

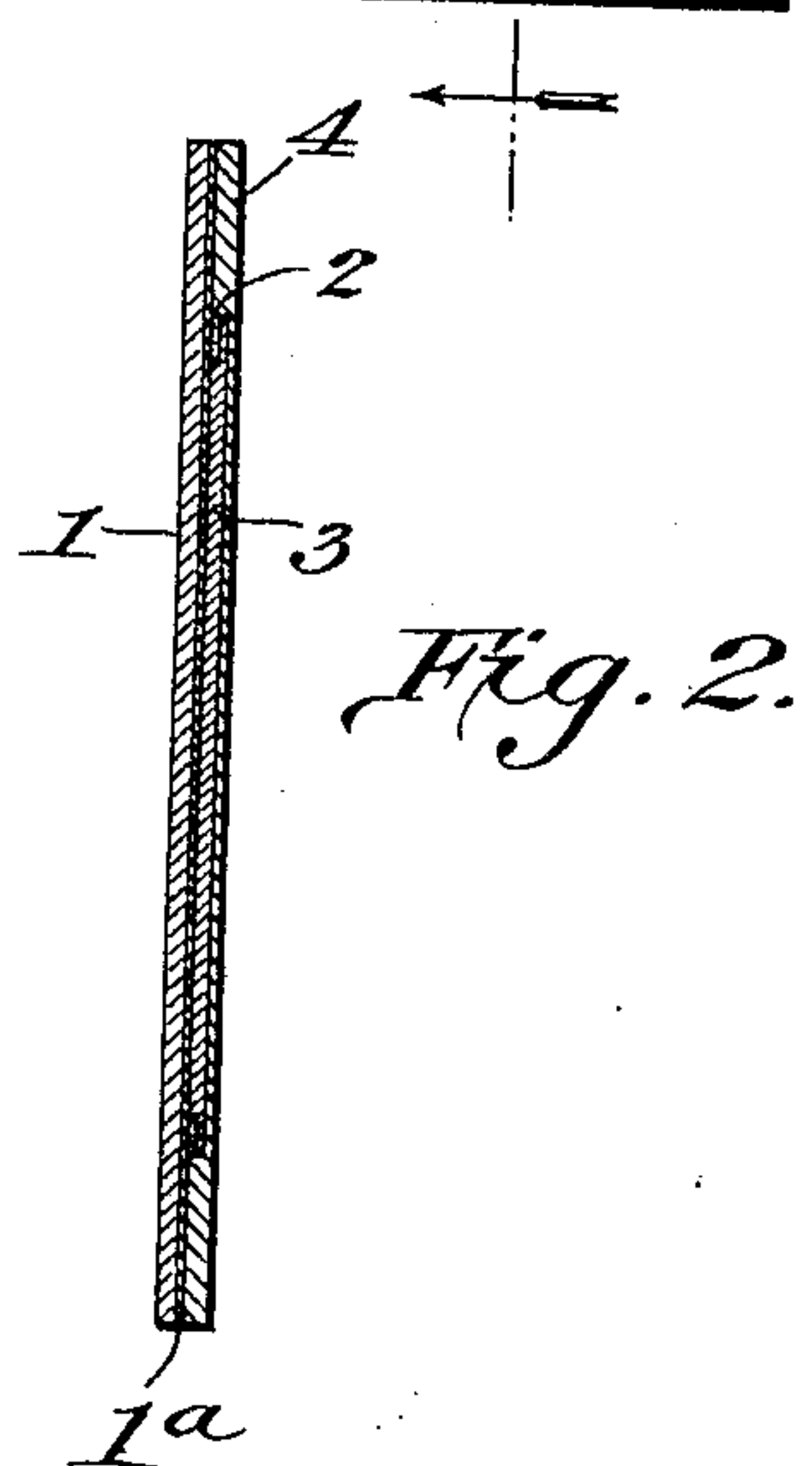
