

J. A. McKEE.

TILE.

APPLICATION FILED APR. 24, 1908.

914,862.

Patented Mar. 9, 1909.

2 SHEETS—SHEET 1.

Fig. 1.

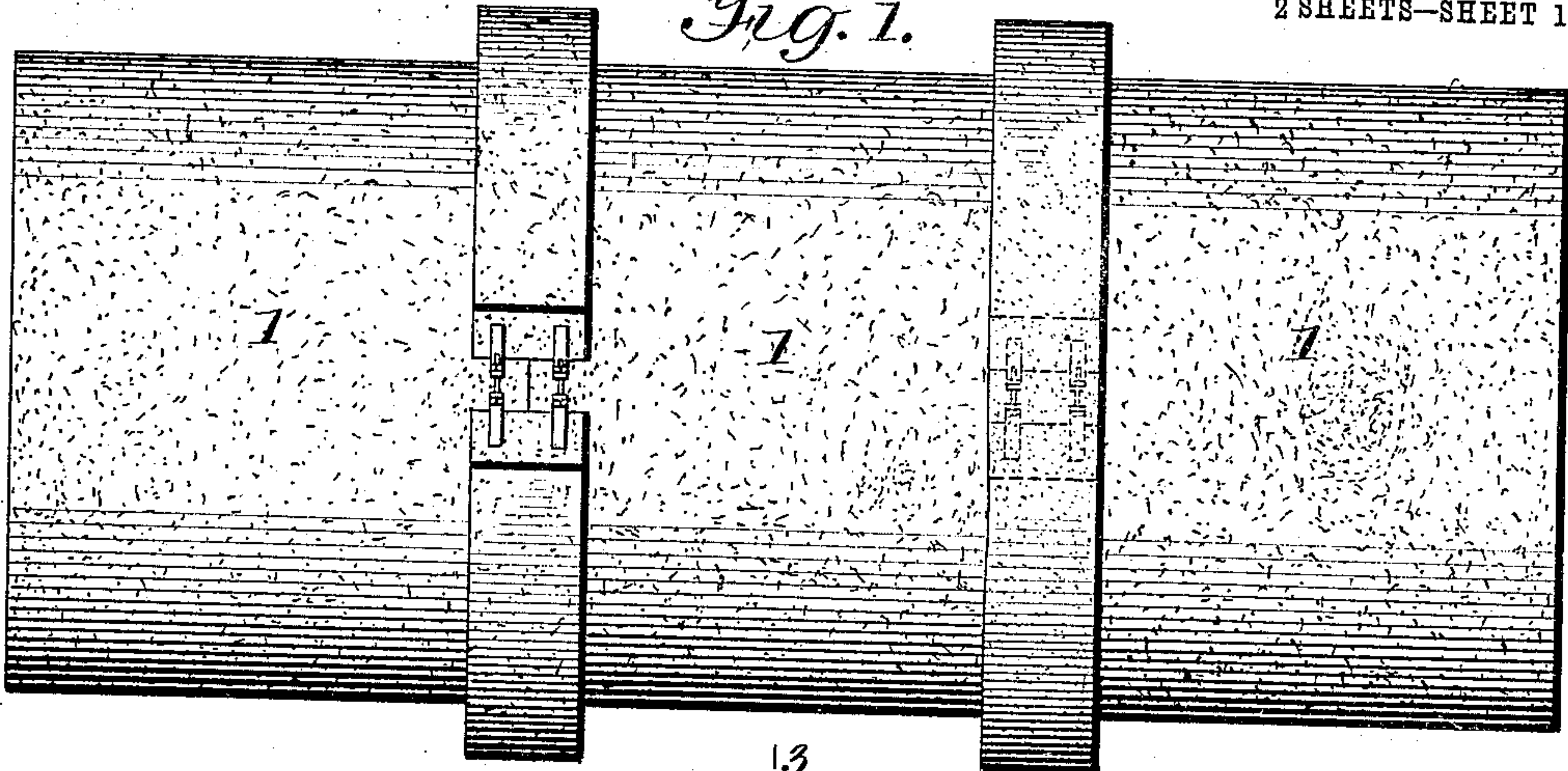


Fig. 2.

