

H. C. MOORE.

TILE.

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928,321.

Patented July 20, 1909.

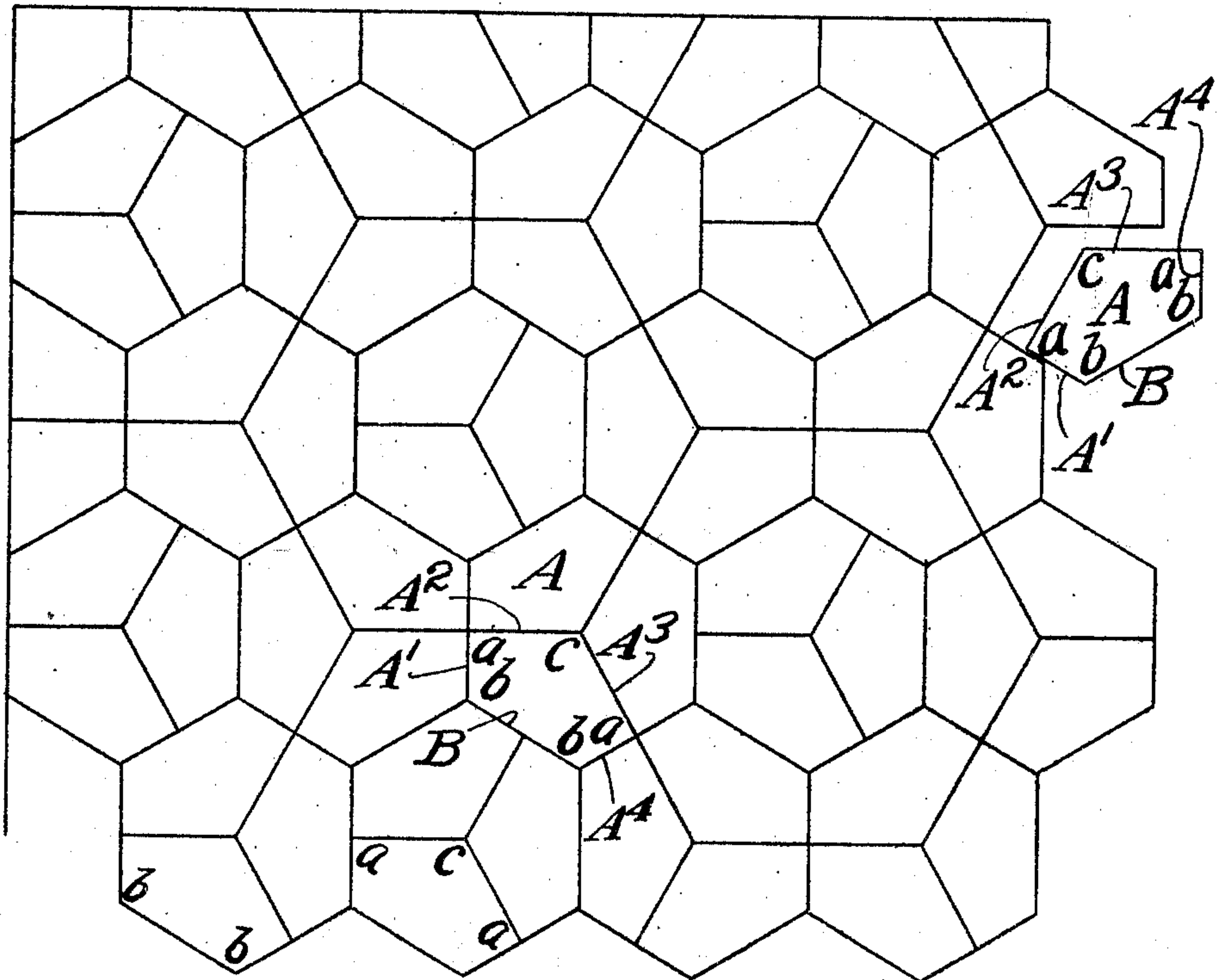


FIG. 1.

