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B. L. HENRY

PLAY BALL COVERING

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Fig. 1.

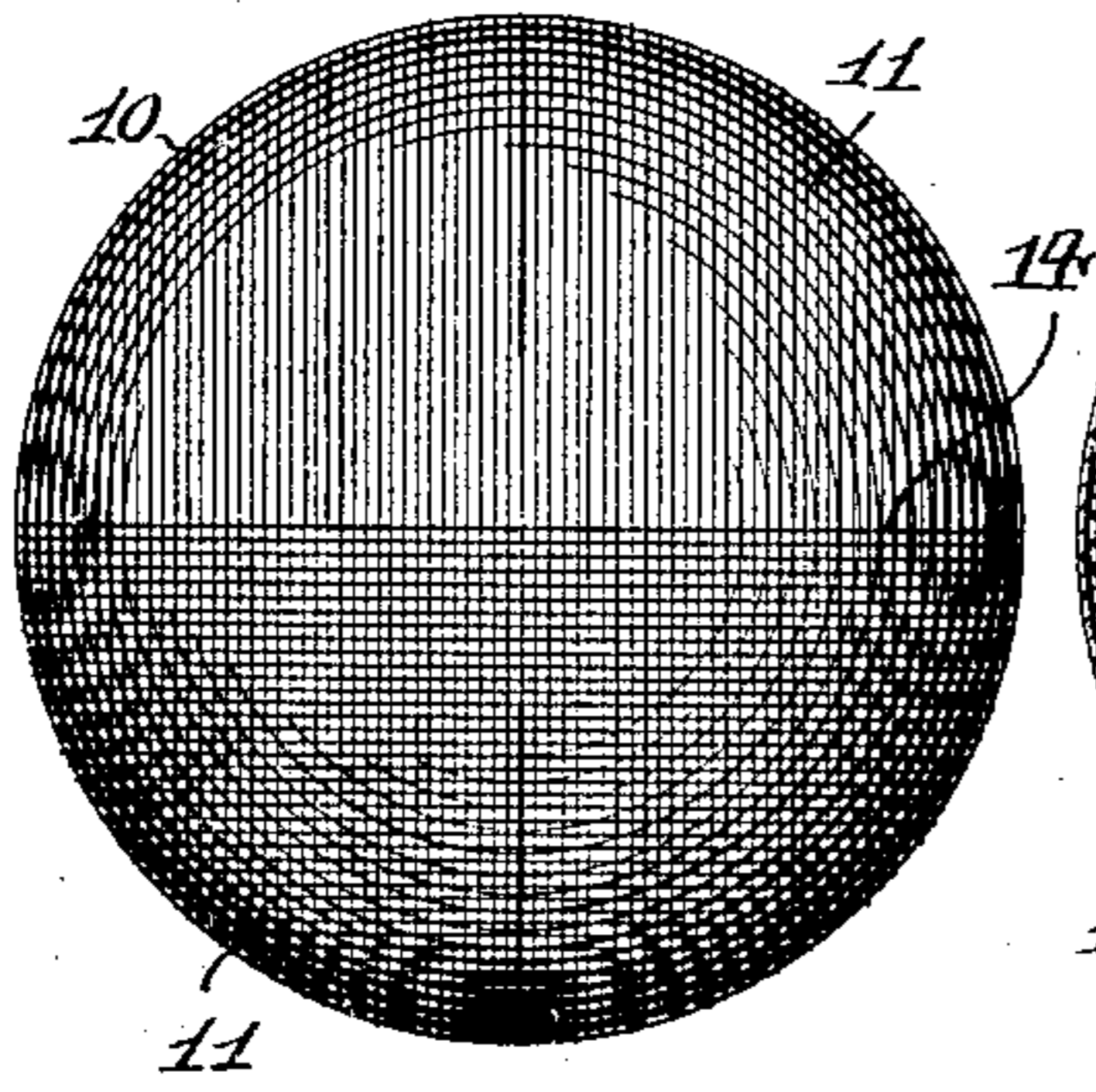


Fig. 2.