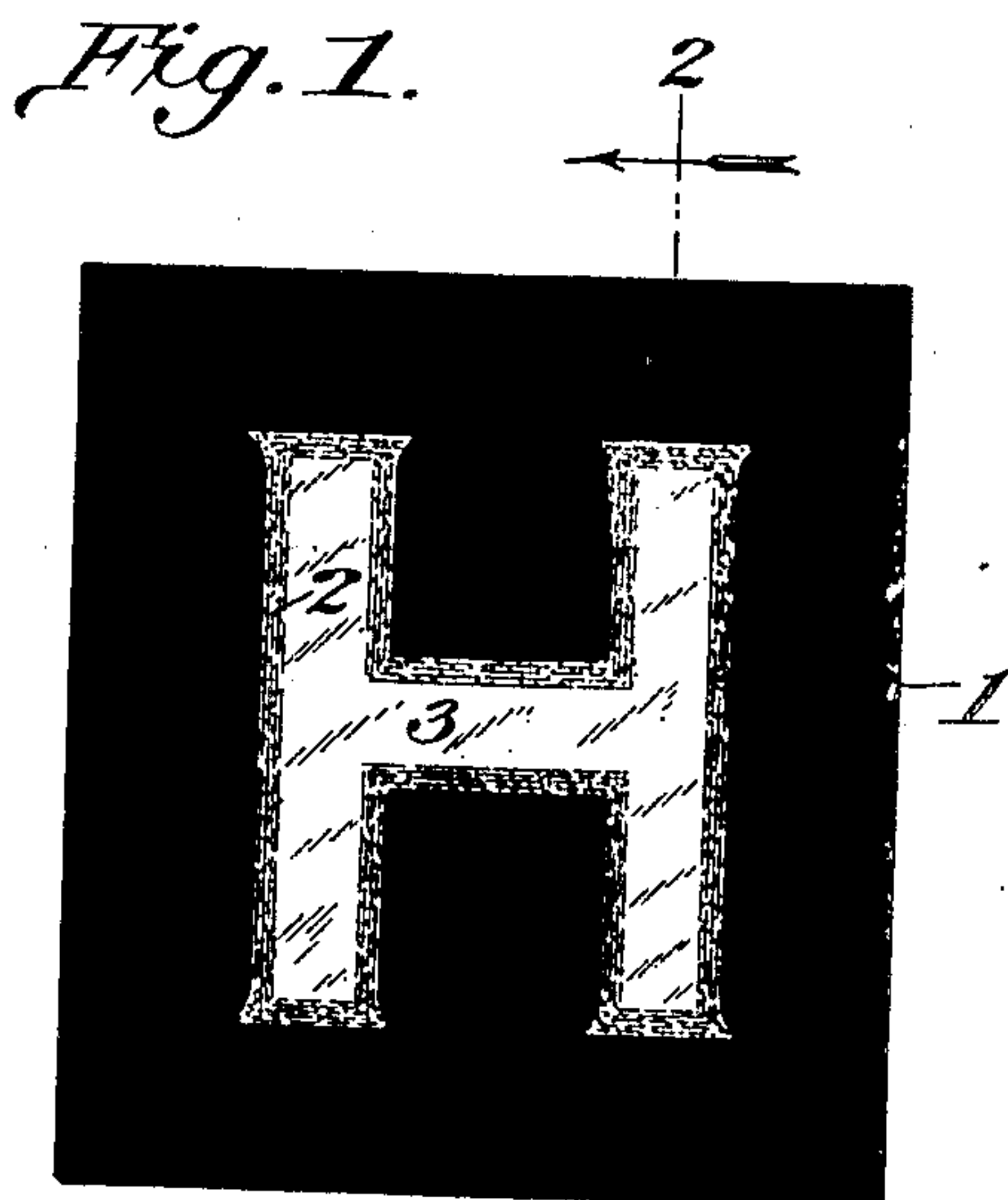
No. 885,426.

