

(No Model.)

J. MARIS.  
POINT BAND FOR HUBS.

No. 418,204.

Patented Dec. 31, 1889.

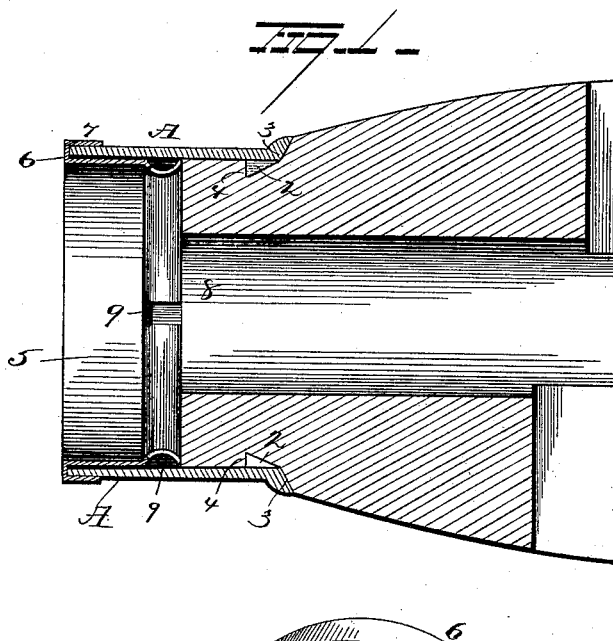


Fig. 1.

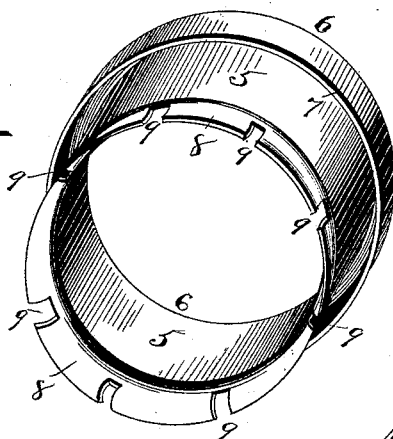


Fig. 4.

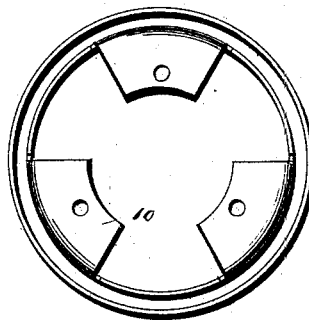
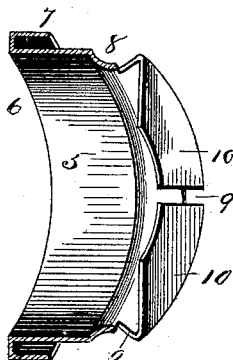


Fig. 3.



Witnesses  
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# UNITED STATES PATENT OFFICE.

JARED MARIS, OF COLUMBUS, OHIO.

## POINT-BAND FOR HUBS.

SPECIFICATION forming part of Letters Patent No. 418,204, dated December 31, 1889.

Application filed September 10, 1889. Serial No. 323,515. (No model.)

*To all whom it may concern:*

Be it known that I, JARED MARIS, of Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful  
5 Improvements in Point-Bands for Hubs; 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  
10 same.

My invention relates to an improvement in point-bands for hubs, the object being to provide an ornamental band for application to points of hubs capable of quick and easy ad-  
15 justment and of being made at a slight cost; and to this end my invention consists in a two-part band comprising the band proper, which is securely fastened by internal devices—such as small lugs or the like—to the tip of the  
20 hub, and a thin or sheet-metal cap or lining combined, which constitutes an ornamental finish to the outer end of the band proper, and also gives a neat and attractive appearance to the inside of the portion of the band  
25 which extends beyond the end of the hub.

It further consists in certain novel features of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

30 In the accompanying drawings, Figure 1 is a longitudinal sectional view through a hub with my improved point-band applied. Fig. 2 is a detached view of the combined cap and lining, and Figs. 3 and 4 are views of modifi-  
35 cations.

A represents a point-band. The band tapers a trifle, so that the diameter of its outer end is slightly greater than the diameter at the inner end. The inner end is furnished  
40 with an outwardly-projecting flange, and just inside of this end a series of inwardly-projecting tapering ribs 2 2 are formed. Said ribs start at the inner edge of the beveled edge 3 of the flange 1 and gradually slope in-  
45 ward, forming abrupt shoulders 4 4 at their inner ends, around which the fibers of the wood of which the hub is made contract after the band is driven on the required distance. So much of the invention is embodied in a former patent, but a brief description was deemed  
50 necessary in order to a perfect understanding of the improvement. The additional features

consist in a thin metal lining 5, which is fitted nicely to the inside of the band. The outer end 6 6 is bent over to form a narrow incas- 55 ing-flange 7, which extends substantially parallel with the lining 5 and incasing the outer edge of the band, covering any dents made by driving the band onto the hub or any other irregularities made in the casting; and, fur- 60 ther, it gives a neat and ornamental outer rim, which, when the cap is silver or nickel plated, gives a pleasant contrast to the band, which generally is cast of brass. The inner end of the lining is furnished with an annu- 65 lar countersink 8 and the extreme inner edge turned outward, terminating about in line with central cylindrical portion of the lining; and, being of spring metal, it is adapted to impinge tightly against the inside of the band, 70 where it holds itself securely against displacement by the force of the spring action. To allow this portion of the lining ample yielding capacity, several notches 9 9, preferably nine, are cut in the edge. As soon as 75 these spring projections have been pushed into the band a short distance they reach the tapering wall of the band, and the farther in they are inserted the tighter they hold, so that there remains not the slightest liability of 80 the lining and cap working loose or coming off; but to insure still further against extreme irregularity of shape of bands the inner end may finally terminate in an inwardly-projecting flange 10, as shown in Fig. 3, adapted to 85 abut against the end of the hub and be secured by nails or other devices. In this form not only is the lining given an additional hold, but the band itself is more securely fastened. However, either form is sufficient to 90 effect a rigid hold. If desired, the alternate spring projections may be extended inwardly and secured to the end of the hub by suitable fastening devices.

It is evident that slight changes might be 95 resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to limit myself to the particular construction herein set forth; but, 100

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

1. The combination, with a band, of a cap

and lining combined fitted to the band and having spring projections adapted to impinge against the inside wall of the band, substantially as set forth.

5 2. The combination, with a band, of a cap and lining combined, the cap portion adapted to incase the outer end of the band and the lining to fit the inner wall of the band closely and terminating in outwardly-bent spring  
10 projections, substantially as set forth.

3. The combination, with a point-band having a slightly-increased diameter at its outer end, of a combined cap and lining, the cap portion of which is adapted to incase the outer  
15 end of the band and the lining portion of which fits the inner wall of the band and terminates in outwardly-extending spring projections, which impinge against the wall of the band and effect a secure fastening,  
20 substantially as set forth.

4. A combined cap and lining consisting of a thin band of metal bent at one end to

form a cap and at the other end bent slightly outward and notched to form spring projections, substantially as set forth.

5. A combined cap and lining consisting of a band of thin metal bent back at one end to form a cap and at the other end countersunk and bent outwardly, and finally inward to form a flange, and notched to form yielding  
30 spring projections, substantially as set forth.

6. The combination, with a band, of a cap and lining combined fitted to the band and having spring projections, a flange extending inwardly from said projections, and fasten-  
35 ing devices passing through said flange, substantially as set forth.

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

JARED MARIS.

Witnesses:

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M. RODGERS.