

No. 712,168.

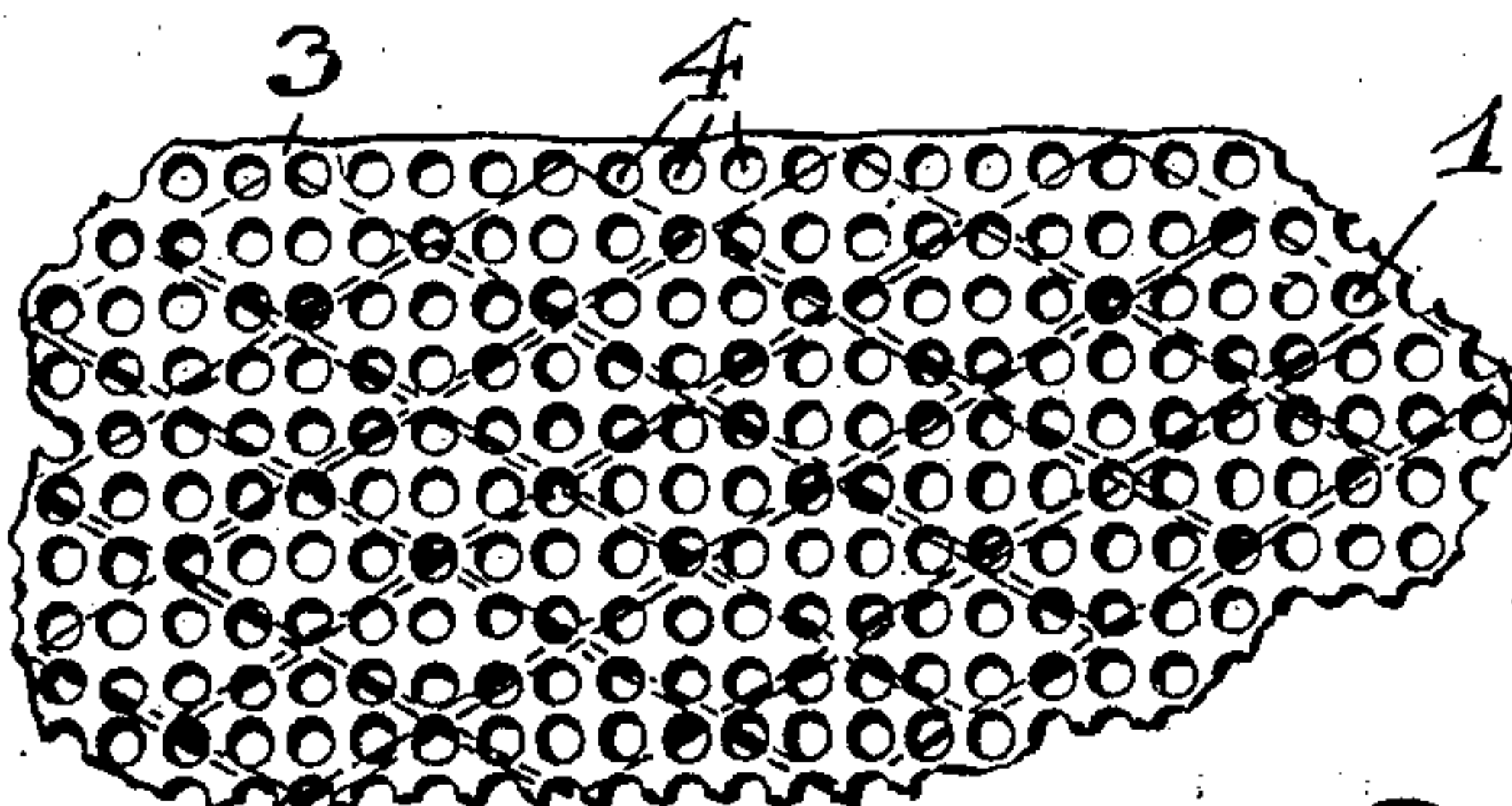
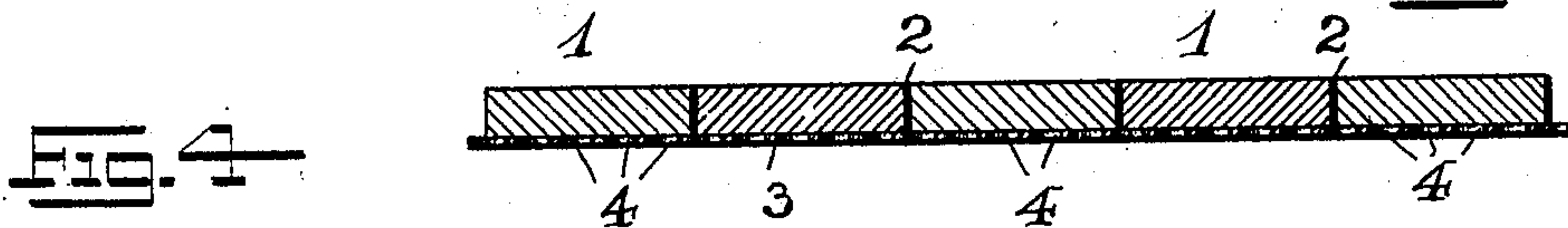
