

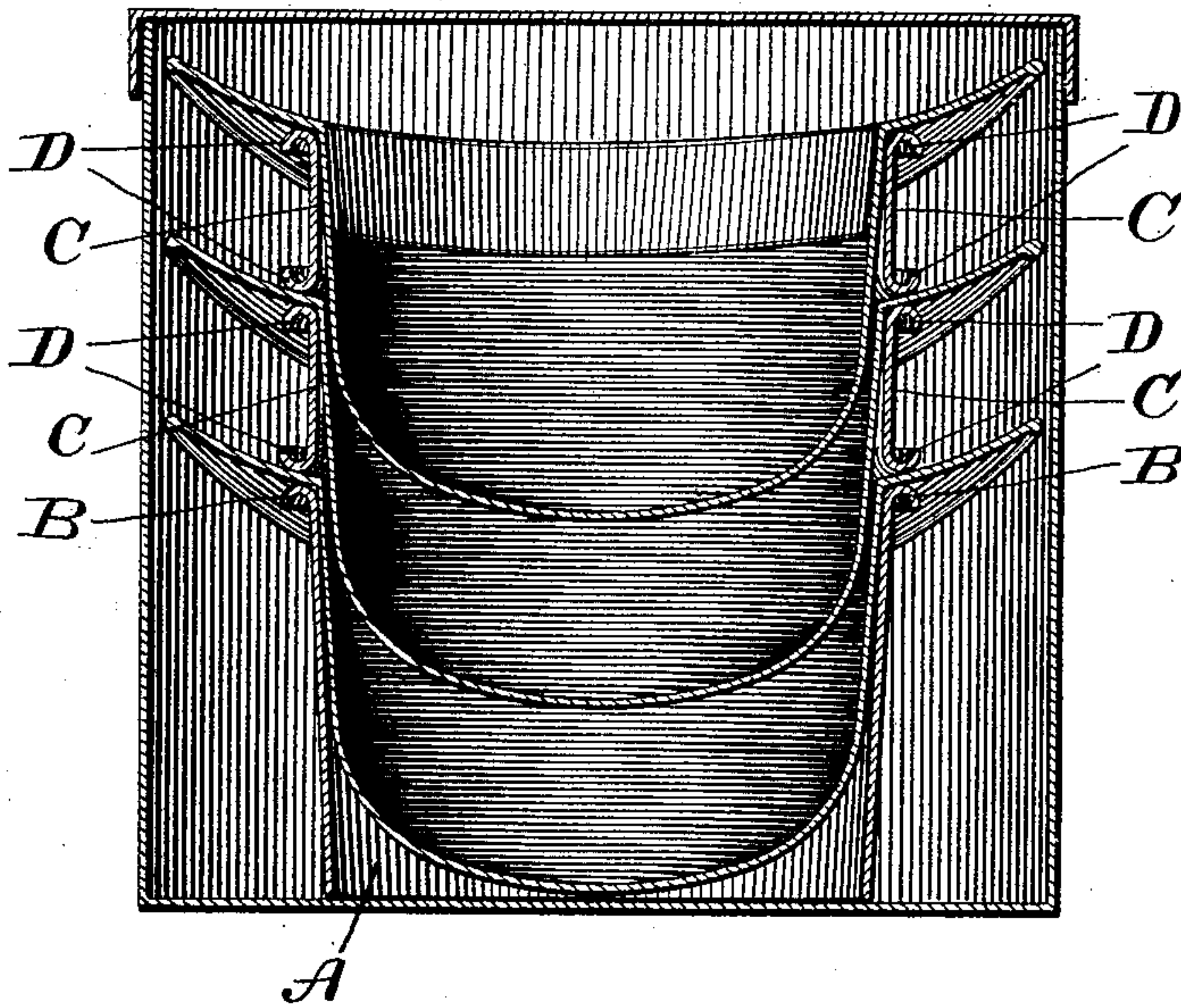
(No Model.)

