

No. 786,986.

PATENTED APR. 11, 1905.

J. O'MEARA.
BOOT OR SHOE HEEL.
APPLICATION FILED JUNE 7, 1904.

2 SHEETS—SHEET 1.

Fig. 1.

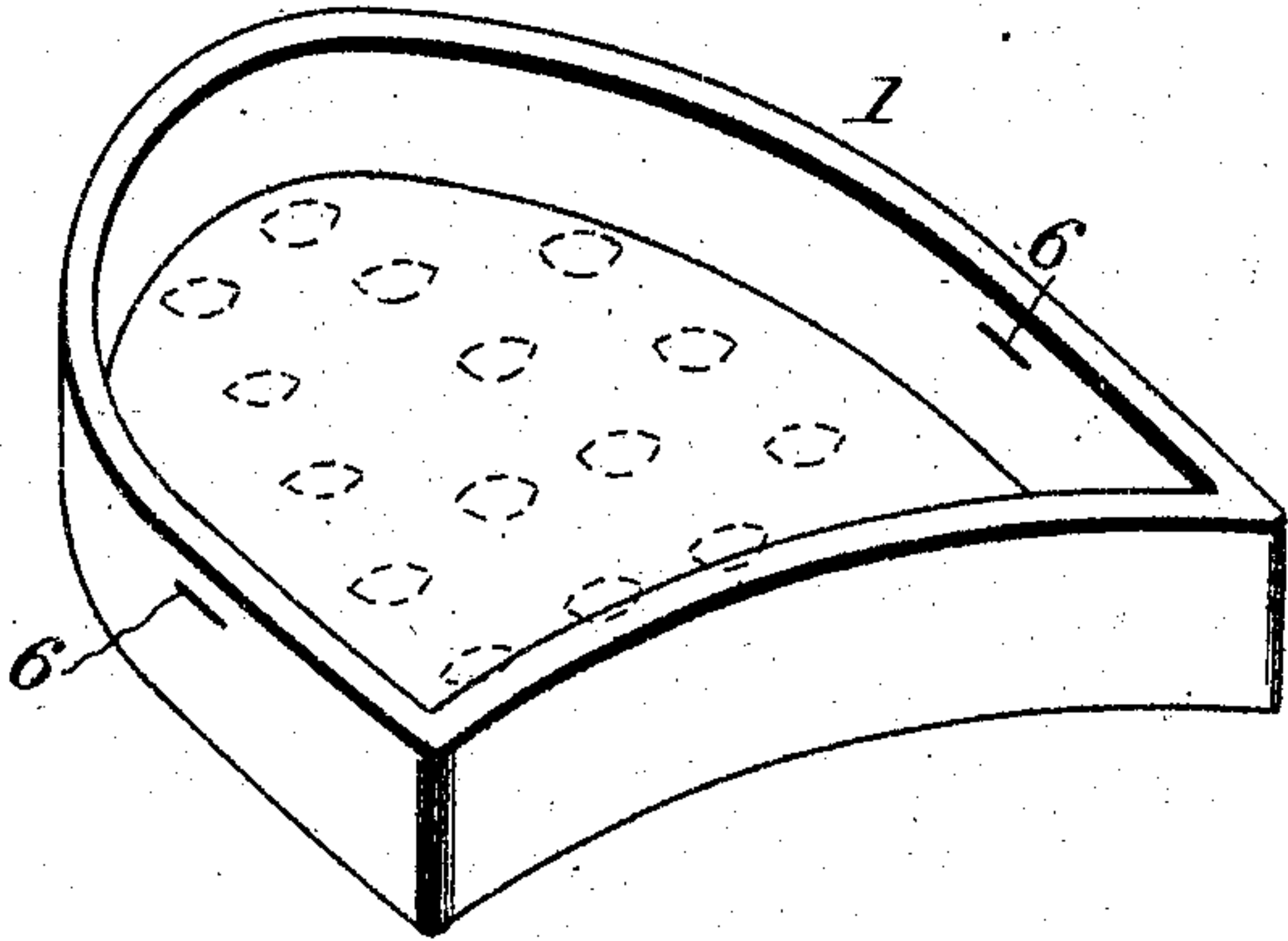


Fig. 4.

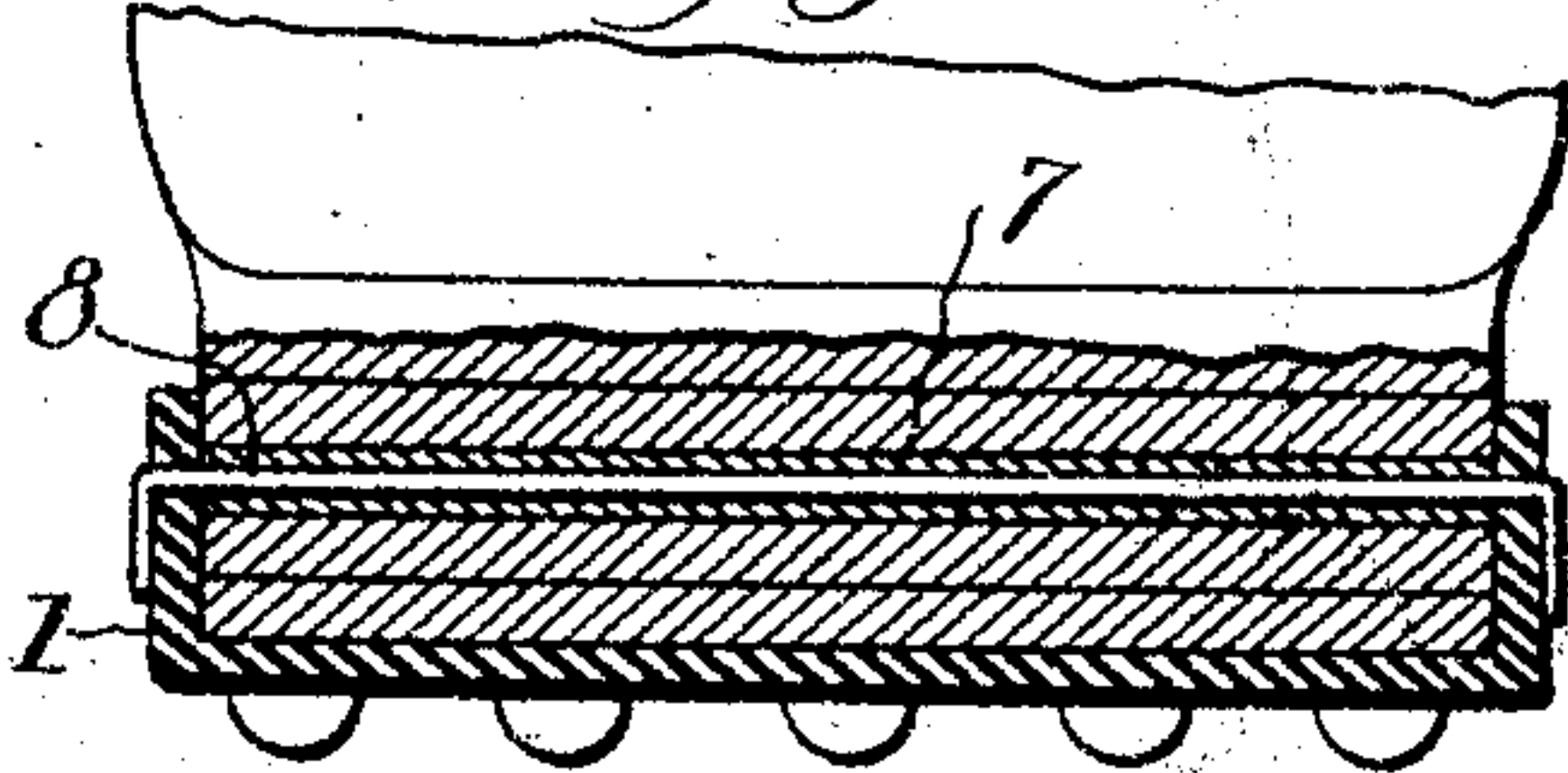


Fig. 5.