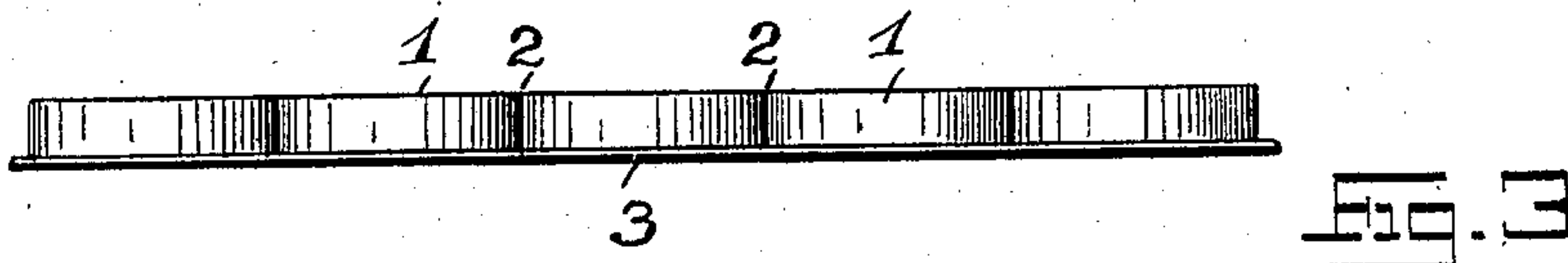
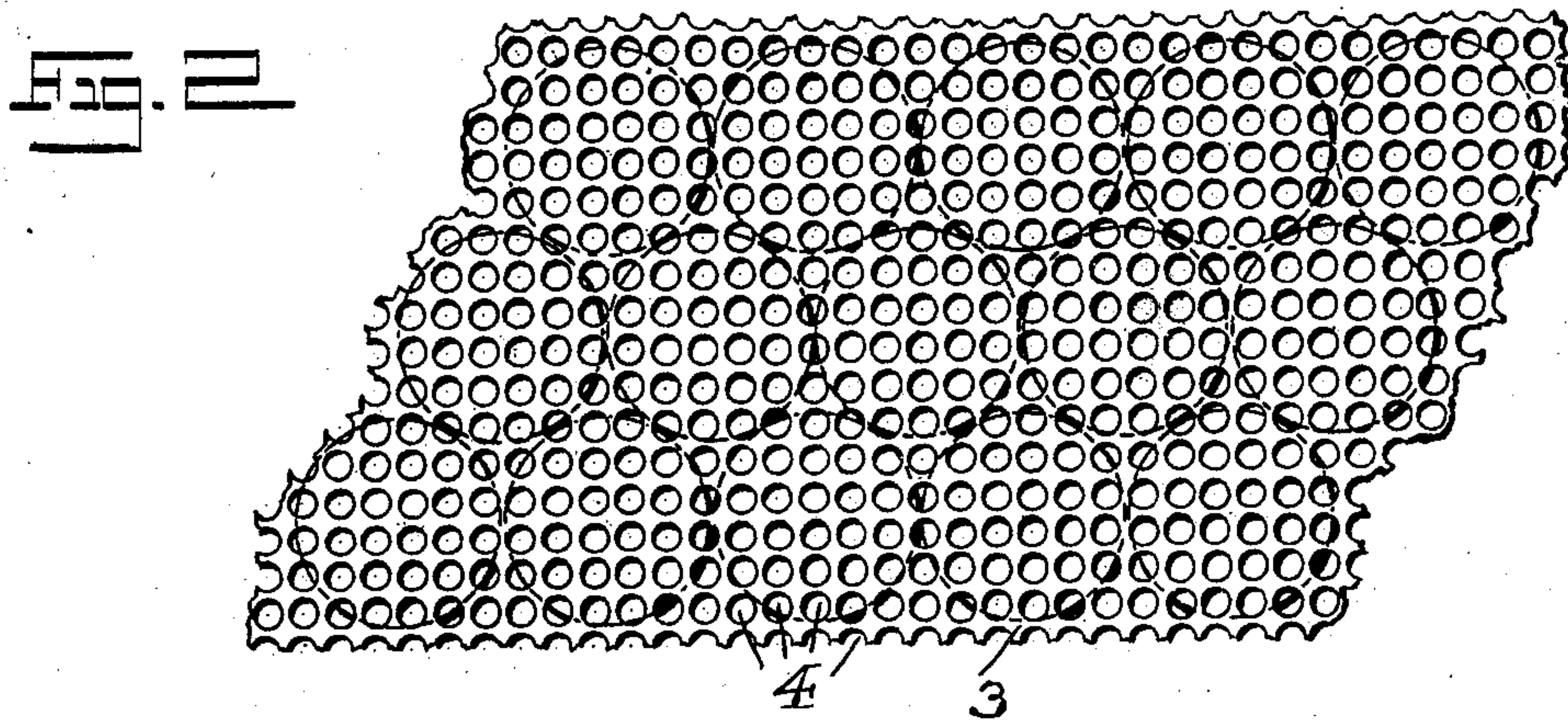