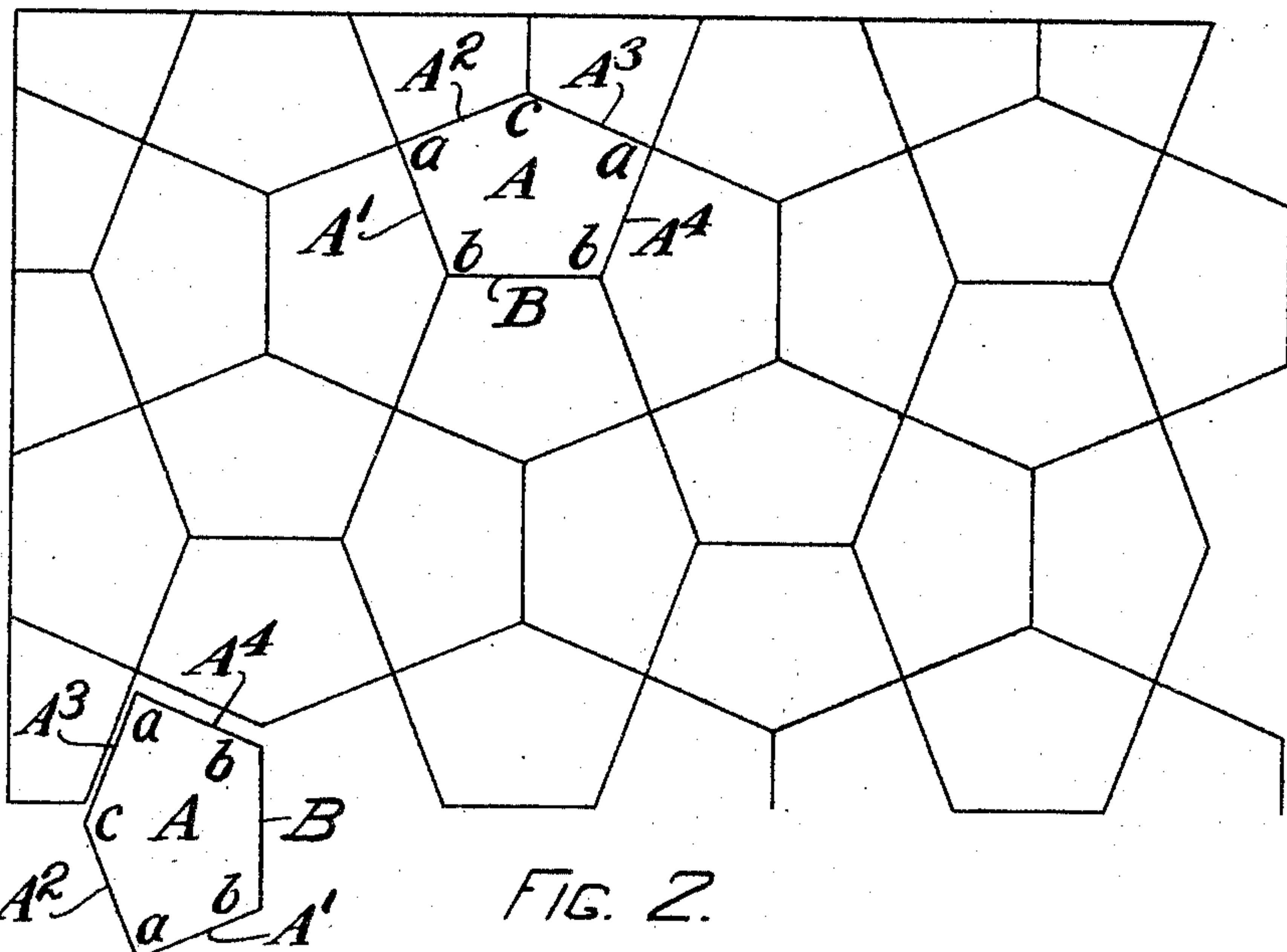


FIG. 2.