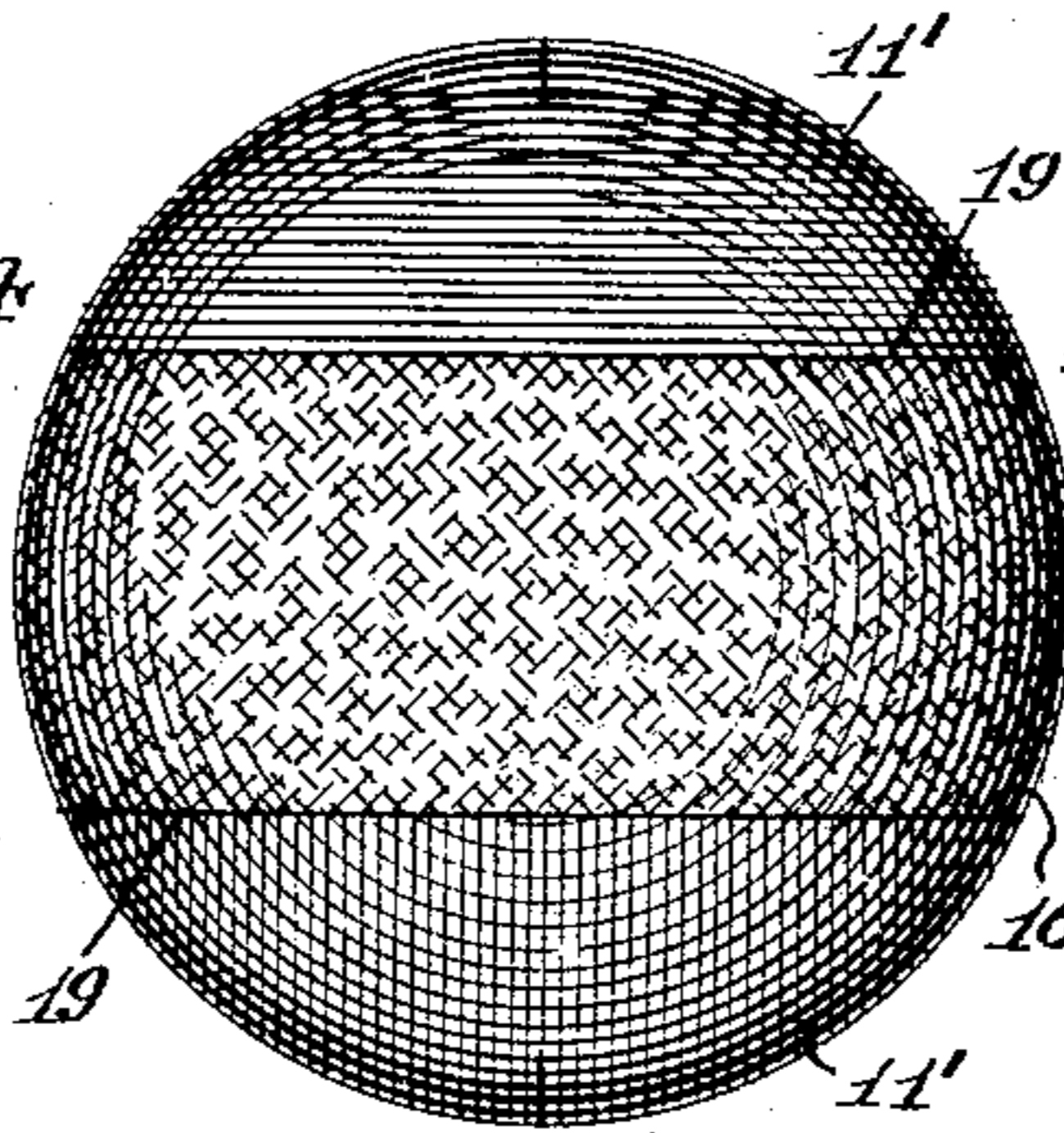


Fig. 3.

