

SAMUEL C. COLLIS.

Improvement in Metallic-Signs.

No. 114,927.

Patented May 16, 1871.

FIG. 1.

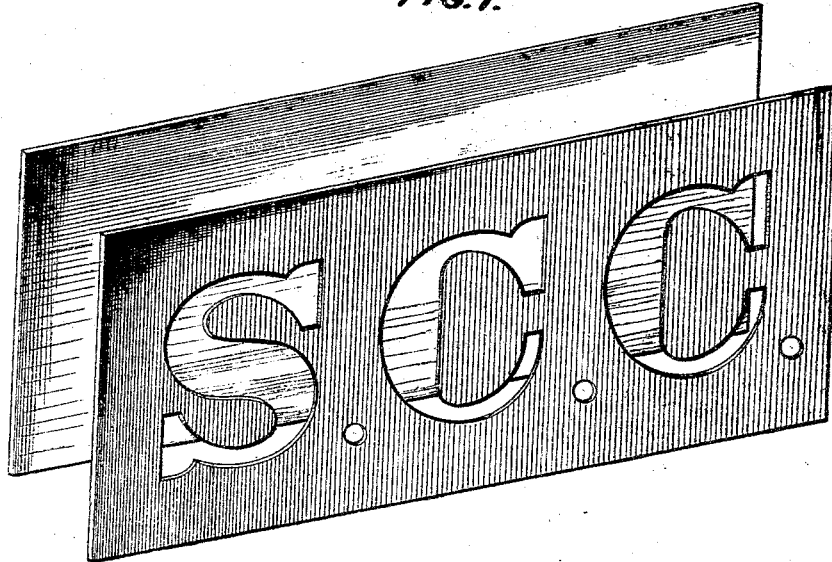
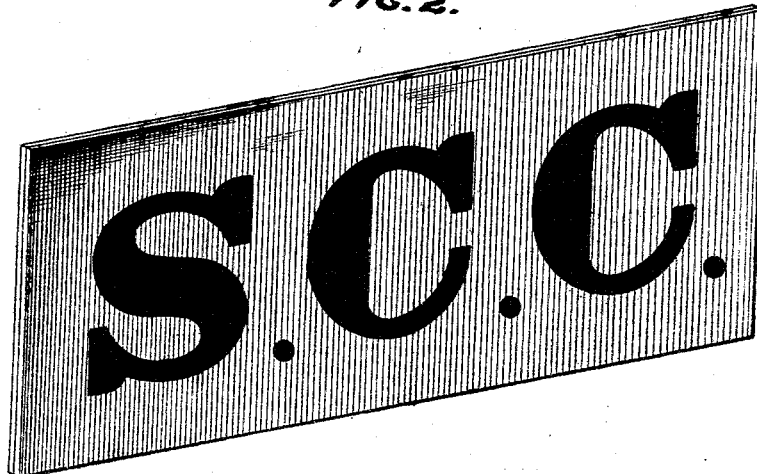


FIG. 2.



WITNESSES { *J. B. Harding.*
John Parker

S. C. Collis
by his Attor
Hewson and Son

United States Patent Office.

SAMUEL CHARLES COLLIS, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 114,927, dated May 16, 1871.

IMPROVEMENT IN METALLIC SIGNS.

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

I, SAMUEL CHARLES COLLIS, of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented an Improved Metal Sign, of which the following is a specification.

Nature and Object of the Invention.

My invention consists of a sign composed of a perforated metal plate, permanently united throughout to a non-perforated metal backing-plate, and having the recesses thus formed filled with colored composition, all as fully described hereafter, the object of my invention being to produce a cheaper and more durable metal sign than those in common use.

Description of the Accompanying Drawing.

Figure 1 illustrates the mode of manufacturing my improved metal sign, and

Figure 2 shows the sign completed.

General Description.

Metal signs having recessed letters filled with colored composition have heretofore been made by first marking out the letters upon the plate and then cutting the latter by means of chisels and gravers until recessed letters of a depth sufficient to hold a body of colored composition have been formed.

This is a very slow and laborious process, so much so, in fact, that such signs have commonly been made of zinc or other soft metal, to reduce the labor of cutting.

These soft-metal signs have to be subjected to frequent rubbing to prevent tarnishing, which has a tendency to wear away the surface, and to consequently obliterate portions of the letters, the latter, owing to the method in which they are cut, being necessarily of unequal depth.

I have overcome the above objections and have produced a cheap and durable sign, by making the same, as I will now proceed to describe, of a perforated and a non-perforated metal plate, permanently united together, and having the recesses filled with colored composition.

This will be readily understood by referring to the drawing, where—

A and B represent two metal plates, the former be-

ing perfectly plain, and the latter having the desired letters or characters cut entirely through it.

These letters may be quickly and accurately punched out by dies, such as are used in making stencil-plates, after which the two plates are soldered, brazed, or otherwise secured together so as to make a perfect and permanent junction throughout, the whole becoming, in fact, the equivalent of one solid metal plate, the recessed letters and figures in which are filled with colored composition.

The letters and characters in my improved sign are of a uniform depth, and are not liable, therefore, to be partially obliterated by the wearing away of the surface of the sign, and the latter can be made of any suitable hard metal, which is not so liable to become tarnished as zinc, and which will not require such frequent rubbing.

Cheap signs can also be produced in accordance with my invention by making the front plate of brass or copper and the backing-plate of any cheap metal or alloy, the plate thus produced having all the appearance of and being quite as substantial as a more costly plate made entirely of copper or brass.

If desired, the edges of the letters in the front plate may be so beveled that, when it is secured to the backing-plate, the recesses will be under-cut, thereby tending to retain the colored composition packed in the recesses.

My improved sign, being, in effect, when completed, one solid metal plate, can be bent to any desired shape, to be fitted to a store-front or doorway as readily as any ordinary metallic sign.

Claim.

A sign, consisting of a perforated metal plate permanently united throughout to a non-perforated metal backing-plate, and having the recesses thus formed packed with composition.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

S. C. COLLIS.

Witnesses:

WM. A. STEEL.

F. B. RICHARDS.