

No. 804,754.

PATENTED NOV. 14, 1905.

H. MEYER.
ROOFING TILE.

APPLICATION FILED FEB. 21, 1905.

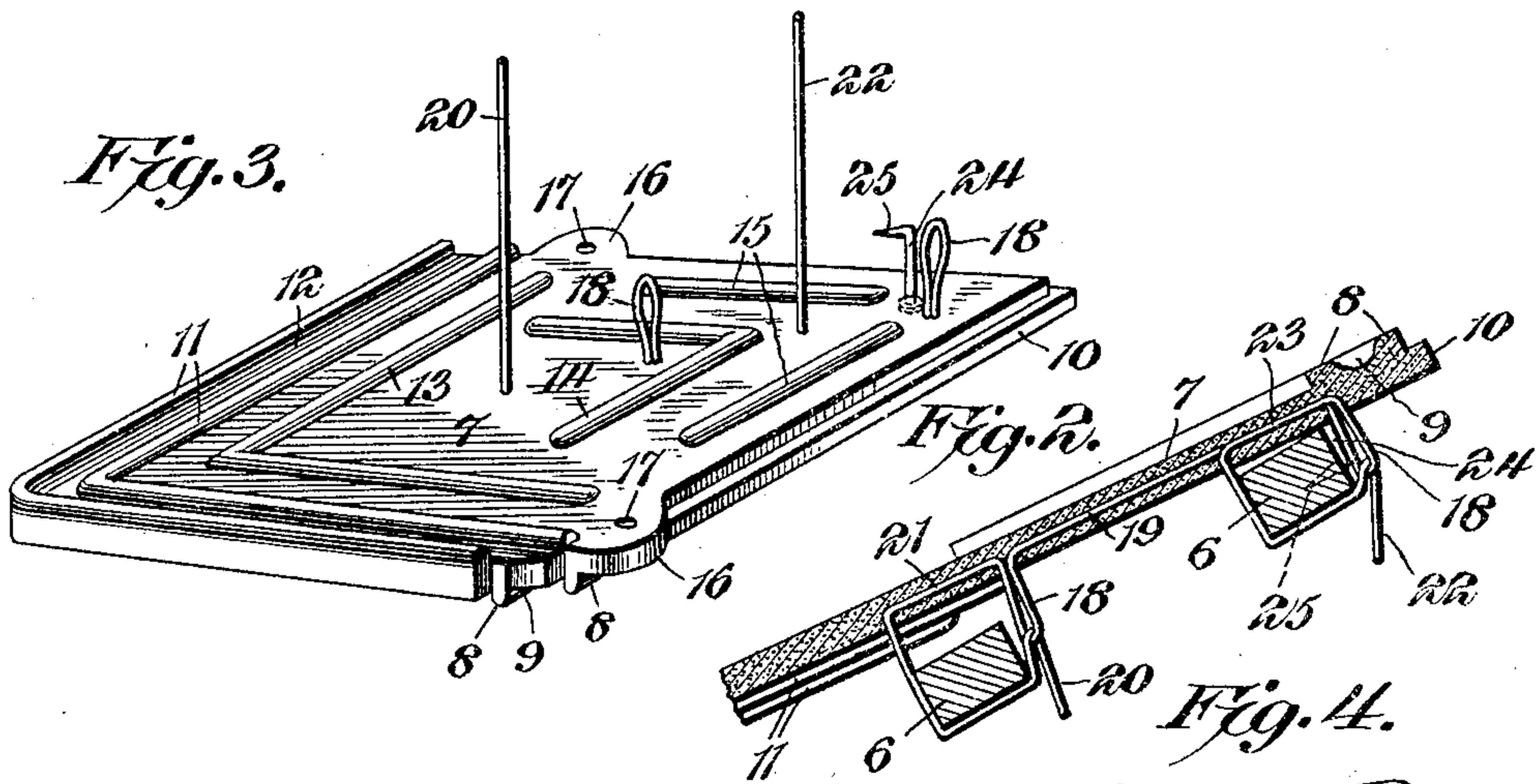
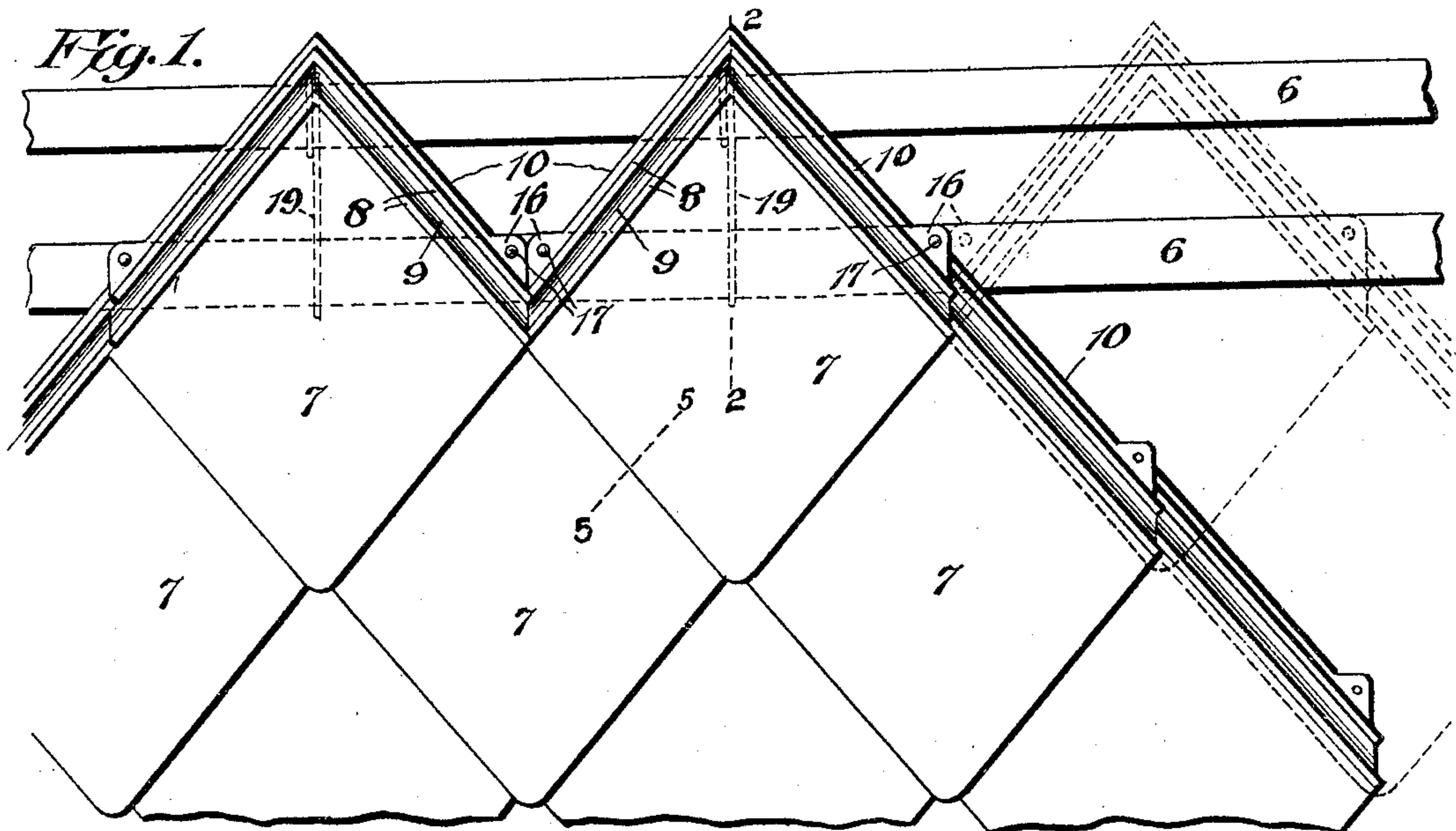