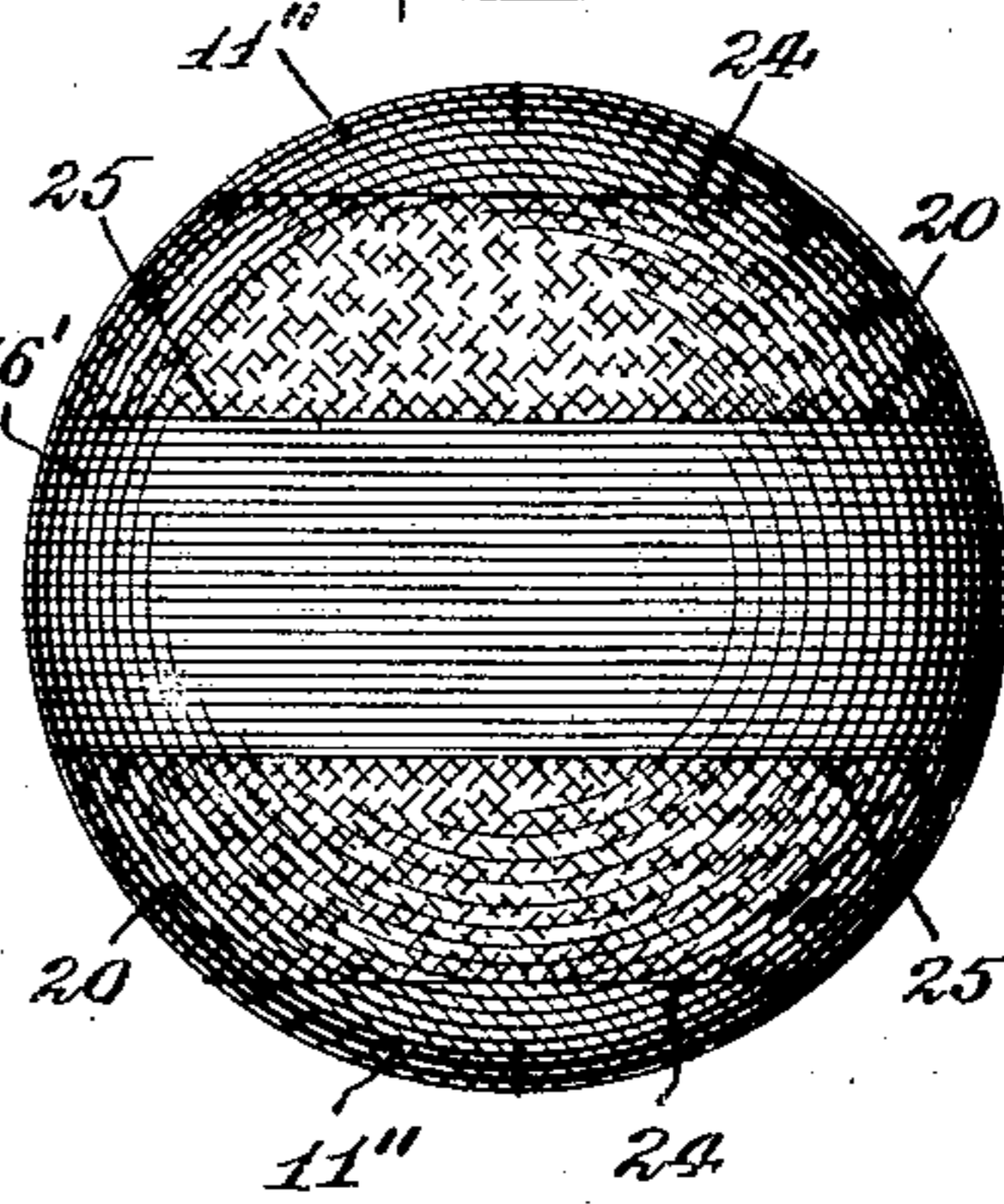


Fig. 4.