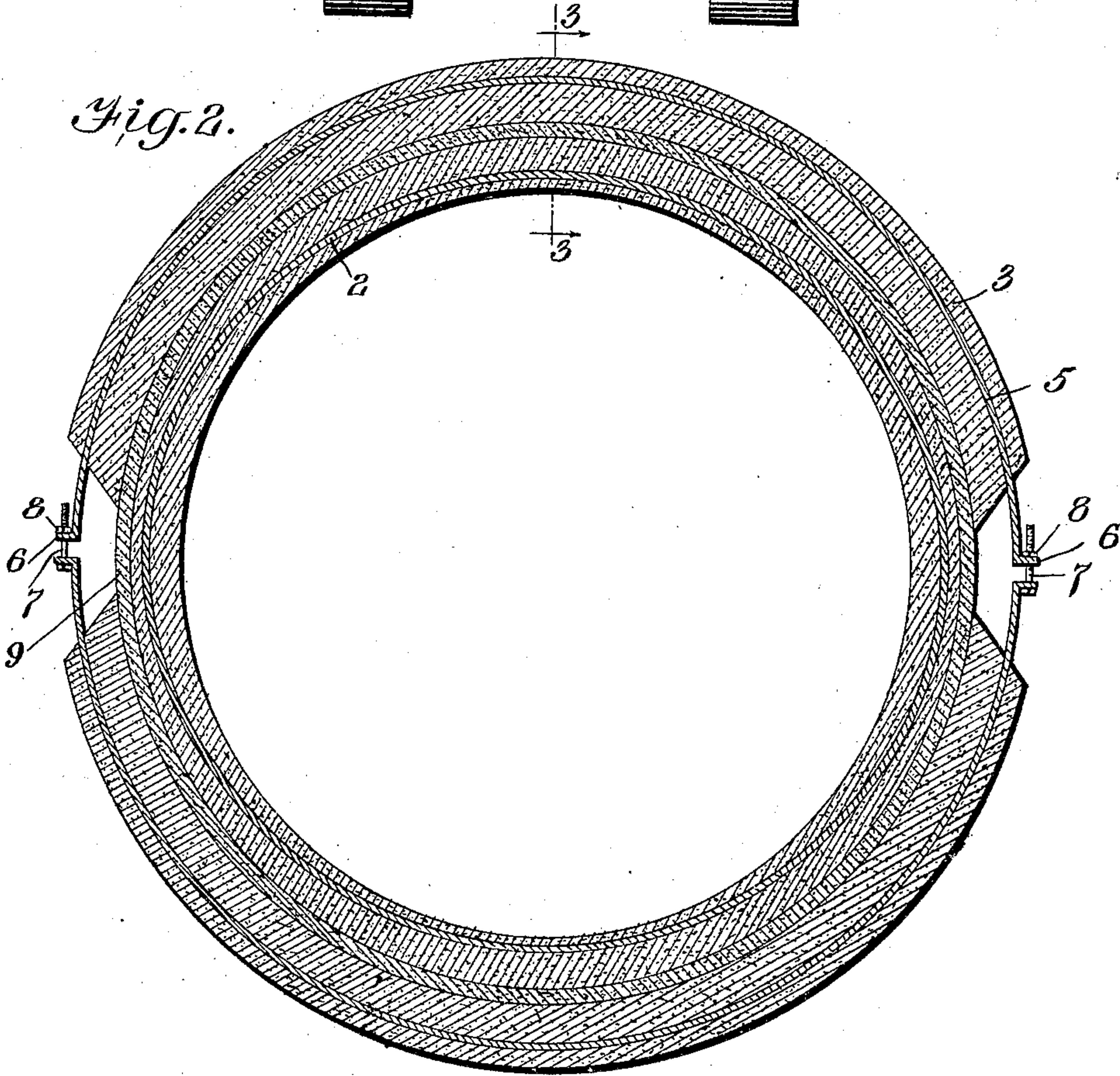