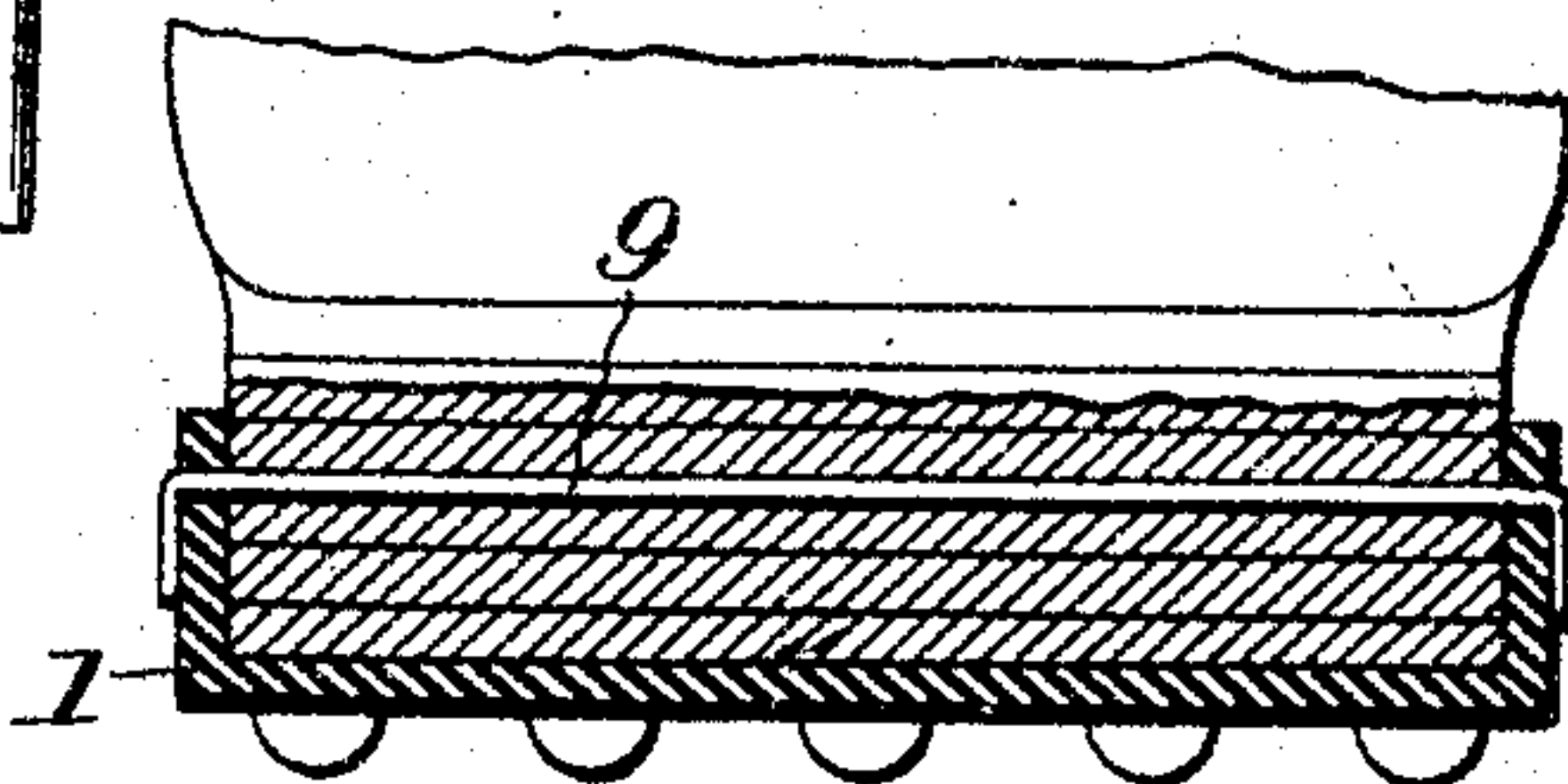


Fig. 6.

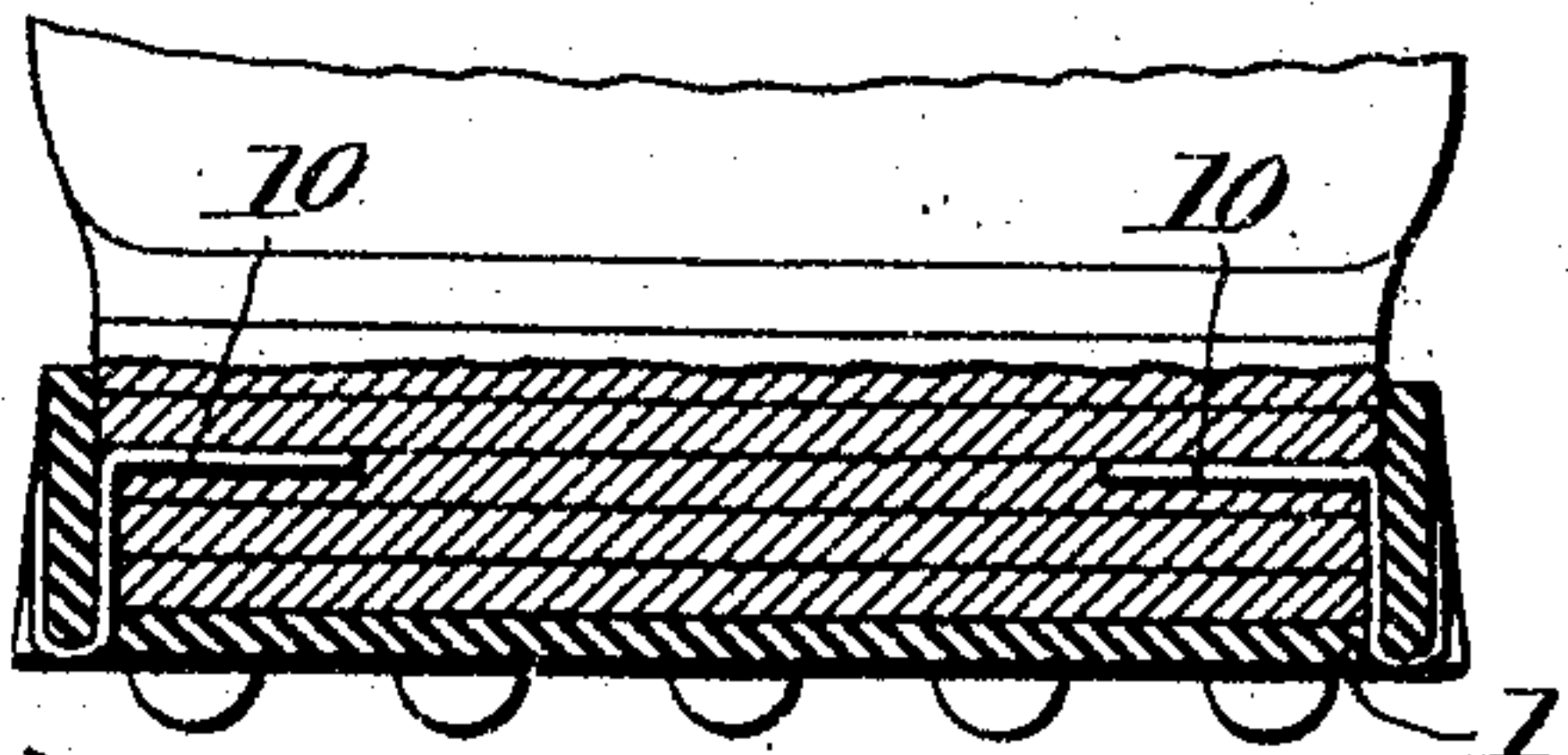


Fig. 7.

