

(No Model.)

J. MARIS.

CAP AND LINING FOR POINT BANDS OF HUBS.

No. 433,250.

Patented July 29, 1890.

Fig 1.

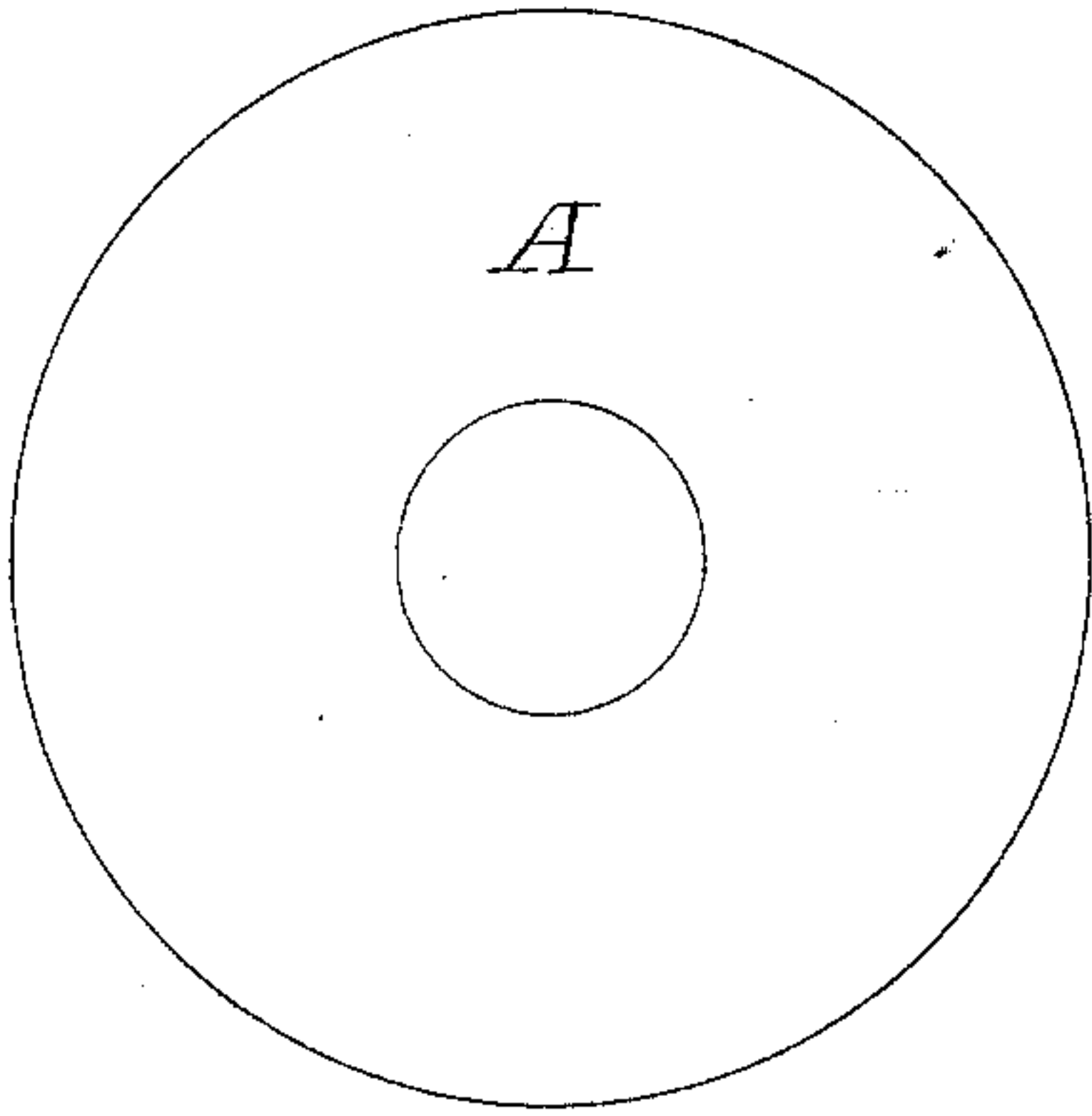


Fig 2.