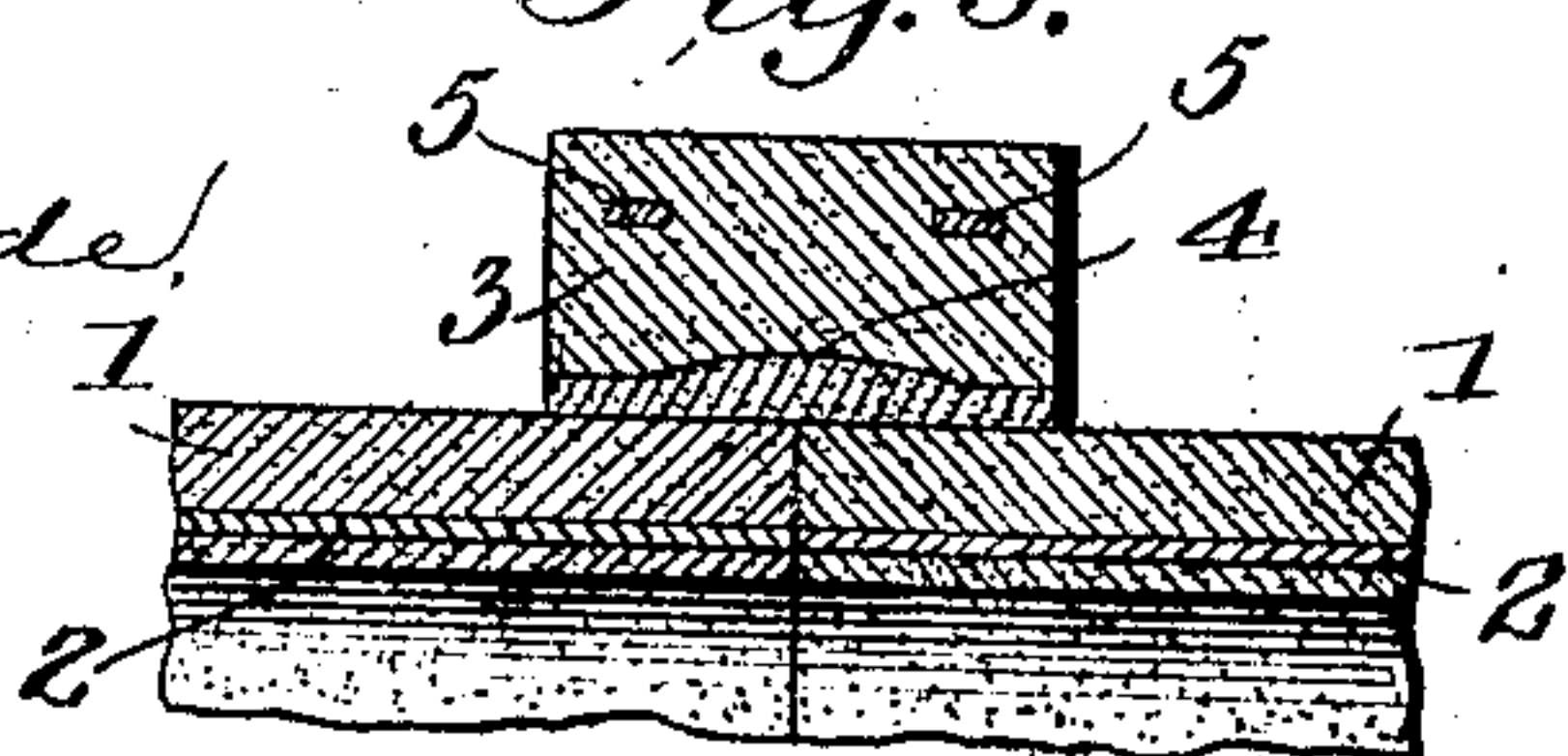


