April 5, 1927.

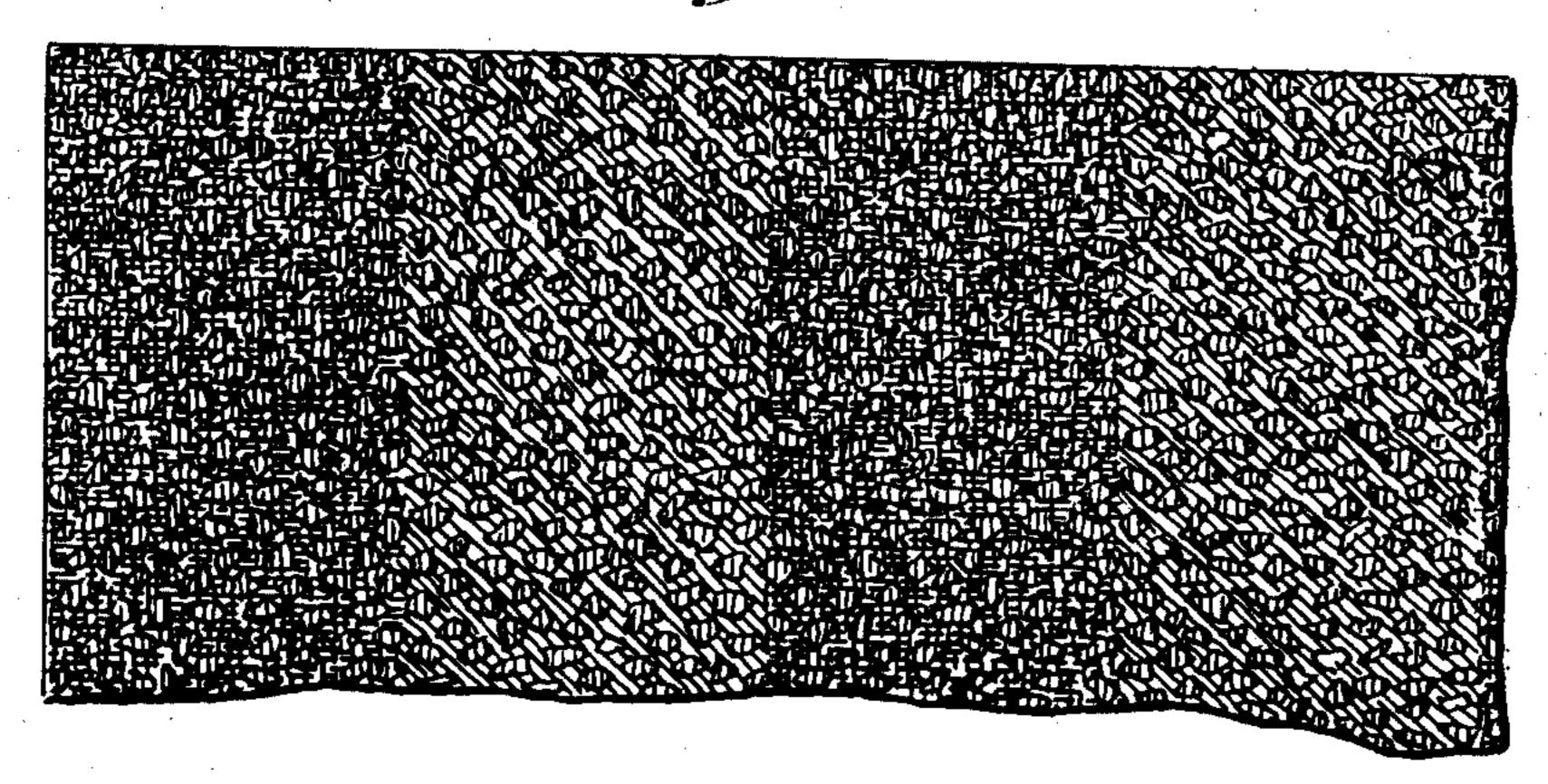
1,623,189

L. KIRSCHBRAUN ET AL

WATERPROOF PRODUCT

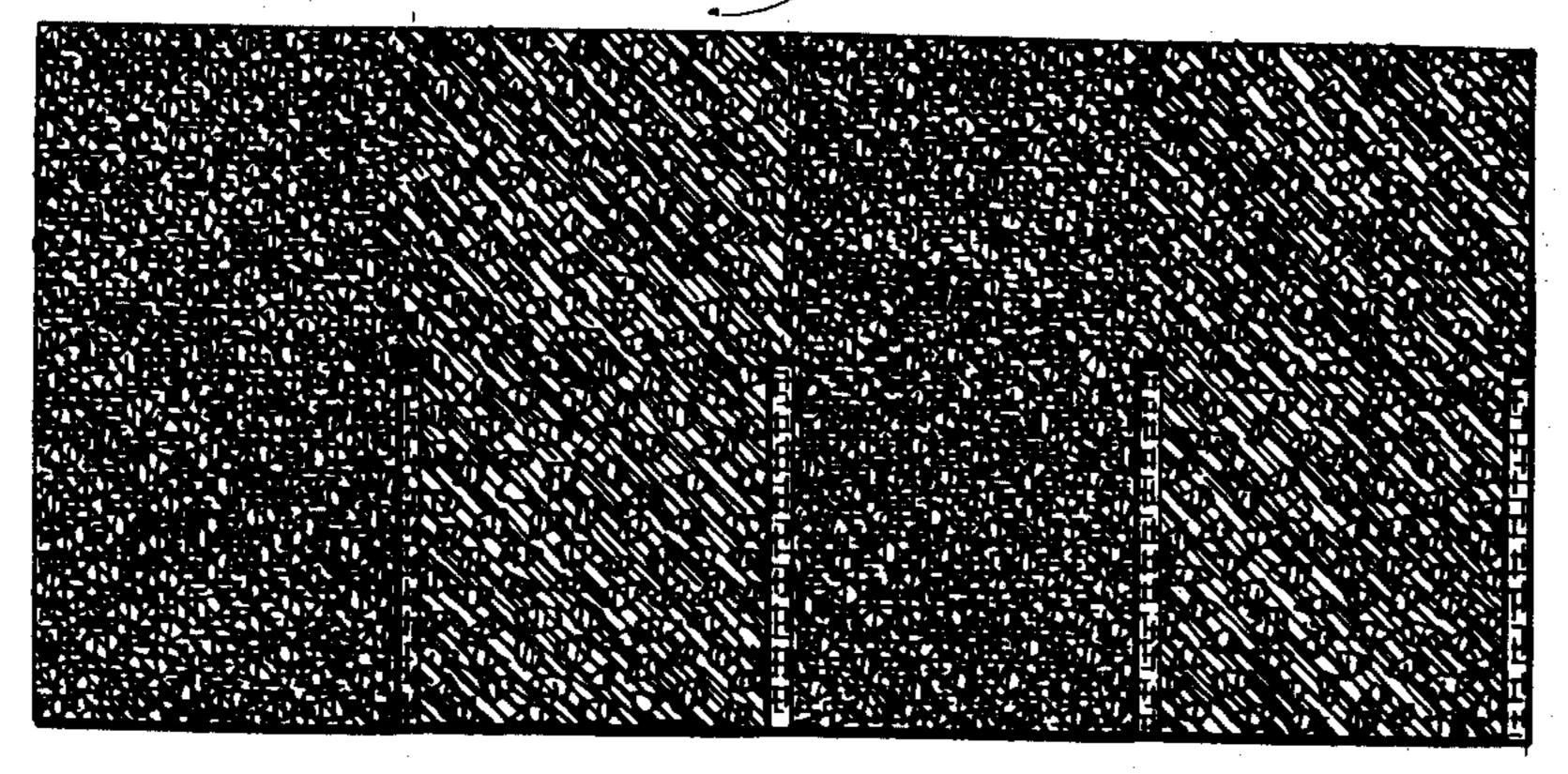
Original Filed Dec. 18, 1920

Fig. 1.



Flig. 2.

Mig.3.



Kitross, Samann Inventors, Lester Kirschbraum. By Walter H. Cady. Thanh & Belknap Allie.

UNITED STATES PATENT OFFICE.

LESTER KIRSCHBRAUN, OF CHICAGO, ILLINOIS, AND WALTER H. CADY, OF BOSTON, MASSACHUSETTS.

WATERPROOF PRODUCT.