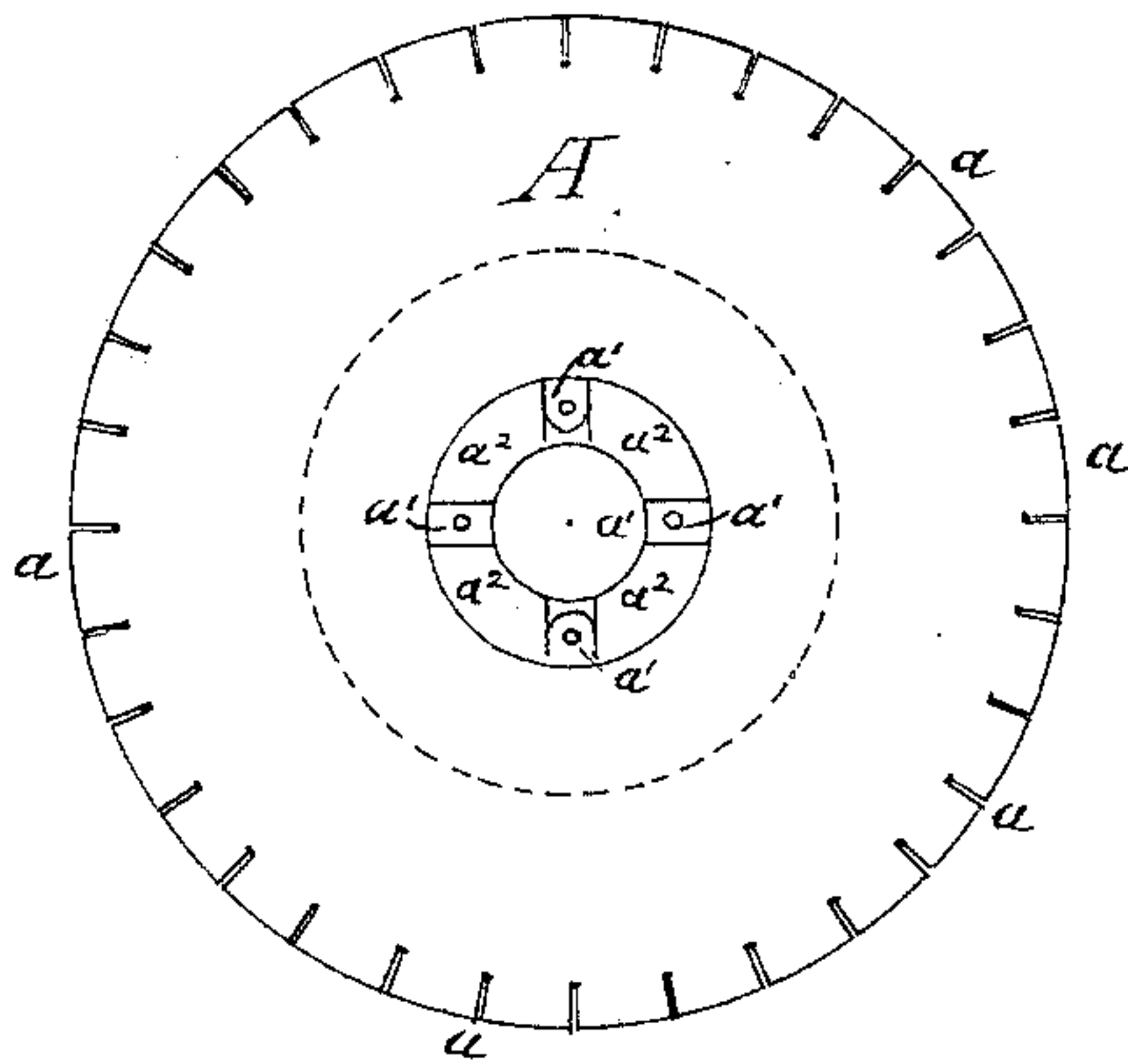


Fig 3.

