserted in openings *f*, made in the front piece, B, to receive them. The bull's-eyes D are hollow, and are each formed with a shank, *h*, that fits in the opening *f*, and with the shoulder *h'*, that limits the distance of insertion of the bull's-eye. About the shank *h* is formed a groove, *i*. This is to receive the clasp-ring *j*, for locking the bull's-eye in place in the front piece, B. The clasp-ring *j* is made of spring-wire and is an open ring, so that in order to hold the bull's-eyes in place the ring has simply to be slipped upon the shank into the groove *i*. By removing the ring *j* the bull's-eye may be removed without in any manner defacing the sign.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a sign, the front B, having the sign-letters cut in it, in combination with the plates C and separate pieces *d*, the plates C being placed over the letter-openings cut in the front B, and having orifices *c*, to receive wires or pins for holding the separate pieces *d*, substantially as described.

GEO. H. KITCHEN.

Witnesses:
P. F. GIBBONS,
MICHAEL HORAN.