

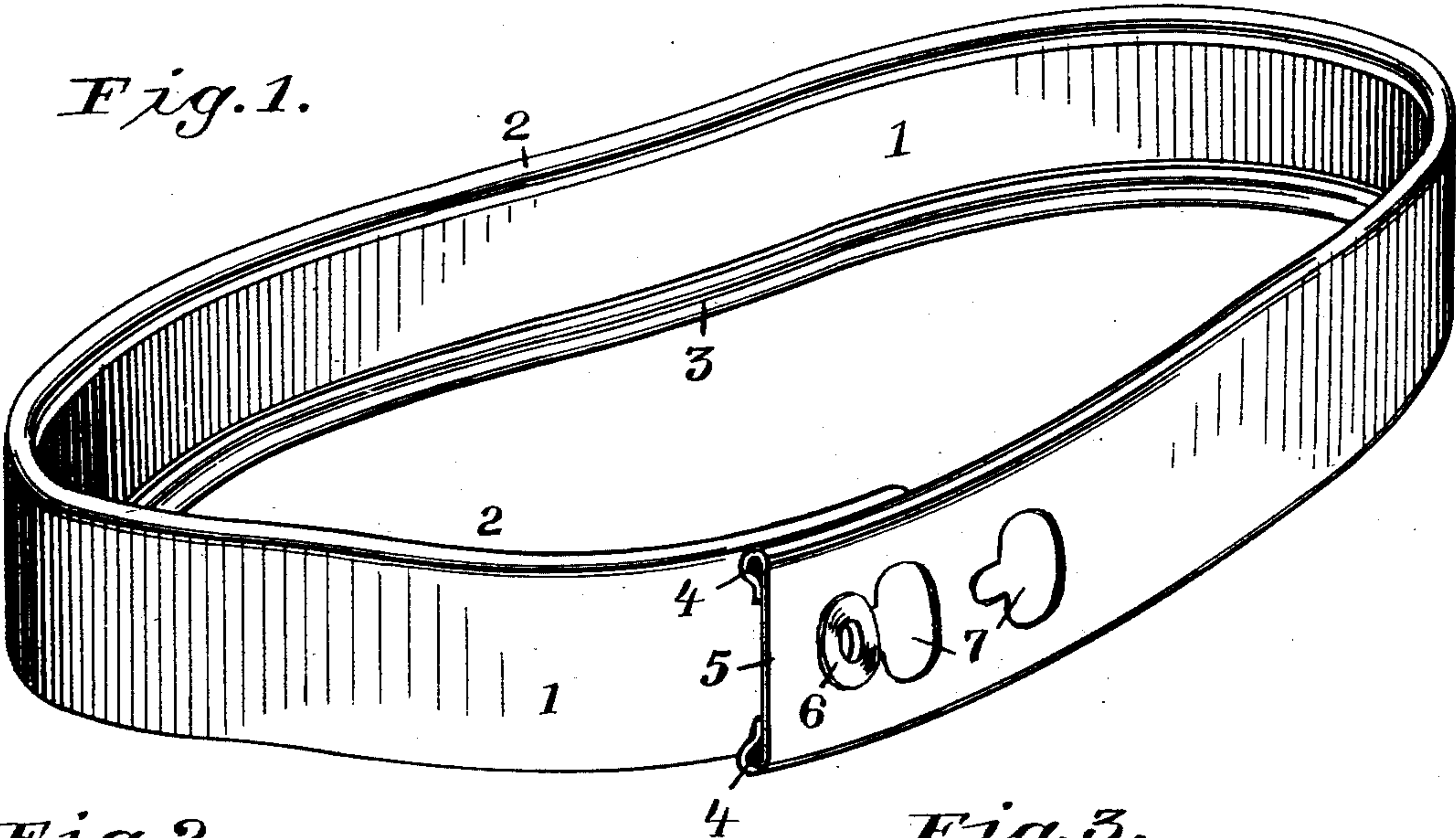
(No Model.)

