

(No Model.)

E. B. MARTINDALE.

WHEEL OR PULLEY.

No. 305,703.

Patented Sept. 23, 1884.

Fig. 1.

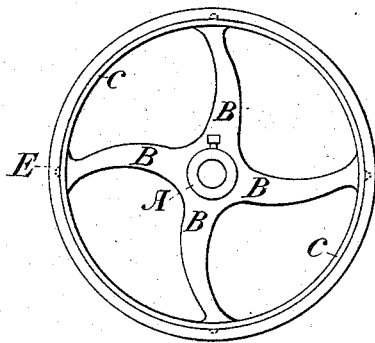


Fig. 2.

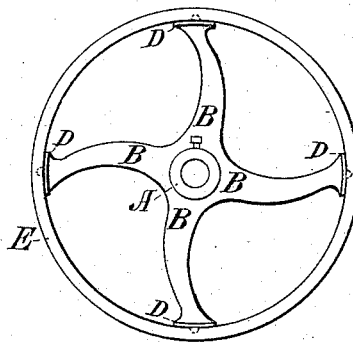
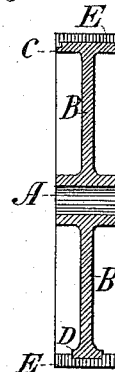


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

ELIJAH B. MARTINDALE, OF INDIANAPOLIS, INDIANA.

WHEEL OR PULLEY.

SPECIFICATION forming part of Letters Patent No. 305,703, dated September 23, 1884.

Application filed April 9, 1884. (No model.)

To all whom it may concern:

Be it known that I, ELIJAH B. MARTINDALE, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Wheels or Pulleys, of which the following is a specification.

My said invention consists of a combination wheel or pulley, the hub, arms, and rim, if one is required, being of metal, and the face or periphery of the wheel or pulley being of paper, pasteboard, or other like material. The said hub, arms, and rim, if required, and one flange around the rim or lugs on the end of the arms, may be cast in one piece. The paper, pasteboard, or other like material is pasted together and subjected to heavy pressure until they are compact and solid. These blocks of paper, after being thus pressed, are cut into rings to exactly fit over the rim or over the ends of the arms, where no rim is used, and the rings of paper thus made are forced closely over the rim or arms, and secured there and together by means of lugs, flanges, rivets, wires, bolts, or dowels. The face of the pulley, being thus formed of the edge of the paper, is trimmed and finished and given a solid and adhesive surface for the belt or other purpose.

Referring to the accompanying drawings, which are made a part hereof, and on which similar letters of reference refer to similar parts, Figure 1 is the side elevation of a wheel or pulley made in the manner indicated, and having a rim for the paper face to bear upon. Fig. 2 is a side elevation of a wheel or pulley made in the manner indicated, and having no

iron rim, but the paper rings resting upon the ends of the arms. Fig. 3 is a vertical section of such pulley, the upper end showing a metal rim and the lower end the paper rings resting upon the arms.

The letter A represents the hub, cast and turned to fit the shaft, and provided with set-screw or key-seat. B B B B are the arms. C C is the rim, where one is used, and D D D D the ends of the arms on which the paper rests when there is no rim used.

E is the paper face or rim, the edge of the paper forming the face of the wheel. The paper rim will be found sufficiently stiff to make a solid pulley resting on the ends of the arms.

The present invention is an improvement upon that shown in the Patent No. 286,322, granted me October 9, 1883.

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

1. A paper rim or facing for pulleys, secured to such pulley by fastenings projecting from the main frame of the pulley, substantially as described.

2. A paper rim or facing for pulleys, secured to such pulley by fastenings formed integral with the main frame of the pulley, substantially as described.

Witness my hand this 29th day of March, 1884.

ELIJAH B. MARTINDALE.

Witnesses:

GUSTAV BOHN,

LYNN B. MARTINDALE.