

UNITED STATES PATENT OFFICE.

GEORGE B. STRYKER AND FRANK A. MANTEL, OF MEMPHIS, TENNESSEE, ASSIGNORS
TO THE STRYKER KOT-N-WOOD PRODUCTS COMPANY, OF MEMPHIS, TENNESSEE, A
CORPORATION OF TENNESSEE.

PAVING BLOCK AND BUILDING MATERIAL.

No Drawing.

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To all whom it may concern:

Be it known that we, GEORGE B. STRYKER and FRANK A. MANTEL, citizens of the United States, residing at Memphis, in the county of Shelby and State of Tennessee, have invented certain new and useful Improvements in Paving Blocks and Building Materials, of which the following is a specification.

The present invention relates to artificial paving blocks and building material, and method of producing the same, and consists in the steps of procedure, and combinations and arrangements of substances hereinafter described and particularly set forth in the accompanying claims.

The invention has for its purpose to provide a novel form of paving block or building material which can be manufactured at small cost and which in use may be substituted for paving blocks and building material of the natural or artificial kind now employed.

The invention is disclosed by way of illustration in the following:

	Percentage by volume.
A vegetable fiber, such as ground cotton stalk.....	70 to 80
A filler, e. g., ashes.....	10 to 30
A binder, such as pitch or asphalt, or oil blown asphalt.....	10 to 30

In combining the materials the cotton stalk or other vegetable fiber is ground to a comparatively fine condition and then thoroughly mixed with the ashes. The mixing operation may be performed by manual labor or with the usual type of machines employed for mixing paving or filling materials. The pitch or asphalt is heated to the proper consistency, i. e., anywhere from 200 degrees F. to 400 degrees F., and at this temperature the commingled vegetable fiber and ashes are added and the whole inti-

mately mixed to insure even distribution of the solid materials throughout the mass. The mixture while still in a molten condition is poured into the desired molds and then subjected to a pressing operation.

From the foregoing it will be clearly seen that the material thus composed will inherently have all the desirable qualities of compactness, water proof and durability; and it will be further noted that the paving block or building material thus made is particularly adapted to withstand the disadvantages usually attendant upon materials of this character when subjected to varying temperature changes.

It is obvious that those skilled in the art may depart from the elements herein recited, or in the arrangement of compounding the same, without departing from the spirit of the invention, and therefore we do not wish to be limited to such features except as may be required by the claims.

Having thus described our invention, what is claimed as new and desired to be protected by U. S. Letters Patent, is:

1. A paving block or building material comprising in parts by volume vegetable fiber 70 to 80 per cent, ashes 10 to 20 per cent, and a bituminous binder 10 to 20 per cent substantially as set forth.

2. A method of producing an article of the class described, consisting in mixing comminuted vegetable fibre in volumular parts of 70 to 80 per cent, with comminuted ashes 10 to 20 per cent, and heating 10 to 20 per cent pitch to between 200° to 400° F., and intimately mixing the comminuted ingredients with the pitch at this temperature.

In testimony whereof we affix our signatures.

GEORGE B. STRYKER.
FRANK A. MANTEL.