Fig. 3.



WITNESSES

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2 SHEETS—SHEET 2.

Fig. 4.

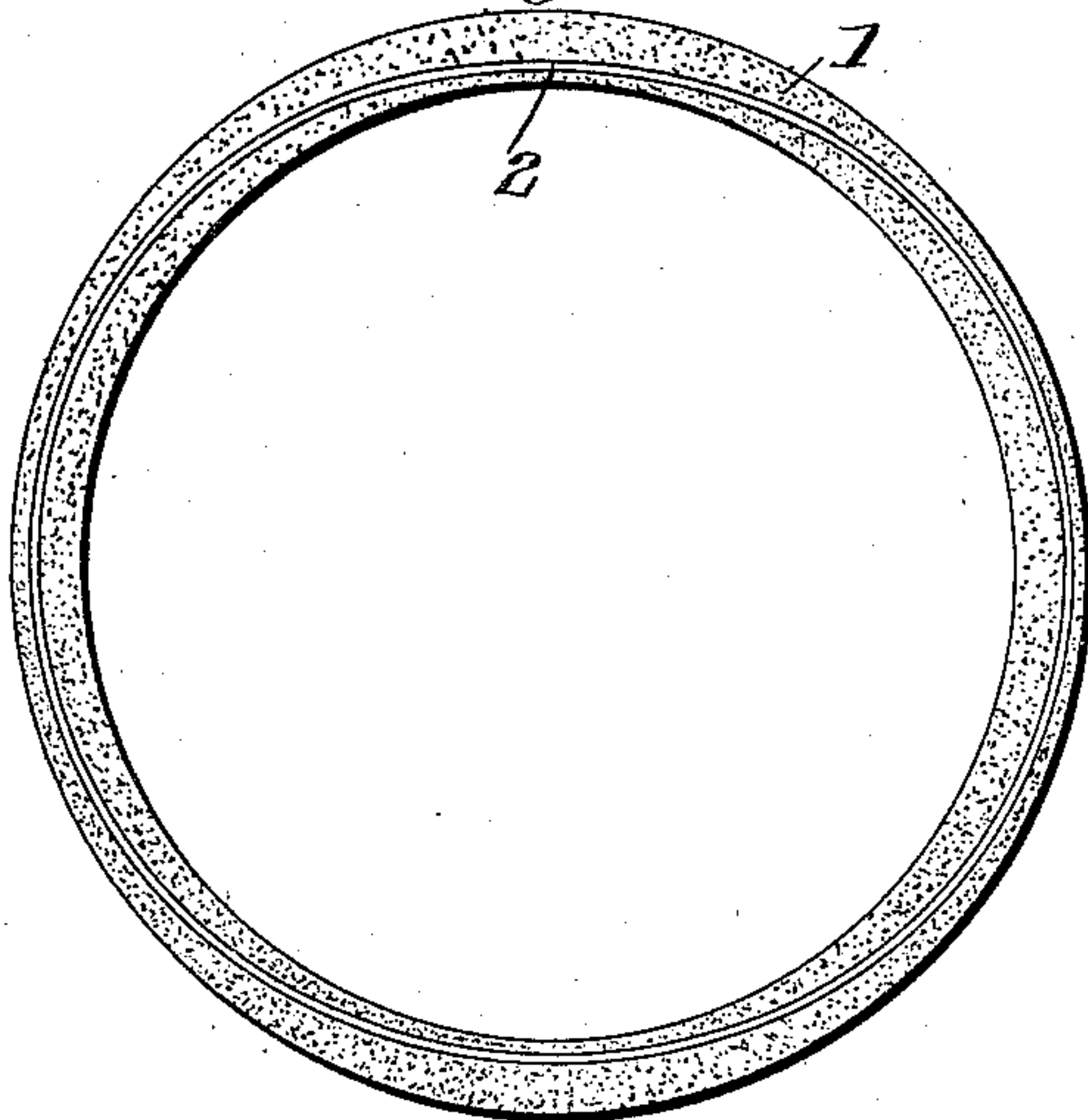


Fig. 5.