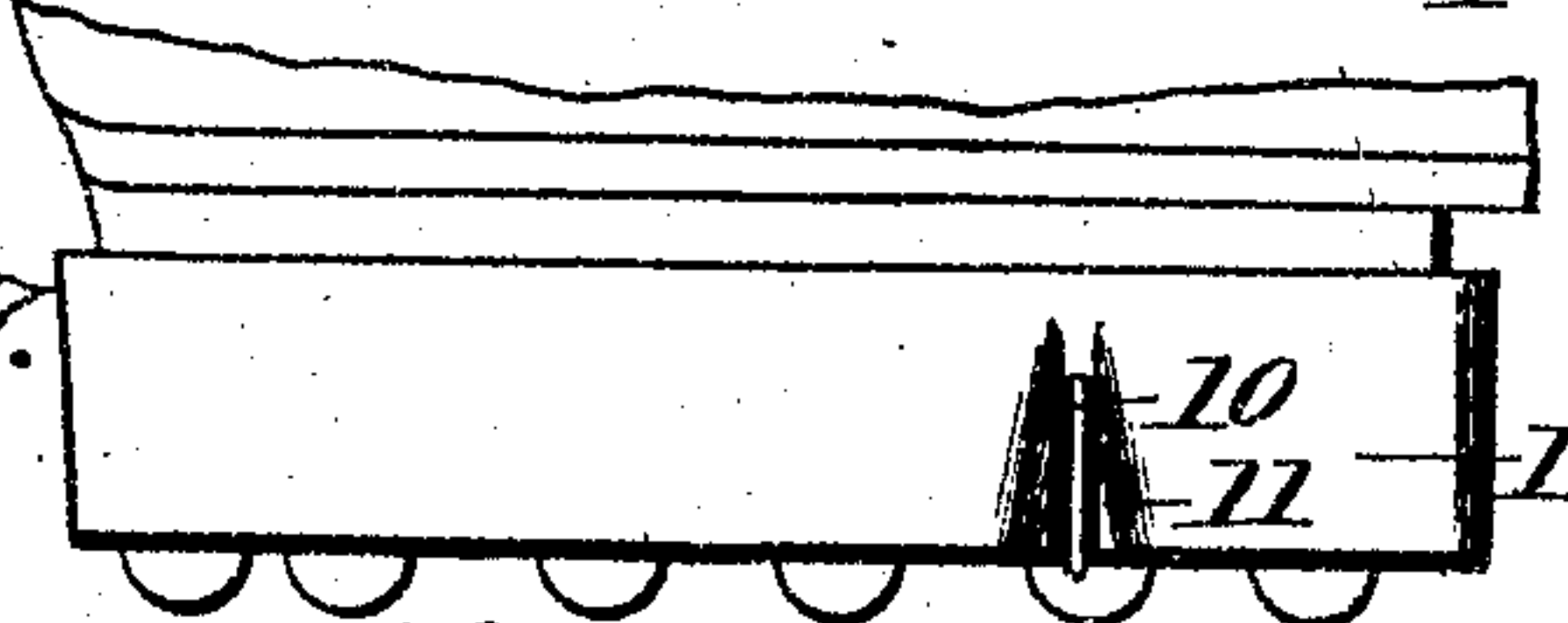


Fig. 8.

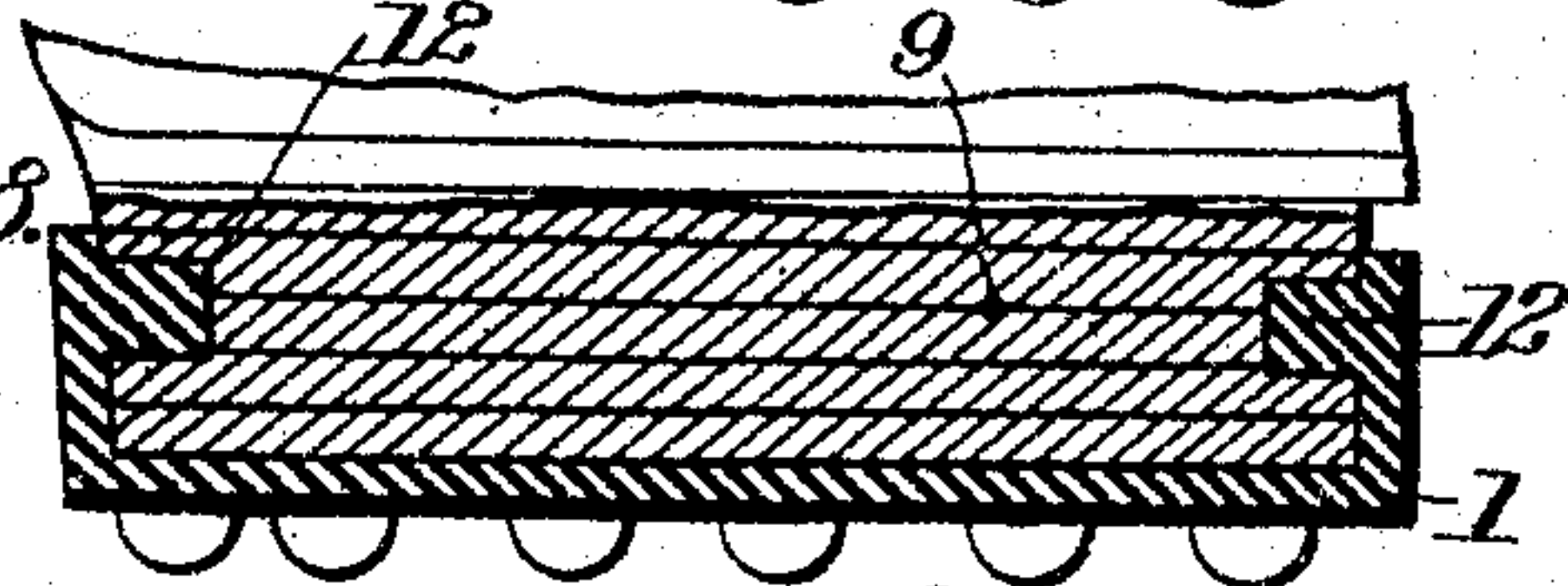


Fig. 9.

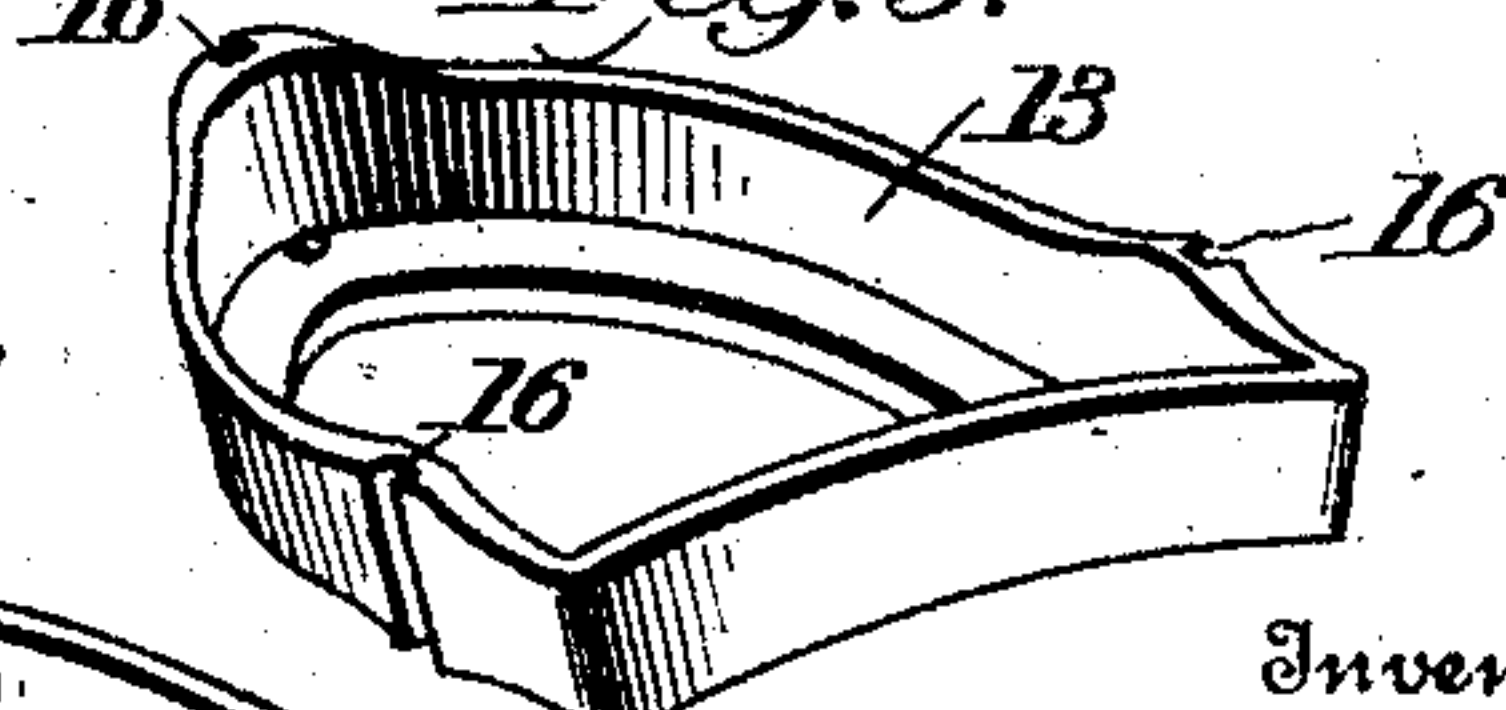


Fig. 2.

