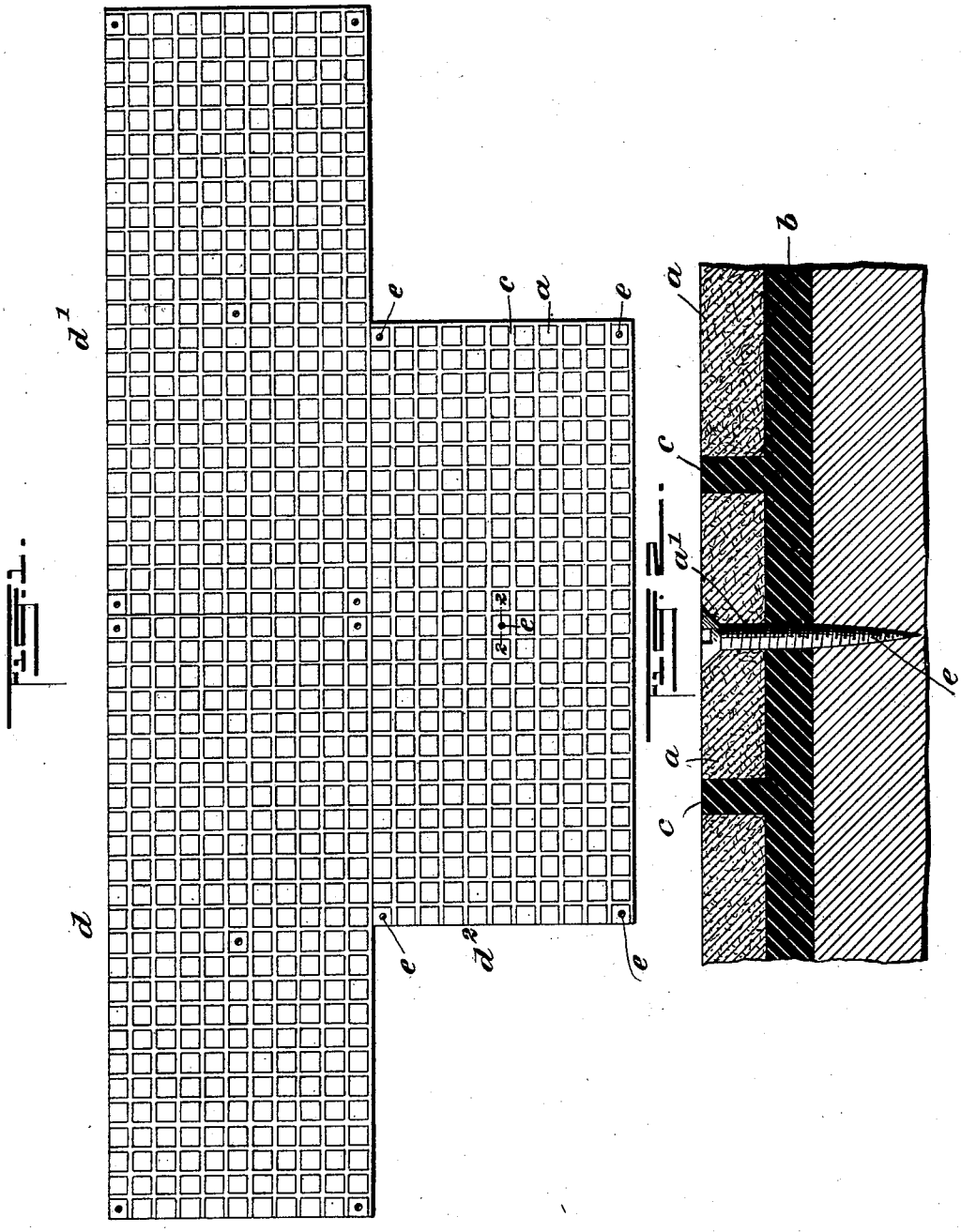
No. 722,520. PATENTED MAR. 10, 1903.

C. P. LAWSHE.

TILE FLOORING.

APPLICATION FILED SEPT. 22, 1902.

NO MODEL.



WITNESSES:

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TILE FLOORING.

SPECIFICATION forming part of Letters Patent No. 722,520, dated March 10, 1903.

Application filed September 22, 1902. Serial No. 124,400. (No model.)

To all whom it may concern:

Be it known that I, CHARLES P. LAWSHE, a citizen of the United States, and a resident of Trenton, in the county of Mercer and State of New Jersey, have invented a new and Improved Tile Flooring, of which the following is a full, clear, and exact description.

The object of this invention is to provide a tile flooring which will be noiseless and elastic and which may be placed in position with comparative ease and readily removed when desired.

To this end the invention consists principally in a tile flooring comprising a tile of any form or material and a bed for the tile formed of flexible resilient material, this material lying under the tile and having webs lying between the tiles and the tiles being secured to the webbing by cement or by any other means desired. This bed I prefer to construct in a number of sections of such size that they may be conveniently handled, and when the flooring is to be constructed the tiles already placed and secured in the sections of the bedding are laid with the bedding on the floor. The tile flooring may be secured in place on the floor by various means; but the preferred construction is to construct certain of the tiles with holes therein and to pass fastening devices through these holes. The flooring thus constructed not only is noiseless and elastic, but by constructing the bedding in sections the tile may be applied to places and in connections to which tiling has heretofore not been applicable.

