

(No Model.)

W. H. JENKINS.
ARTIFICIAL PAVEMENT.

No. 374,124.

Patented Nov. 29, 1887.

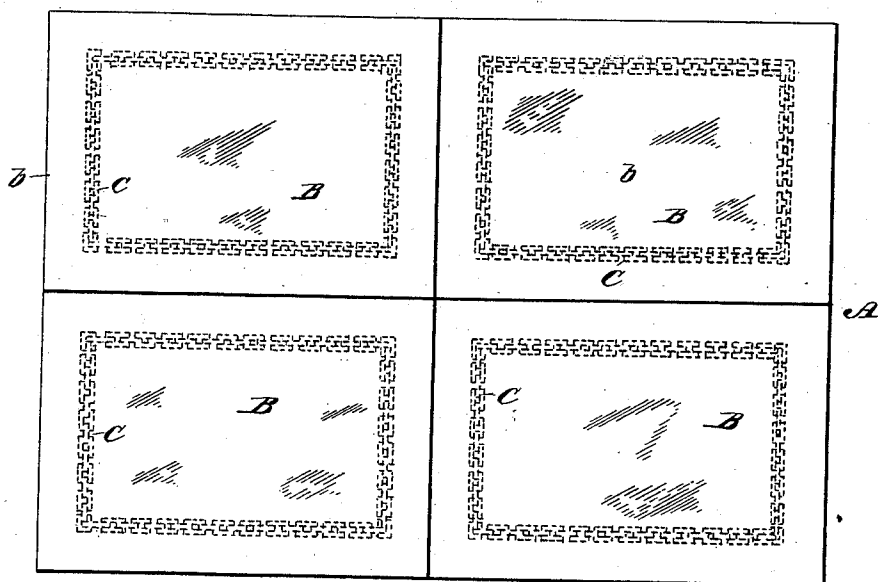


Fig. 1.

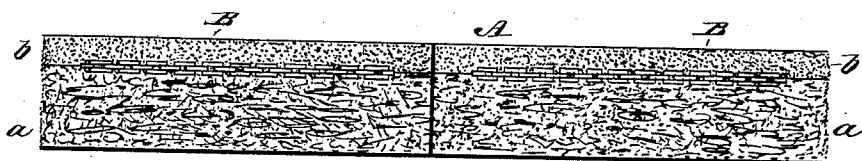


Fig. 2.

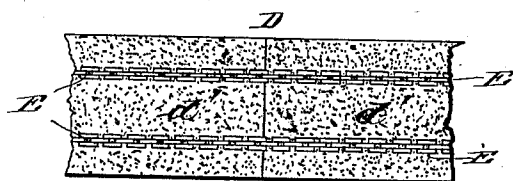


Fig. 3.

WITNESSES:

Geo. Spear
Wm. V. Carlton

INVENTOR

Wm. H. Jenkins
per *Joshua Ousey*
ATTORNEY

UNITED STATES PATENT OFFICE.

WARNER H. JENKINS, OF PHILADELPHIA, PENNSYLVANIA.

ARTIFICIAL PAVEMENT.

SPECIFICATION forming part of Letters Patent No. 374,124, dated November 29, 1887.

Application filed May 18, 1887. Serial No. 238,597. (No model.)

To all whom it may concern:

Be it known that I, WARNER H. JENKINS, a citizen of the United States, residing at the city and county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Artificial Pavements, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, of which—

Figure 1 is a plan view of a portion of my improved pavement. Fig. 2 is a vertical longitudinal section thereof. Fig. 3 shows a section of curbing with one part of my invention applied thereto.

The object of this invention is to provide a separate block artificial pavement which shall be unaffected by the action of frost or changes of temperature.

The invention consists in the combination, with the layers of cement composing an artificial pavement, of a chain interposed between said layers near the outer edges of the pavement, or the blocks of which the same is made up, whereby the layers are held firmly together and the cracking of the blocks (as was the case with the iron rods or frames heretofore employed) by changes of temperature is greatly obviated; also, in the combination, with the separate blocks or curbs, of an iron chain or chains extending along the interior of the same from block to block, whereby the latter are firmly bound together, as hereinafter described.

Referring to the annexed drawings, A marks the pavement, which is composed of two layers of cement, *a b*, the lower layer, *a*, being of the usual coarse cementic material and the upper or top layer, *b*, of a fine, compact, and durable material. When the pavement is in a plastic state, it is cut into regular sections or blocks B, between which there is interposed a filling of crystal sand, or sand and powdered tar, or other suitable material that will prevent adhering or reuniting of the blocks, each block thus be-

ing independent and unaffected by the contraction or expansion of the other.

In order to bind the layers *a b* firmly together I interpose between the same, near the outer edges of each block, an iron chain, C, into the links of which enters the cement of the respective layers. When the pavement hardens, the chain thus embedded between the layers thereof firmly unites the latter, and it (said chain), cannot work loose or contract and expand, and thus crack the pavement, as do the iron rods or frames heretofore employed for the purpose of binding the layers.

As a means to bind together the sections or blocks *d'* of the curbing D, I extend along the interior thereof from block to block one or more metal chains, E, into whose links the cement enters and firmly binds the sections or blocks. The individual links of the chain or chains thus being filled with the cement, they cannot contract or expand sufficiently to crack or split the pavement, which is the case with the usual binding-bars heretofore used. I also sometimes likewise extend the chains through the several blocks of the pavement.

Having thus described my invention, I claim as new and wish to secure by Letters Patent—

1. In combination with an artificial cement pavement, a binding-chain embedded in the several blocks of which the pavement is composed, substantially as and for the purpose set forth.

2. In combination with an artificial cement pavement or curbing, a chain embedded therein so as to connect and bind together the several sections of which the pavement or curbing is composed, substantially as and for the purpose described.

In testimony whereof I have hereunto affixed my signature this 13th day of May, A. D. 1887.

WARNER H. JENKINS.

Witnesses:

JNO. NOLAN,
ANDREW ZANE, Jr.