

(No Model.)

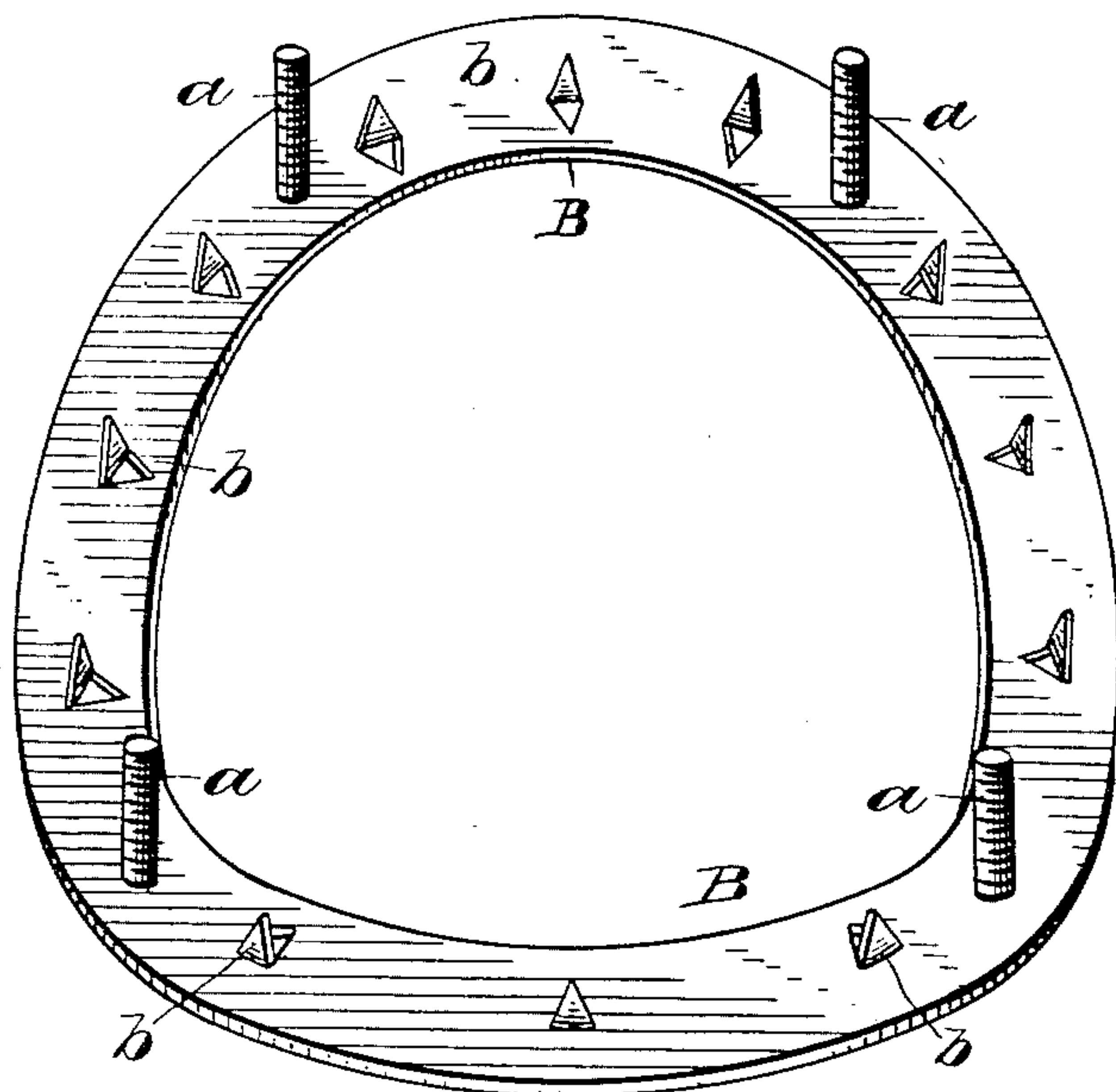
M. PENNYBACKER.

CHAIR SEAT.

