

No. 843,235.

PATENTED FEB. 5, 1907.

E. RICHARDSON.
ENAMELED SIGN.
APPLICATION FILED OCT. 29, 1906.

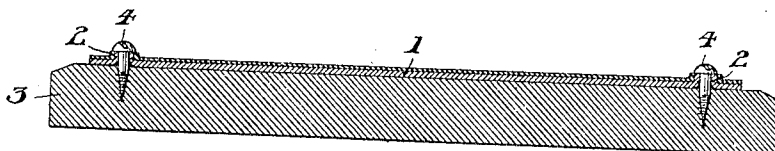
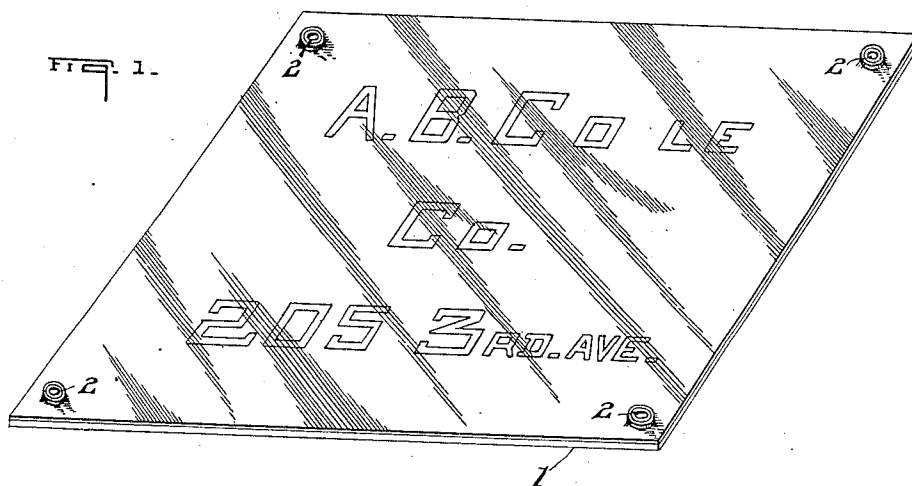


FIG. 2.

WITNESSES:

J. P. Hoffman,
Alva Stanick.

INVENTOR

Ernest Richardson

by G. W. Barber

ATTORNEY

UNITED STATES PATENT OFFICE.

ERNEST RICHARDSON, OF BEAVER FALLS, PENNSYLVANIA.

ENAMELED SIGN.

No. 843,235.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed October 29, 1906. Serial No. 340,960.

To all whom it may concern:

Be it known that I, ERNEST RICHARDSON, a citizen of the United States, residing at Beaver Falls, in the county of Beaver and State of Pennsylvania, have invented or discovered new and useful Improvements in Enameled Signs, of which the following is a specification.

My invention relates to enameled sheets; and its object is to provide means whereby enameled metal sheets—for example, signs—may be secured to their supports by nails or screws or the like without cracking the enamel.

Referring to the drawings, which form a part of this specification, Figure 1 is a perspective of one form of an enameled sign as it appears before being secured to a backing, and Fig. 2 is a section through the sign and its backing on the line of one of the screws which secure them together.

On the drawings, 1 represents a metal sheet having several bosses 2, struck up by punches, which perforate the metal sheet and draw out the metal around the holes, so as to form flanged holes. After the bosses have been formed the sheet 1 is coated with enamel. The enameled sheet may then be secured to the backing 3 by means of screws or nails. I have shown on Fig. 2 a screw 4, which has been passed down through the hollow boss 2 into the wooden backing 3, the sheet lying between the backing and the heads of the screws and the flanges of the openings extending toward the said heads.

By my invention the fastening devices, as screws or nails, do not bear on the enamel of the body of the sheet as they do in the usual

enameled signs. It is found that when the screw-heads engage the enamel on the body of metal sheets the enamel is cracked or broken, so that moisture may have access to the metal sheet, which causes rapid corrosion thereof. By striking up the bosses and then enameling the metal sheets I provide a support for the screw or nail heads which is above the level of the enameled face of the body of the sheet and is very stiff or unyielding, as the strain is edgewise of the metal instead of transversely thereof, as in the common enameled sheets and signs. The enamel will therefor remain uninjured and the life of the sheets will be much prolonged.

By my invention I am enabled to do away with the unsightly washers, which are often used to keep the screw-head from engaging with the enamel.

My invention is applicable to other uses than signs.

I claim—

1. The combination of an enameled sheet of metal, and hollow flanged bosses thereon, extending above the enameled face of the body of the sheet.

2. The combination of an enameled sheet of metal, hollow flanged bosses thereon, extending above the enameled face of the body of the sheet, a backing, and headed fastenings extending through the hollow bosses into the backing.

Signed at Beaver Falls, Pennsylvania, this 26th day of October, 1906.

ERNEST RICHARDSON.

Witnesses:

LOUIS INGRAM,
M. N. HURD.