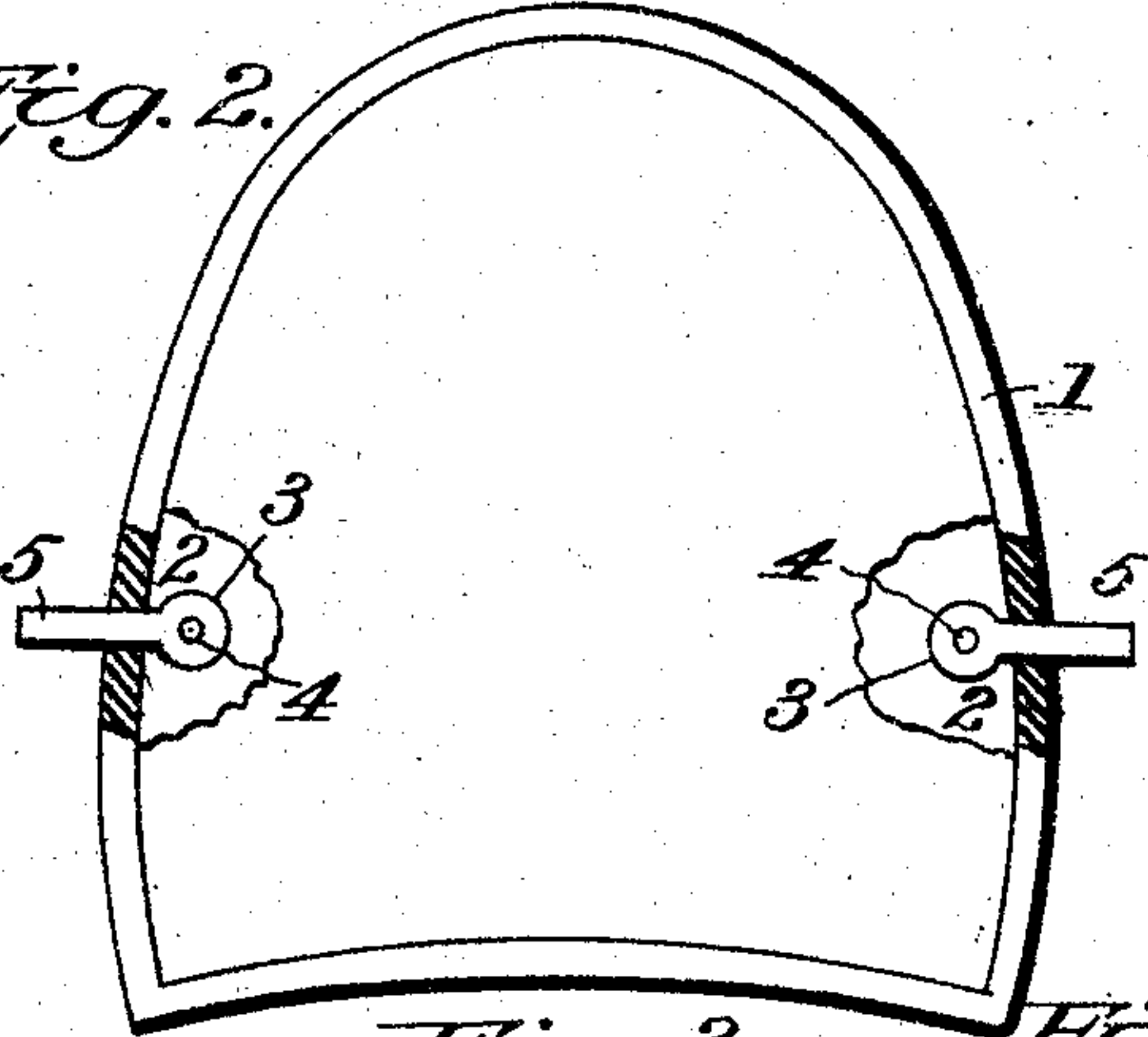


Fig. 3.

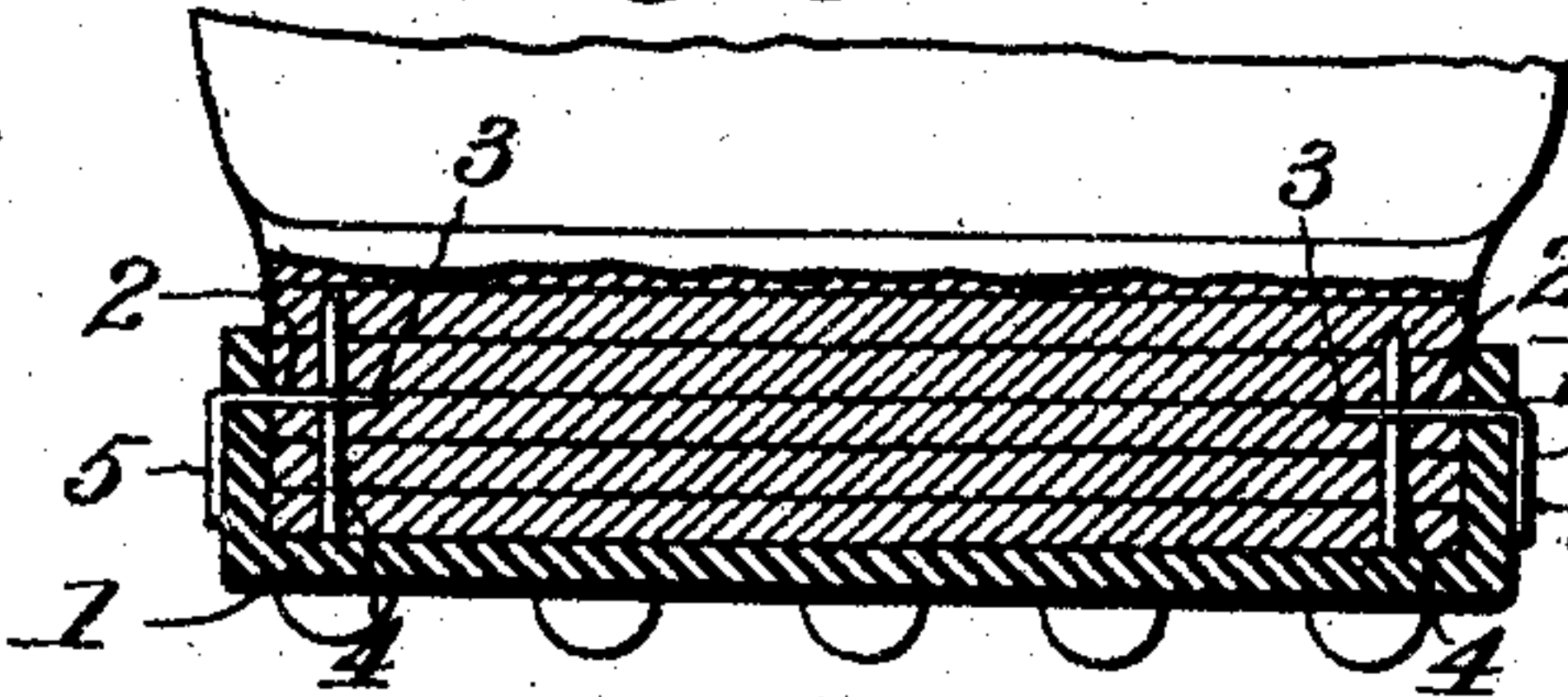


Fig. 10.

