F. C. LOWREY.

PREPARED ROOFING.

APPLICATION FILED SEPT. 28, 1914.

1,134,086. Patented Mar. 30, 1915.

Fig. 1.

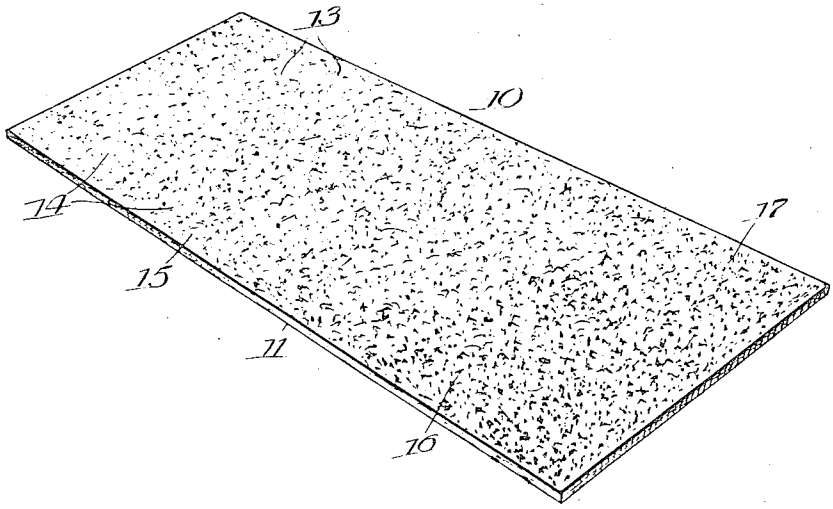


Fig. 2.

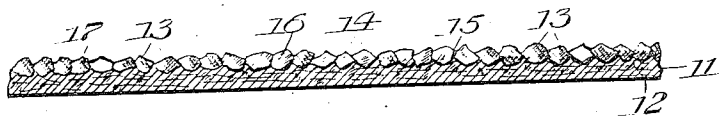
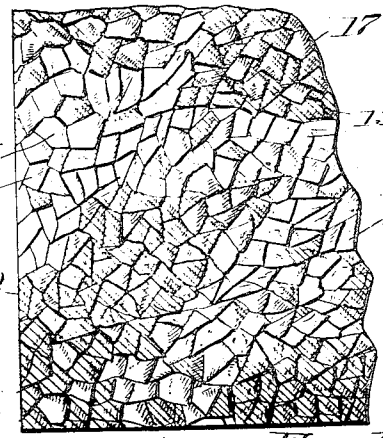


Fig. 3.



Witnesses
O. M. Wermich
E. M. Klatcher

Inventor
Frederick C. Lowrey.
by Gillson & Gillson
Attys.

UNITED STATES PATENT OFFICE.

FREDERICK C. LOWREY, OF RIVER FOREST, ILLINOIS.

PREPARED ROOFING.

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To all whom it may concern:

Be it known that I, FREDERICK C. LOWREY, a citizen of the United States, and resident of River Forest, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Prepared Roofing, of which the following is a specification, and which are illustrated in the accompanying drawings, forming a part thereof.

The invention relates to prepared roofing and more particularly to a flexible roofing sheet having a protective and ornamental surface layer consisting of particles of a crushed mineral.

The object of the invention is to provide a prepared roofing which shall have a surface layer of an improved protective character and ornamental appearance.

In the accompanying drawings, Figure 1 is a perspective view showing a prepared roofing sheet embodying the features of improvement provided by the invention, the sheet being cut into the form of a shingle. Fig. 2 is an enlarged detail sectional view of the shingle illustrated in Fig. 1, and Fig. 3 is a face view of a small part of the shingle, greatly enlarged.

The prepared roofing provided by the invention is produced in the form of sheets which may, if desired, be cut into shingles, as 10, Fig. 1. In such cases the shingle will usually comprise a flexible body layer 11. This layer may be produced from any desirable material but will generally be composed of felt saturated with a water proof asphalt material. The surface layer 15 is composed of mineral particles 13, 14. These are retained by rendering the body layer 11 adhesive upon one side, as by thoroughly coating the same with an adhesive waterproof material 12 to which the particles 13, 14, are applied while the material 12, applied in a heated condition, is still soft.

An ornamental appearance is obtained for the surface layer 15 if the different particles, as 13, 14, from which the layer is composed, are unlike in color and an ununiform mixture of these particles is employed. I have found that a desirable mottled appearance having relatively light areas 16 and dark areas 17, (Fig. 3) is obtained by using a crushed serpentine rock for the surfacing material, such rock comprising white or colorless particles 13, green particles 14 and the mixture of the particles being ununiform as to the number of particles of each kind, the lighter areas 16 containing a larger portion of the white or colorless particles 13 than are found in the darker areas 17. When surfaced with this material, the roofing is of a green color but of mottled appearance.

In event the natural crushed serpentine rock obtained as a by product in the mining and manufacture of asbestos be used for the surface layer 15, the white or colorless particles 13 are of a harder texture than the green particles 14. If now an asphalt material containing oil be used for the adhesive waterproof material 12, the appearance of the roofing material is improved by a greater absorption of oil from the adhesive waterproof material 12 in the green particles 14 than occurs in the white or colorless particles 13. By this means the green color of the particles 14 is improved and a greater contrast in the appearance of the two sets of particles 13, 14 is obtained. If desired the number of white or colorless particles 13 in proportion to the number of green particles 14 may be increased by permitting some of the particles, as 18, of the short fiber asbestos to remain in the mixture of particles. Preferably the particles 13 and 14 are applied in sufficient quantity and so fitted together as to completely cover the adhesive coating 12 by which they are retained.

I claim as my invention,—

1. A prepared roofing sheet comprising a flexible waterproof body layer coated upon one side with an adhesive material containing oil, and a protective and ornamental surface layer consisting of crushed serpentine rock the particles of which are differently affected as to their appearance by the oil contained in said adhesive material.

2. A prepared roofing sheet comprising a flexible waterproof backing coated upon one side with an adhesive material containing oil, and a protective and ornamental surface layer on the coated side of said backing, said layer consisting of crushed serpentine rock characterized by comprising an ununiform mixture of particles which are differently affected as to their appearance by the oil contained in said adhesive coating.

3. A prepared roofing sheet comprising a flexible waterproof body layer coated upon one side with an adhesive material containing oil and a protective and ornamental surface layer consisting of a mixture of mineral

particles which are differently affected with reference to their appearance by the oil contained in the said adhesive coating.

4. A prepared roofing sheet comprising a flexible waterproof body layer coated upon one side with an adhesive material containing oil and a protective and ornamental surface layer consisting of an ununiform mixture of mineral particles which are differently affected with reference to their appearance by the oil contained in the said adhesive coating.

FREDERICK C. LOWREY.

Witnesses:
A. H. REED,
GEO. KLAUS.