

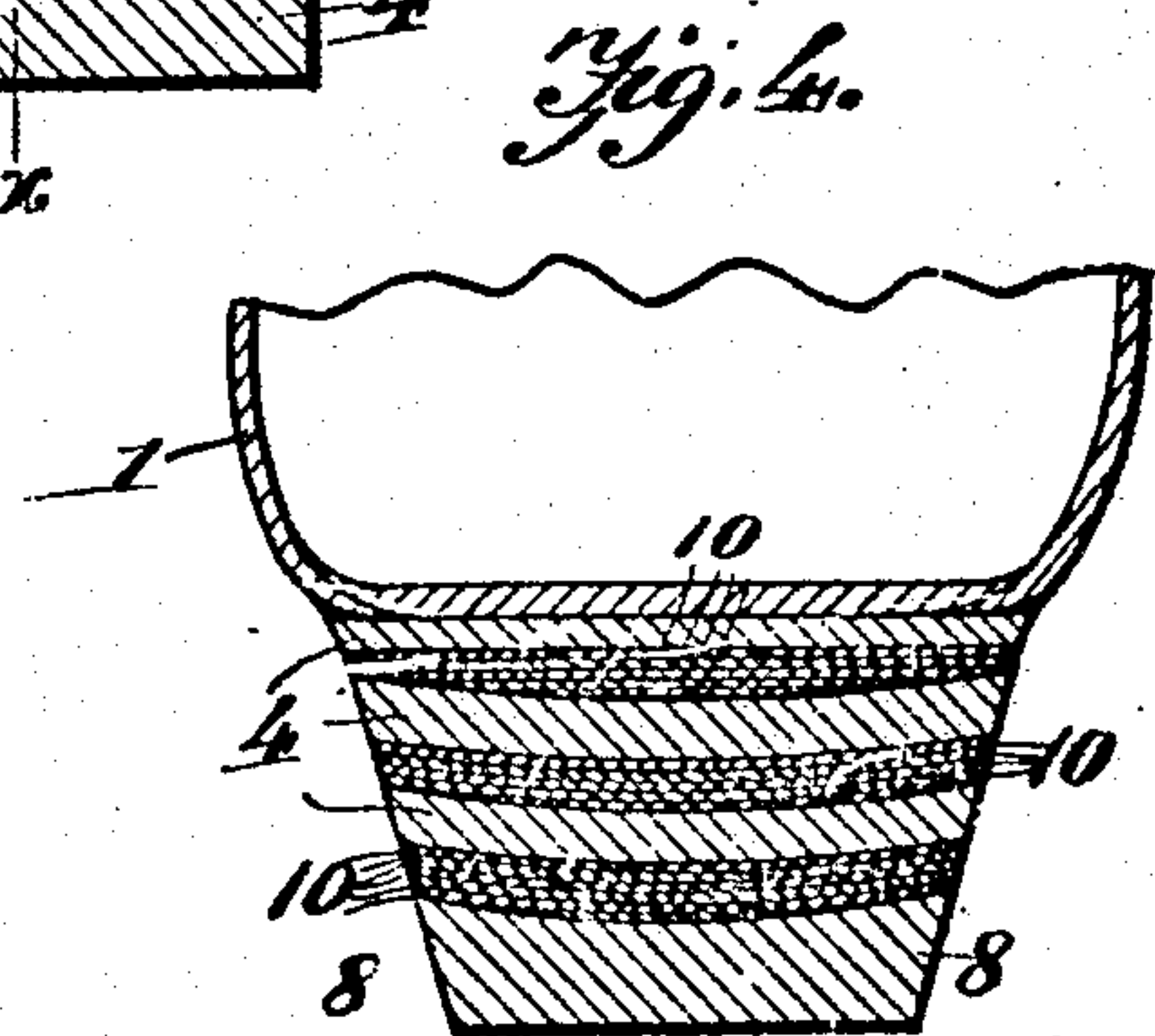
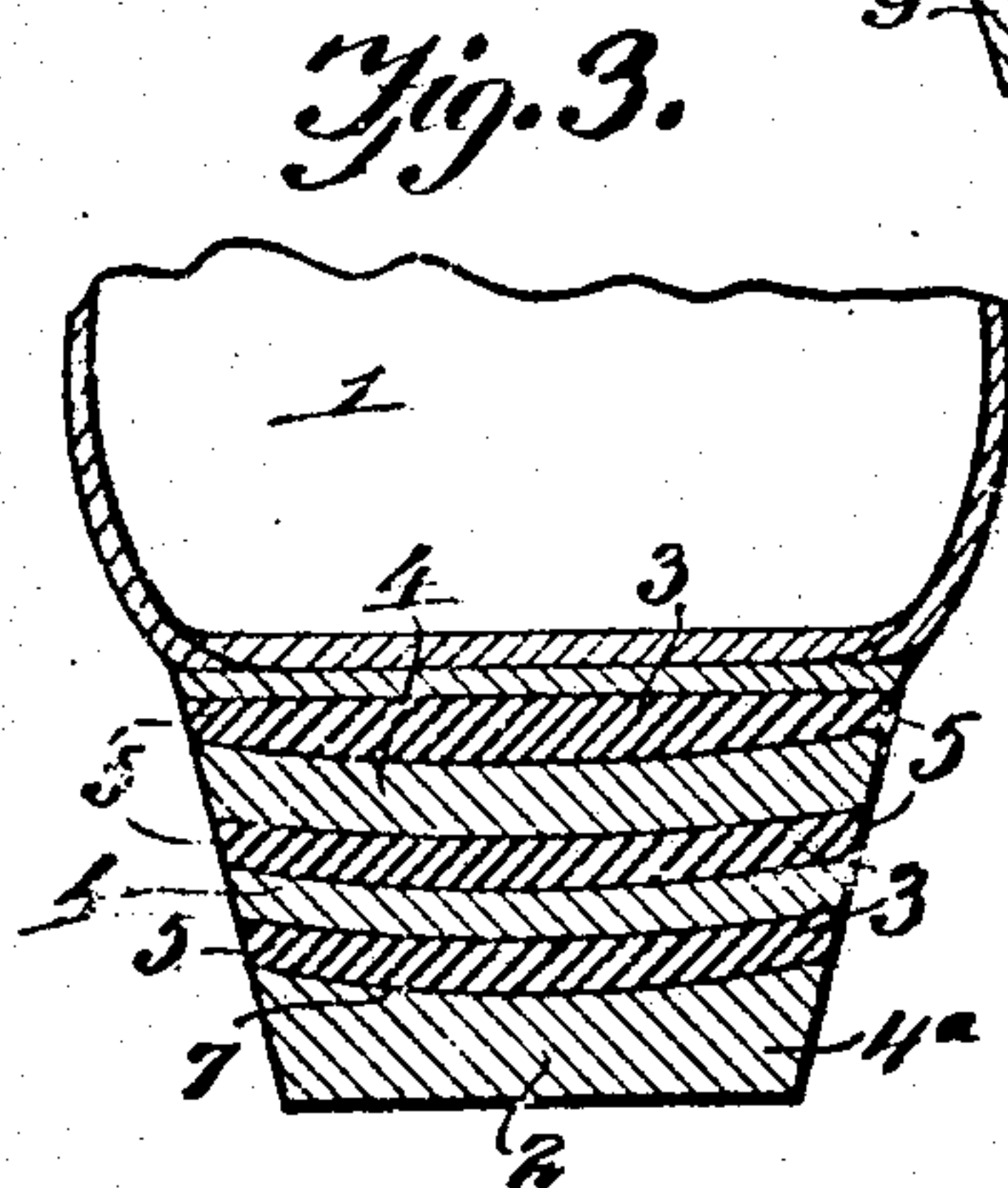