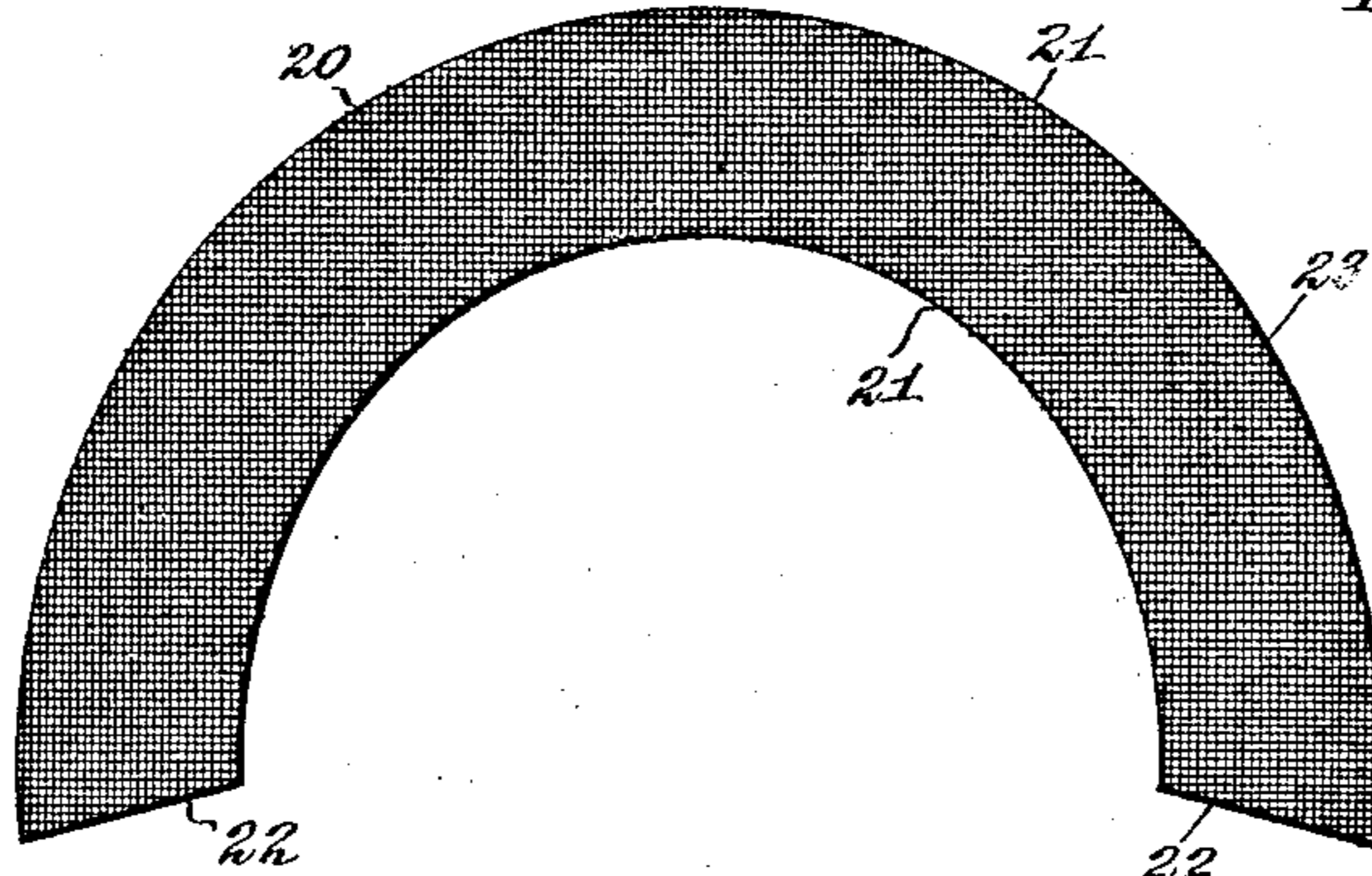


Fig. 5.

