S. H. GOLDBERG.

PREPARED ROOFING.

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1,123,727. Patented Jan. 5, 1915.

Fig. 1.

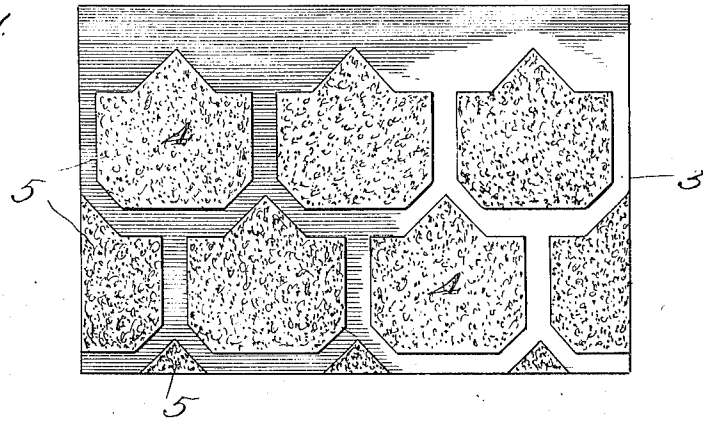


Fig. 2.

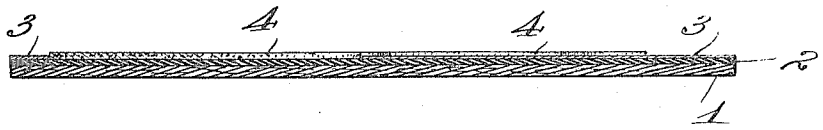
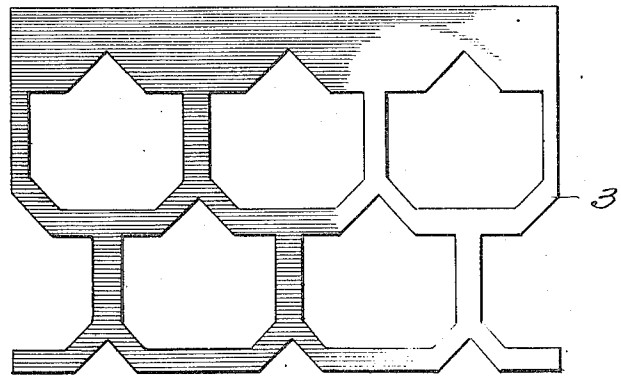


Fig. 3.



WITNESSES

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PREPARED ROOFING.

1,123,727. Specification of Letters Patent. Patented Jan. 5, 1915.

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To all whom it may concern:

Be it known that I, SOLOMON H. GOLDBERG, a citizen of the United States, residing in the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Prepared Roofing, of which the following is a specification.

This invention relates to improvements in prepared roofing and has for its salient object to provide a roofing comprising essentially a flexible foundation, a granular facing, an intermediate binder coat and a skeleton form upon the upper surface of the binder to provide an improved roofing of the character referred to in which the granular facing is applied in symmetrically arranged designs of any desired contour, such designs being spaced apart by a skeleton form forming part of the roofing; to provide an improved process of making a roofing of the character referred to which consists in applying a binder to a flexible foundation, securing a skeleton form to said binder and applying a granular facing to said binder, said facing adhering to the spaces between the outlines of said form, but not to the outlines themselves, and in general to provide an improved product and process of the character referred to.

This invention relates to the matters hereinafter described and more particularly pointed out in the appended claims.

In the drawings—Figure 1 is a top plan view of my improved roofing; Fig. 2 is a transverse sectional view of the same; Fig. 3 is a view of the skeleton form taken by itself.

Referring to the drawings: 1 designates the flexible foundation, which may be of felt or analogous material. 2 the binder, which may be a bituminous or asphaltic composition. 3, the skeleton form which may be made of paper, wood pulp, light wood or other similar flexible material.

4, designates as a whole the granular facing, which may be of crushed gravel, crushed rock, crushed stone, crushed tile, minute pebbles or other similar granular substance, which is arranged upon the face of the roofing in symmetrically arranged designs, 5, 5, which in the present instance are shown as taking the form of shingles, so that the roofing will represent a shingled roof.

I am aware that heretofore many attempts have been made to make prepared roofings and in some of them attempts have been made to get a more or less design effect to the face of the roofing. No roofing however, as far as I am aware has ever been made in which the facing has been applied in the novel way of the present invention.

The important feature of the invention consists in applying a skeleton form to the binder, while the latter is hot so that the form will adhere rigidly in place and then applying over the form a granular facing of the character referred to, which granular facing fills up the space between the outlines formed, but does not stick or adhere to the outline of the form itself; the result is that the upper surface of the roofing has a plurality of symmetrically arranged granular designs, each of which is surrounded by the corresponding outline of the skeleton form. The form may be made of the same color as the binder beneath as for example, if the binder is of black bituminous character the skeleton may be colored the same or the skeleton form may be colored as desired or it may be made more or less transparent so that the binder will show through from beneath after the facing is applied.

The process may be carried out as follows: A web of felt or other flexible material is fed through a kettle or vat of hot bituminous or asphaltic binder so that the felt becomes saturated with the binder, and thereby water-proof; the saturated felt may then be fed through a second kettle or vat containing a hot bituminous or asphaltic composition so as to apply a binder to the upper surface of the flexible foundation. After the binder is applied the skeleton form is fed to the face of the binder and applied to the surface of the same in such a way that the form will lie flat and evenly over the upper face of the binder. The form will undoubtedly be more or less embedded in the hot face of the binder and is thus permanently secured thereto when the binder cools, and sets. Immediately after the form is applied to the binder and while the latter is still hot, the partly prepared roofing may be fed beneath suitable hopper or other feeding devices, by which the granular facing may be fed to the upper face of the roofing in desired and regulated quantities. The granular facing of course adheres to the hot binder where it can come in

contact with the latter, *i. e.*, between the outline of the skeleton form. The outline of the form being smooth affords no surface to which the granular facing can adhere, and accordingly the latter is applied only in symmetrical designs spaced between the outlines of the form.

The invention is not limited to the details of construction shown except as set forth in the appended claim.

I claim as my invention:

As a new article of manufacture, prepared sheet roofing consisting of a backing sheet of pliable absorbent material having its upper surface coated and impregnated with bituminous or analogous cementitious, waterproof, sticky substance, an open-work pattern of material having non-adhesive upper surface, adhesively applied to the upper surface of said backing sheet, and a surfacing of comminuted material adhesively applied to, and covering the areas of the surface of the backing sheet exposed through said open-work pattern, but leaving the latter uncoated by said comminuted material.

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Witnesses:
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