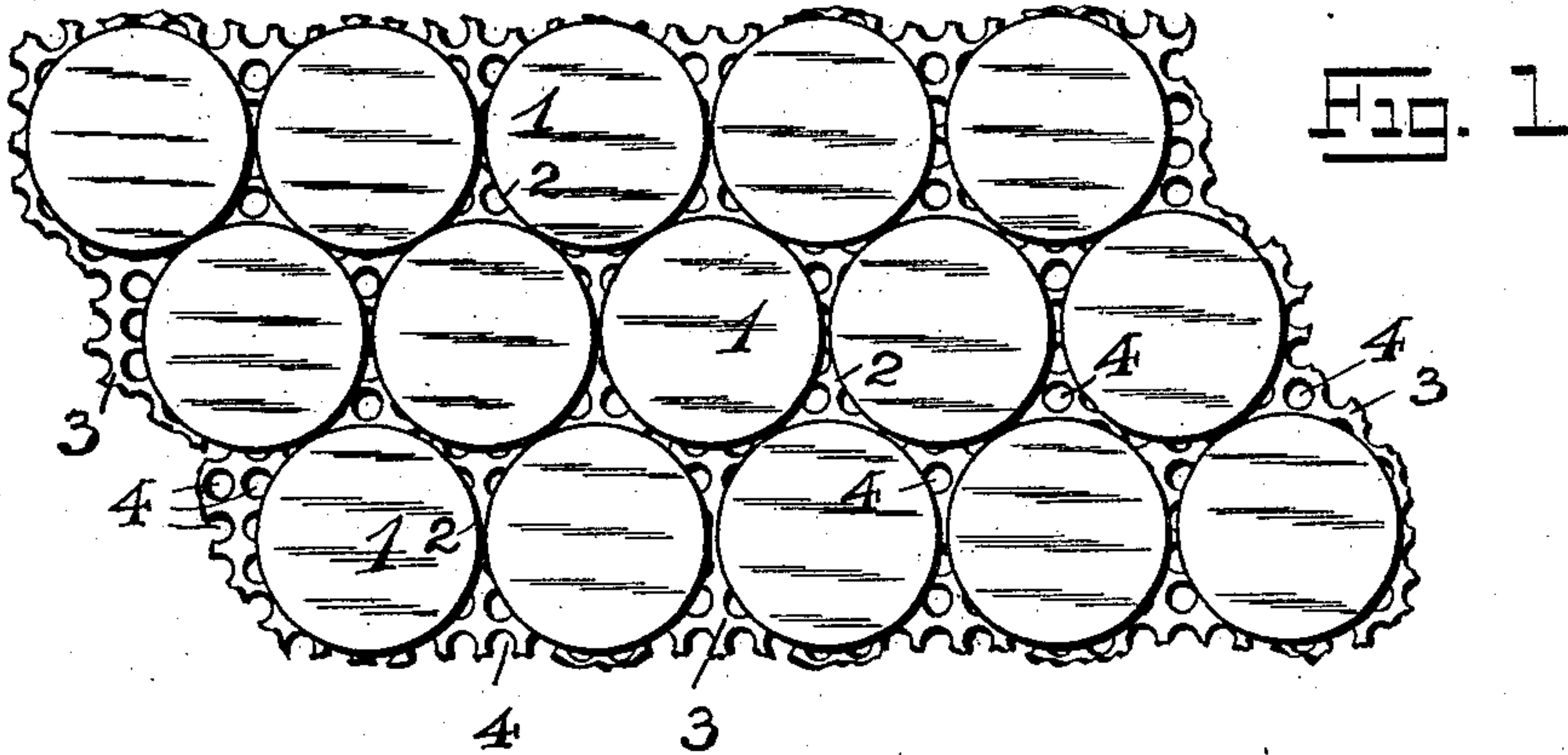
Patented Oct. 28, 1902.