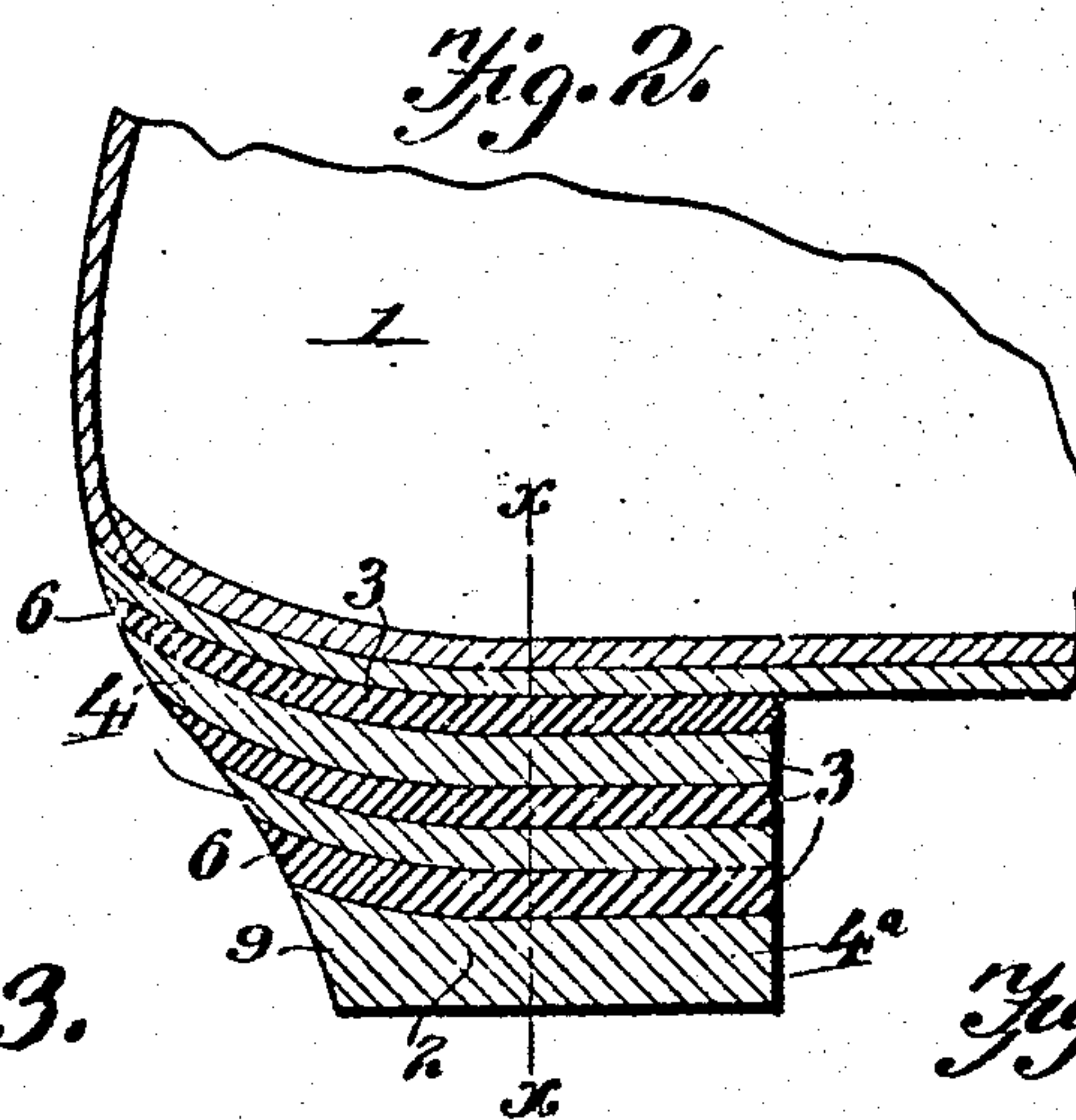
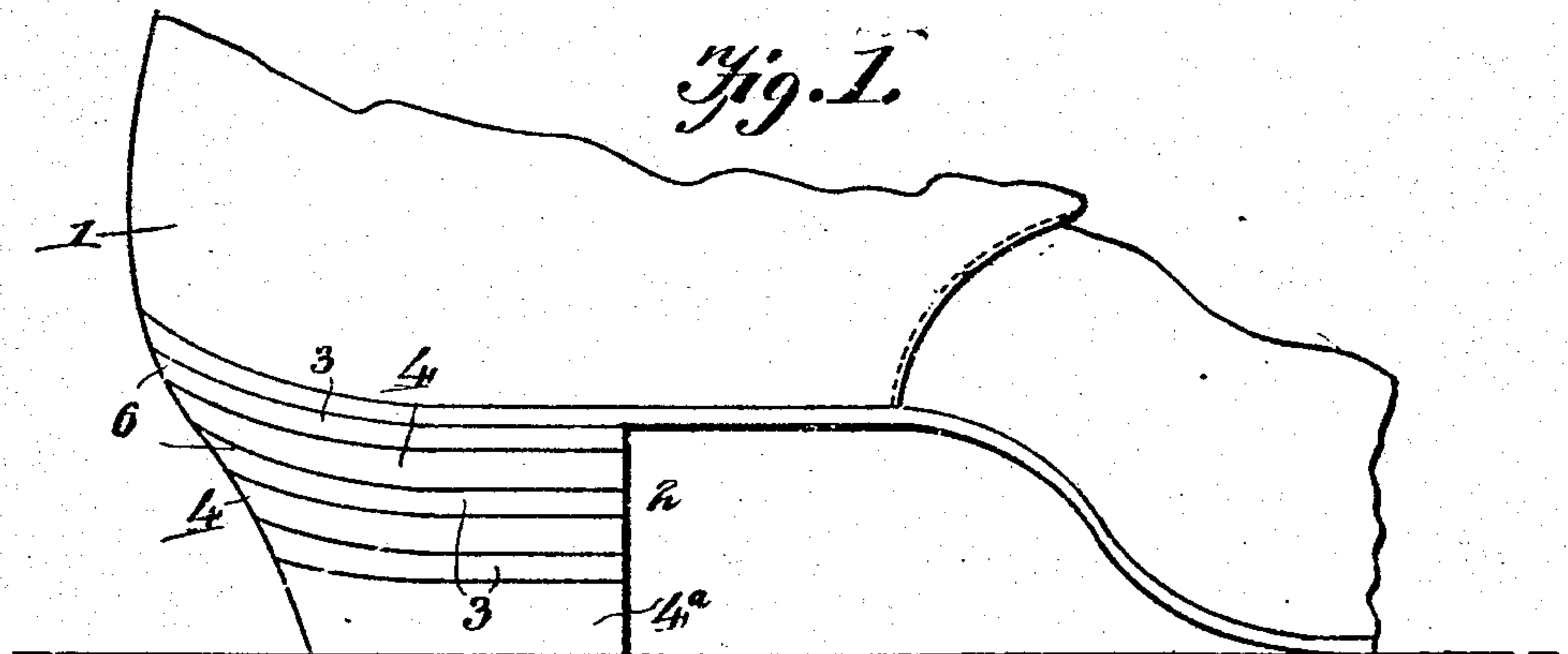
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SHOE HEEL.