F. P. FERRY.  
HAT PACKING RING.

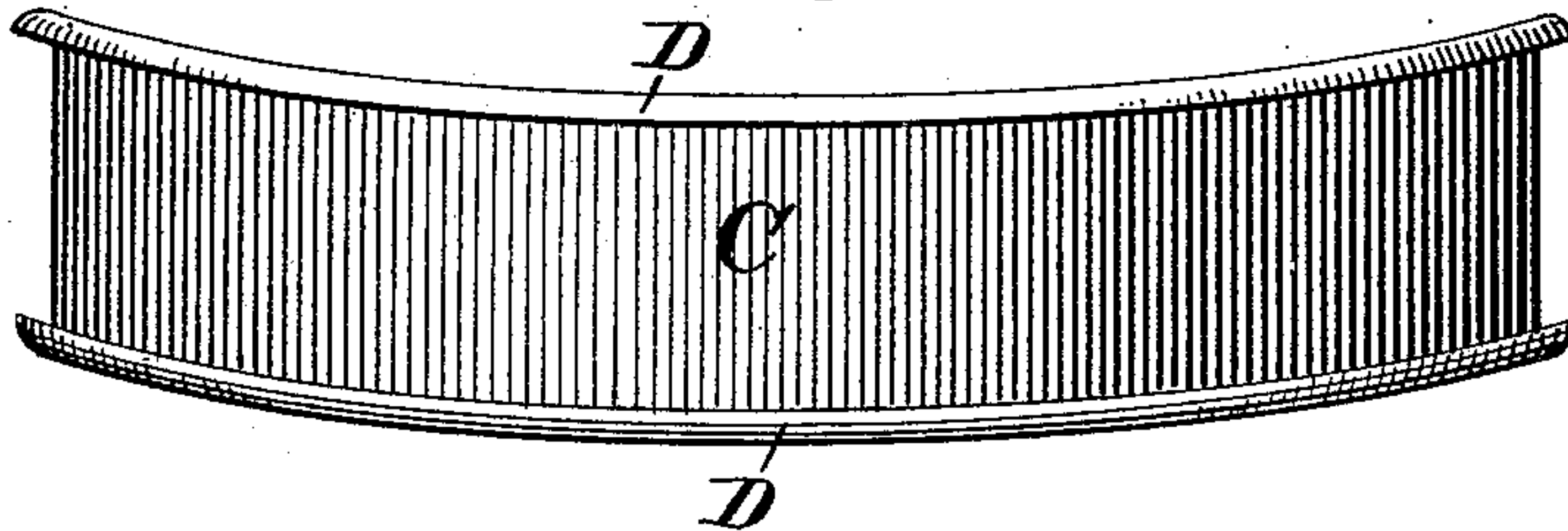
No. 444,343.

Patented Jan. 6, 1891.

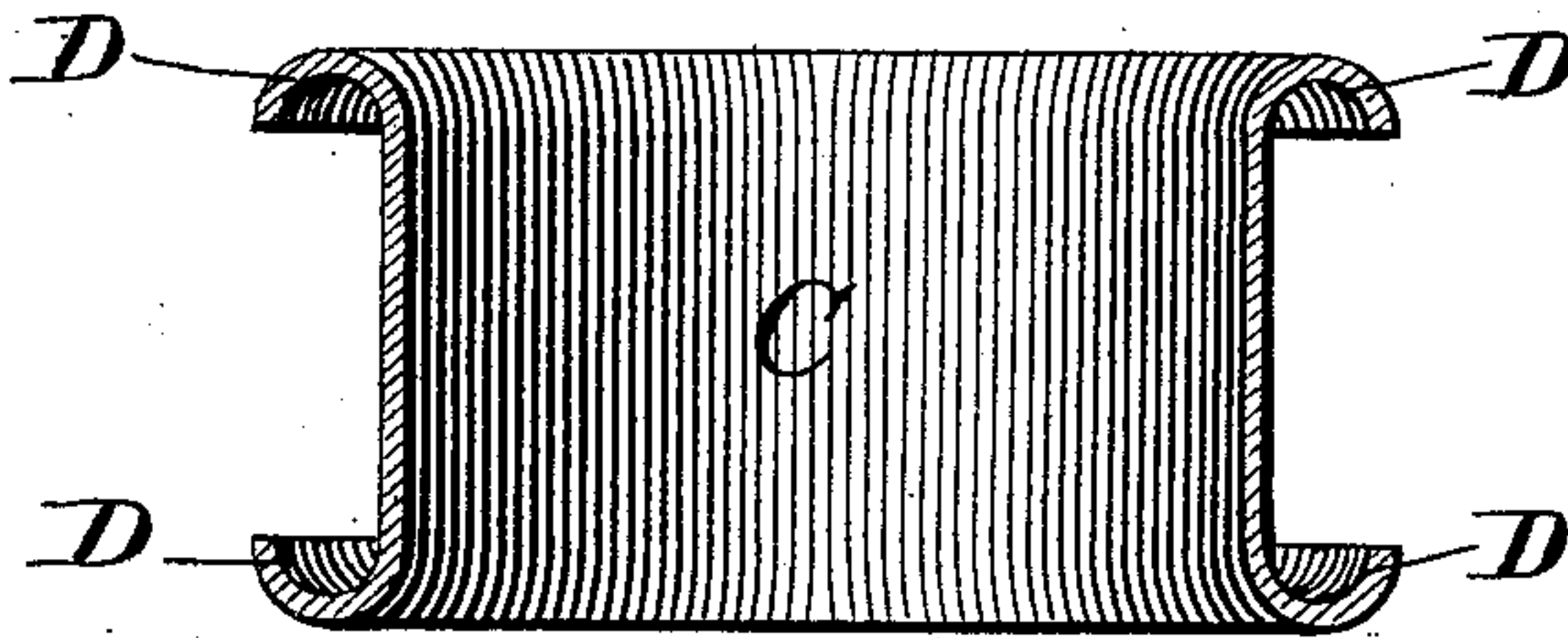
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

