

S. G. WRIGHT.
PREPARED ROOFING.
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1,144,313.

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Fig. 1.

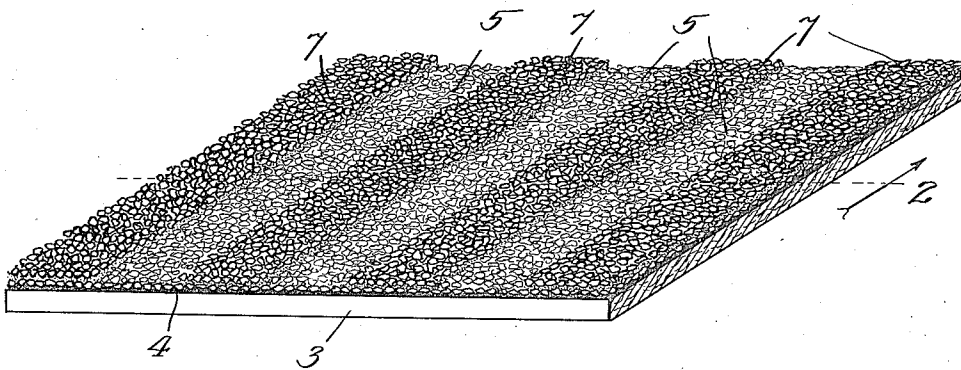
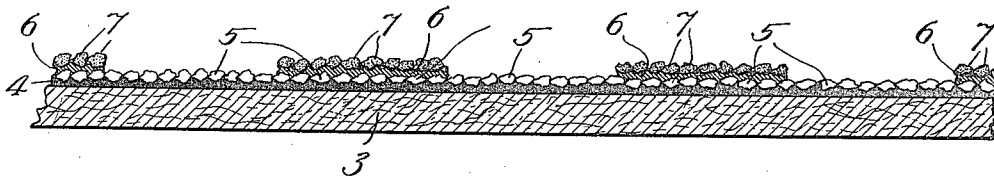


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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PREPARED ROOFING.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, STEPHEN G. WRIGHT, a citizen of the United States, residing at Oak Park, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Prepared Roofing, of which the following is a specification.

My invention relates more particularly to improvement in prepared roofing of the variety involving the use of a sheet of felt or other fibrous material forming the body of the roofing, saturated and coated with bitumen, coal-tar, or any other suitable organic or mineral wax and surfaced with any suitable grit, such as mica, slate, gravel, colored stone or baked earthy material; and my object is to provide such sheets of roofing with a permanent ornamental surface presenting a predetermined design in two or more colors or shades of color.

Referring to the accompanying drawing Figure 1 is a perspective view of a piece of prepared roofing in accordance with my invention; and Fig. 2, a sectional view of the same, the section being taken at line 2 in Fig. 1 and viewed in the direction of the arrow.

In the manufacture of my improved roofing, I employ preferably a sheet 3 of felt, or other fibrous material and treat it to a hot bath of bitumen, coal-tar or any other suitable organic or mineral wax, as is common practice, to impregnate the fibrous sheet and produce on the surface thereof a coating of such substance, as represented at 4. I then spread upon the coating 4 while it is hot, a layer of particles 5, and partially embed the same therein, in any suitable manner, as by passing the sheet thus coated between rollers. The particles 5 may be of any desirable grit-material, such as mica, slate, gravel, colored stone or baked earthy material, reduced by crushing and screening, when necessary, to preferably about 10 to 12 mesh, though the size of the particles may vary as desired from that stated. The particles 5 become partially embedded in the coating 4 and are sufficiently close together to cause the exposed surface of the roofing to present the color of the particles 5 as a substantially unbroken surface as to color.

After the particles 5 have been applied to the sheet 3, as stated, I apply to the grit coating formed of the particles 5, in conformance with a predetermined design, as for example the stripe design illustrated in

the drawing, and in any desirable manner, a fluid substance which forms a coating 6, extending over certain portions only of the area of the roofing, to carry out the design, and embeds the upper surfaces of those of the grit particles 5 over which it extends, as illustrated in Fig. 2. The fluid coating 6 should be of such character as to produce the embedment of the upper surfaces of the grit particles 5, as stated, and possess such adhesive properties as to firmly adhere to the particles 5, but should not contain any liquid which will dissolve, or tend to dissolve, or become combined with, the coating 4, in the sense that the fluid coating 6 will amalgamate, or become homogeneous, therewith. The fluid coating which may be applied to the grit coating 5 by hand, as through the medium of a brush, or by means of any printing, or other suitable machine or device, is preferably composed of alcohol, either grain or wood alcohol, or some suitable derivative of alcohol such as are in common use in the manufacture of lacquers and shellacs, and in which shellac-gum or any suitable material in sufficient quantity to give the requisite body to the fluid substance has been dissolved.

After the coating 6 has been applied to the grit coating 5, as described, in conformance with the design to be produced, grit particles represented at 7 and similar to the particles 5, but of a contrasting color or colors, are applied to the coating 6 in any suitable manner, as by sifting them thereon, before the coating 6 has hardened, and pressed into the latter to partially embed them therein, thus forming a roofing wherein the design thereon is produced by grits of different colors or shades. If desired, the fluid coating 6 may have mixed therewith a coloring matter of the same, or substantially the same color as that of the particles 7 which are applied to the surface of this coating and are partially embedded therein, in order that the coloring effects will not be impaired in the event of portions of the coating 6 becoming exposed to view.

By using a fluid coating 6, as described, the waterproof coating 4 on the felt is in no way altered or changed, or in any way impaired by application of the coating 6, as distinguished from the use of a fluid containing a solvent of the coating 4, which, upon application to the coating 4, would soften the latter, causing the coating 6 to

become homogeneous therewith, and by such softening or dissolving tending to impair the efficiency of the coating 4.

What I claim as new and desire to secure by Letters Patent, is—

1. As a new article of manufacture, roofing composed of a sheet of material having a waterproof coating thereon, the surface of which is covered with particles of grit partially embedded therein, a coating of adhesive substance extending over certain portions only of said grit coating in conformity with the design to be produced and embedding the upper surfaces of those 15 grit particles over which said last-named coating extends, and particles of grit of different shade or color than said first-named particles of grit, partially embedded in the upper surface of said last-named coating, said last-named coating adhering to the grit particles over which it extends, and being non-homogeneous with said first-named coating. 20

2. As a new article of manufacture, roofing composed of a sheet of material having a waterproof coating thereon, the surface of which is covered with particles of grit partially embedded therein, a coating of adhesive substance existing over certain portions only of said grit coating in conformity 25 30

with the design to be produced and embedding the upper surfaces of those grit particles over which said last-named coating extends, and particles of grit of different shade or color than said first-named particles of grit, partially embedded in the upper surface of said last-named coating, said last-named coating being colored to correspond substantially with said last-named particles and firmly adhering to the 35 40 grit particles over which it extends, and being non-homogeneous with said first-named coating.

3. As a new article of manufacture, a roofing composed of a sheet of fibrous material having one side coated with a waterproof plastic organic compound, a layer of colored grit embedded therein, a second coating of plastic material covering certain portions of the colored grit according to predetermined design, and a layer of different colored grit applied to said second coating, the first and second coatings being effectively separated by said first layer of grit said second coating being non-homogeneous with said first-named coating. 45 50 55

STEPHEN G. WRIGHT.

In witness of—

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