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975,397.

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JOHN COLBERT, OF ARLINGTON, SOUTH CAROLINA.

SHOE-HEEL.

975,397.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN COLBERT, a citizen of the United States, residing at Arlington, county of Spartanburg, and State of South Carolina, have invented certain new and useful Improvements in Shoe-Heels, of which the following is a specification.

My invention relates to shoe heels and particularly to cushion heels for shoes.

The object of my invention is to provide a heel of the class mentioned which shall keep its shape more perfectly than the common form of cushion heels having a portion thereof formed of a comparatively thick piece of rubber.

A further object of my invention is to provide a cushion heel having a leather tread and of such improved construction that the ordinary wearing away of the heel will not injure the cushion properties thereof and which may be as readily repaired in the usual manner as an ordinary heel.

Other objects will appear hereinafter.

With these objects in view my invention consists generally in a heel formed of a plurality of alternate layers of leather and rubber, the bottom layer being of leather and preferably much thicker than the superimposed layers.

My invention further consists in a heel formed of alternate layers of leather and rubber, the central portion of the rubber layers being thickened whereby the outer edges of the lower leather or tread portion are materially thickened, these portions being the part of the heel which wears away most rapidly.

My invention further consists in various details of construction and arrangements of parts all as will be fully described hereinafter and particularly pointed out in the claims.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification and in which—

Figure 1 is a side elevation of the rear portion of a shoe divided with a heel embodying my invention in its preferred form, Fig. 2 is a vertical longitudinal section through the same, Fig. 3 is a vertical transverse section on the line $x-x$ of Fig. 2, and Fig. 4 is a transverse section similar to Fig. 3 and illustrating a modified form of my invention.

Referring now to the drawings, 1 indi-

cates a shoe and 2 the heel. The heel is composed of a plurality of lifts or layers formed of rubber and leather and arranged alternately.

3 indicates the rubber layers and 4 the leather. The bottom lift 4^a is preferably quite thick and constitutes the tread of the heel. When a cushion heel is formed with a single and thick block of rubber it soon becomes misshapened due to the compression of the rubber and the extension of its edges beyond the original contour of the heel giving a clumsy and unsightly appearance. I find that by arranging the rubber in thin layers between the leather lifts of the heel this is avoided and the heel will maintain its shape indefinitely.

The rubber lifts or layers 3 are thicker at the center and taper toward the side edges 5 and back edge 6 as shown in Figs. 2 and 3, and the leather lifts 4 are preferably of uniform thickness throughout. By this construction the lower face 7 of the bottom rubber lift 3 is convex and the upper face of the bottom lift 4^a is concave to fit the same forming thick side edges 8 and back 9 on the bottom lift or tread where the greatest wear usually comes on the heel. It is obvious therefore that the heel may wear away considerably without injury to the cushion properties of the same and that it may be repaired as an ordinary heel.

If preferred the rubber lifts may be made of laminated layers as illustrated in Fig. 4. In this construction each rubber layer is formed of a plurality of thin laminations 10, which are of uniform thickness and the proper contour or shape is given to the lifts by placing a greater number of laminations at the center. Otherwise this form of heel is the same as in the foregoing form.

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

1. A shoe heel of ordinary shape formed of a plurality of rubber lifts and a plurality of leather lifts arranged alternately, the rubber lifts being thicker at the center and forward ends and tapered toward the side and back edges and the bottom lift being of leather having thickened side and rear edges, substantially as described.

2. A shoe heel formed of a plurality of rubber lifts and a plurality of leather lifts arranged alternately, the rubber lifts each

being formed of a number of thin lamina-
tions, the laminations increasing in number
toward the center whereby said rubber lifts
taper toward the side edges and back and
5 the bottom lift being of leather having
thickened side and rear edges, substantially
as described.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

JOHN COLBERT.

Witnesses:

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