C. WORTH.

TILING.

(Application filed June 2, 1902.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES WORTH, OF NEWARK, NEW JERSEY.

TILING.

SPECIFICATION forming part of Letters Patent No. 712,168, dated October 28, 1902.

Application filed June 2, 1902. Serial No. 109,895. (No model.)

To all whom it may concern:

Be it known that I, CHARLES WORTH, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Tiling; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to numerals of reference marked thereon, which form a part of this specification.

My present invention has reference to improvements in tiling; and the invention relates more particularly to that class of tiling where a number of tiles are arranged and cemented against the face of a sheet of paper to enable the workman to lay a large number of such previously-assembled tiles, the tiles being arranged upon the paper in previously-determined designs, so that the workman is not kept busy in picking out a large number and variety of individual tiles of varying sizes and shapes, and thereby consuming considerable time in placing the tiles in the cement foundation and adding no little to the cost of laying the tiling. Heretofore the assembled tiles had the retaining-sheet of paper pasted or otherwise secured directly upon and over the faces of the design of ornamental tiling, so as to leave the rear faces of the tiles free of the paper, that the assembled tiling would be securely held in the cement foundation. In ornamental tiling of this character the chief difficulty is that the paper is placed directly over the ornamental face or over the design formed by the assembled tiles, whereby the design is completely obstructed to the view of the workman while laying or placing the ornamental tiling in the cement, and it therefore often happens, after the paper covering has been washed away, that the previously-assembled and ornamental tiles have been set in a wrong and reversed position in the floor, which necessitates the picking out of each piece of tiling separately and then separately resetting each piece of tiling to produce the desired and correct design. This is not merely a tedious procedure, but also causes a considerable loss of time and additional expense. Further-

more, although the assembled tiling has been properly and correctly placed in the cement foundation and a perfect design has been produced, still considerable time is necessarily consumed in washing off or otherwise removing the paper covering of the assembled tiles after being set in the cement. To overcome these serious difficulties and objections and to provide assembled tiling in any colors and designs, prior to being set in the cement, with a suitable and serviceable backing of paper, linen, or other fabric or material directly against and upon the rear faces or backs of the assembled tiles, so as to expose the design to the view of the workman and still permit of the proper setting and securing of the assembled tiling in the cement foundation without first having to wash off or remove such covering, are the primary objects of my present invention.