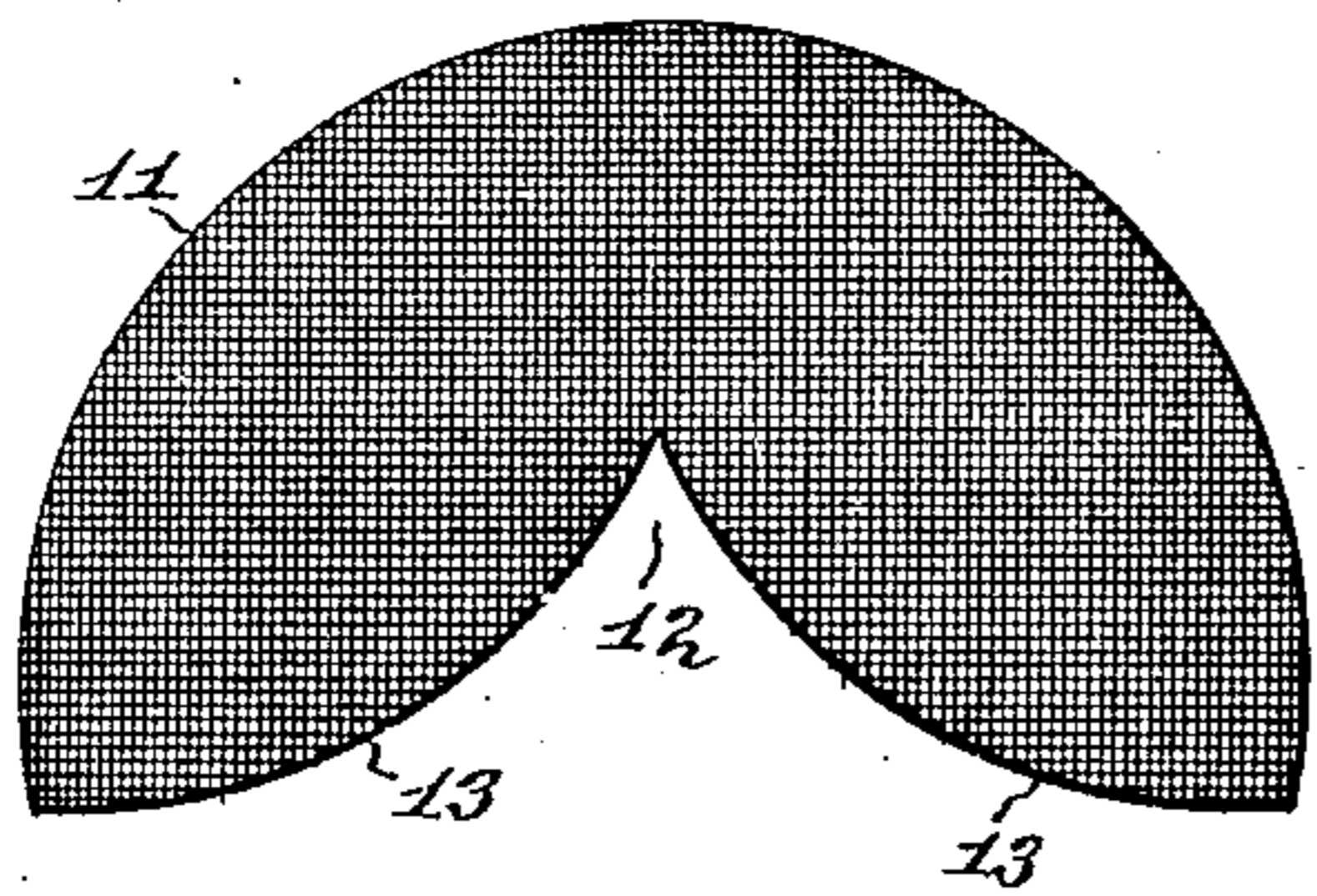


Fig. 7.