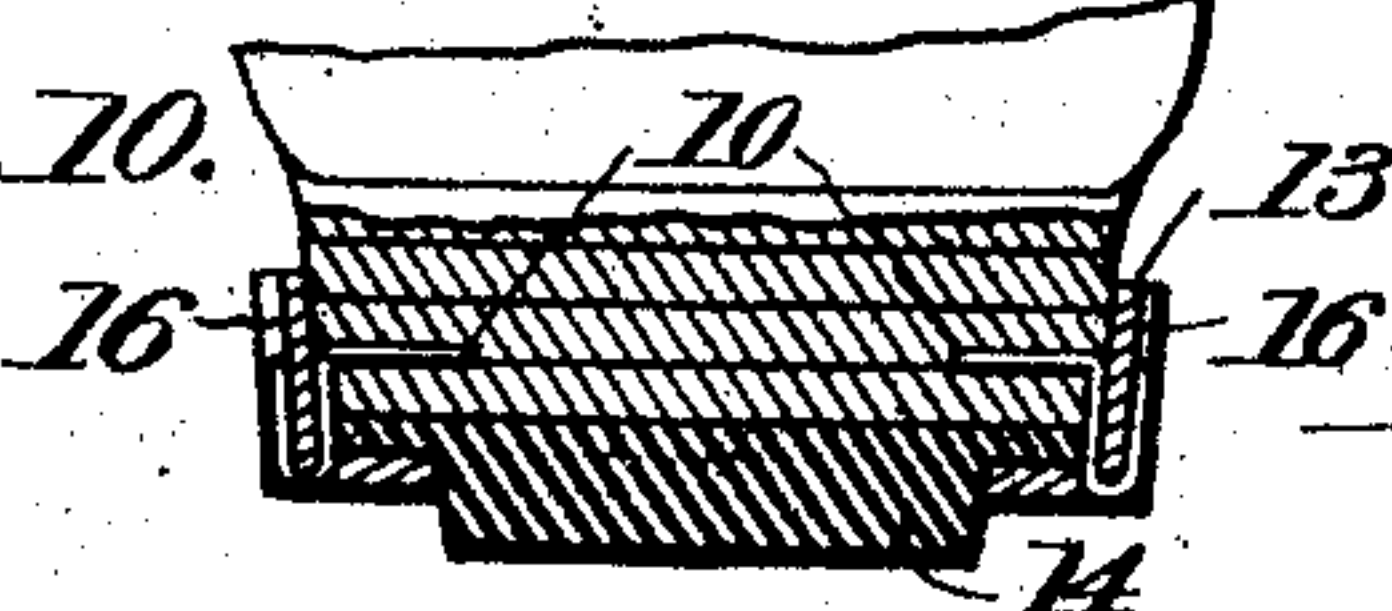
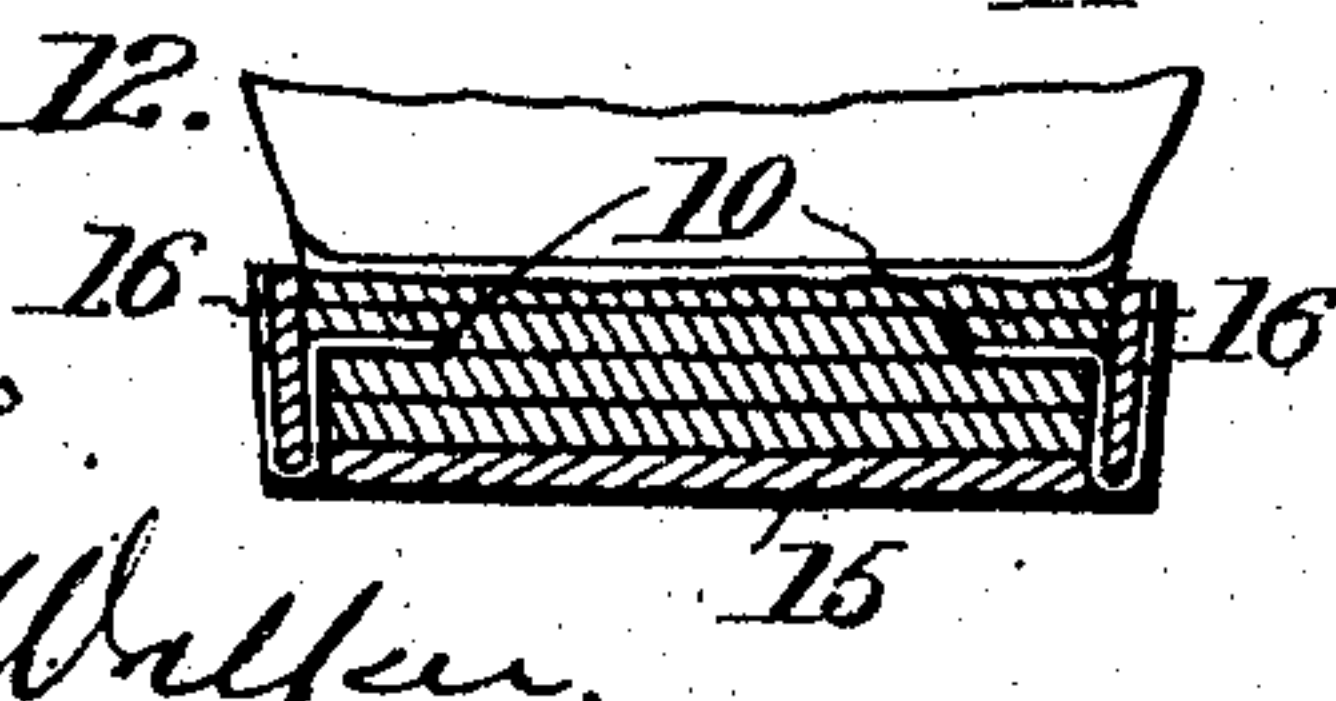


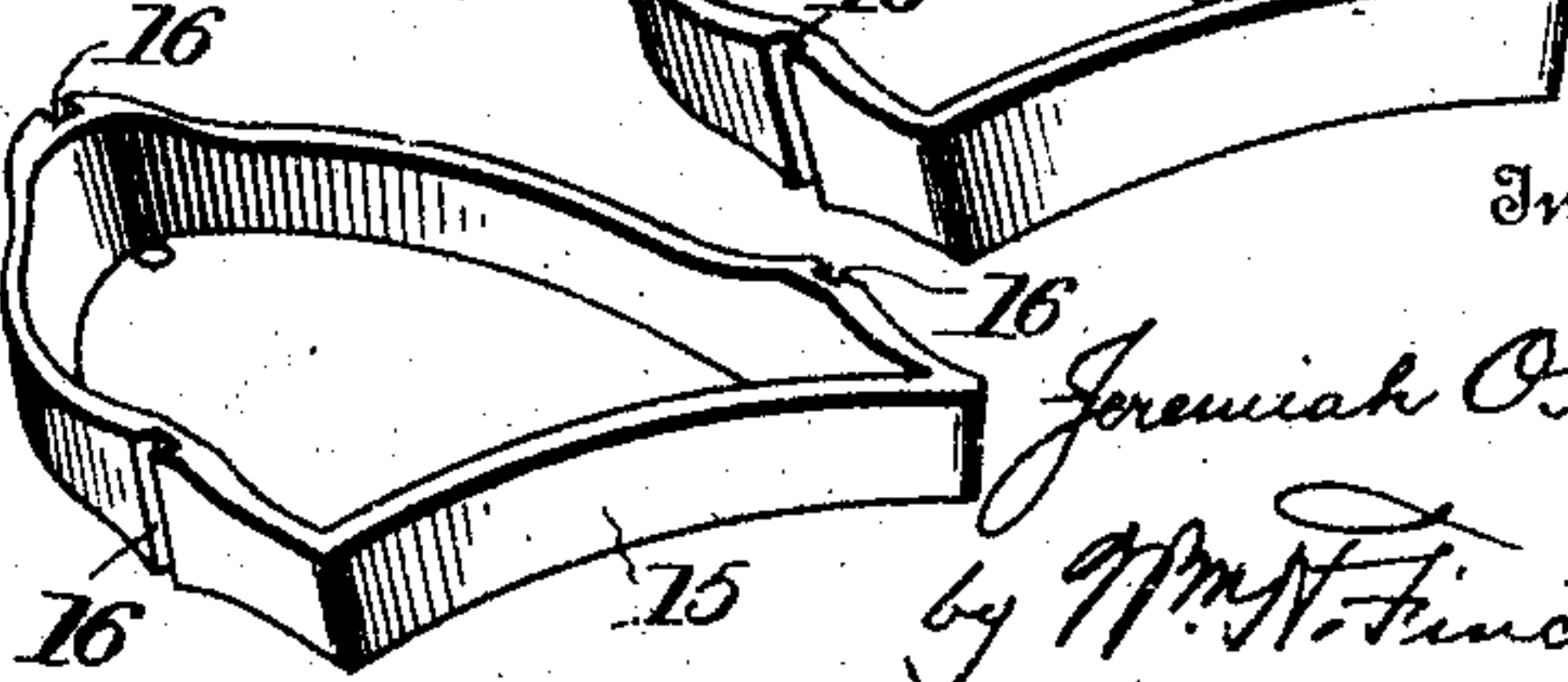
Fig. 12.



