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# UNITED STATES PATENT OFFICE

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## CONSTRUCTIONAL MATERIAL

Albert C. Fischer, Chicago, Ill., assignor to The Philip Carey Manufacturing Company, a corporation of Ohio

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7 Claims. (Cl. 18—48)

This invention relates to constructional material, such as, roofing material, insulating material, tapes, shingles, packing and the like.

The object of my present invention is to provide such constructional material with an adhesive surface which is normally sticky or tacky to the touch and which lastingly maintains this mastic condition whereby the material may be packed and stored for long periods of time without losing its tackiness and may be transported to its place of installation and used in such tacky condition without further treatment.

A further object of my invention resides in the application of this normally lastingly adhesive, sticky to the touch, to sheets or strips of carrier material, hereinafter called vehicles, so that when rolled into package form or placed face to face in contact with a similar sheet for packing, storing and transportation, they may be unrolled or pulled apart readily without tearing or damaging, and can be installed in tacky condition; in this instance the tacky surface permits the facile separation of the contacting vehicle surfaces. The vehicle thus provided with a lasting adhesive, mastic surface is particularly adapted to act as a packing for various types of installation, not only because of the waterproofing quality of the mastic but also because of its pronounced and lasting quality of adhesiveness and further because of its plasticity.

A further object of my invention resides in providing a constructional material which is lastingly adhesive and normally sticky to the touch, composed of fiber incorporated in a mixture of dense waterproofing mastic and slow-drying adhesive of bituminous or other origin. The slow drying adhesive is preferably incorporated when the dense mastic is in a relatively chilled state, for instance, 125° F. After the fiber has been intimately commingled within the mixture, the mass is then pressed into sheets or other desired form having normally tacky and adhesive surfaces.

The slow-drying adhesive herein referred to comprises a slow-drying, tacky mastic of bituminous, vegetable or animal nature, or a combination of two or more, which approximates the following specifications; or may be more or less fluid;

(1) The consistency at 77° F. should be below 7.0.

(2) The susceptibility factor should be as low as possible, preferably under 25.

(3) The ductility at 77° F. should be as high as possible and preferably over 25 centimeters.

(4) Fusing point by K and S method should be between 80° and 100° F.

(5) It should appear tacky and adhesive at normal temperature, and retain this property as long as possible on exposure to air.

It will be understood that my invention contemplates constructional material, the adhesiveness of which serves to hold said material in place in distinction to other materials which involve the use of pitch, or other material, mopped on at the time of assembling the material. This is especially true in the application of the invention to roofing sheets, for the purpose of holding the sheets of roofing material in place. It will be understood that after two sheets of building material according to the present invention have been separated, the adhesive surface of one sheet will be placed in contact with the non-adhesive surface of another sheet. The adhesive or mastic will cause a union with non-adhesive surfaces to which it is applied, which union may be made very excellent by means of rolling and which will improve in the course of time.

It will also be understood that if it should be found that the adhesive surface of a sheet should become dried out, a solvent such as toluol, benzol, kerosene, or cotton oil, may be used to bring the sheet back into adhesive state.

This case is a division of application Serial No. 213,187, filed August 15, 1927, and issued as Patent No. 1,863,104 on June 14, 1932.

I claim:

1. Constructional material comprising a sheet molded from a mixture of fiber, dense waterproofing mastic and a slow-drying substance lastingly adhesive and sticky to the touch.

2. The method of forming constructional material which comprises mixing fiber, dense waterproofing mastic, and a slow-drying substance which is lastingly adhesive and sticky to the touch, the slow-drying adhesive being incorporated when the dense waterproofing mastic is in a relatively chilled state, and molding the mixture in sheet form.

3. The method of making constructional material which comprises mixing together fiber, dense, waterproofing mastic and a slow-drying lasting adhesive, sticky to the touch, the slow-drying adhesive being incorporated when the dense mastic is at about 125° F. and molding the mixture in sheet form.

4. A lastingly adhesive, mastic packing, comprising a molded sheet formed from a mixture of fibrous material, a relatively dense waterproofing material and a slow-drying adhesive, lastingly adhesive and sticky to the touch.

5. A packing comprising a molded sheet formed

from a mixture of fibrous material and a slow drying adhesive of bituminous nature which is lastingly adhesive and sticky to the touch.

6. Constructional material comprising a sheet molded from a mixture of filling material, dense waterproofing mastic and a slow-drying substance lastingly adhesive and sticky to the touch.

7. The method of making constructional material which comprises mixing together filling material, dense waterproofing mastic and a slow-drying lasting adhesive, sticky to the touch, and molding the mixture in sheet form.

ALBERT C. FISCHER.