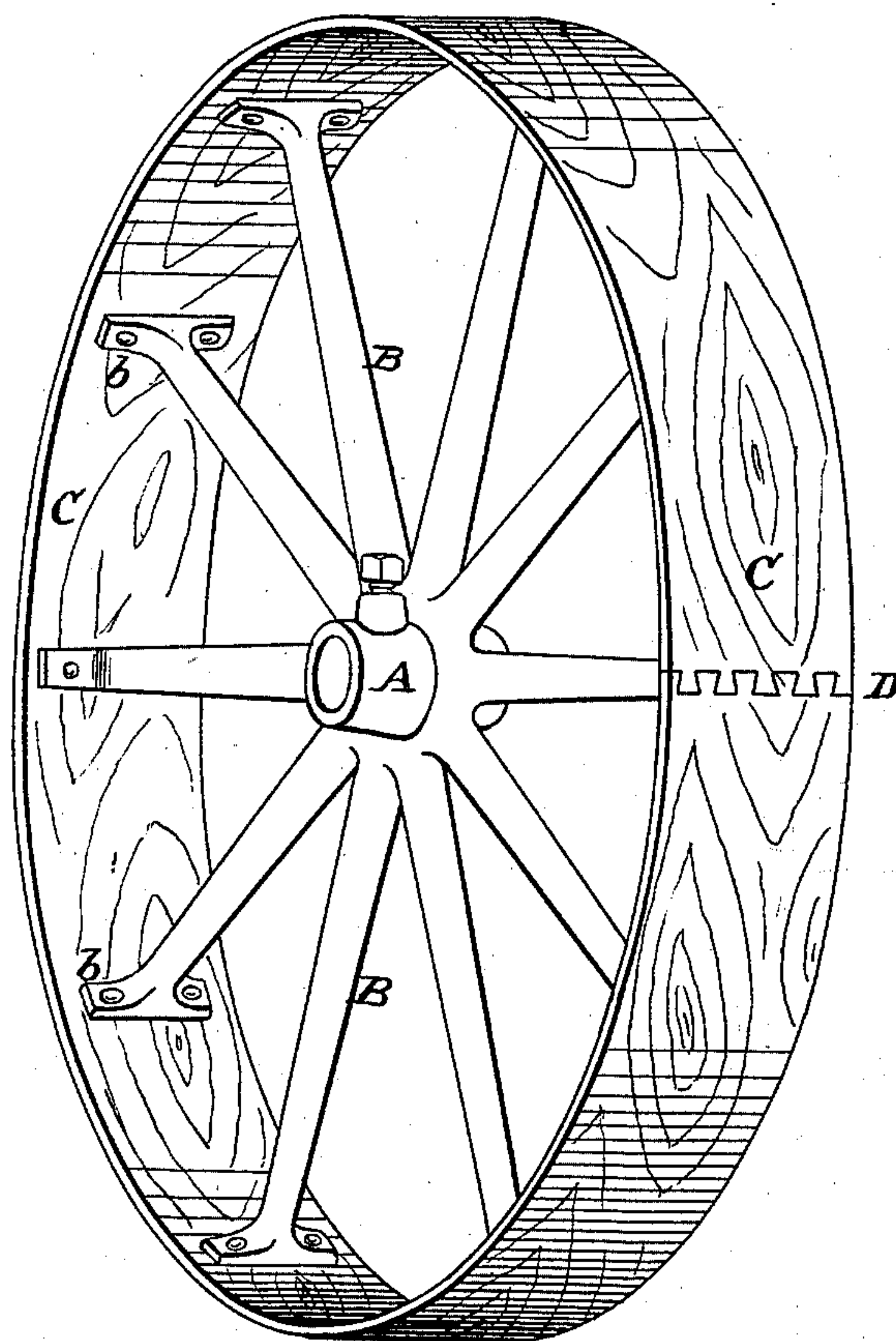


P. MEDART.  
Belt-Pulley.

No. 216,095.

Patented June 3, 1879.



ATTEST:

*Robert Burns.*  
*P. Medart*

INVENTOR:

*Philip Medart*

# UNITED STATES PATENT OFFICE

PHILIP MEDART, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF HIS  
RIGHT TO WILLIAM MEDART, OF SAME PLACE.

## IMPROVEMENT IN BELT-PULLEYS.

Specification forming part of Letters Patent No. **216,095**, dated June 3, 1879; application filed  
March 26, 1879.

*To all whom it may concern:*

Be it known that I, PHILIP MEDART, of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Belt-Pulleys; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

This invention consists in the construction of a belt-pulley with metal hub and arms and a rim formed of bent wood, the said rim being secured to bracket-lugs formed on the ends of the arms of the pulley. The bent-wood rim may be formed in sections, and the ends where they meet will be united by a dovetail lap or other joint.

The drawing is a perspective view illustrating my invention.

A represents the hub of the pulley, and B the arms, which may be cast in one piece with the hub. These arms are provided with bracket-lugs *b*, to which is secured the rim C of the wheel by means of screws or rivets.

The rim is formed of wood bent to the required curvature, and the joint where the ends meet are dovetailed together, as shown at D.

Instead of the dovetail joint a lap or other form of joint may be used.

The rim may be formed of one piece of wood bent into a circle, or made in any required number of sections, as desired. After the pulley is made the outer surface may be turned off, so as to remove any irregularities there may be in the face of the pulley.

By my invention a cheap, light, durable, and evenly-running pulley is formed, possessing all the advantages of a metal pulley for strength and lightness, with those of an ordinary wooden-faced pulley for traction on the belt.

Having thus fully described my invention, what I claim is—

1. A bent-wood rim for belt-pulleys formed of a single thickness of wood, as set forth.
2. The belt-pulley wheel formed with a metal hub and arms that have transverse bracket-lugs at their ends and a bent-wood rim, as and for the purpose set forth.

PHILIP MEDART.

Witnesses:

ROBERT BURNS,  
WM. MEDART.