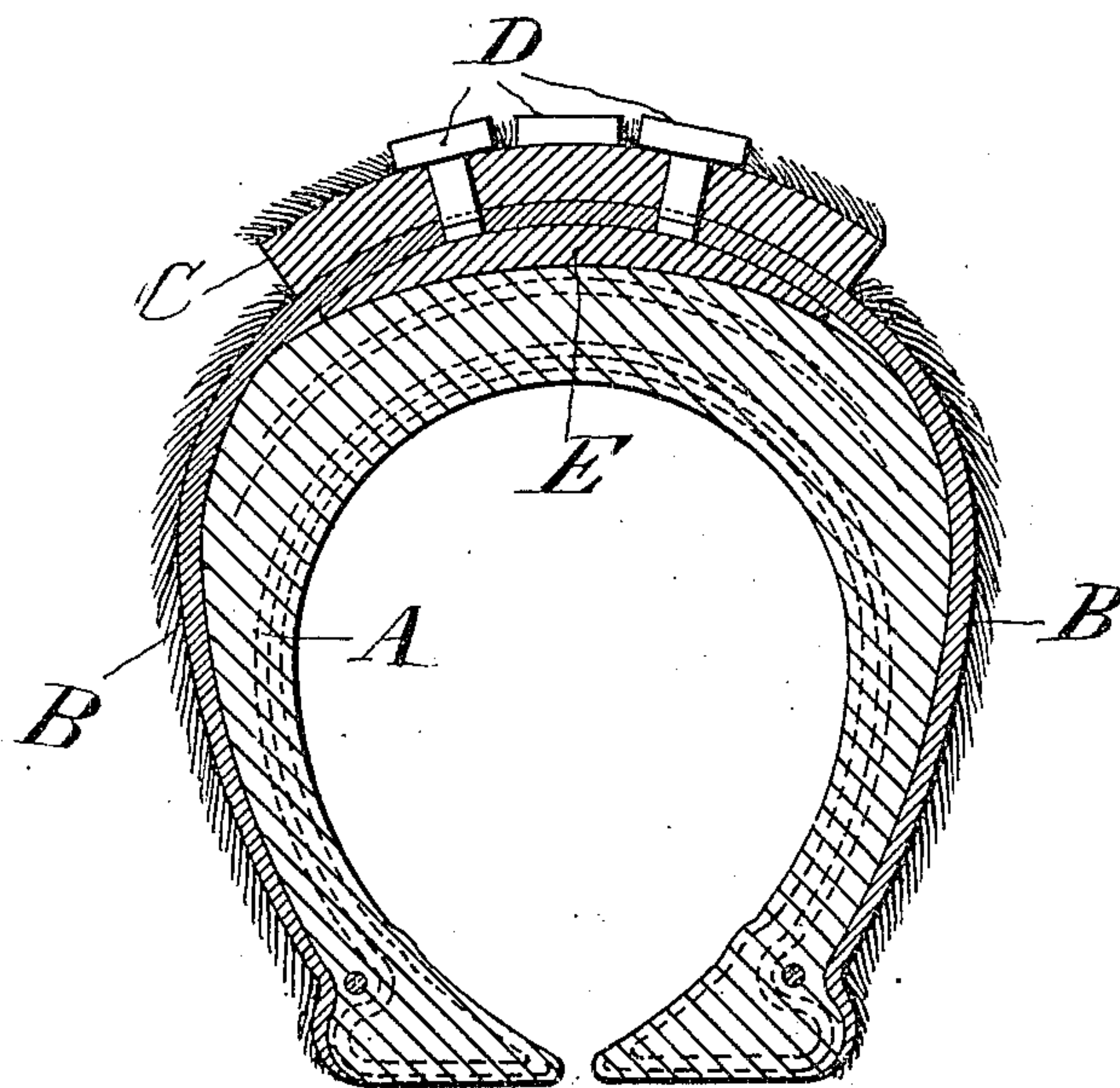


No. 825,715.

PATENTED JULY 10, 1906.

E. FORTIER-BEAULIEU.  
COVER FOR PNEUMATIC TIRES.  
APPLICATION FILED OCT. 11, 1905.



Witnesses

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# UNITED STATES PATENT OFFICE:

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## COVER FOR PNEUMATIC TIRES.

No. 825,715.

Specification of Letters Patent.

Patented July 10, 1906.

Application filed October 11, 1905. Serial No. 282,353.

*To all whom it may concern:*

Be it known that I, EDOUARD FORTIER-BEAULIEU, a citizen of France, residing at Roanne, Loire, France, have invented certain new and useful Improvements in Protecting Devices for Pneumatic Tires, of which the following is a specification.

This invention relates to devices for protecting the pneumatic tires of vehicles from injuries, wherein leather tanned with the hair on is employed in the protecting means. It will be understood that by leather tanned with the hair on is meant leather from skins having the hair on, whether the latter be left its full length or cropped to any length desired. For simplicity such leather will be herein referred to as "hair-leather."

The object of the invention is in part to cover the thick shoe of the tire with a mantle of hair-leather having the hair on the outside. Another is to provide the tire with an outer trade-band of hair-leather studded with headed metal rivets, the latter extending inward through the mantle and serving to connect said mantle and tread, and another is to provide a protecting-band of hair-leather disposed between the shoe and the mantle and between the said rivets and said shoe to protect the shoe from the rivets.

In the drawing the view is a cross-section of the tire with the air-tube omitted.

The shoe A may be made, as usual, of alternate layers of rubber and woven fabric. There is no novelty in this. The shoe is covered exteriorly with a mantle B of hair-leather with the hair disposed exteriorly or on the outside.

On the mantle B is mounted a tread C, also of hair-leather, with the hair disposed outwardly. This tread is in the form of a strip of uniform width, and it is secured to the mantle A by means of headed metal rivets D, which extend inwardly through the mantle

and are riveted at their inner ends. Such rivets or studs are not in themselves new in this art.

Between the shoe A and the mantle B is a protecting band or strip E of hair-leather, disposed between the shoe and the inner ends of the rivets or studs, as clearly shown. This band protects the shoe from injury by the rivets. The band E may be cemented to the shoe in order to keep it in place.

The hair side or face of the leather being exposed outwardly serves as a protection, for the reason that this face of the leather is more resistant to injury from almost all causes than is the other side or face.

Having thus described my invention, I claim—

1. A protecting device for a pneumatic tire, having a protecting-mantle of leather with the hair on, the hair side or face of said leather being disposed outwardly.

2. A protecting device for a pneumatic tire, having a shoe, and a mantle covering said shoe, said mantle being of leather tanned with the hair on, and said leather having its hair side or face disposed outwardly.

3. A protecting device for a pneumatic tire, comprising a shoe A, a mantle B over said shoe, said mantle being of hair-leather with the hair side disposed outwardly, a tread C, also of hair-leather with the hair side thereof disposed outwardly, headed rivets D which extend through the mantle and tread and secure them together, and a strip of hair-leather E, interposed between the mantle B and the shoe A, as set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

EDOUARD FORTIER-BEAULIEU.

Witnesses:

MARIN VACHON,  
PAUL VEYRE.