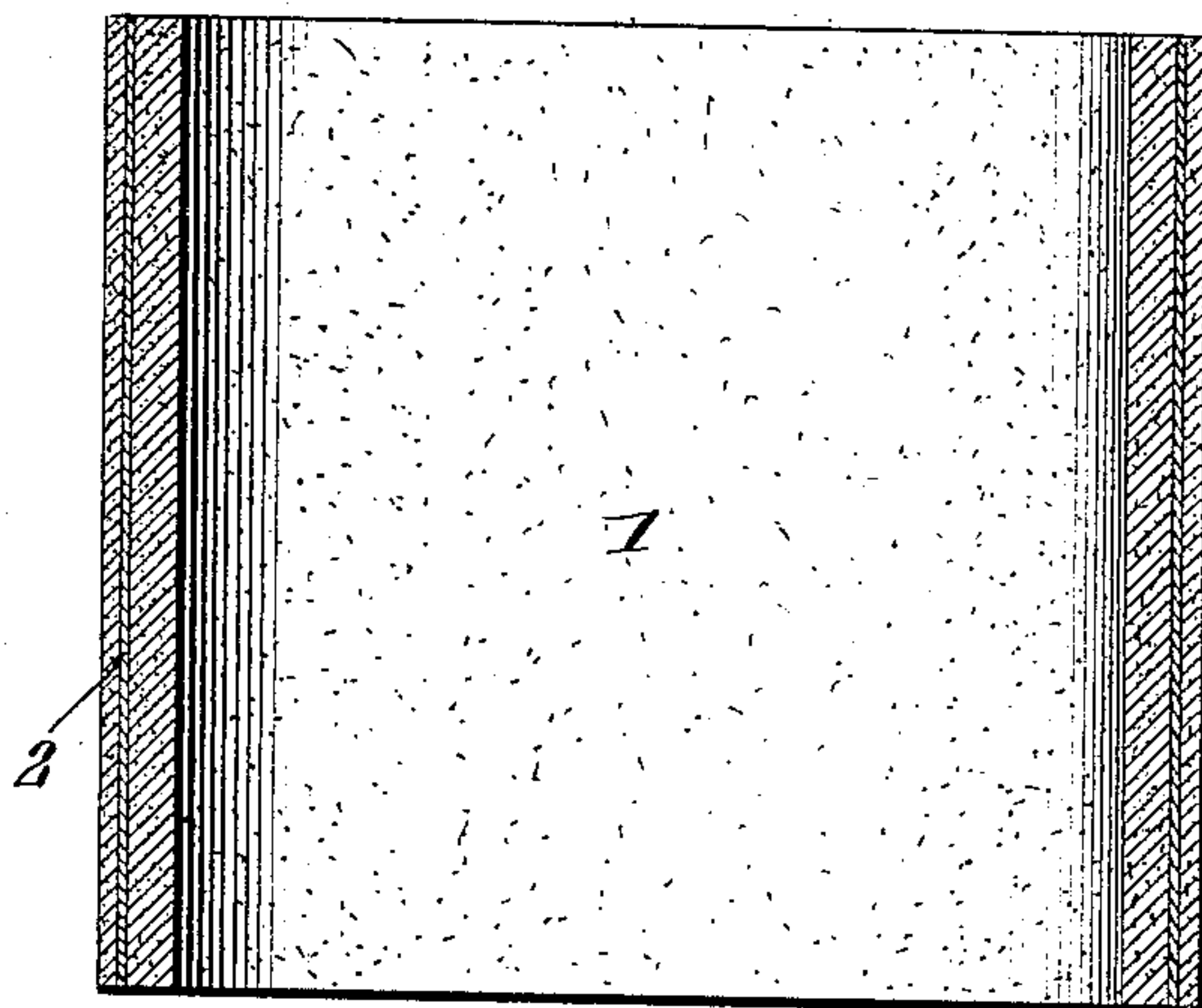


Fig. 6.