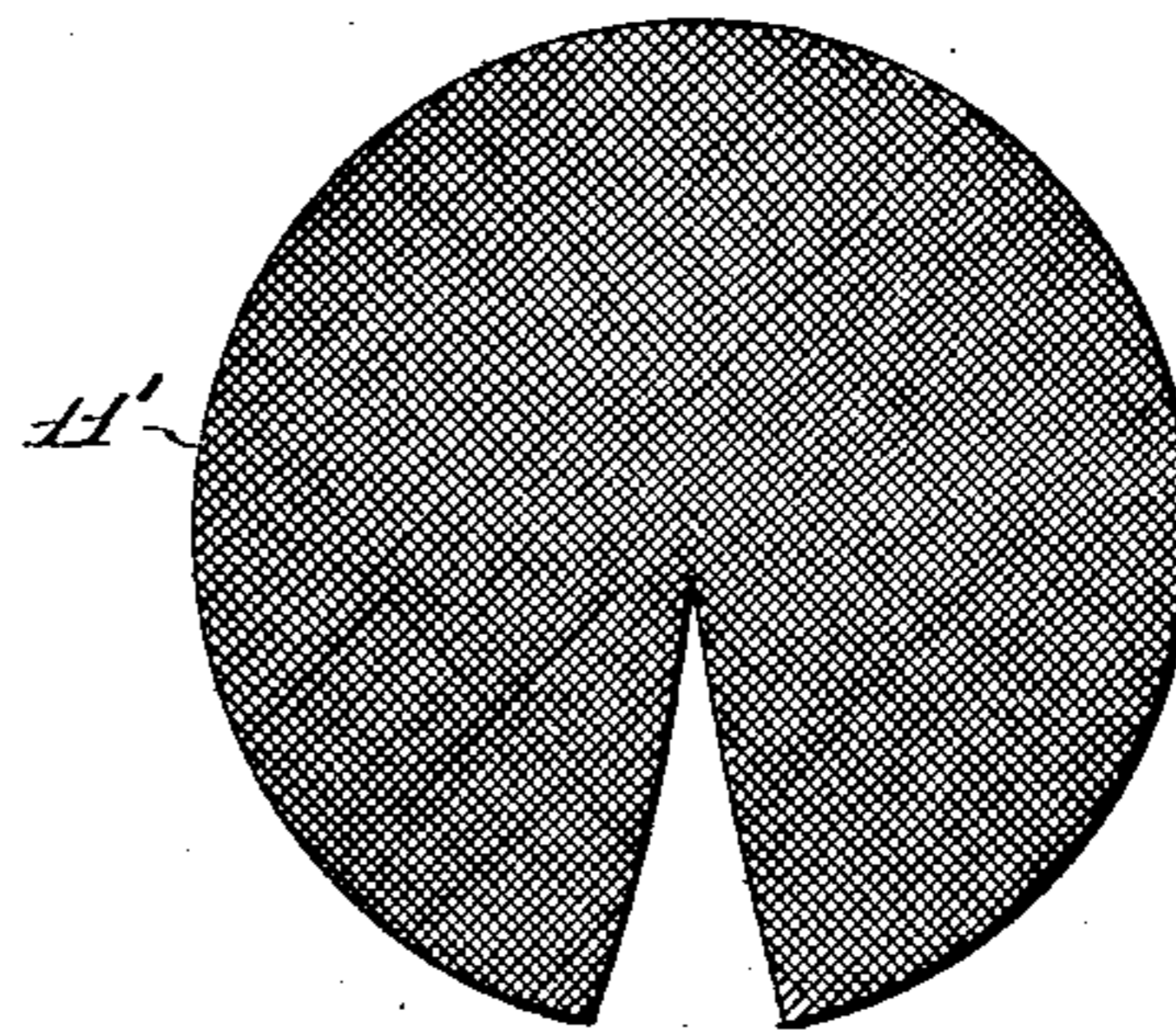
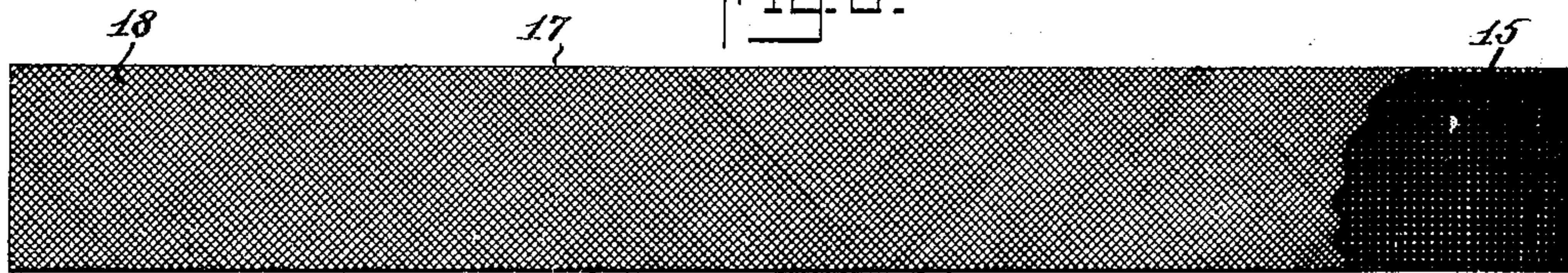


Fig. 6.



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Fig. 8.



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# UNITED STATES PATENT OFFICE.

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## PLAY-BALL COVERING.

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This invention relates to a covering for play balls, and has especial reference to a fabricated covering for play balls of different types, and particularly for inflatable play balls.

The principal object of the present invention is a covering for comparatively large play balls composed in accordance with a scheme, the practice of which, saves time and work, and therefore expense, in producing the covering.

Another object of the invention is the production of a covering for a play ball which is composed of particular zones, and formed of supplemental gores of suitable material such as rubberized fabric, so cut that when sewed together, the gores will form a perfect sphere presenting a novel and striking appearance.