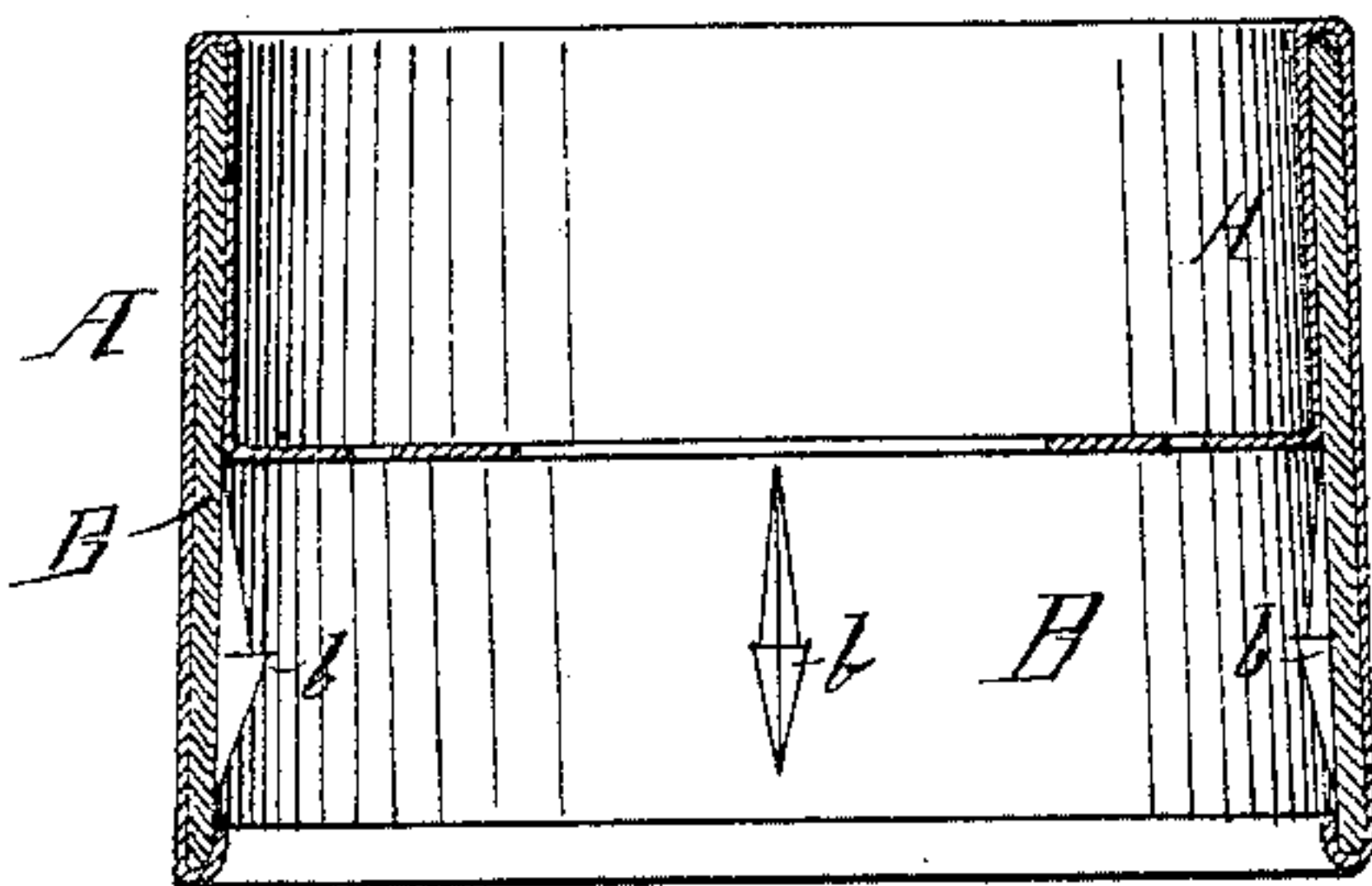


Fig 4.