This specification is an exact description of one example of my invention, while the claims define the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both views.

Figure 1 is a plan view showing the tiling, and Fig. 2 is an enlarged section on the line 2 2 of Fig. 1.

a indicates the tiles, and I desire it distinctly understood that these may be formed of any desired material and of any desired form without affecting the essential things in my invention.

b indicates the bed, which should be formed of some flexible and resilient material. Soft rubber is particularly applicable to this purpose.

c indicates webs, which rise from the bed and are arranged to extend between the tiles in the manner indicated in the drawings. The tiles are here shown to be square in form, and the webs *c* therefore form rectangular figures on the bed. It is obvious, however, that these webs may be made in any other form desired, so as to suit the form of the tile. The tiles are adapted to be fastened on the bed between the webs by cement or by pressing them into the bed. The exact manner of securing the tiles is not material.

The flooring thus constructed is rendered resilient or yielding to the tread and is comparatively noiseless. Further, the flexible resilient bed yields to the strain imposed on the tiles and does not crack or crumble as the cement ordinarily used.

Fig. 1 illustrates three bed-sections, which I will designate d, d', and d^2. These sections may be made of any size desired, and they are formed separately, and each carries its proper number of tiles independently. In applying the flooring the proper number and size of sections will be provided, and these will be laid on the floor so as properly to cover the same. The preferred manner of securing the flooring in place is to form in certain of the tiles openings a', (see Fig. 2,) and through these openings a fastening *e* of any suitable form is passed. This fastening is preferably a screw, which is driven through the bed *b* and into the flooring below. In Fig. 1 these screws *e* are shown at each corner and in the center of each of the sections d, d', and d^2.

By forming the flooring in sections and providing means for readily securing them in place the services of a skilled mechanic are not necessary in placing the floor in position. This enables me to apply the tile flooring in places to which tile has heretofore not been applicable. For example, a person desiring to furnish his residence with the improved tile flooring may simply send the dimensions of the room to the manufacturer of the tiling and the proper number of sections of proper form may be sent to the customer, who has only to fasten the screws *e* in place, and the customer is thus provided easily with

a tile flooring far superior to that laid in cement by the employment of the usual skilled labor.

Various changes in the form, proportions, and minor details of my invention may be resorted to at will without departing from the spirit and scope thereof. Hence I consider myself entitled to all such variations as may lie within the intent of my claims.

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

1. A floor-covering, comprising a bed of flexible resilient material, and a number of tiles of hard unyielding material permanently fastened in the bed, said bed being capable of being freely flexed and moved from place to place without dislocating the said tile.

2. A floor-covering, comprising a bed of flexible resilient material, and a number of tiles of hard unyielding material permanently fastened in the bed, said bed being capable of being freely flexed and moved from place to place without dislocating the said tile, and certain of said tile having openings formed therein to facilitate fastening the floor-covering in place.

3. A floor-covering, comprising a bed of flexible resilient material, and a number of tiles of hard unyielding material permanently fastened in the bed, said bed being capable of being freely flexed and moved from place to place without dislocating the said tile, and said floor-covering having openings extending through it to permit fastening devices to be passed through the floor-covering to secure it in place.

4. A floor-covering, comprising a bed formed of soft rubber, and a number of hard unyielding tile embedded into and permanently secured to the bed, said bed being capable of flexing freely without dislocating the tile.

5. A floor-covering, comprising a bed formed of soft rubber, and a number of hard unyielding tile embedded into and permanently secured to the bed, said bed being capable of flexing freely without dislocating the tile, and said floor-covering having openings extending through it to permit the passage of fastening devices to secure the floor-covering in place.

6. A floor-covering, comprising a bed formed of soft rubber, and a number of hard unyielding tile embedded into and permanently secured to the bed, said bed being capable of flexing freely without dislocating the tile, and certain of said tile having openings formed therein and the bed having openings matching with said openings in the tile, whereby to permit fastening devices to be extended through the floor-covering to hold it in place.

7. A floor-covering, comprising a bed of flexible resilient material, and a number of tiles of hard unyielding material permanently fastened in the bed, said bed being capable of being freely flexed and moved from place to place without dislocating the said tile, certain of said tile having openings formed therein and the said bed having openings respectively registering with the openings in the tile to permit fastening devices to be passed through the floor-covering to secure it in place.

8. A floor-covering made up of a number of separate sections secured in place side by side to form a continuous covering, each section comprising a bed of flexible resilient material, and a number of tile embedded and permanently secured into the bed, said bed being capable of flexing freely without dislocating the tiles.

9. A floor-covering made up of a number of separate sections secured in place side by side to form a continuous covering, each section comprising a bed of flexible resilient material, and a number of tile embedded and permanently secured into the bed, said bed being capable of flexing freely without dislocating the tiles, certain of the said tile having openings extending therethrough and the said bed having openings registering with the openings in the tiles, and fastening devices extended through the tile and bed and secured into the floor to hold the floor-covering in place.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES P. LAWSHE.

Witnesses:
E. R. WALKER,
STELLA C. ROBSON.