Witnesses

C. H. Walker,
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Fig. 11.



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2 SHEETS—SHEET 2.

Fig. 13.

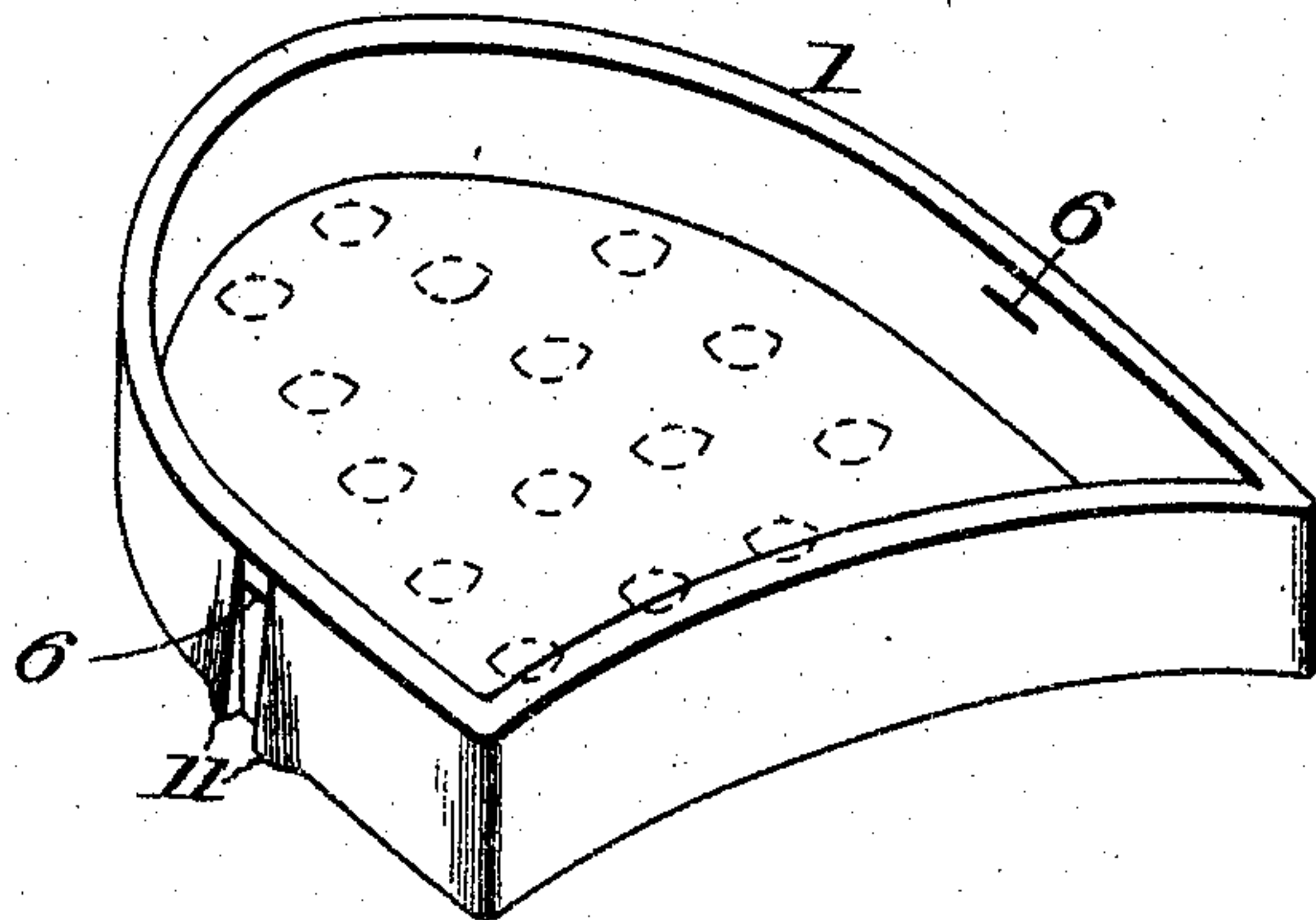


Fig. 14.

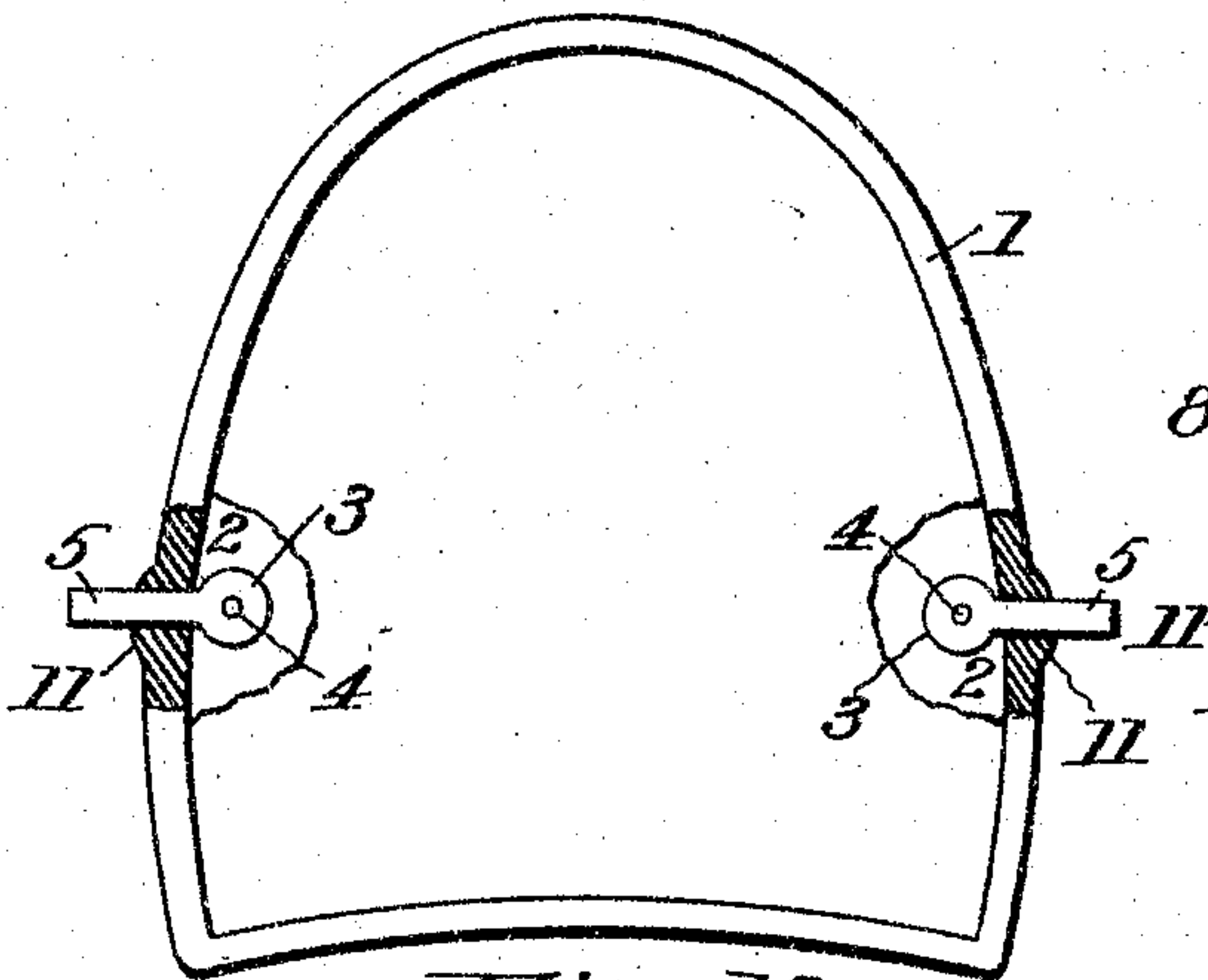


Fig. 16.