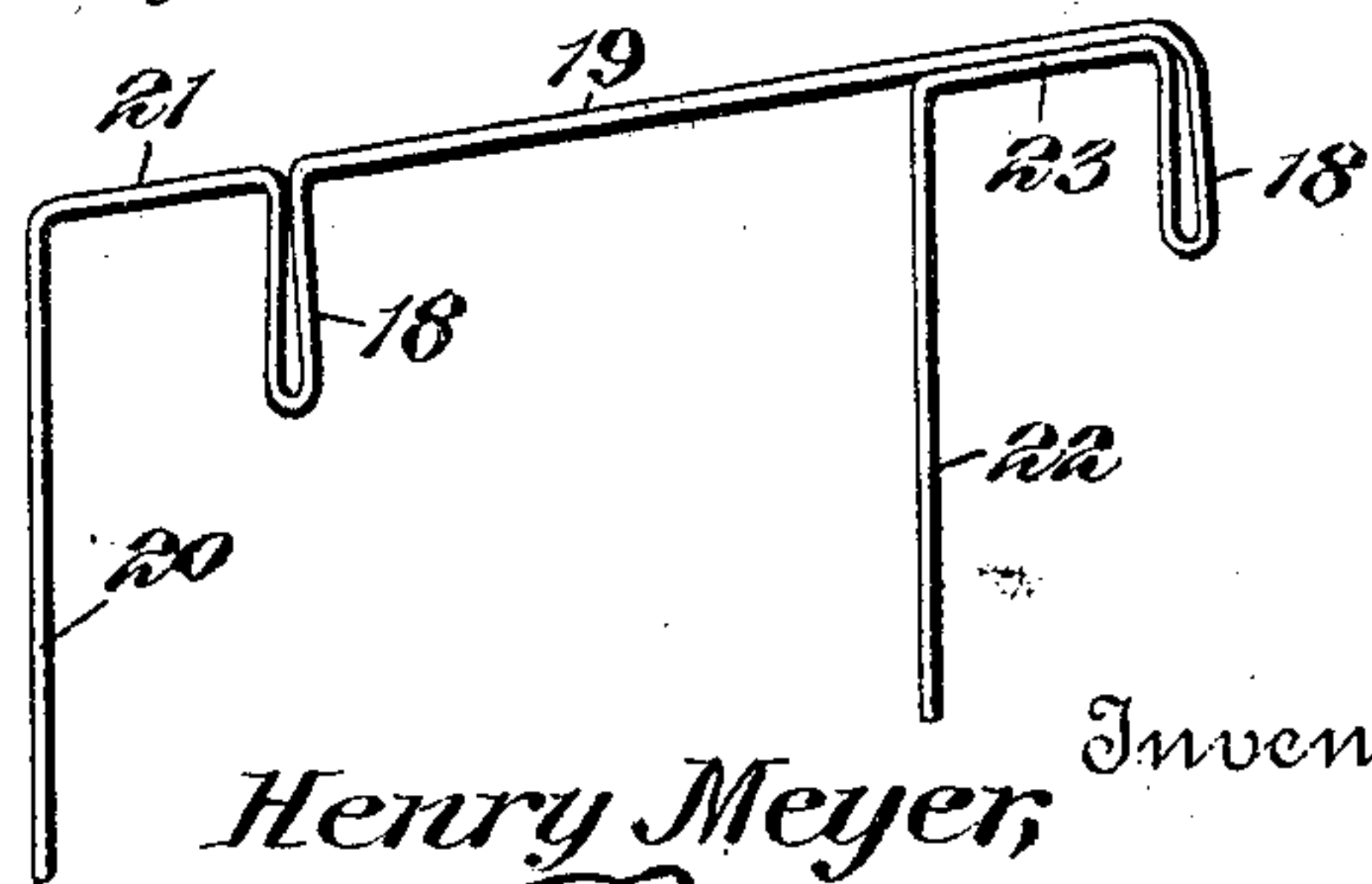
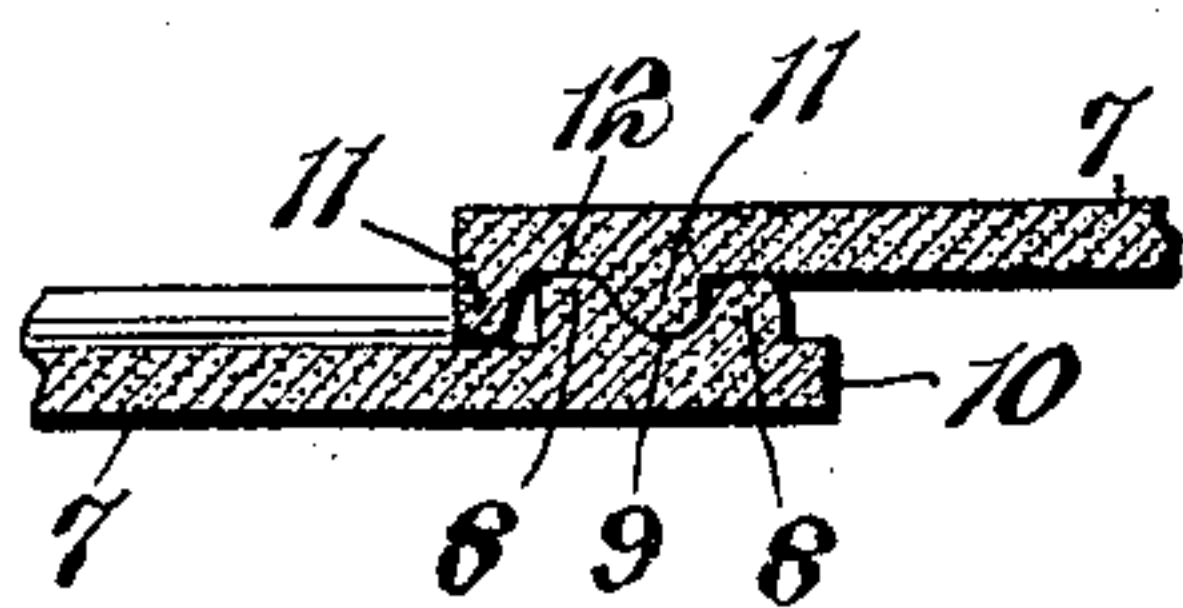