S. T. NEWMAN.  
HAT PACKING RING.

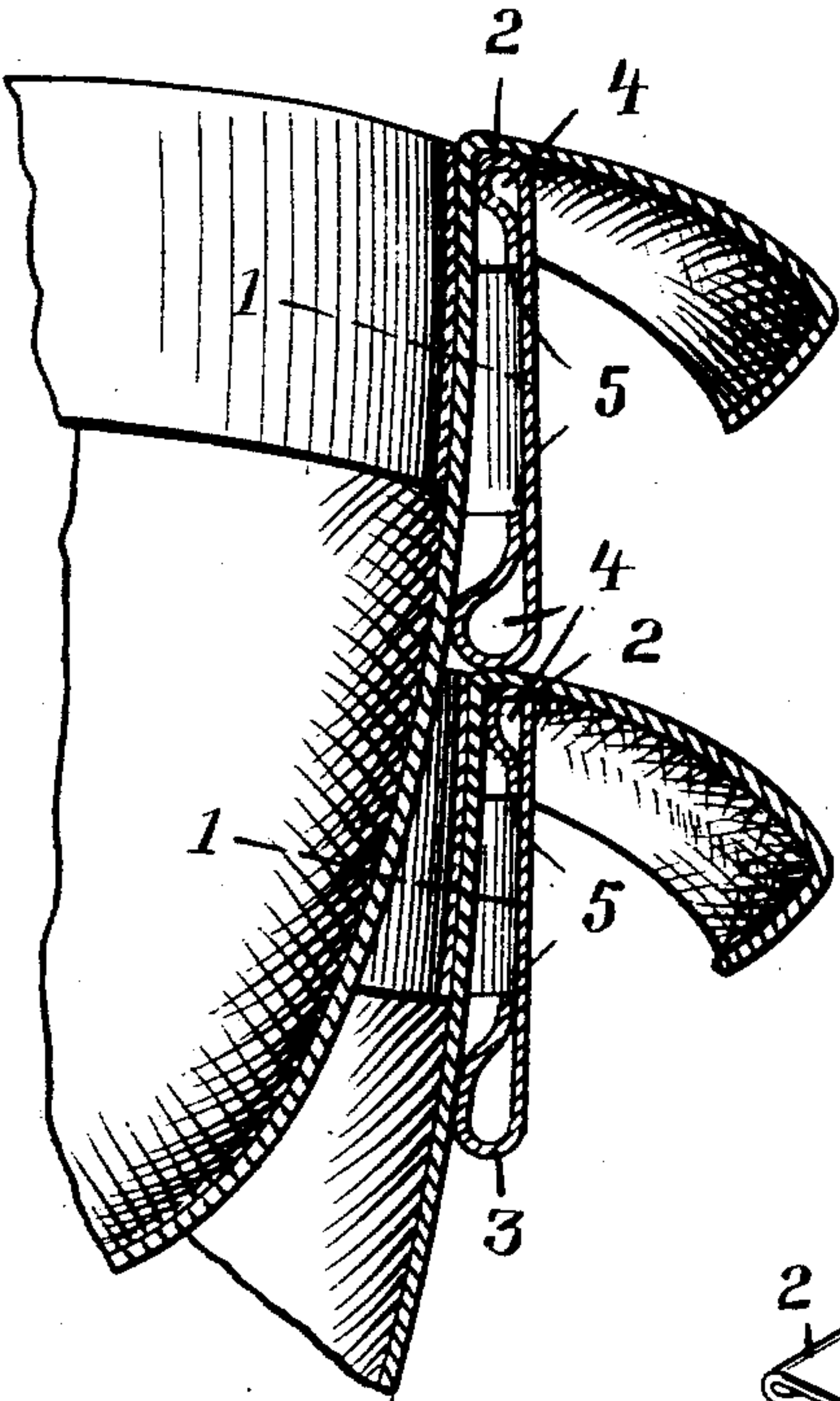
No. 520,145.

Patented May 22, 1894.

