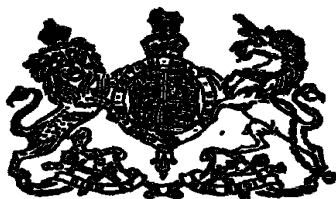


N° 9509



A. D. 1903

Date of Application, 27th Apr., 1903—Accepted, 8th Oct., 1903

COMPLETE SPECIFICATION.

Improved Method of Securing Wooden Flooring Boards to a
Concrete or Stone Foundation.

I, GUSTAV LILIENTHAL, of No. 15, Karlsbad, Berlin W, in the Empire of Germany, Architect, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement.—

5 The present invention relates to a process for securing wooden boards to stone like bases.

According to this process the stone like base, consisting for instance of concrete, is covered with a cement material in which a number of cords are embedded at intervals and on which the boards, previously roughened or grooved for the
10 purpose on their under surface, are laid.

The boards find a support on the cords and these are flattened gradually, under the influence of a load applied to the boards, as the cement mass shrinks on setting.

15 By means of embedded cords, on laying down the wooden boards any inequalities in the surface of the stone-like base caused by granulation or the like are compensated for.

The manner in which the present process is carried into effect is illustrated in the accompanying drawing:—

Figs. 1 and 2 being longitudinal and cross sections, and:—

20 Fig. 3 a plan.

A layer *b* of cement material is spread over the base or floor *a*, for example of concrete, the cement material consisting for instance of a thin paste of chloride of magnesium of 20—30° Baumé and carbonate of magnesium. Cords *c* of 1 to 2 mm thickness are embedded in this cement mass in such a manner that
25 the boards *e*, provided with saw cuts *d* or otherwise roughened or grooved, on their under surface rest with both ends (Fig. 1), on the cords, until the soft cement has set.

The boards after being laid are loaded with stones or the like for about 24 hours, whereby the cords, are flattened gradually as the cement mass shrinks on setting.

30 Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

35 A process for securing wooden boards on to stone-like bases in which the boards are roughened or grooved on the lower surface, and cemented to the stone-like base by a cement material in which cords are embedded at intervals.

Dated this 27 day of April 1903.

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Agents for the Applicant.

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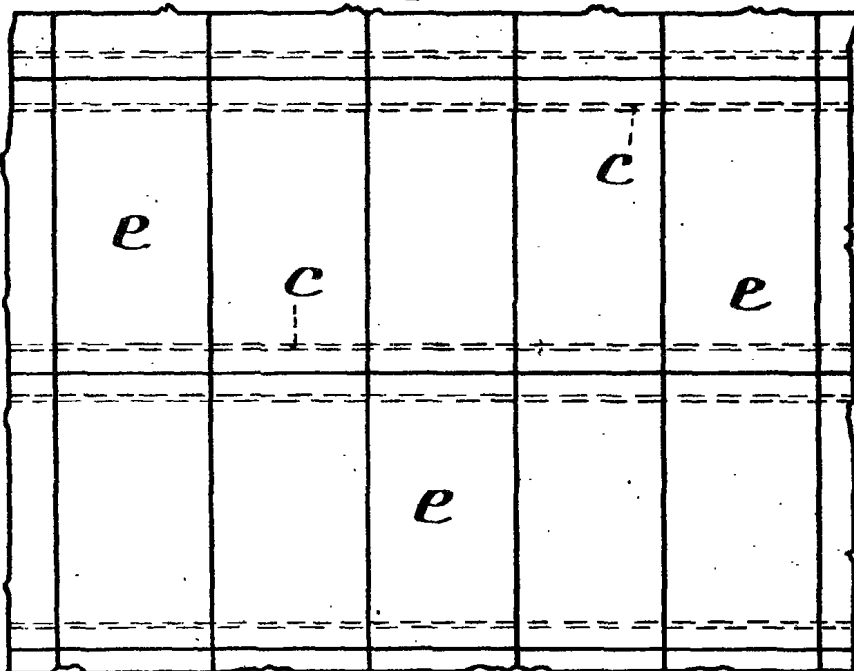
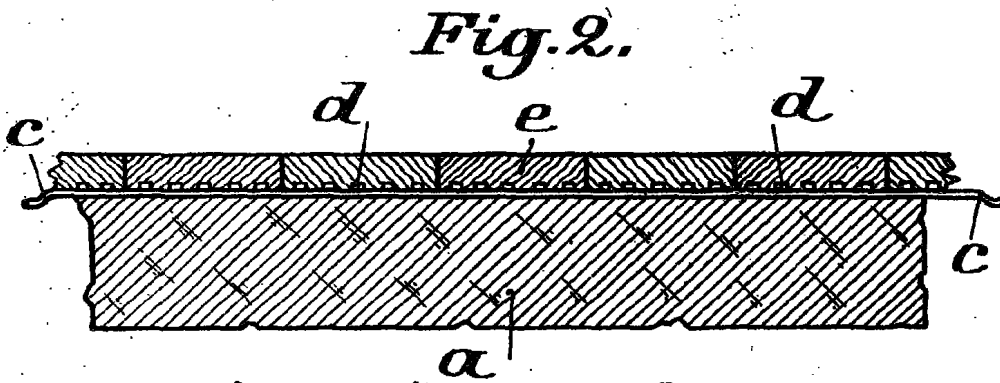
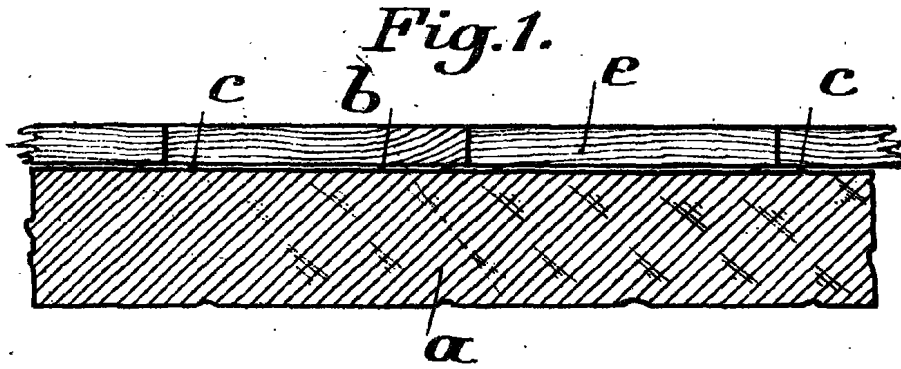


Fig. 3.

[This Drawing is a reproduction of the Original on a reduced scale.]

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