

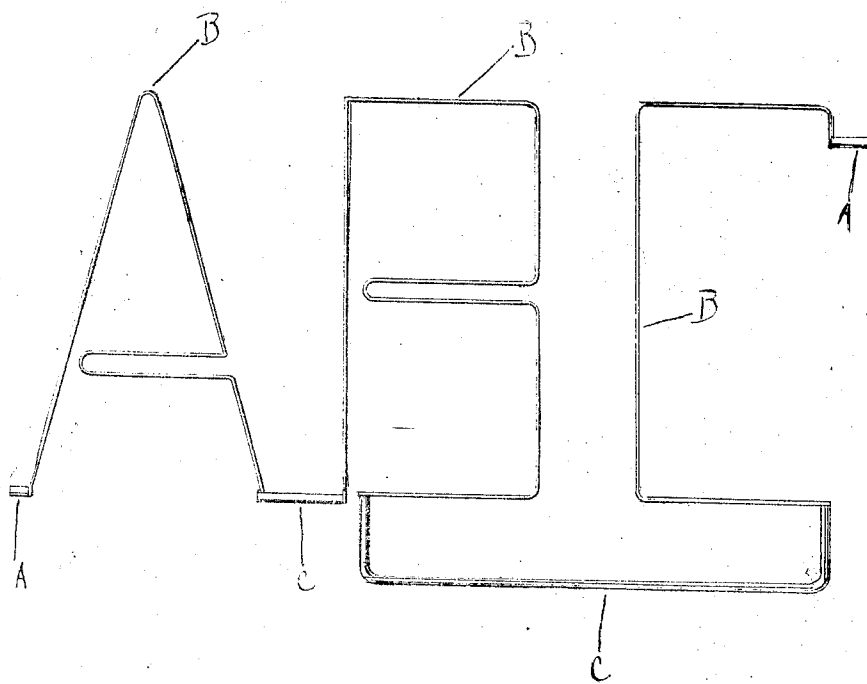
Nov. 15, 1927.

H. MOCK

1,648,957

ELECTRIC SIGN

Filed Oct. 7, 1922



Hugo Mock INVENTOR

UNITED STATES PATENT OFFICE.

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ELECTRIC SIGN.

Application filed October 7, 1922. Serial No. 592,958.

This invention relates to improvements in electric signs and has for its object the provision of a novel, simple and economical electric sign.

5 In the drawing, A represents the terminals for the electric current. B is a wire of "chromel" or other resistant metallic electrical conductor which is non-oxidizable and which becomes luminiferous when a current is passed therethrough. C are thickened portions of metal placed in the circuit which separate the letters but are non-luminous when a current is passed so that there is a proper line of division between the individual letters when the sign is lighted. The division C can be made of the same metal as the main conducting wire B if desired, but having a larger cross-section than B should not become luminiferous when a current is passed.

To increase or improve the quality of the light, the wire B may be coated with some oxide such as magnesium oxide of powerful photogenetic properties.

25 I have illustrated herein a sign showing only three letters of the alphabet but it is obvious that a letter of any form can be made by doubling or curving the wire as shown in the letters "A" and "B" and by the use of divisions C which are shaped to conform to the shape of the particular letters

used in the sign. The wire B can be made of any resistant metal which does not oxidize or melt and which is luminiferous when a current is passed therethrough.

A proper metal for the purpose in an alloy of nickel and chromium known as "chromel" metal.

Having thus described my invention, what I claim is:—

1. An electric sign having the individual letters formed of a continuous single strand of non-oxidizable resistance metal exposed to the air, the individual letters being separated by thick portions of non-luminous metal forming a part of the electric circuit so that the individual letters are illumined and the metallic connectors joining said letters are unillumined, all of the letters of said sign being in a single plane.

2. An electric sign having letters formed of a continuous single strand of non-oxidizable resistance metal exposed to the air, no part of said strand contacting with any other part in said sign, the individual letters being separated by non-luminous metal forming part of the electric circuit, all of said letters being in a single plane.

In testimony whereof I hereunto affix my signature.

HUGO MOCK.