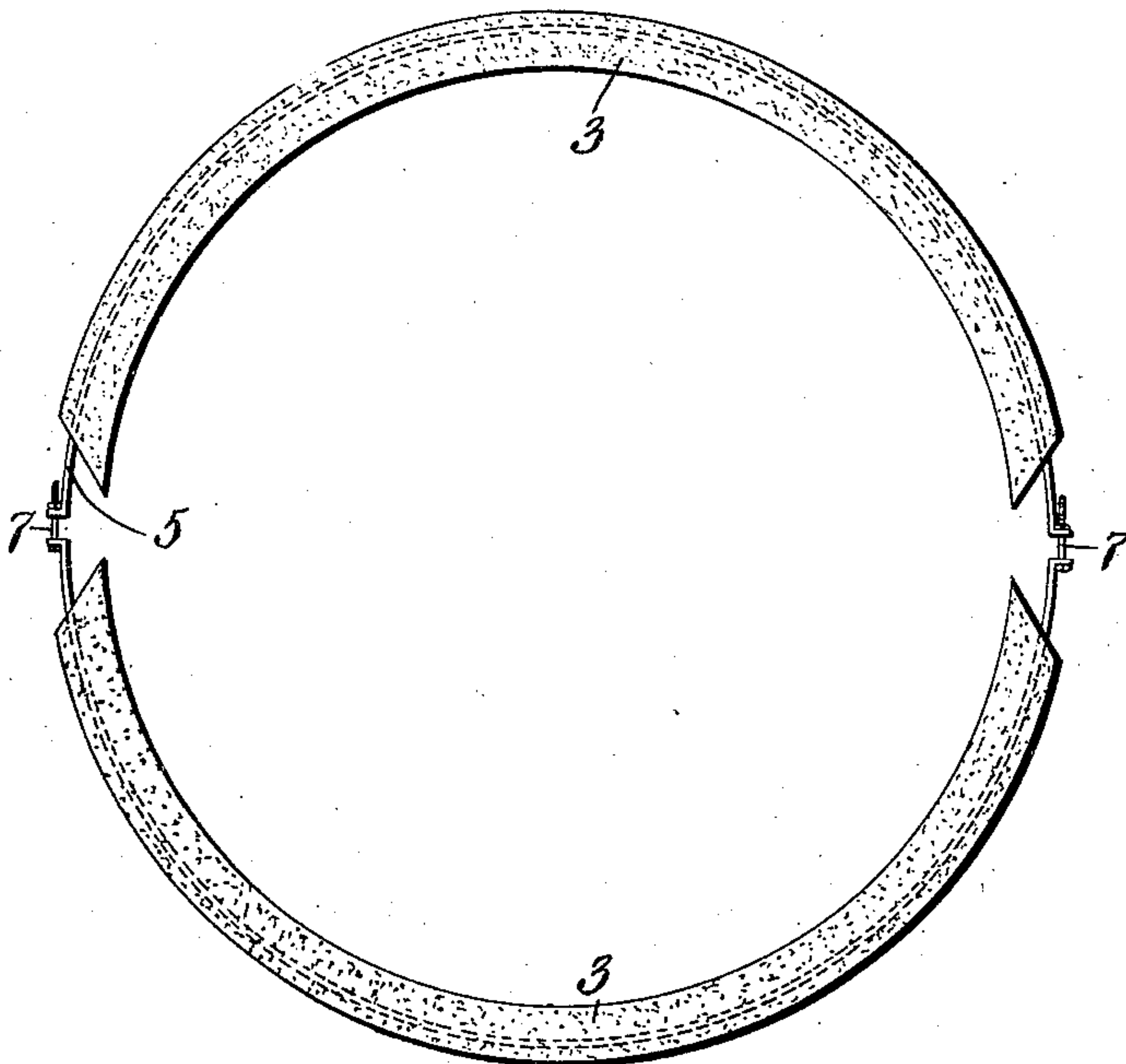
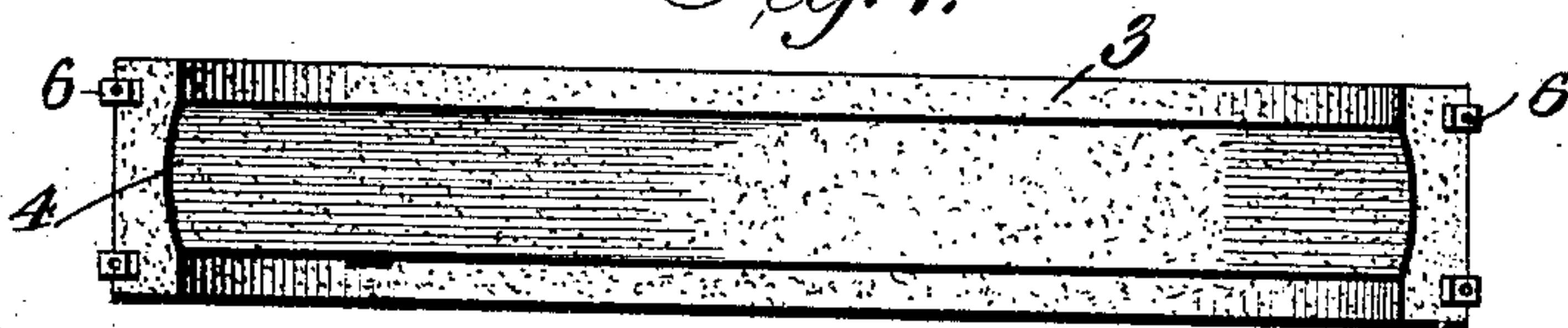


Fig. 7.