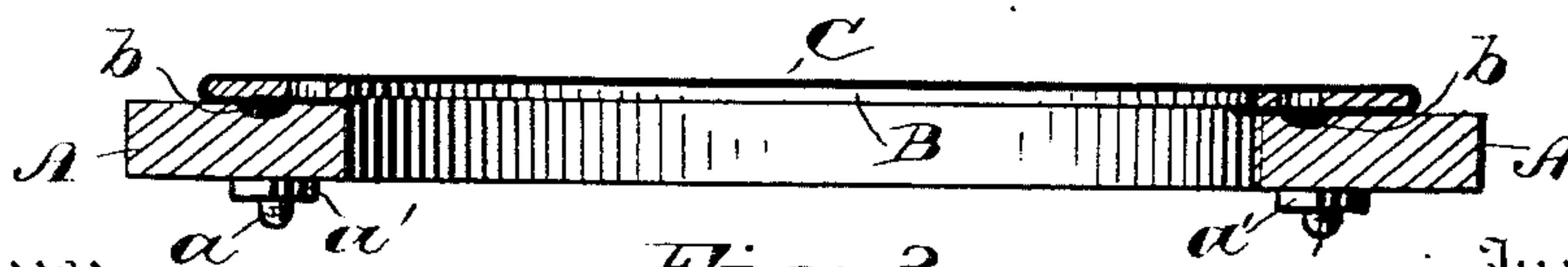
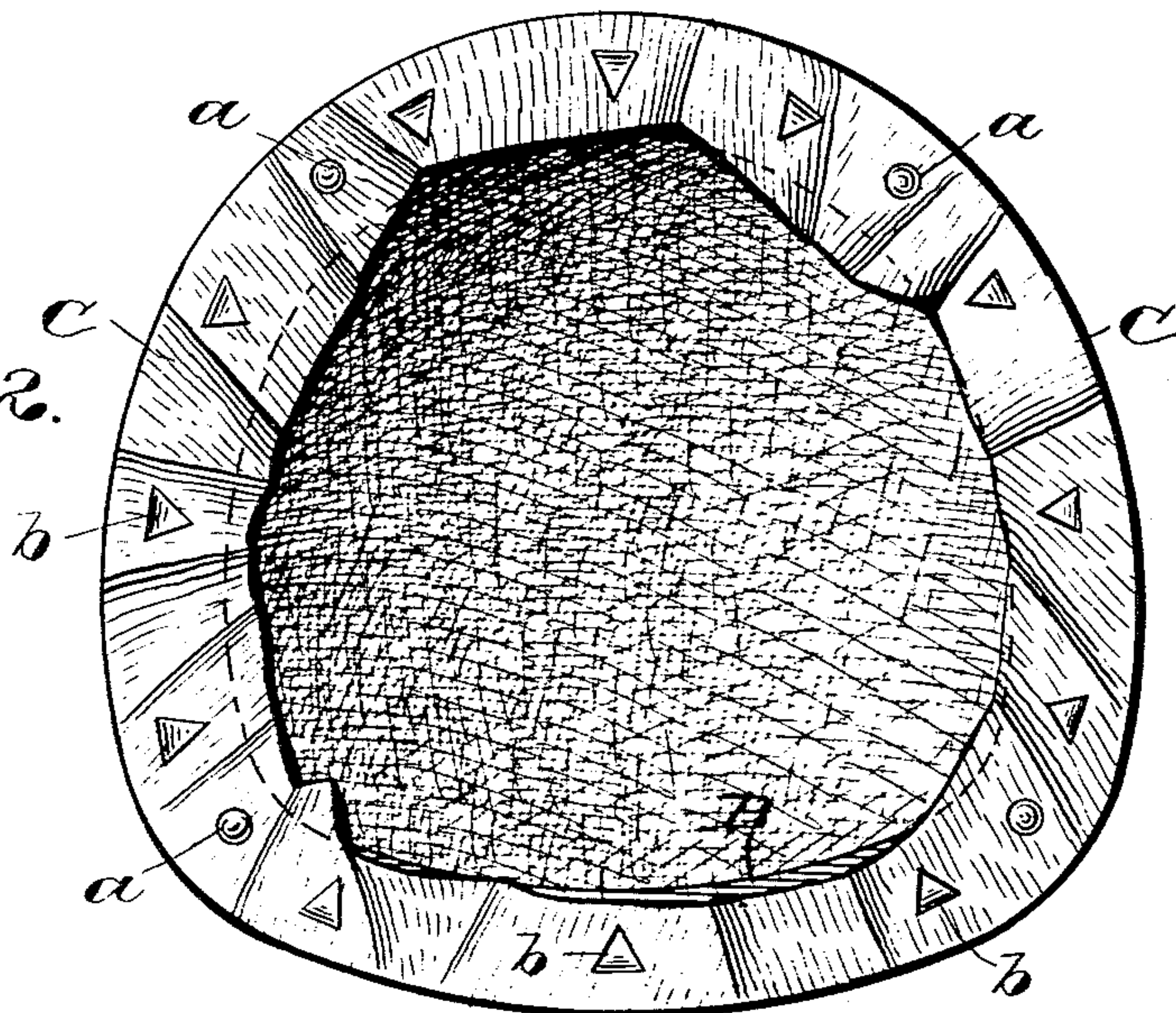
No. 356,012.