*Fig. 1.*



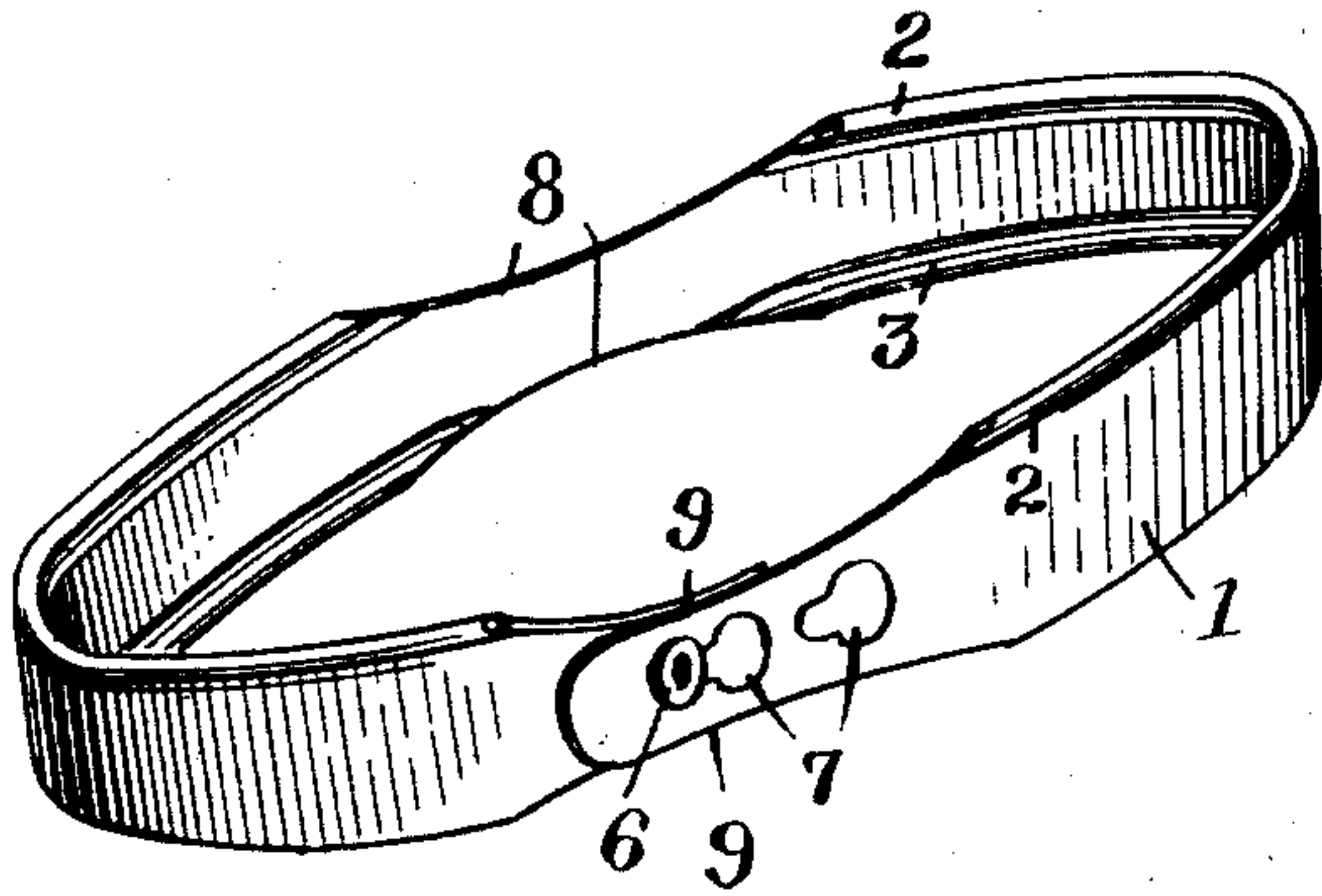
*Fig. 2.*



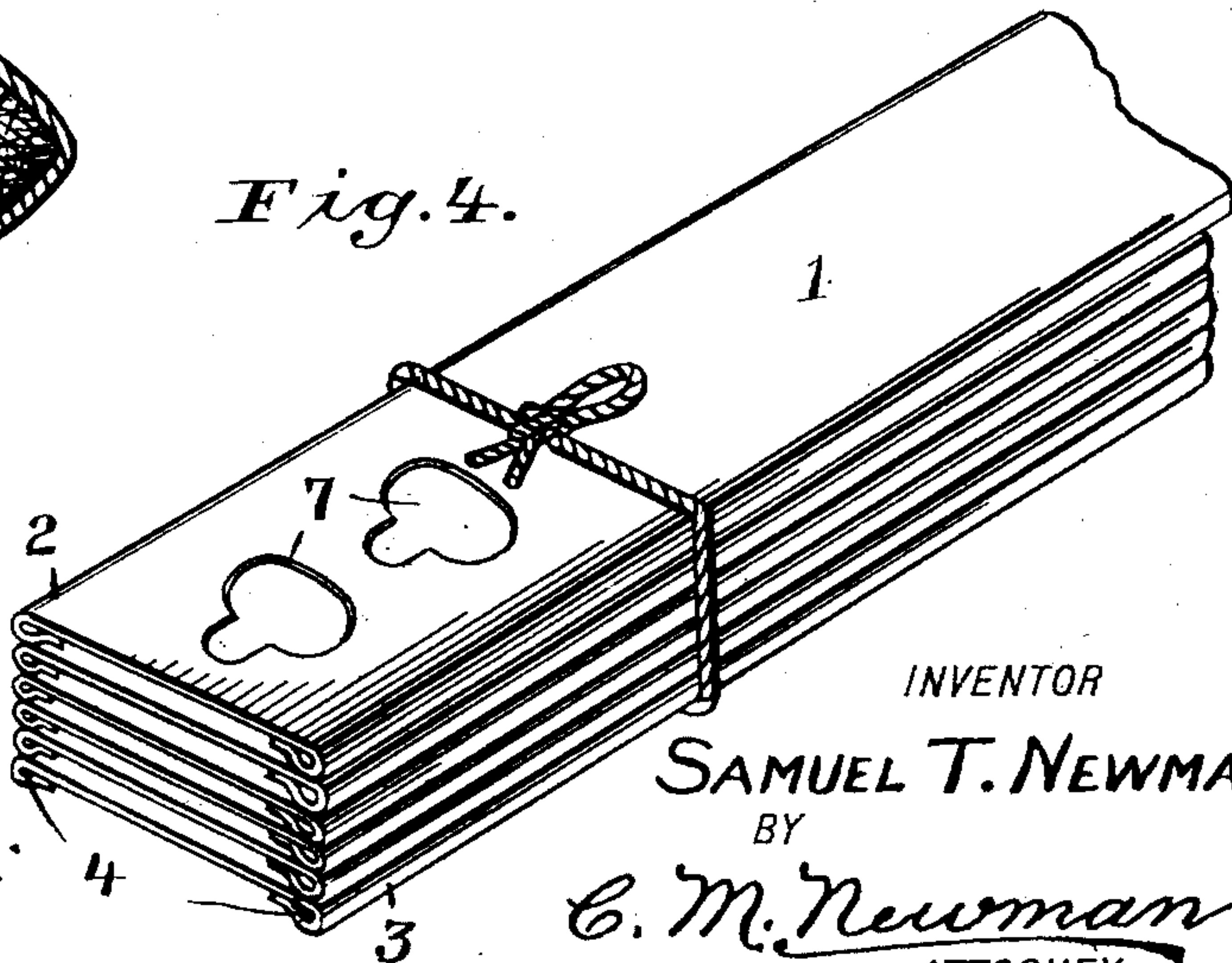
WITNESSES:

*E. S. Newman*  
*Enos Newman*

*Fig. 3.*



*Fig. 4.*



INVENTOR

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BY

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# UNITED STATES PATENT OFFICE.

SAMUEL T. NEWMAN, OF DANBURY, CONNECTICUT.

## HAT-PACKING RING.

SPECIFICATION forming part of Letters Patent No. 520,145, dated May 22, 1894.

Application filed February 21, 1894. Serial No. 500,950. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL T. NEWMAN, a citizen of the United States, and a resident of Danbury, in the county of Fairfield and State

of Connecticut, have invented certain new and useful Improvements in Hat-Packing Rings, of which the following is a specification. My invention relates to certain new and useful improvements in hat packing rings and stays, such for instance as are employed in connection with the packing of hats in a box and are for the purpose of supporting one hat above another.

It is, first, the object of my improvement to produce a hat packing ring from heavy paper or light paste-board which shall be adjustable and well adapted to the use of varying sizes of hats.

Second, it is an object of my improvement to produce a ring which will snugly fit against the crown of a hat; holding it firmly in place and thus preventing said hat from slipping around within its ring and being bruised or defaced.

Third, it is an object of this improvement to produce a ring in such a manner that it may in itself be closely packed for shipment. When rings are made continuous and of a single piece of paste-board, they of course require a great deal of space in shipment and are objectionable.

