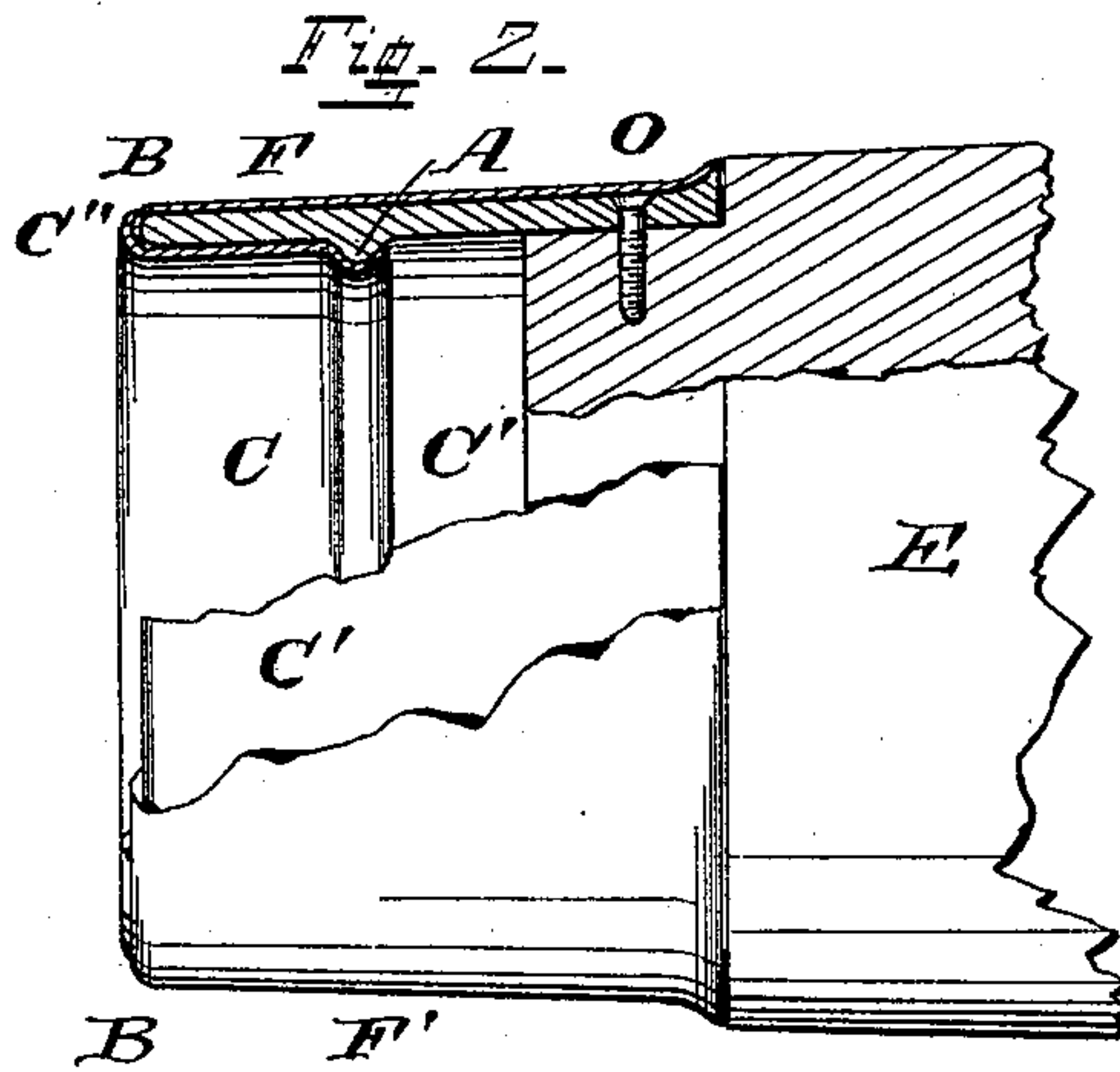
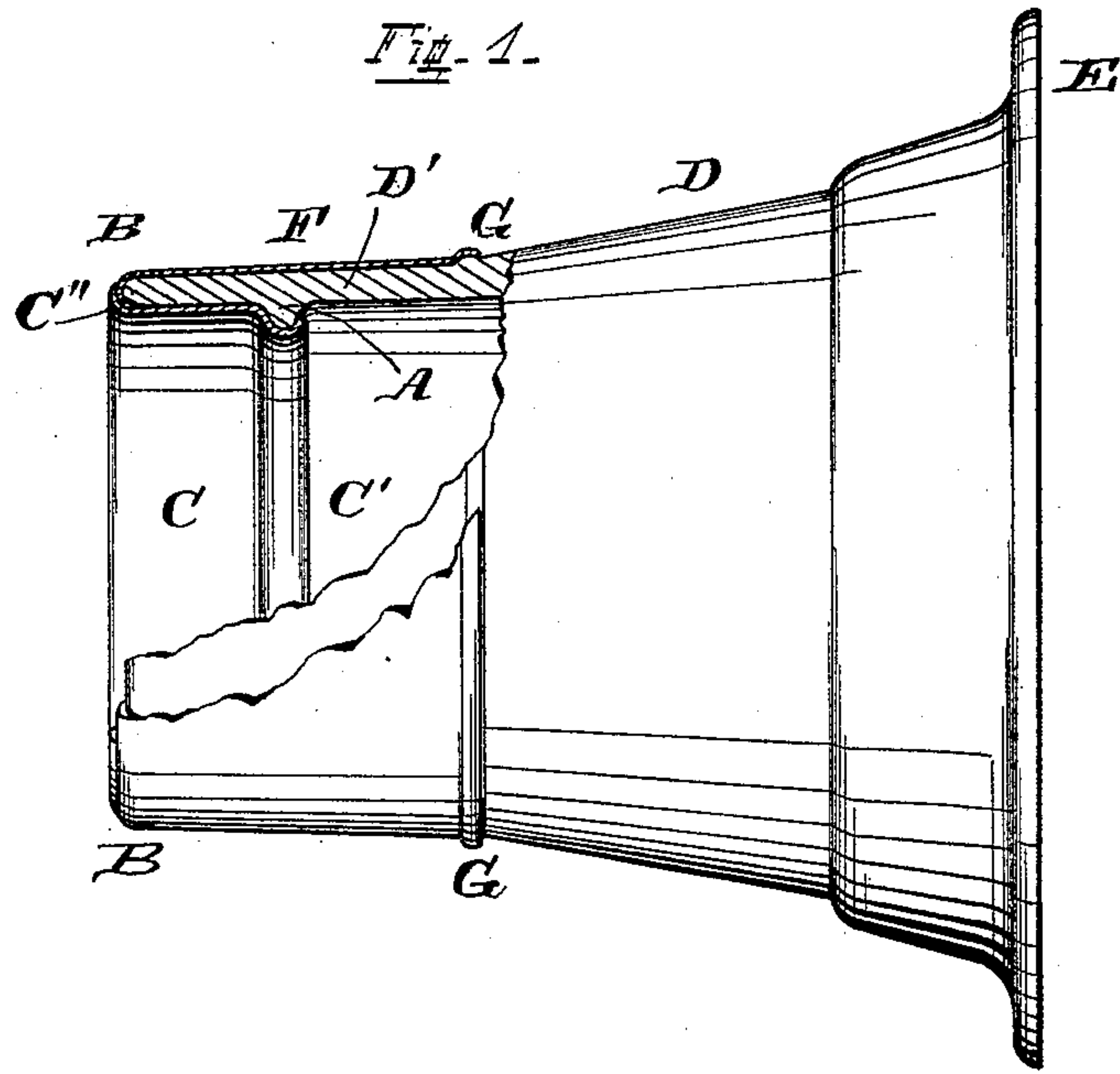