Patented Jan. 11, 1887.

*Fig. 1.*



*Fig. 2.*



*Fig. 3.*

Witnesses

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By his Attorney

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# UNITED STATES PATENT OFFICE.

MORGAN PENNYBACKER, OF WASHINGTON, DISTRICT OF COLUMBIA.

## CHAIR-SEAT.

SPECIFICATION forming part of Letters Patent No. 356,012, dated January 11, 1887.

Application filed July 1, 1886. Serial No. 206,806. (No model.)

*To all whom it may concern:*

Be it known that I, MORGAN PENNYBACKER, of Washington city, in the District of Columbia, have invented certain new and useful Improvements in Chair-Seats; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to chair-seats, and has for its object to furnish them with removable frames or rings, to which the material of the chair-bottom may be attached, and which rings or frames shall be readily attached to or removed from the chair, whereby when the bottom becomes worn or damaged it may be readily replaced without the employment of skilled labor and its attendant expense.

With these objects in view I have constructed the device hereinafter described; and my invention consists in the improved construction, arrangement, and combination of parts, as specifically set forth in the claims appended to this specification.

In the accompanying drawings, Figure 1 is a view in perspective of the under side of the bottom-supporting ring with the attaching-bolts projecting through it. Fig. 2 is a bottom plan view of the complete seat, the nuts being removed; and Fig. 3 is a transverse vertical section through the complete seat.

Like letters of reference mark the same parts in all the figures.

Referring to the drawings by letters, A is the frame of the seat, usually made of wood, and which I perforate at suitable points to receive bolts *a*.

B is a frame of substantially the same form in outline as the seat-frame A, and coinciding exactly therewith at their inner edges. This frame I prefer to make of sheet metal and provide with tangs *b*, punched out of the material, as shown.

C is the chair-bottom, of any desirable woven or other flexible material. The ring B is also perforated to permit the passage of the securing-bolts *a*, its perforations coinciding with those of the frame A.

The seat-frame and ring being prepared as usual, the material of the chair-bottom is stretched over the ring, turned under all around, and secured on the tangs *b*, after which the tangs are pressed or hammered down to the level of the ring, thus firmly securing the bottom to the ring. The bolts having been inserted through the ring before the bottom is stretched over it, the bottom covers and conceals their heads. The ring, having the bottom secured to it, is placed in position on the seat-frame, with the bolts through the perforations therein, and the whole structure is firmly secured together by nuts *a'* on the bolts *a*.

The advantages of my arrangement are obvious.

The material of the bottom is the only portion specially liable to wear or damage, and by means of my invention it can be renewed at will by any person without the necessity of sending the chair to the repair-shop or calling in the services of any skilled labor, the only expense being the actual cost of the material of which the chair-bottom is made.

I am aware that it is not new to make a detachable chair-seat of woven cane composed of a bent strip or frame and cane-cloth, which is stretched over the same and lapping around the bottom of the strip, which is secured thereto by springs or screws, the seat thus made being adapted to fit a shouldered recess of the seat of the frame of a chair, and I do not, therefore, make any claim to such a construction, it being radically different from mine. Neither do I claim the construction found in window-screens, consisting of a double frame, one half provided with pins, upon which wire fabric is stretched, and the other half corresponding in size and shape to the first, and provided with perforations, in which said pins fit, with hooks to secure the two halves together, as my construction bears no resemblance thereto.

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

1. The chair-bottom herein described, consisting of the ring B, provided with tangs *b*, and the flexible material C, stretched over said ring and secured to the tangs, as set forth.

2. A chair-seat consisting of a frame, A,

and a ring, B, provided with tangs, and having a flexible bottom stretched over and secured thereto, said frame and ring being secured together by bolts *a* and nuts *a'*, as set forth.

5 3. In combination, the frame A and the removable metallic ring B, provided with tangs, and having the flexible material C stretched over and secured thereto, as set forth.

10 4. In combination, the perforated frame A, the ring B, perforated, and having tangs *b*, the flexible material C, stretched over said ring

and secured to said tangs, the bolts *a*, passing through the perforations in the ring and frame, and the nuts *a'*, threaded on said bolts, as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

MORGAN PENNYBACKER.

Witnesses:

O. E. DUFFY,

M. P. CALLAN.