My invention, therefore, resides and consists in the construction of a ring such as will be more fully understood by reference to the accompanying drawings, upon which the same numerals denote like parts in the several figures, and in which—

Figure 1 shows a perspective view of my novel ring as it would appear ready for use. Fig. 2 is a detail cross section of one side of a couple of hats, illustrating the manner in which these rings are employed; also the bottom shows how the ribs of the ring are compressed by larger hats. Fig. 3 is a perspective view of a ring, showing a slight modification of construction. Fig. 4 illustrates a bunch of strips from which the rings are formed and shows how closely they can be packed for shipment.

As will be seen from the illustration, I make my ring of a single piece of paste-board which may be of any desired width. I

denote this ring by "1." It is provided at both the top and bottom edges with continuous ribs 2 and 3 upon the inside. As will be seen, these ribs are for the sole purpose of engaging the hat bodies. In this it is desirable that a smooth surface should be presented for engagement of the bodies, and that said hats should have little or no play within this ring, since it is in this way that they are usually defaced.

The ribs 2 and 3 are formed of the main stock by simply rolling or turning the stock in and downwardly, producing a circular recess 4, within the ribs. The raw edges 5, when turned in fit snugly against the main body of the ring and are subject to a slight variation of position. It will be seen that with this rib formed as shown and of light material, it is flexible and will readily yield to any slight pressure upon it, such for instance as that of a hat crown which is of a greater circumference than that of the circumference of the inner edge of the rib. By means of these yielding ribs, it will be understood that the variations of sizes will be readily accommodated without trouble or inconvenience, see Fig. 2. It will retain all hats alike by a firm and even engagement upon all sides.

Any great variation of sizes is provided for at the point of connection by the several openings 7, they being of special formation, and engage the eyelet which appears at the opposite end of the strip. The strips come to the consumer open and he simply draws the ends together, lapping one over the other, hooks the eyelet 6 into one of the openings 7, and draws the eyelet into the reduced portion of the opening, so as to produce a firm engagement. The ring is thus complete and ready for use.

In Fig. 3 I have shown a portion of the ribs 2 and 3 together with a small portion of the stock cut away at 8 and 9. This is for the purpose of allowing the ring to adjust itself more readily to hats which possess an unusual amount of set, or, in other words, hats which are very low in the front and rear, and further when the brims are rolled up close to the crown, see Fig. 2, it permits of the ring being freely attached, adjusted or removed from the hat. In the use of this ring as just



stated, the hat will rest upon the ribs at either end and does not come in contact with the raw edges of the cut-out portion.

I am aware that packing rings have been  
5 made of paste-board and other material, to prevent the chafing or defacing of hats. I am also aware that a closed ring has been produced, having an outward curl at the top and bottom. I make no claim to either of these  
10 constructions, my invention consisting in an adjustable ring having ribs upon the inside, as described.

Having thus described my invention, I claim—

15 1. A hat-packing ring, consisting of a single strip of pasteboard, having its upper and lower edges rolled in and downwardly, forming hollow, annular, flexible ribs upon the inner side of the ring at the top and bottom  
20 edges thereof, means for uniting the connecting ends together, thus forming a closed ring of an inside diameter equal to that of the crown of a hat.

25 2. A hat-packing ring consisting of a single strip of pasteboard having its upper and lower edges rolled in and downwardly, forming hollow, annular, flexible ribs upon the

inner side of the ring at the top and bottom edges thereof, said ribs being cut away, as shown upon the opposite sides of the ring to  
30 allow its free attachment and adjustment to varying styles of hats, means for uniting the connecting ends together, thus forming a closed ring of an inside diameter equal to that of the crown of a hat.

35 3. A hat-packing ring, substantially as shown, and consisting of a single piece of pasteboard having its top and bottom edges turned in and downwardly, forming hollow flexible ribs upon the inner sides of the ring,  
40 one of said ribs being larger than the other, both being cut away as shown upon the opposite sides of the ring to allow it to more readily adjust itself to the shape of a hat-brim, means as shown for connecting the  
45 over-lapping ends together.

Signed at Danbury, in the county of Fairfield and State of Connecticut, this 16th day of February, A. D. 1894.

SAMUEL T. NEWMAN.

Witnesses:

C. M. NEWMAN,  
EDWARD S. PARKS.