

(No Model.)

G. W. NOCK.
PULLEY.

No. 487,491.

Patented Dec. 6, 1892.

Fig. 1.

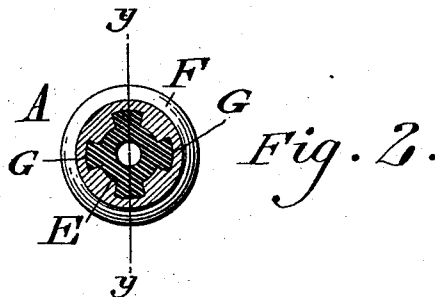
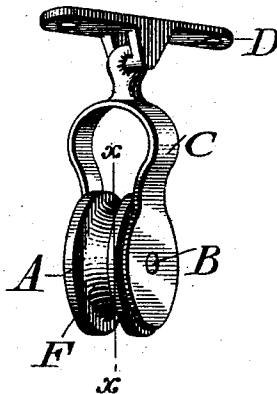
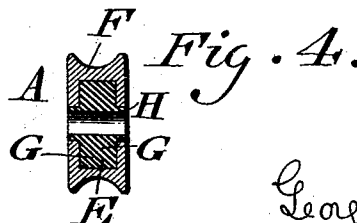
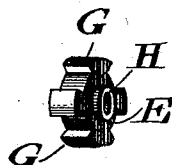


Fig. 3.



WITNESSES:

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PULLEY.

SPECIFICATION forming part of Letters Patent No. 487,491, dated December 6, 1892.

Application filed May 12, 1892. Serial No. 432,712. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. NOCK, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Pulleys, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a pulley formed of a core and of a rim of different metals solidly united, as will be hereinafter set forth.

Figure 1 represents a perspective view of a pulley embodying my invention. Fig. 2 represents a section on line *xx*, Fig. 1. Fig. 3 represents a perspective view of the core of the pulley. Fig. 4 represents a section on line *yy*, Fig. 2.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a pulley, and B the axis or axial pin thereof, said axis being supported on a frame C, which depends from the hanger D or any other suitable means. The pulley consists of the central core E and the circumferential rim F around the same. Radiating from the core are tongues G, which are of dovetail form and embedded in the rim F. At the sides of the

core are the bosses H, which are also embedded in the rim, said bosses and core having an opening through the same for the axial pin B.

The core, bosses, and tongues are formed of iron, and the rim is formed of hard white metal, while the pin is preferably brass, the core with its parts being placed in a mold and the rim cast over or upon the same.

It will be seen that I produce comparatively a white metal pulley, which is strengthened by the iron core, the latter being of a more durable nature, owing to the requirement of running on the pin, while said pin, being of brass, causes the pulley to run free and easy thereon.

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

A pulley formed of a central core, having radiating wedge-shaped tongues and side bosses and a surrounding rim embracing said tongues and bosses, said core and rim being of different metals, said parts being combined substantially as described.

GEORGE W. NOCK.

Witnesses:

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