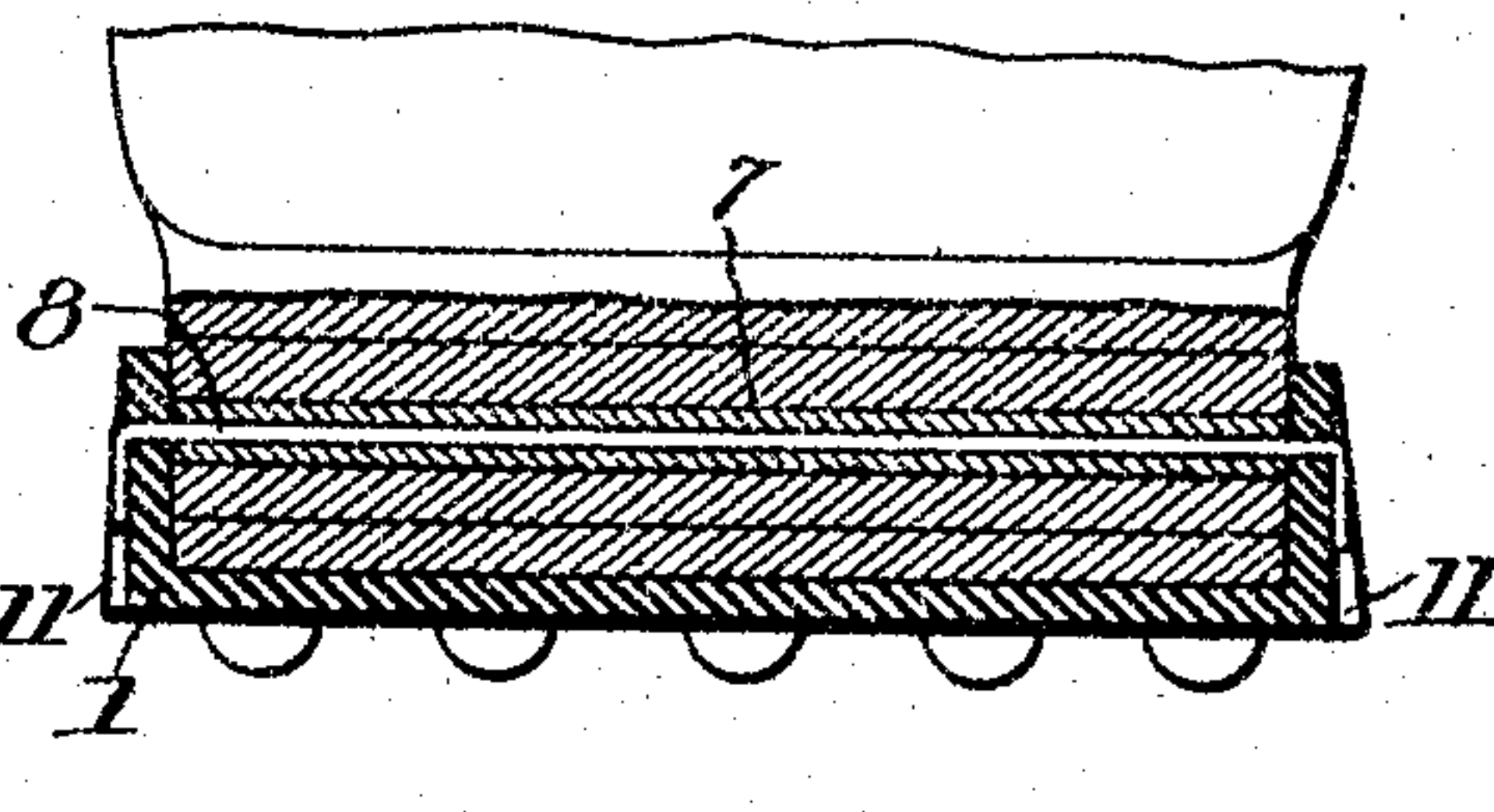


Fig. 15.

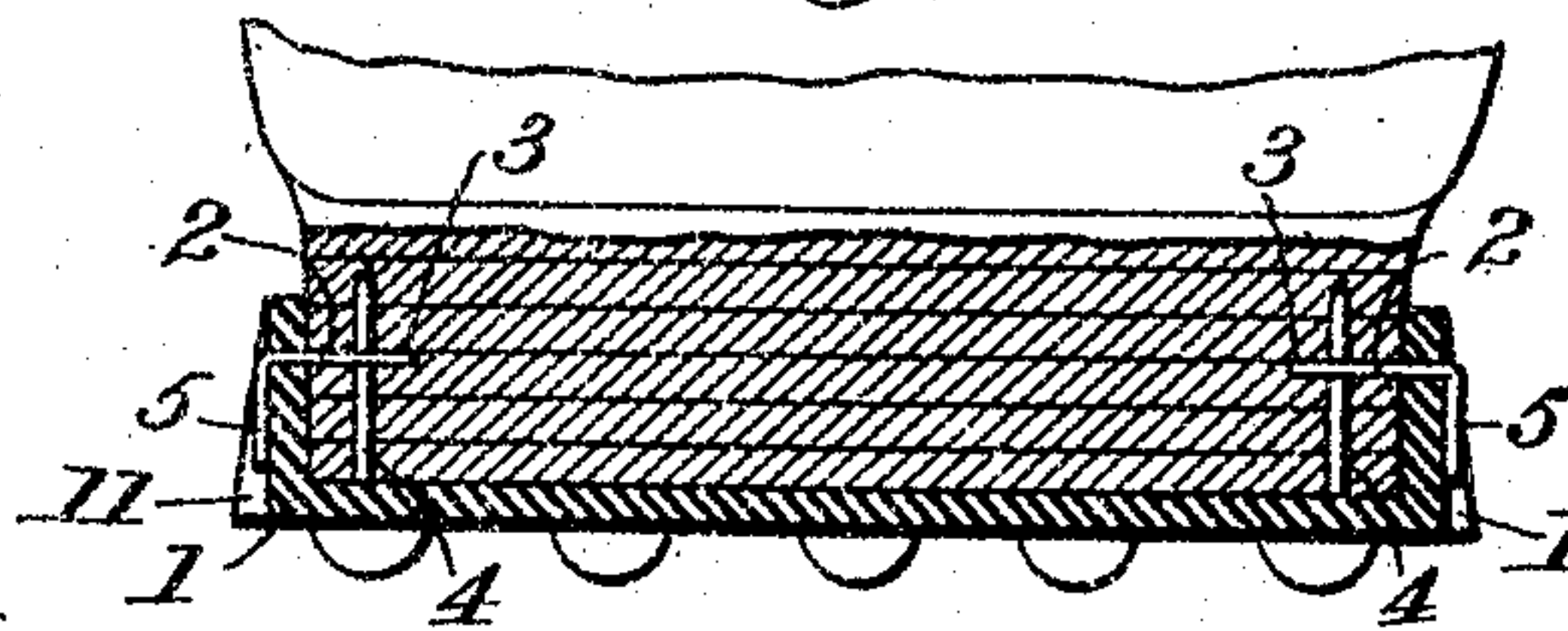
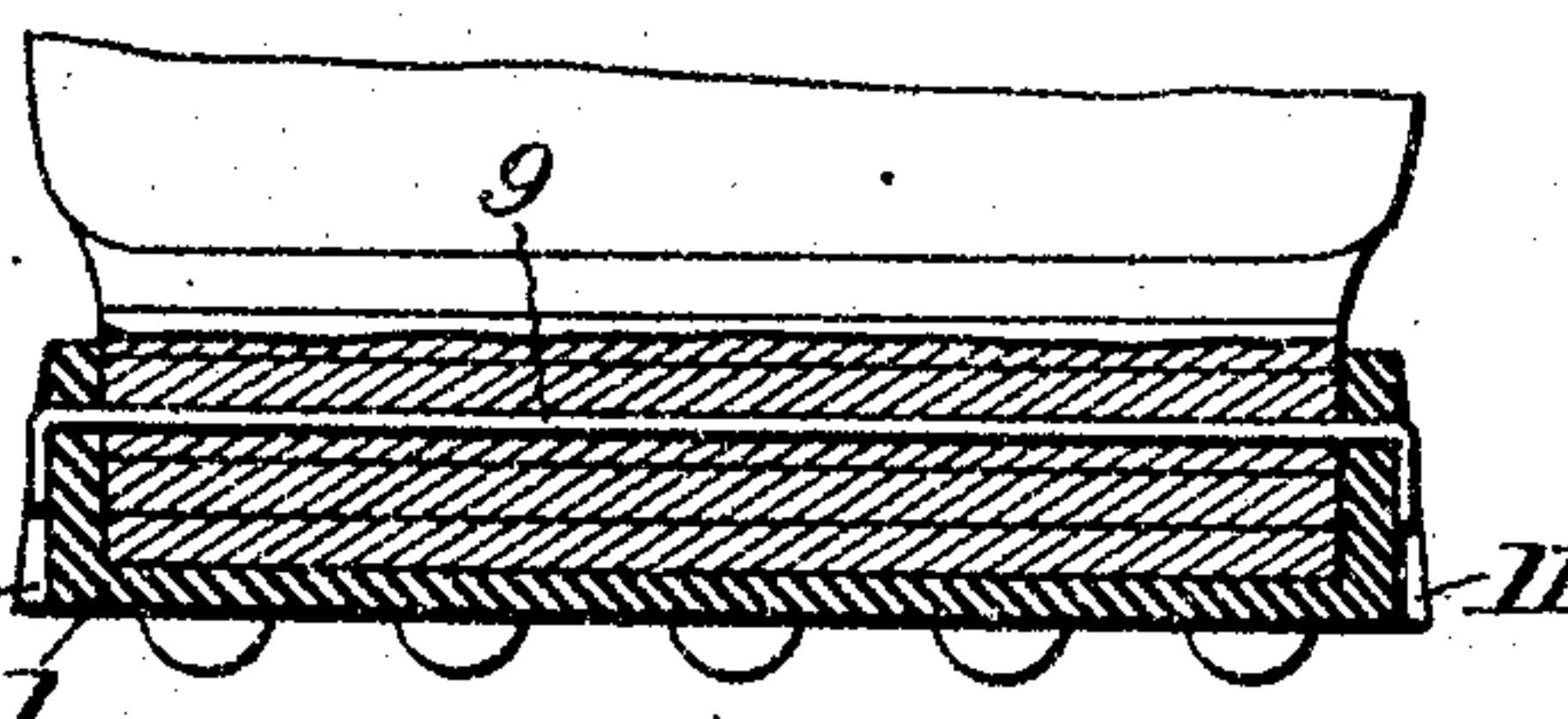