*J. H. Hinch*  
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INVENTOR

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BY

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# UNITED STATES PATENT OFFICE.

FRANK P. FERRY, OF DANBURY, CONNECTICUT, ASSIGNOR OF ONE-HALF TO  
TERRENCE E. BRADY, OF SAME PLACE.

## HAT-PACKING RING.

SPECIFICATION forming part of Letters Patent No. 444,343, dated January 6, 1891.

Application filed April 25, 1888. Serial No. 271,828. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK P. FERRY, a citizen of the United States, residing at Danbury, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Hat-Packing Rings; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has reference to hat-packing rings made from pasteboard or straw-board, and which are used to separate and support a series of hats in a single package for shipment, the object of my invention being to so construct said rings that there shall be no chafing of the hats one against the other or against the edges of the rings.

With these ends in view my invention consists of a ring of a general cylindrical shape to contain the hat-crown, the edges of said ring being curled outwardly, so as to present a perfectly smooth unbroken surface for contact with the crown and brim of the hat.

Referring to the accompanying drawings, Figure 1 is a sectional view showing a series of hats separated and supported by my improved rings and packed in an ordinary hat-box. Fig. 2 is a detail side elevation of one of my improved rings. Fig. 3 is an enlarged cross-section of one of my improved rings.

Similar letters denote like parts in all the figures of the drawings.

A is the lower ring, which rests against the bottom of the packing-box, the upper edge of said ring being curled outwardly to form a bead, as shown at B, whereon the brim of the lower hat rests.

C C are the rings, which are interposed between the hats, the edges of said rings being curled outwardly, as shown at D, to form a bead.

In assembling the hats and rings the bottom ring A is placed within the packing-box, and the crown of the lower hat is placed therein. One of the rings C is then placed upon the brim of this hat, the crown of the next hat being placed within this ring, so that the upper curled edge of the latter supports

the brim of this hat, and the succeeding rings and hats are assembled in like manner.

The inner face of my ring has a smooth unbroken surface, so that no rough points are presented by which the crown of the hat might be chafed, while the edges of the ring are curved to conform to the general shape of the hat-brim.

I am aware that packing-rings have been made with their edges bound with felt or other soft material, so as not to chafe the hats; but my invention contemplates no such construction.

I am also aware that a packing-support for a single hat has been made wherein the top edge has been flanged or curled outwardly in order to afford a non-chafing support for the hat-brim, but this has never to my knowledge been done, except in the instance of a separable ring, and, moreover, such construction could not be of advantage in packing a nest of hats, since it is essential that both the top and bottom edges of the ring should be so formed that the brim of the hat should not be chafed either on the upper or under surface. I therefore wish to be understood as distinctly disclaiming any flanging or curling of the edges of a hat-packing ring, save the outward curling of both the top and bottom edges of a closed pasteboard ring.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A closed pasteboard hat-packing ring of a general cylindrical shape adapted to contain the crown of the hat, the inner face of said ring having a smooth unbroken surface, whereby no chafing-points are presented to the crown of the hat, while the top and bottom edges of said ring are curled outwardly to form a bead, whereby a smooth contact is afforded with the upper and under surface of the brim of the hat, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK P. FERRY.

Witnesses:

THOMAS G. BARNUM,  
RAHEL JENKINSON.