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JOSEPH A. McKEE, OF JEFFERSONVILLE, INDIANA.

TILE.

No. 914,862.

Specification of Letters Patent.

Patented March 9, 1909.

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To all whom it may concern:

Be it known that I, JOSEPH A. McKEE, a citizen of the United States, and a resident of Jeffersonville, in the county of Clark and State of Indiana, have invented certain new and useful Improvements in Tiles, of which the following is a specification.

My invention is an improvement in tiles and consists in certain novel constructions and combinations of parts to be hereinafter described and claimed.

Referring to the drawings forming a part hereof Figure 1 is a side view of several of the tiles, showing the manner of connecting them together. Fig. 2 is a transverse section through the tile on the line of the connecting device. Fig. 3 is a section on the line 3—3 of Fig. 2. Fig. 4 is a transverse section of one of the tiles. Fig. 5 is a longitudinal section through one of the tiles. Fig. 6 is an end view of the fastening device, and Fig. 7 is a plan view of one of the members of the fastening device.

In the present embodiment of my invention, the tile body 1 is molded of plastic material, and is cylindrical in form, and is provided with a reinforce 2 of suitable material, which is embedded in the body of the tile, and is arranged as shown in Figs. 2 and 4.

A tile when in position, is subjected to compression strain on its upper outer surface on its inner side surfaces, and on its outer lower surface, and to tension strain on its inner upper surface on its outer side surfaces, and its inner lower surface. In order to counteract each of these strains, the reinforce is arranged nearer to the inner upper and inner lower surfaces, and nearer to the outer side surfaces, that is the reinforce is elliptical in form instead of circular, the widest point of the ellipse being horizontal when the tile is in place.

The tiles are laid end to end in the usual manner and are connected together by a fastening device, consisting of two approximately semi-circular members 3 composed of plastic material, and provided on their inner faces with a longitudinal depression 4, and with a reinforce 5, the ends of the reinforce projecting beyond the ends of the sections, and being provided with an angular portion 6, having an opening for receiving a bolt 7,

which connects the sections together, the bolt being retained in place by a nut 8.

The inner diameter of the sections when connected together, is somewhat greater than the outer diameter of the tile so that when the sections are in place, an annular space is left between the inner face of the fastening device and the outer faces of the abutting tiles. This space is also filled with plastic material as shown in Figs. 2 and 3.

In joining the tile when laying them, the lower section of the fastening device is provided with a coating of the plastic material 9, and the ends of the tiles are abutted on the said section and the upper face of the abutting ends of the tiles are also provided with a coating, after which the upper section is put in place.

The bolts 7 are inserted through the proper openings, and the sections are drawn together by the nuts 8, after which the spaces between the ends of the sections are filled with plastic material.

I claim:

1. The combination with the tiles arranged with their ends abutting, of a fastening device for the tiles, said device comprising a plurality of substantially semi-circular sections of plastic material, each provided with a reinforce whose ends extend beyond the ends of the sections, and are provided with an angular portion, and bolts traversing the angular portion for connecting the sections together, the inner faces of the sections being provided with a longitudinal depression for the purpose set forth.

2. The combination with the tiles arranged with their ends abutting, of a fastening device for the tiles, said device comprising a plurality of substantially semi-circular sections of plastic material, each provided with a reinforce whose ends extend beyond the ends of the sections, and means engaging the ends of reinforce for drawing the sections together, the inner pieces of the sections having a longitudinal depression for the purpose set forth.

JOSEPH A. McKEE.

Witnesses:

HENRY F. DILGER,
GEORGE H. VOIGT.