PATENTED APR. 21, 1908.

G. BITTLE.
SIGN.

SPECIMENS.

APPLICATION FILED SEPT. 16, 1907.



Witnesses:
Chas. B. Kaiser
Leo O. Donnell

Inventor,
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UNITED STATES PATENT OFFICE.

GEORGE BITTLE, OF SHARONVILLE, OHIO.

SIGN.

No. 885,426.

Specification of Letters Patent.

Patented April 21, 1908.

Application filed September 16, 1907. Serial No. 393,225. (Specimens.)

To all whom it may concern:

Be it known that I, GEORGE BITTLE, a citizen of the United States, residing at Sharonville, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Signs, of which the following is a specification.

My invention relates to imitation glass display signs.

The features of the invention are more fully set forth in the description of the accompanying drawing, forming a part of this specification, in which:—

Figure 1 is a plan view of my improvement. Fig. 2 is a section on sectional line 2, Fig. 1.

The present invention is an improvement in some particulars over the sign forming the subject-matter of my prior invention, for which application for Letters Patent of the United States were filed January 2, 1907, Serial No. 350,544.

(I file with this application a sample of a letter.)

In my former invention the character was burnished directly upon the rear of a transparent celluloid sheet and the back-ground was painted directly upon the back of the character.

In my present invention the character is embedded in, or between, two sheets of transparent celluloid, or its equivalent, and the back-ground is preferably sheet metal, say zinc, properly painted to make a desirable display back-ground for the metal foil character.

By my present improvement the character is protected on both sides, and the celluloid bed is reinforced so as to avoid all danger of breakage. The transparent character holder which I preferably employ is a solution of celluloid consisting of from one-half ounce of pyroxylin, six fluid ounces of alcohol, four fluid ounces of ether sulfate, and one quarter of an ounce of phenol.

In applying the invention I follow this process. I take a thin sheet of zinc 1, or any other material adapted to this purpose, and paint and varnish it to form any desired display back-ground. I then apply to the var-

nished surface a bonding solution; such as gelatin and water in order that the celluloid solution will adhere to the back-ground. A film of the celluloid solution is then allowed to flow upon this prepared plate and to dry or solidify into a thin transparent sheet 1^a; the metal foil character, of whatever sort, is then laid upon the celluloid face and a coat of varnish applied; the character preferably has the plain section 3, having a marginal border 2 of a different color or high burnish to increase the ornamental effect and the distinctness. I then apply another coating of the bonding solution of gelatin and water over the varnished face, and lastly, I flow another film of the celluloid solution over the varnished character and allow it to solidify into a thin transparent sheet 4. The character is thus securely embedded between two sheets of this transparent celluloid base which adheres to the sheet metal back-ground.

The completed sign has the luster and the general effect of the finest glass sign, but it is not brittle or fragile, and the character is nowhere exposed. The sign so made is extremely cheap, strong and durable, easily made, and of great beauty and distinctness.

I employ the term celluloid in its generic sense, as there are a number of substitutes having the same physical characteristics, that is, a brilliant, transparent organic compound, not fragile or brittle, to which the metal foil character can be securely attached adhesively.

Having described my invention, I claim:—

1. A sign consisting of a thin sheet of metal colored and varnished, a thin sheet of transparent celluloid material adhesively secured to the back-ground, and a character formed of metal foil embedded within the celluloid, substantially as described.

2. A metal foil character secured between two transparent sheets of celluloid material, substantially as described.

3. A metal foil character secured between two transparent sheets of celluloid material, and a colored display back-ground for the character, substantially as described.

4. A sign consisting of a colored and var-

nished back-ground, a thin sheet of transparent celluloid adhesively secured thereto, a metal foil character adhesively secured to said sheet, and a second sheet of transparent
5 celluloid material adhesively secured over the first sheet and character, substantially as described.

In testimony whereof, I have hereunto set my hand.

GEORGE BITTLE.

Witnesses:

OLIVER B. KAISER,
LEO O'DONNELL.