(No Model.)

W. LE B. HAWES.  
HUB BAND.

No. 404,837.

Patented June 11, 1889.



Attest  
George Heidman  
Alfred M. Allen

Inventor  
William L. B. Hawes  
By Arthur Steinhilber Atty.

# UNITED STATES PATENT OFFICE.

WILLIAM LE B. HAWES, OF CINCINNATI, OHIO, ASSIGNOR OF ONE-HALF TO  
THE STANDARD WAGON COMPANY, OF SAME PLACE.

## HUB-BAND.

SPECIFICATION forming part of Letters Patent No. 404,837, dated June 11, 1889.

Application filed January 28, 1889. Serial No. 297,891. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM LE B. HAWES, a citizen of the United States, residing in Cincinnati, in the county of Hamilton and State of Ohio, have invented a certain new and useful Improvement in Ornamental Bands for Vehicle-Hubs, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to an improvement in ornamental bands for vehicle-hubs; and it consists of an iron point-band covered with a brass band or plated band and held in place by the outer edge of the band-lining, as hereinafter more fully described.

In the accompanying drawings, Figure 1 is a side elevation, in section, of a flanged shell-band with my improvement applied to it. Fig. 2 is a side elevation, in section, of a point-band with my improvement applied.

Like letters of reference indicate identical parts in all the figures.

D, Fig. 1, is a flanged shell, which embraces the entire outer end of the hub, the flange E abutting against the sides of the spokes. The outer portion D' of this shell corresponds to an ordinary point-band and is provided with an internal flange or bead A. The outer end of this portion D' is lined by a sheet-metal ring, the inner edge of which is spun in and around the flange A, as at C', and thus securely locked in place. The outer edge, as at C'', is rolled around the edge of the band D' and gives it an ornamental finish.

F is a thin metal band of brass or any other material, usually of sheet metal, and is designed to give an ornamental surface to the exterior of the point-band. It is made to fit tightly around the band, near the edge of the lining C, as shown at B. The lining C, being locked by being spun around the flange A, holds the band F in place and prevents its coming off. As an additional fastening, the inner edge of the band F may be rolled around an annular bead, as shown at G.

In Fig. 2 is shown simply a point-band fastened to the hub E by the screws O. Where a solid brass or plated band is used for ornament, it is not only expensive, but the screw-heads show on the outside of the band.

The iron point-band, as shown in Fig. 2, may be applied to the hub and screwed in place, the screw-heads being countersunk, as shown. The ornamental covering or sheet-metal band F is then pushed on over the iron band, covering the screw-heads and hiding them. The lining C is then applied, locked in place around the flange A, as at C', and the outer edge turned over, as at C'', against the outer edge of the band F, thus securely fastening it in place and preventing its coming off. Besides the great economy of thus using an iron band covered with an ornamental sheet band, I am enabled to apply the ornamental band and lining to a wheel after it has been completed. The vehicle can be made ready for the market with the iron band, and orders for the ornamental band filled by simply adding the band F and lining C.

I am aware that the lining C, spun around the internal flange A, is not new, and I do not claim it *per se*.

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

1. An iron hub-band covered with a sheet-metal ornamental band locked in place by the lining C, substantially as and for the purpose described.
2. An iron hub-band countersunk to receive the screws for attaching it to the hubs and the whole covered by a sheet-metal ornamental band locked in place by the lining C, substantially as and for the purpose described.

WILLIAM LE B. HAWES.

Witnesses:

EDWARDS RITCHIE,  
H. C. BEDINGER.