Application filed December 18, 1920, Scrial No. 431,744. Renewed March 18, 1925.

This invention relates to improvements in with water, and in which the binder is in ter Kirschbraun.

The present invention is more particularly directed to ornamental covering such as wall boards, floor coverings, roofings and exterior in finishes.

The object of the present invention is to produce a product from ordinary readymade granular surface roofing or the like, in which the granular surfacing while more 15 or less exposed is nevertheless so ornamented as to provide symmetrical designs to the finished product. In its more specific aspects, the invention may be for example used to produce that type of roofing known 20 commercially as strip shingles.

type of product.

obtain a more attractive finish. Moreover, lowed to set. such a product will not accumulate in wear. An invention may be carried out in which 95 detritus or foreign matter.

ried out as follows:

pitchy binder as for example stearine pitch, having a linseed oil base may be used. the residue of wax tailings produced from If desired, the finished sheet made in the

waterproof products and process of making the internal phase and the water in the exsame, and is an improvement on an original ternal phase. To this may, if desired, be application. No. 339,210, heretofore filed added a pigment or dye soluble in the binder 5 jointly by Chester E. Rahr and the said Les- of a predetermined color and in quantity 60 sufficient to give a distinct color to the binder.

> An invention may be carried out of this general character in which the binder may be rubber or a rubber composition or rub- 65 ber substitutes.

> One emulsion of the character above described may be made in which the wax tailings, for example, may be colored green so as to produce in effect a green emulsified 70 matrix.

Another emulsion is then made in exactly the same way, except that the binder may be buff color.

The two emulsified matrices may then be 75 Fig. 1 is a face view of a portion of the applied to the granular surfacing of ordisheet formed by the process herein disclosed. nary ready-made roofing, the latter consist-Fig. 2 is a sectional view taken through the ing, for example, of an asphalt saturated product shown in Fig. 1. Fig. 3 is a face felt, an asphalt coating to which is supplied 25 view of a strip shingle formed with this a granular facing of say red slate. To this 80 granular surfacing may be applied in alter-In the present invention, the upper edges nate stripes, or in any symmetrically arof the mineral surfacing should preferably ranged designs, the green and buff colored be exposed by the removal of the portions matrices. The result will be, for example, of the waterproof binder which, as stated, to produce alternate green and buff colored 85 is applied in symmetrical designs to such stripes extending lengthwise of the ordinary granular surface. Where the product is roofing sheet and completely filling the inused as a floor covering, it is desirable that terstices between the granular particles the interstices between the mineral surfac- thereof. The uppermost part of the emuling be completely filled with the waterproof sion so applied may be wiped or ground off 90 adhesive material, and, if desired, the upper or otherwise removed so as to expose the top surface may be then ground down so as to surfaces of the granular facing. The water produce a smooth surface to walk on and may then be dried out and the matrix al-

instead of producing the designs by means The process of our invention may be car- of an emulsion, any suitable waterproof paints, as for example, a green waterproof We may first make an emulsion of a paint and a buff colored waterproof paint,

the distillation of petroleum, wax tailings manner above described may be severed with superheated steam or drying oils as for transversely at intervals so as to form example linseed oil hardened with various shingle strips similar in size and shape to gums or resins. We then make a paste or the well-known shingle strips of commerce. 105 suspension of water and an emulsifying In the event that it is desired to form these agent, as for example, colloidal clay, and to shingle strips, it will probably be desirable, this is gradually added preferably in heated for example, to have the green stripes say liquid condition the pitchy binder. This about 10 inches wide, alternated with a buff forms an emulsion which can be thinned colored strip about a half an inch wide. 110

5 such cutouts.

waterproof binders of any desired colors

may be used.

.

We claim as our invention:

A strip shingle consisting of a fibrous base and an adhesive coating and a granular

This will simulate the cutout of the well- surfacing, a waterproof matrix of predeterknown shingle strip of commerce without mined color filling the interstices and the weakening the sheet and preventing the curl-ing of the edges sometimes resulting from sign to simulate shingles, and a waterproof matrix of a different color than the first, We have used green and buff colors as likewise filling such interstices between the merely illustrative, it being understood that granular particles but in relatively narrow lines separating the designs formed by the 20 first matrix.

> LESTER KIRSCHBRAUN. WALTER H. CADY.