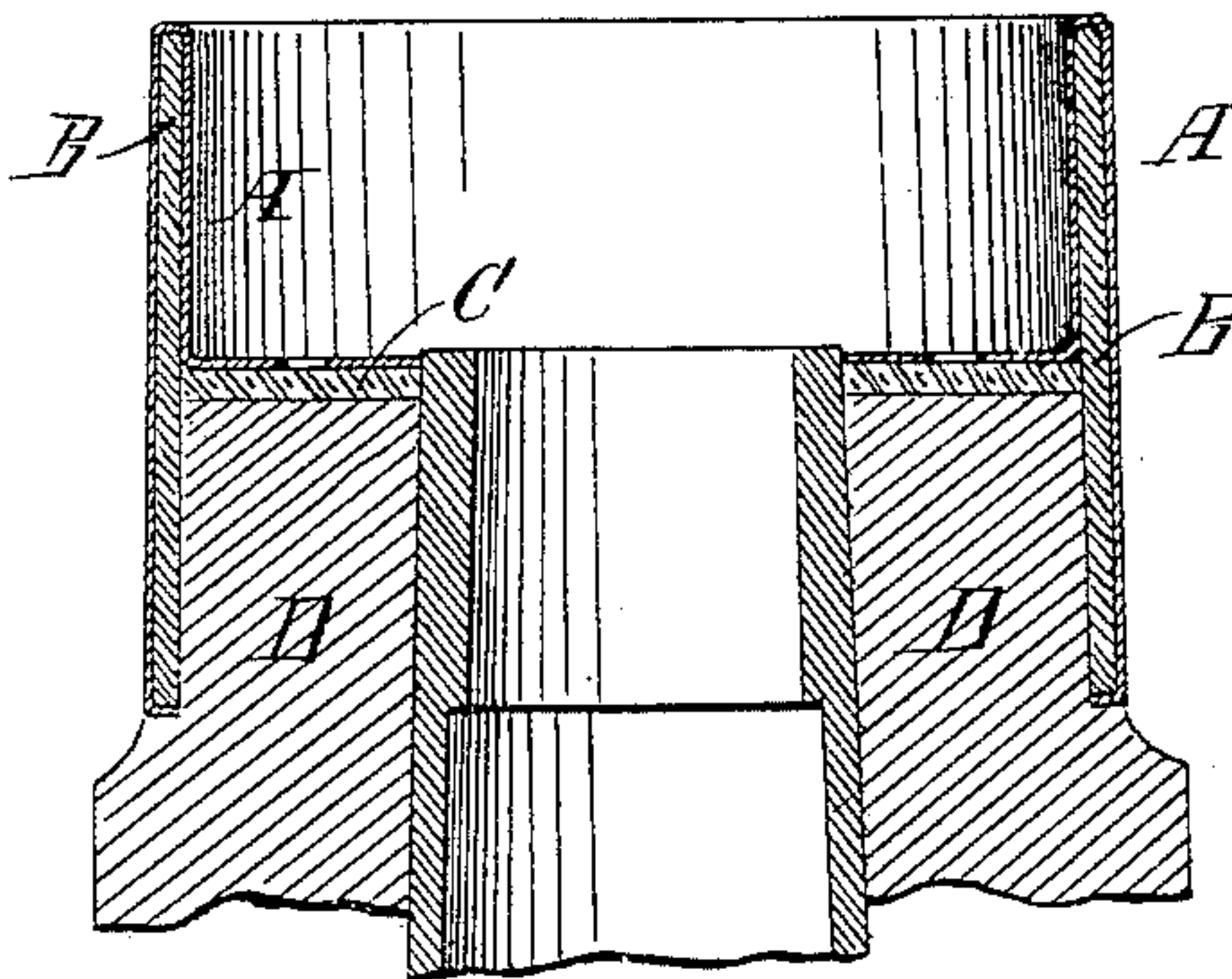
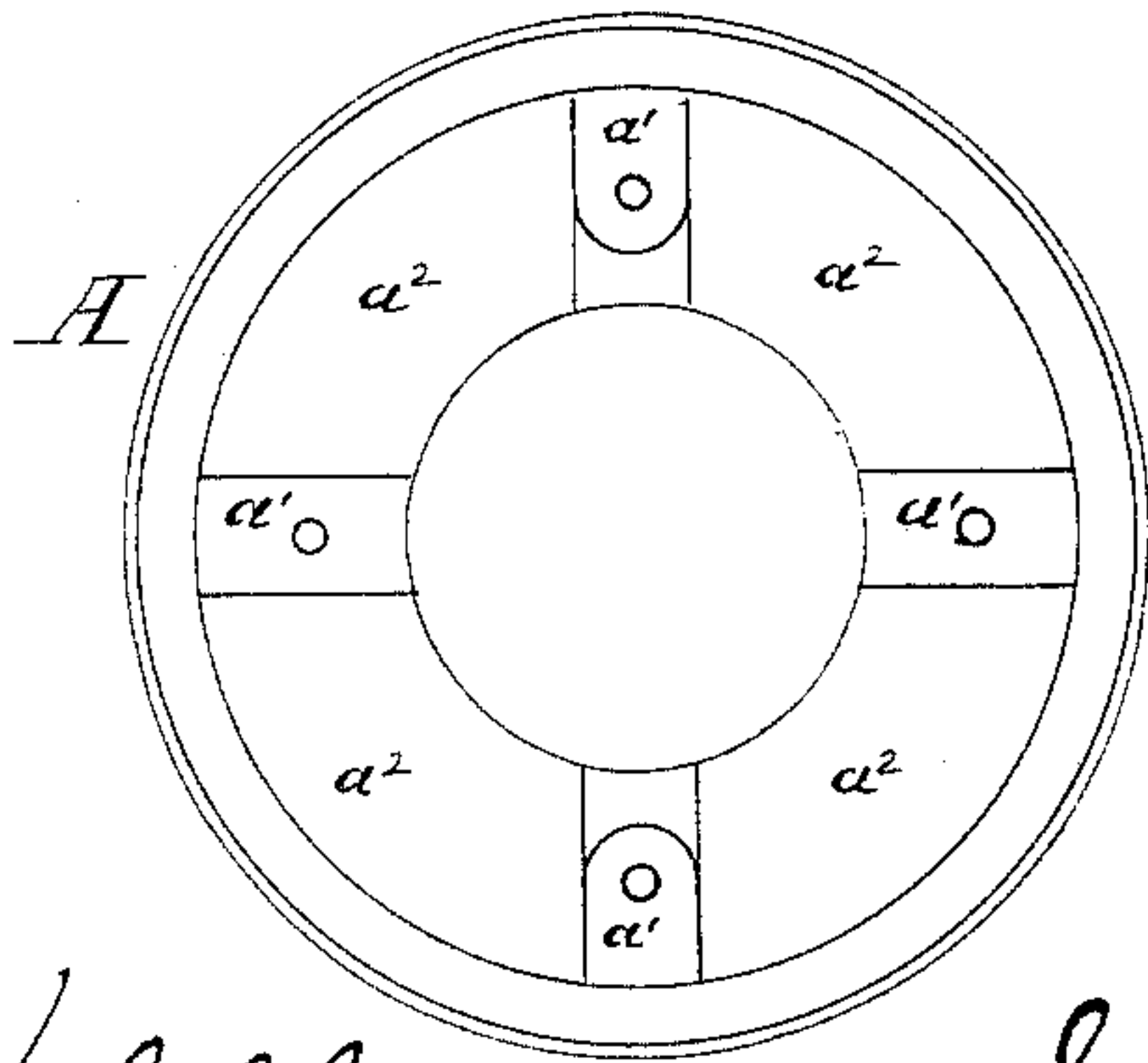