Fig. 5.



Witnesses
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ROOFING-TILE.

No. 804,754.

Specification of Letters Patent.

Patented Nov. 14, 1905.

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To all whom it may concern:

Be it known that I, HENRY MEYER, a citizen of the United States, residing at Deshler, in the county of Henry and State of Ohio, have
5 invented a new and useful Roofing-Tile, of which the following is a specification.

This invention relates more particularly to that class of tiles formed of cementitious or plastic material; and the principal object is
10 to provide, in connection with tiles of this character which can be readily applied to a roof, novel and simple devices for fastening the tiles to the roof structure, said devices constituting secure holding means and being
15 readily operable without any material danger of breaking the tiles.

An embodiment of the invention that is at present considered preferable is illustrated in the accompanying drawings, wherein—

20 Figure 1 is a plan view of a portion of a roof covered by the improved tiles. Fig. 2 is a detail sectional view taken on the line 2-2 of Fig. 1. Fig. 3 is a perspective view of one of the tiles reversed. Fig. 4 is a detail
25 perspective view of the fastening means, and Fig. 5 is a detail sectional view on the line 5-5 of Fig. 1.

Similar reference-numerals designate corresponding parts in all the figures of the draw-
30 ings.

In the embodiment illustrated the roof structure may be of the ordinary formation, including spaced strips 6, on which the tiles rest and to which the same are secured. The
35 tiles in the present case are substantially of diamond form and comprise bodies 7, formed of cement or other plastic material, said bodies having on their upper faces and along the two upper margins upstanding ribs 8,
40 forming between them a gutter or channel 9. The said ribs are slightly spaced from the edge of the body, so as to form flanges 10. Projecting from the under side of the tile and along the two lower margins thereof are simi-
45 larly-formed ribs 11, the outermost of which is located at the edge of said tile, these ribs forming a gutter 12 between them. Angular strengthening-ribs 13, 14, and 15 are also
50 formed upon the under side of the tile, the ends of the rib 14 being spaced from the ribs 13 and being arranged reversely thereto, as shown in Fig. 3.