Other objects of the present invention are to provide assembled tiling which can be easily and quickly set in the cement foundation at a great saving in time and at a greatly-reduced cost.

With these various objects in view my invention consists in the assembled tiling hereinafter set forth, as well as in the various novel arrangements and combinations of the parts, all of which will be fully described in the following specification and then finally embodied in the clauses of the claim.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a face view of a number of assembled tiles arranged in any ornamental design upon a backing of paper or other suitable material secured against the rear faces of the assembled tiles, all according to the principles of my present invention; and Fig. 2 is a rear view of the said assembled tiling, illustrating more particularly one form of backing. Fig. 3 is an edge view of the assembled tiling and backing, and Fig. 4 is a sectional representation of the same. Fig. 5 is a rear view of a number of assembled tiles provided with a backing according to my present invention, the said tiles being of a different marginal configuration from the tiles represented in the other figures of the drawings.

Similar characters of reference are em-

ployed in all of the said above-described views to indicate corresponding parts.

Referring to the several figures of the drawings, the reference character 1 indicates any
 5 number of tiles of any suitable shape or configuration in outline or of any desirable color or colors, according to the ornamental design desired. For sake of illustration I have shown in Figs. 1 and 2 a number of circular
 10 tiles, while as a modification I have illustrated in Fig. 5 an assemblage of diamond-shaped tiles; but the size and configuration of the tiles has nothing to do with the essential features of my invention.

15 The joints between the several tiles 1 I have indicated by the reference character 2.

Suitably arranged against the backs or rear faces of the previously-assembled pieces of tiling 1 in any suitable manner, but preferably by being cemented or pasted against
 20 the said backs or rear faces of the said tiles 1, so as not to cover over and obstruct their ornamental faces, is a backing 3, of paper, linen, or other suitable fabric or material
 25 which will serve as a retaining sheet or backing upon which the pieces of tiling 1 are arranged and held, in the manner stated, in any ornamental design, such as an arrangement of geometrical figures or coloring or in the
 30 production of monograms, insignia, or floral or other ornamental designs.

In order that the assembled tiling can be readily placed and secured by the workman in the cement foundation and properly and
 35 securely held by the cement, which is also to be forced into the joints between the several tiles 1 when the assembled tiling is beaten in place by the workmen, the said backing 3 is provided with any number of holes or perforations 4, which may be of any desirable
 40 shapes and sizes and into and through which the moist cement oozes to adhere to the backs in the tiles and also to fill the joints and crevices between the tiles, as will be clearly
 45 evident.

The many advantages obtained by arranging the backing 3 against and upon the rear faces of the assembled tiling instead of upon

their front faces, as heretofore, will be clearly evident and need not be further set forth in
 50 detail here. Suffice it to say that because the ornamental design of the assembled tiling is not obstructed to the view of the workman while laying and setting the tiling in the cement foundation he can do much faster and
 55 better work and at a greatly-reduced cost to the contractor of the work.

I am aware that some changes may be made without departing from the scope of my present invention. Hence I do not limit my in-
 60 vention to the exact arrangements and combinations of the parts as herein described and as illustrated in the accompanying drawings.

Having thus described my invention, what
 65 I claim is—

1. In assembled tiling, the combination, with a number of tiles, of a flexible backing of a fibrous fabric on which said tiles are arranged with their rear faces secured to the
 70 said backing so as to expose the ornamental front faces of the tiles, and said backing being of such nature that when forced into the cement foundation, the cement will permeate said fabric backing and fill the joints be-
 75 tween the tiles, substantially as and for the purposes set forth.

2. In assembled tiling, the combination, with a number of tiles, of a flexible backing of a fibrous fabric on which said tiles are arranged with their rear faces secured to the
 80 said backing so as to expose the ornamental front faces of the tiles, the said backing being provided with perforations for admission of the cement through the said perfora-
 85 tions to fill the joints between the tiles and against the backs of the tiles when forced into the cement foundation, substantially as and for the purposes set forth.

In testimony that I claim the invention set
 90 forth above I have hereunto set my hand this 29th day of May, 1902.

CHARLES WORTH.

Witnesses:

FREDK. C. FRAENTZEL,
 GEO. D. RICHARDS.