Fig 5.



Attest.

August F. Verbeke
James F. Rousey

Inventor,

Janet Maris,
By Cardinon Cardinon
His Atty's.

UNITED STATES PATENT OFFICE.

JARED MARIS, OF LEBANON, OHIO.

CAP AND LINING FOR POINT-BANDS OF HUBS.

SPECIFICATION forming part of Letters Patent No. 433,250, dated July 29, 1890.

Application filed May 31, 1890. Serial No. 353,699. (No model.)

To all whom it may concern:

Be it known that I, JARED MARIS, a citizen of the United States, residing at Lebanon, in the county of Warren and State of Ohio, have
5 invented a certain new and useful Improvement in Caps and Linings for Point-Bands, of which the following is a specification.

My invention relates to an improvement in caps and linings for point-bands of hubs; and
10 it consists in a novel form of blank for such caps and in a novel method of combining the cap and band.

In the drawings, Figure 1 is a view of one form of blank from which my improved caps
15 may be made. Fig. 2 is a view of a modified form of blank. Fig. 3 is a longitudinal section of a point-band having one of my improved caps attached; Fig. 4, a longitudinal section of a portion of a hub having one of
20 my improved caps applied thereto; Fig. 5, an end view of a hub with one of my caps attached, and which in its simplest form consists of an annular disk such as is represented in Fig. 1 of the drawings.

