

UNITED STATES PATENT OFFICE.

FRANK C. GOODALL, OF RICHMOND, ENGLAND.

MARINE CEMENT.

SPECIFICATION forming part of Letters Patent No. 452,182, dated May 12, 1891.

Application filed December 15, 1890. Serial No. 374,783. (Specimens.) Patented in England May 1, 1890, No. 6,711; in France November 27, 1890, No. 209,841; in Belgium November 29, 1890, No. 92,925; in Italy December 17, 1890, LVI, 234, and in Canada February 9, 1891, No. 35,971.

To all whom it may concern:

Be it known that I, FRANK CLEMENT GOODALL, a citizen of England, residing at 12 Parkfield, Richmond, in the county of Surrey, England, have invented an Improved Marine Cement, (for which I have obtained Letters Patent in the following countries: in England May 1, 1890, No. 6,711; in France November 27, 1890, No. 209,841; in Belgium November 29, 1890, No. 92,925; in Italy December 17, 1890, LVI, 234, and in Canada February 9, 1891, No. 35,971,) of which the following is a specification.

This invention relates to an improved marine cement or water-proof coating for metals and other purpose, which is composed of asphaltum, ground cork, and boiled oil or other siccative oil. For this purpose I employ a mixture of forty parts, by weight, of hard asphaltum; forty parts, by weight, of liquid asphaltum; eight parts, by weight, of boiled oil, and twelve parts, by weight, of finely-ground cork.

The hard and liquid asphaltum are melted in a boiler or other suitable vessel. The boiled oil and cork are then added and intimately mixed, whereupon the cement is ready for application. It is then applied with a trowel or other suitable tool and always placed next to the true surface of the iron or steel.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I am aware that it has already been proposed to use a compound consisting of asphalt and ground cork for covering roads and other surfaces, and I do not therefore claim such a compound, generally; but

I claim—

A marine cement consisting of a combination of asphaltum, ground cork, and boiled or other siccative oil, which latter has the effect of making the asphaltum elastic and to reduce the tendency to melt.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 1st day of December, A. D. 1890.

FRANK C. GOODALL.

Witnesses:

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