WITNESSES
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HERBERT C. MOORE, OF SOMERVILLE, MASSACHUSETTS.

TILE.

No. 928,321.

Specification of Letters Patent.

Patented July 20, 1909.

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To all whom it may concern:

Be it known that I, HERBERT C. MOORE, a citizen of the United States, residing at Somerville, county of Middlesex, Commonwealth of Massachusetts, have invented certain new and useful Improvements in Tiles, of which the following is a specification.

This invention relates to tiling or similar structures in which similar bodies are laid together to form flooring, wall covering, or for like use. In my former application Ser. No. 411,556 I discussed and disclosed a similar tile, which discussion and disclosure I repeat herein but in the present case I shall more particularly consider a tile, the same in general principle but differing in proportion and assemblage. In the production of structures of this sort much difficulty has been experienced in devising units which are capable of combination for the production of a whole which shall conform to the requirements of stability and interengagement incident to the use set forth. With the fulfillment of these requirements in view I have devised my present invention by which I have secured a unit capable of interrelation with other similar units in such a manner as to secure strength and stability of structure, mechanical facility of handling and increased possibility of manipulation.

My invention involves the employment of a unit of such proportion and construction as to provide for combination and combinations and, as will be more fully hereinafter described, by the interrelation of relative side and angle values I am able to produce a combination system in which the unit members are uniform, thus affording a great saving in the production of the article.

In the specification which follows I have set forth and described, and in the drawings shown, an embodiment of my invention which, for the purpose of disclosure, will be treated as a floor tile.

Throughout specification and drawing like reference letters indicate corresponding parts and in the drawings:—Figure 1 is a plan

view of my tiling showing one tile detached, Fig. 2 is a modified form of the same.

A is a unit formed as a five-sided or pentagonal tile capable of use with other similar tiles to be combined into a continuous surface in which the sides of each tile contact throughout with those of adjoining tiles so that no spaces are left between.

In Fig. 1 it will be seen that the angles b, b , are equal, the angles a, a , are equal, and the angle c is equal to twice the supplement of either of the angles b . In Fig. 1 it will be noted that the sides A^1 and A^4 are each equal to one half of the side B .

In Fig. 2 the angles b, b , are equal, the angles a, a , equal, and the angle c is equal to twice the supplement of either of the angles b . In this form, however, the sides A^1, A^2, A^3 , and A^4 , are equal each to each.

These units may be made of any of the tile materials or of rubber composition, or like substances.

By reference to Fig. 2 it will be seen that about the border of the tile area half sections of the tile divided from apex angle c to the middle of the base d are employed to afford a straight wall line. If these tile sections are made with both faces finished it is not necessary to have rights and lefts as the section may be used either side up to complete the base line.

These units may obviously be variously modified in shape within the limits of the appended claims and may be prepared in a variety of colors from which suitable designs and patterns can be worked up, all without departing from the spirit of my invention.

What I therefore claim and desire to secure by Letters Patent is:—

1. A five-sided flat tile unit having two sides adjacent to one of the sides, each equal to half of said side, and the included angles each equal to 120° , and the other angles adjacent to said sides each equal to a right angle.

2. A continuous surface comprising a plurality of uniform five-sided flat tile units each

having the two sides adjacent to one of the sides, each equal to half of said side, and the included angles each equal to 120° , and the other angles adjacent to said sides each equal
5 to a right angle.

3. A five-sided flat tile unit having an apex angle equal to twice the supplement of either of the base angles and having each of the side angles lying between said apex and base constitute a right angle, the sides of said tile being
10 so proportioned as to permit a plurality of

said tiles to be laid in a continuous surface with the sides of a plurality of said tiles to be in continuous contact with a single side of one tile unit.

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In testimony whereof, I affix my signature in presence of two witnesses.

HERBERT C. MOORE.

Witnesses:

EDWARD N. GODING,
R. B. ELLMS.