Another form of blank is represented in
25 Fig. 2, in which the blank is provided with any desired number of radial ears or lugs a , which serve to hold the completed cap in position, as will be more fully explained hereinafter. The inner edge of the blank is slitted
30 to form ears or lugs a' and segmental pieces a'' , the former affording means for securing the cap to the hub.

B is a point-band, preferably held in position upon the hub by means of ribs or barbs
35 b , thereby avoiding the necessity of making holes through the band. All of the projecting parts of the blank may be struck from material which would otherwise go as scrap,
40 thus enabling the blank to be made with the projections without increasing the cost of the cap. The blank is spun on forms or drawn in dies into the desired shape. When the form of blank shown in Fig. 1 is employed, the cap
45 having been placed over the end band, the outer edge of the blank is turned inward by machines over the otherwise rear edge of the point-band, thereby securing the cap in position without the use of nails or other objectionable fastening devices. When the machinery for turning down the unbroken edge
50 is not at hand, the form of blank shown in

Fig. 2 may be preferred, as the lugs a can be easily bent over the edge of the point-band without special mechanism for the purpose. 55 These lugs may be made fast to the band by solder, but preferably extend somewhat into the space bounded by the band, and they will then be firmly gripped between the band and the wooden portion of the hub when the
60 band is placed in position.

C is a gasket, of rubber or other pliable material, interposed between the flange and the hub and serving to protect the latter from
65 water and oil, both of which are destructive to the hub. When the band is in position, the lugs a' are secured by screws or nails to the end of the hub.

The cap and lining, being made in dies, do not vary in their proportions, but the hubs
70 being turned are liable to vary, and the distance which different hubs extend into the bands may vary an eighth of an inch or more. If the internal flange of the lining is made integral, it cannot be made fast to the end of
75 the hub, which is short, without danger of breaking the flange or causing the cap and lining to buckle, unless a packing is used. The divided flange is sufficiently adjustable
80 to meet all ordinary contingencies of this kind. A compressible gasket also affords a means of effecting this adjustment, and may be used with or without the divided flange.

Other methods of fastening the flange to the hub may be employed, or the cap may be
85 held in place by the lugs a without other fastening.

I claim—

1. The combination, with a point-band for wheel-hubs, of a cap having its rear edge
90 turned over the rear edge of the point-band, substantially as and for the purpose specified.

2. The combination, with a point-band for wheel-hubs, of a cap and lining adapted to take over the front edge of the band and having
95 its rear edge turned over the rear edge thereof, substantially as and for the purpose specified.

3. The combination, with a point-band, of a cap and lining adapted to take over the
100 front edge of the band and having lugs taking over the rear edge of the band, substantially as and for the purpose specified.

4. The combination, with a point-band, of

a cap and lining adapted to take over the front edge of the band and provided with a divided flange, substantially as and for the purpose specified.

5 5. The combination, with a point-band, of a cap and lining having its rear edge bent over the rear edge of the band and provided with inwardly-projecting lugs adapted to engage with the end of the hub, substantially
10 as and for the purpose specified.

6. The combination, with a point-band, of a cap and lining adapted to take over the front edge of the band, having inwardly-projecting lugs adapted to engage with the end
15 of the hub, and lugs adapted to take over the rear edge of the band, substantially as and for the purpose specified.

7. The combination, with a wheel-hub, of a point-band, a cap and lining therefor having an inwardly-projecting flange, and a compressible gasket between the flange and the
20 hub, substantially as and for the purpose specified.

8. The combination, with a wheel-hub, of a
25 point-band, a cap and lining therefor hav-

ing a divided inwardly-projecting flange, and a compressible gasket between the flange and the hub, substantially as and for the purpose specified.

9. The combination, with a wheel-hub, of a
30 band B, having inwardly-projecting ribs or barbs *b*, and a cap or lining having lugs *a*, adapted to take over the rear edge of the band and hold the caps against displacement, substantially as and for the purpose specified.
35

10. A blank for coverings for point-bands, consisting of an annular strip of metal having lugs extending radially from its outer edge, substantially as and for the purpose
40 specified.

11. A blank for coverings for point-bands, consisting of an annular strip of metal having lugs extending radially from its outer edge and having its inner edge slitted, substantially as and for the purpose specified.

JARED MARIS.

Witnesses:

AUGUST F. HERBSLEB,

JAMES NEWTON RAMSEY.