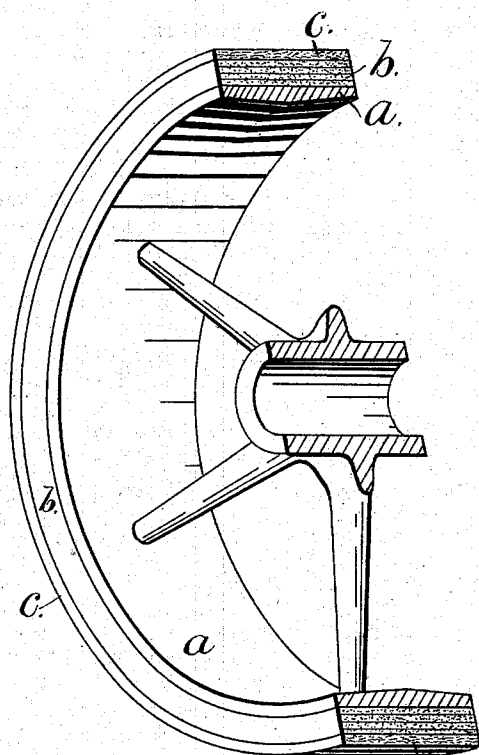


(No Model.)

W. W. CAMPBELL.
PULLEY COVERING.

No. 276,559.

Patented May 1, 1883.



WITNESSES:

H. P. Wood,
E. E. Siebler

INVENTOR:

William W. Campbell

UNITED STATES PATENT OFFICE.

WILLIAM W. CAMPBELL, OF INDIANAPOLIS, INDIANA, ASSIGNOR OF ONE-HALF TO WILLIAM H. THOMAS, OF SAME PLACE.

PULLEY-COVERING.

SPECIFICATION forming part of Letters Patent No. 276,559, dated May 1, 1883.

Application filed March 8, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. CAMPBELL, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Improvement in Pulley-Covering, of which the following is a specification, having reference to the accompanying drawing.

My invention relates to a covering for the periphery of a pulley for transmitting power by means of belts or frictional contact.

The objects of my invention are, first, to provide a means for causing a leather or canvas covering to adhere to the pulley more strongly than has heretofore been possible without the use of rivets; and, further, to provide a pulley-covering which shall have a good wearing-surface and at the same time be slightly elastic.

It has heretofore been found difficult, if not impossible, to fasten a leather or canvas covering to the periphery of a pulley, particularly if the pulley was of iron, by means of an adhesive cement of any kind, so that it would remain for any considerable length of time. Such coverings have therefore usually been secured to the pulley by rivets.

I have discovered that when a layer of ordinary straw paper or pasteboard is placed between the leather or canvas covering and the surface of the pulley an adhesive cement,

when applied to both surfaces of the paper, will unite firmly with the surface of the pulley and with the leather, and a covering is produced that will not start or peel up from the pulley, but will remain fast until worn out. I find also that when several layers of paper are used, the first being cemented to the pulley, and each succeeding layer cemented to the others, and the leather or canvas then cemented to the outer layer of paper, a covering is produced which, when a belt is run thereon, yields slightly to the pressure, thus causing the belt to set very closely thereto, and preventing any slipping of the belt.

The accompanying drawing illustrates my invention.

The figure represents a sectional view of an iron pulley covered as I have described.

a is the rim of the pulley, *b* is the paper, and *c* the outside covering.

I claim as my invention—

The combination, with a pulley and a leather or canvas covering therefor, of one or more layers of paper interposed between and cemented to said pulley and said covering, substantially as and for the purpose set forth.

WILLIAM W. CAMPBELL.

Witnesses:

H. P. HOOD,
FRANK. A. JACOB.