For the purpose of securing the tiles to the roof structure outstanding ears 16 are formed
55 integral with the body and project beyond

the upper margins thereof contiguous to the ends of the ribs 11. These ears 16 are perforated, as shown at 17, in order to receive fastening devices, such as nails. Other fast-
60 ening means are employed which project from the under side of the tile-body, as shown. A single wire is employed provided with offset depending loops 18, said loops being connected, as shown at 19. One of the terminal
65 portions 20 of the wire is offset and is connected to one of the loops 18, as shown at 21, the other terminal 22 being in like manner offset and spaced from the other eye, to which
70 it is connected by a portion of the wire, as shown at 23. The connections 19, 21, and 23 are embedded in the body of the tile, as illustrated in Fig. 2, and the eyes and stems project
75 from the under side of said body, said stems being considerably longer than the eyes. Another holding device, preferably in the form of a nail 24, may be employed, the
80 head of which is embedded in the body of the tile at one side of the upper eye, the other end of said nail being offset to form a sharpened hook 25.

In applying the tiles to a roof structure the under marginal ribs 11 of one are engaged
85 over the adjacent upstanding marginal ribs 8 of the two adjacent tiles. The ears 16 will be located over one of the holding-strips 6, and nails or other fasteners are driven through
90 said ears into said strips. The holding device 24 is in like manner engaged over the upper edge of one of the strips, with the point or hook 25 thereof embedded in the strip, said
95 device 24 thus holding the tile securely against slipping downwardly. Each of the eyes 18 will be located above one of the strips, while the stems 20 will project downwardly below the same. These stems are then bent around
100 the strips, as shown in Fig. 2, and hooked or otherwise fastened in the eyes 18. As a result the tiles will be securely fastened in place and cannot readily become accidentally detached, though if it is desired to remove them
105 the stems can of course be disengaged from the eyes, the nails withdrawn from the ears, and the tiles thus released.

From the foregoing it is thought that the construction, operation, and many advantages
110 of the herein-described invention will be apparent to those skilled in the art without further description, and it will be understood that various changes in the size, shape, proportion and minor details of construction may

be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

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

1. In a roofing-tile, a body of plastic material, an open eye carried by the body, and a flexible holding device having a secured portion embedded in the body and a free terminal portion projecting from said body at one side of the eye, said free terminal portion being arranged to be passed through the eye.

2. In a roofing-tile, a body of plastic material, and fastening means for said body comprising an eye of wire having a portion embedded in the body and depending from its under side, and a flexible holding device of wire also having a portion embedded in the body, said holding device projecting from the body and being arranged to be passed through the eye.

3. In a roofing-tile, a body of plastic material, and a fastening device comprising an eye, a flexible holding-stem, and a connection between the eye and stem, said eye and stem projecting from the body and the connection being embedded in said body.

4. In a roofing-tile, a body of plastic material, and a fastening device formed of a single wire and comprising an offset loop forming an eye, an offset terminal portion consti-

tuting a fastening device adapted to be passed through the eye, and a connection between said terminal portion and eye, said connection being embedded in the body and constituting means for securing the same and eye thereto.

5. In a roofing-tile, a body of plastic material, a plurality of eyes projecting from the under side of the same, and a plurality of fastening devices also projecting from the under side of the body in spaced relation to the eyes, said devices being respectively arranged to surround the roof-strips and be passed through one of the eyes.

6. In a roofing-tile, a body of plastic material, and fastening means for said body formed of a single wire, said wire having spaced portions offset and looped to form eyes, the terminal portions of said wire being spaced from the loops and also offset, forming holding-stems adapted to be passed through the eyes, said eyes and stems projecting from the under side of the body and the remaining portions of the wire being embedded in said body.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HENRY MEYER.

Witnesses:

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