The nature of the invention and its distinguishing features and advantages will appear when the following specification is read in connection with the accompanying drawing, in which—

Figure 1 is an elevation of a play ball having a two gore covering made in accordance with the present invention.

Fig. 2 is an elevation of a play ball having a three gore covering made in accordance with the present invention.

Fig. 3 is an elevation of a play ball having a five gore covering made in accordance with the present invention.

Fig. 4 is an elevation of an intermediate or zonal gore such as is used in producing a play ball covering having more than three gores.

Fig. 5 is an elevation of a segmental gore, such as is used in producing a play ball covering of two gores.

Fig. 6 is an elevation of an intermediate or zonal gore such as is used in coverings having more than two gores.

Fig. 7 is an elevation of a segmental gore such as is used in producing a play ball covering of three or more gores.

Fig. 8 is a detail sectional view illustrating the manner in which the gores are sewed or stitched together.

In accordance with the present invention, coverings for play balls may be diversely formulated, that is to say, coverings having two or more gores may be made, and some examples are illustrated in Figs. 1, 2 and 3. The coverings are advantageously produced

from rubberized fabric in the form of gores each of which may have a distinctive color so that when the gores are sewed together they will form a perfect sphere having zones of color to present a striking appearance.

In Fig. 1 there is shown a play ball having a covering 10 composed of two gores 11 which are similar, each consisting of a single piece of material, such as rubberized fabric, cut circular, and a sector being removed therefrom, as at 12, Fig. 5. It is to be noted that in removing a portion in the form of a sector from the gore 11, the gore is cut along curved lines 13, which meet at a point to one side of the center of the circular gore 11. Each circular gore 11 is sewed or stitched along the margins of the lines 13 to bring adjacent portions of the gore 11 together, which will form a semi-spherical gore, or segment of a sphere. The two semi-spherical gores so formed are sewed or stitched together as at 14. It is to be noted, on reference to Fig. 5, that the fabric warp and woof threads are disposed on a bias with respect to the circular edge of each gore 11 so that the material from which each gore is formed will lie smoothly and conform properly to the spherical shape to be obtained. The fabric from which each gore 11 is made is coated or has a layer of rubber 15 of a distinctive color. Thus it will be apparent that as shown in Fig. 1 the ball covering 10 will present zones which are particolored.

Where more than two gores are used for producing a covering, the covering will include gores 11' similar to the gores 11, but smaller according to the size of the ball, and an intermediate or zonal gore, such as the one shown at 16 in Fig. 6, will also be used. The gore 16 will be produced from a single piece of rubberized fabric and the opposite side edges 17 will be parallel with respect to each other. The threads of the fabric will be on a bias with respect to the side edges 17, as indicated at 18. The gore 16 will be sewed between gores 11', as at 19. The gore 16, like the gores 11', will be distinctively colored. The gores 11' and 16 when sewed together will form a covering presenting a striking diversity of zones of color.

To produce a covering having more than three gores an intermediate or zonal gore such as the one 20 shown in Fig. 4 is used. The gore 20 is produced from a single piece of rubberized fabric and is cut to form an

arc of a perfect circle of proper length and width. The opposite side edges 21 are parallel with respect to each other, while the edges 22 are cut radially. The threads of the fabric are disposed on the bias as indicated at 23. Referring now to Fig. 3 it will be apparent that use is made of two gores 11'', two gores 20, and a gore 16'. Each gore 11'' is sewed to form a segment of a sphere, the gore 20 has the edges 22 thereof sewed together to form a zone of a sphere, and the gore 16' has the opposite end edges thereof sewed together to form a zone of a sphere. The gores 20 are sewed respectively to the gores 11'' as at 24, and the gore 16' is sewed between the gores 20 as at 25. Each of the gores 11'', 16' and 20 is distinctively colored

so as to present zones of different colors, thus giving a novel particolored appearance.

I claim:

1. A play ball covering comprising two segmental gores, and a zonal gore connected between said segmental gores.

2. A play ball covering composed of gores sewed together and consisting of two segmental gores, and one or more intermediate zonal gores.

3. A play ball covering composed of particolor zones, and formed of supplemental fabric gores so cut that when sewed together will form a perfect sphere, and the threads of each gore on a bias to the meeting edges of the gores.

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