

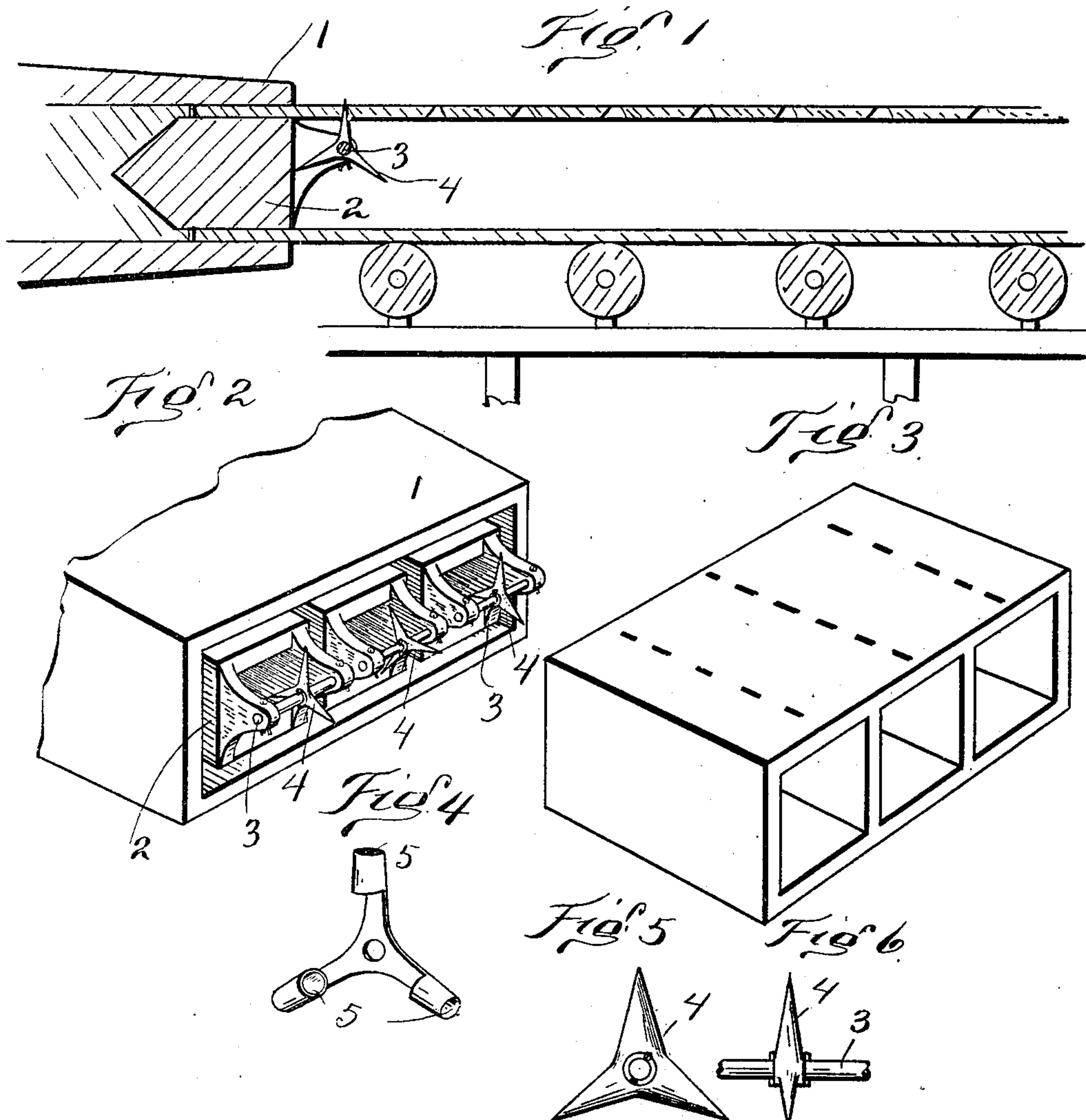
No. 658,534.

Patented Sept. 25, 1900.

I. STRIPE.
DEVICE FOR PERFORATING TILES.

(Application filed Feb. 16, 1899.)

(No Model.)



WITNESSES

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ATTY

UNITED STATES PATENT OFFICE.

ISAAC STRIPE, OF AULTMAN, OHIO, ASSIGNOR TO THE H. B. CAMP COMPANY,
OF SAME PLACE

DEVICE FOR PERFORATING TILES.

SPECIFICATION forming part of Letters Patent No. 658,534, dated September 25, 1900.

Application filed February 16, 1899. Serial No. 705,640. (No model.)

To all whom it may concern:

Be it known that I, ISAAC STRIPE, a citizen of the United States, residing at Aultman, in the county of Stark and State of Ohio, have
5 invented a certain new and useful Device for Perforating Tile; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this
10 specification, and to the figures of reference marked thereon, in which—

Figure 1 is a longitudinal section showing the different parts arranged. Fig. 2 is a perspective view of the die. Fig. 3 is a view
15 showing a finished tile. Figs. 4 and 5 are detached views of the rotary cutting blades or disks. Fig. 6 is an edge view of one of the cutting blades or disks.

The present invention has relation to devices
20 vices designed for perforating tile; and it consists in the novel arrangement hereinafter described, and particularly pointed out in the claim.

Similar numerals represent corresponding
25 parts in all the figures of the drawings.

In the accompanying drawings, 1 represents a portion of the outside die, which is constructed in the ordinary manner and is held in position in the usual way. This part
30 of the device has no particular reference to the present invention, except to carry out the object and purpose hereinafter described, and may be of any desired form or style, reference being had to the form, style, or kind of
35 tile designed to be formed.

Within the outside die 1 are arranged in the usual manner the inside dies 2. In the drawings three inside dies are shown; but it will be understood that the number of inside
40 dies may be varied without departing from the nature of the present invention. For instance, a single inside die may take the place of the three inside dies shown. As shown, the inside dies are each provided with arms, to
45 which arms are connected the bars 3.

Upon the bars 3 are mounted the cutting blades or disks 4, which disks may be and preferably are located and arranged as shown,

and, as shown, they are so located that as the clay is forced through or passes the die proper
50 the arms of the blades or disks will enter the elastic clay and cause said disks to revolve, by which movement apertures are formed at intervals, as illustrated in the drawings. I have illustrated the disks or cutting-blades
55 located to form apertures upon but one side of the tile proper; but it will be understood that they may be so located and arranged that apertures will be formed upon more than
60 one side, if so desired, as this is a matter of judgment only as to the location and arrangement of the revolving cutting blades or disks.

In Fig. 4 I have illustrated a modified form of a cutting blade or disk, which consists in
65 providing open ends 5, by which arrangement a portion of the clay is cut from the tile-body, and the portion cut is forced through the hollow ends and allowed to fall upon the inside of the tile.

It will be understood that many forms and
70 styles of cutting-blades may be employed without departing from the nature of my invention, as it will be seen that the form of the arms of the cutting-blades must correspond with the form of the aperture designed
75 to be made in the tile.

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

The combination of the outer die, die or
80 dies located within the outer die and provided with arms, a bar or bars connected to the arms of the inside die or dies, a disk or disks located upon the bar or bars having cutting-arms and located within the hollow tile and
85 inclosed thereby, and within the path of said hollow tile, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence
90 of two witnesses.

ISAAC STRIPE.

Witnesses:

LEONARD RABER,
FRANEY RABER.