Fig. 17.



Witnesses:

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UNITED STATES PATENT OFFICE.

JEREMIAH O'MEARA, OF NEW YORK, N. Y.

BOOT OR SHOE HEEL.

SPECIFICATION forming part of Letters Patent No. 786,986, dated April 11, 1905.

Application filed June 7, 1904. Serial No. 211,493.

To all whom it may concern:

Be it known that I, JEREMIAH O'MEARA, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a certain new and useful Improvement in Boot or Shoe Heels, of which the following is a full, clear, and exact description.

The object of this invention is to provide a detachable heel for boots and shoes that may be readily applied to the ordinary heel of a boot or shoe in accordance with the requirements of the weather.

In the preferred construction the heel comprises a hollow rubber heel-tap that may be slipped over the ordinary boot or shoe heel and metallic fastenings arranged in the ordinary heel and capable of engagement with the tap to hold it temporarily or detachably upon the ordinary heel for the purpose of giving the wearer a better foothold on slippery walks.

Instead of rubber I may use metal or compositions suitable to prevent slipping or to increase the wearing capacity of the ordinary heel.

In the accompanying drawings, illustrating the invention, in the several figures of which like parts are similarly designated, Figure 1 is a perspective view of the hollow rubber heel-tap. Fig. 2 is a top plan view showing this tap applied to an ordinary heel, the latter being broken out to show the fastenings. Fig. 3 is a vertical cross-section of Fig. 2 in the plane of the fastenings. Figs. 4, 5, and 6 are vertical cross-sections of three several modified forms of fastenings. Fig. 7 is a side elevation showing a grooved or recessed lug on the tap to receive the projecting end of the fastening. Fig. 8 is a longitudinal section showing auxiliary fastening-lugs integral with the tap. Fig. 9 is a perspective view of a combined metal and rubber tap, and Fig. 10 is a vertical cross-section showing the tap of Fig. 9 applied to an ordinary heel. Fig. 11 is a perspective view of an all-metal tap, and Fig. 12 is a vertical cross-section of the tap of Fig. 11 applied to an ordinary heel. Figs. 13, 14, 15, 16, and 17 are respectively views like Figs. 1, 2, 3, 4, and 5, with the grooved lugs added.

The tap 1 may be of rubber, composition, or other plastic matter capable of being molded and comprises a bottom, preferably having its outer face roughened or provided with lugs, and a peripheral upstanding flange of the contour of an ordinary heel and of substantially uniform height and adapted to embrace the breast, sides, and back of the heel. As thus constructed and as shown in detail in Fig. 1, the tap is hollow and is adapted to be fitted frictionally to an ordinary boot or shoe heel, and it may be secured to the heel by a variety of fastenings, some of which will be described now.

In Figs. 2 and 3 are shown metal fastenings 2, having eye portions 3 let into the sides of the ordinary heel and secured therein by pins 4, Fig. 3, driven up through the heel and eye. These fastenings have outwardly-extending tangs 5, which project through slits 6 in the upstanding flange of the tap, as in Fig. 2, and are turned down against the outside of said flange, as in Fig. 3. The fastenings are of flexible metal, so that their tangs are capable of being repeatedly bent and straightened out for frequent application and removal of the tap, as desired. The tap being more or less elastic or flexible may be readily slipped over the tangs.

In Fig. 4 the ordinary heel has permanently embedded in it transversely a small metal tube 7, open at both sides of the heel, and through this tube and the flange of the tap is passed a wire 8, having its ends bent down against the flange; but, as shown in Fig. 5, the tube may be omitted and the wire 9 alone used, a hole being made through the heel for it.

As shown in Figs. 6 and 7, separate wires 10 may be driven into the sides of the heel and their free ends passed down through the bottom of the tap and then turned up on the outside of the flange. In this or in any case the flange may have grooved lugs 11 to receive the ends of the fastenings.

As shown in Fig. 8, the tap may be made with integral lugs 12 at front and back to enter holes in the heel and serve as auxiliary fastenings.

The tap may consist of a flanged metal frame 13, Figs. 9 and 10, having a hole in its bottom

in which is arranged a rubber or equivalent filling 14. This sort of tap may be secured to the heel by any of the fastenings described; but I have used in Fig. 10 the form of fastening shown in Figs. 6 and 7, and the same is true of the solid metallic tap 15 shown in Figs. 11 and 12. In these two forms of metallic taps are fastening-receiving grooves 16 similar to those shown in Figs. 6, 7, 13, 14, 15, 16, and 17.

The invention is susceptible of other variations within its principle of a flanged tap and a detachable fastening therefor.

What I claim is—

1. A boot or shoe heel tap comprising a bottom, and a peripheral upstanding flange of the contour of an ordinary heel and adapted to be fitted frictionally to a heel and having perforations, combined with fastenings embedded in the heel and extending through the

perforations in the tap and bent over upon the upstanding flange thereof.

2. The combination of a tap having a peripheral upstanding flange, and fastenings having eyes by which they may be secured in a heel and also having tangs to engage the upstanding flange.

3. The combination of a tap having a peripheral upstanding flange, provided with external grooves and adapted to be applied to an ordinary boot or shoe heel, and fastenings adapted to be secured in the heel and to pass through the tap and be bent over into the grooves upon the tap.

In testimony whereof I have hereunto set my hand this 4th day of June, A. D. 1904.

JEREMIAH O'MEARA.

Witnesses:

WALTER L. CLARK,
GEO. W. M. CLARK.