

(No Model.)

E. B. MARTINDALE.
SHEAVE WHEEL.

No. 286,323.

Patented Oct. 9, 1883.

Fig. 1.

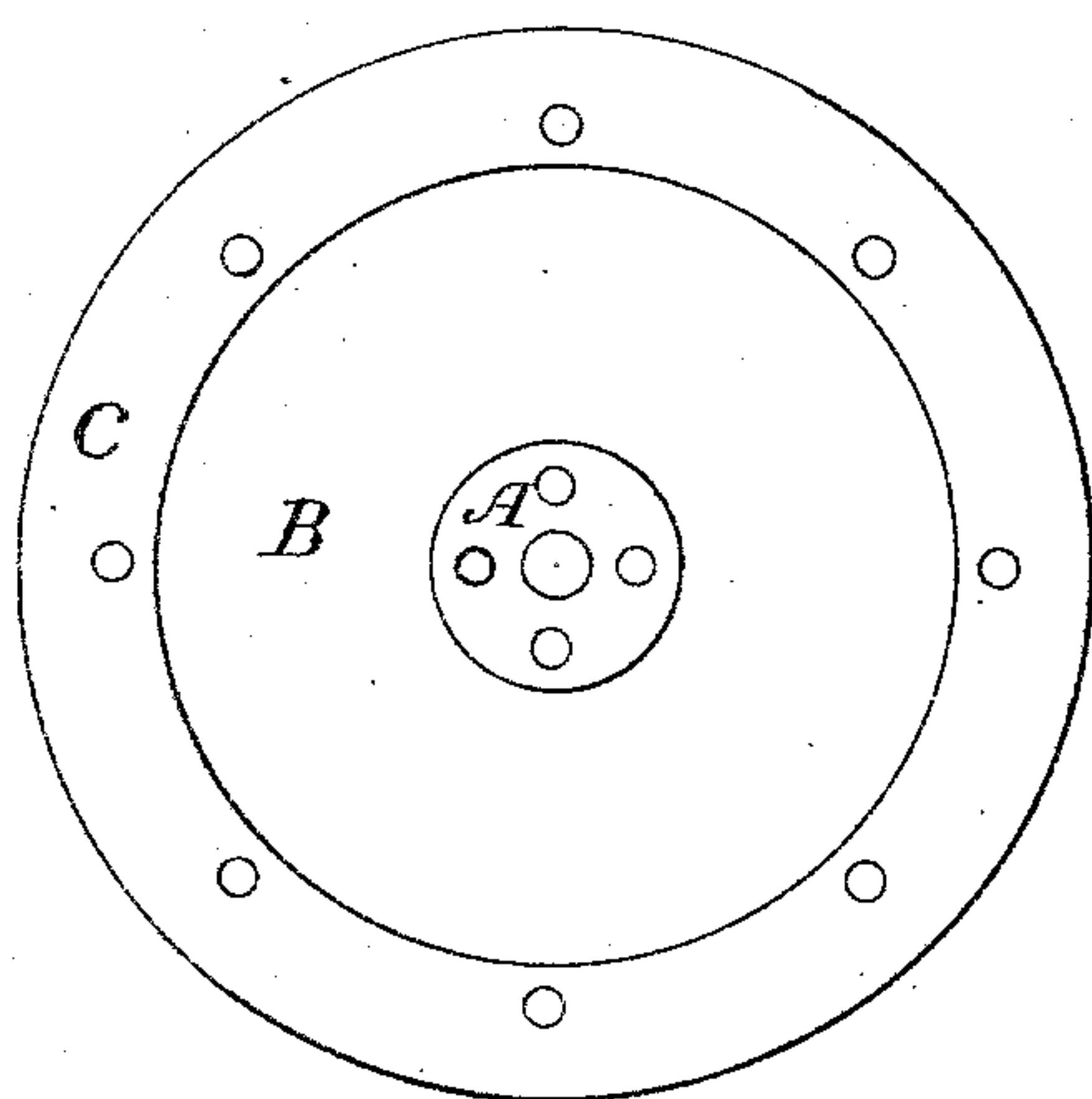
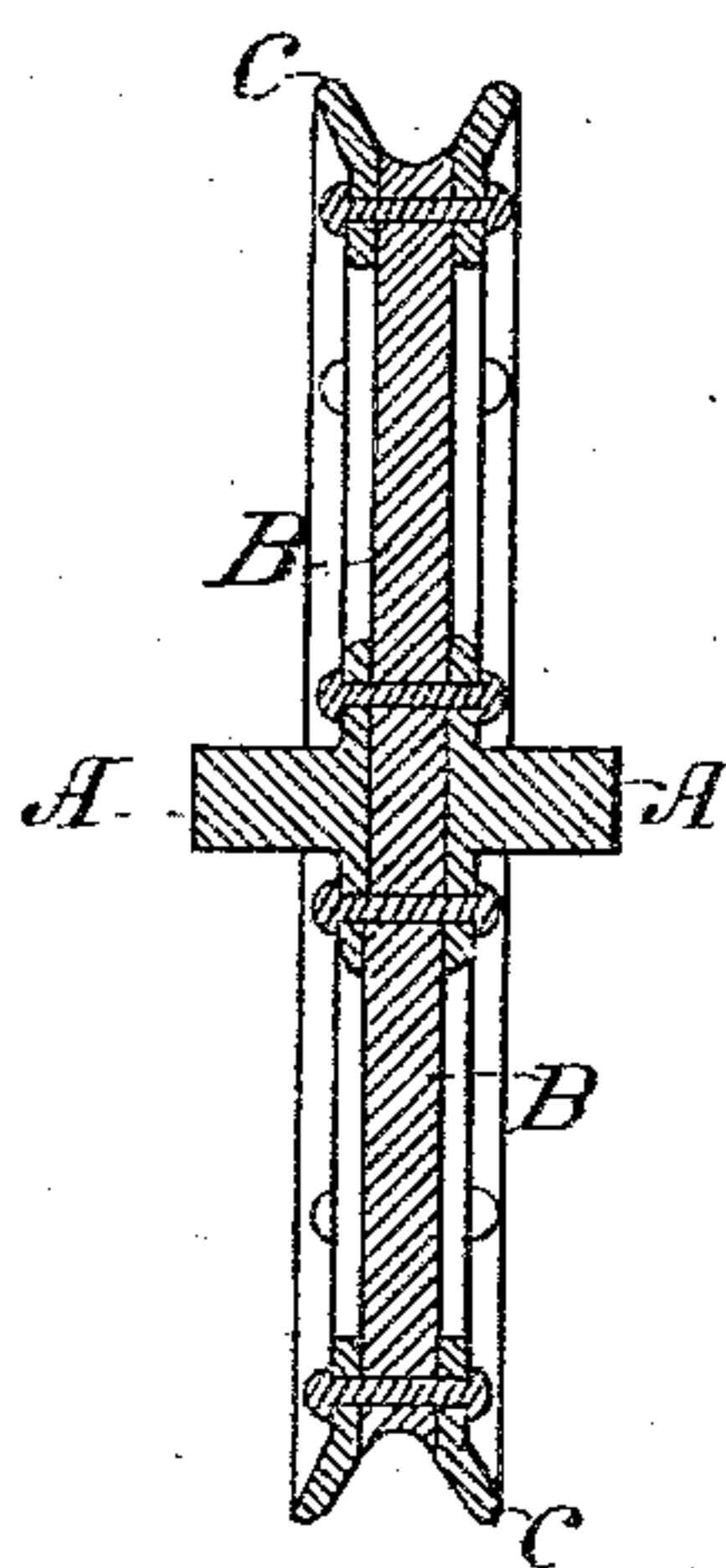


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

ELIJAH B. MARTINDALE, OF INDIANAPOLIS, INDIANA.

SHEAVE-WHEEL.

SPECIFICATION forming part of Letters Patent No. 286,323, dated October 9, 1883.

Application filed March 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, ELIJAH B. MARTINDALE, of the city of Indianapolis, county of Marion, and State of Indiana, have invented certain
5 new and useful Improvements in Sheave-Wheels, of which the following is a true and accurate specification.

The object of my said invention is to produce a strong and durable sheave-wheel for
10 cables to run upon, the body of which is made of paper or pasteboard, the central portion, consisting of a disk or block, made by pasting and pressing the sheets together into a compact body, and riveting an iron hub upon the
15 same when desired, and riveting a flange, of iron or steel, around on either side of the periphery of the paper disk when required to give additional strength, as herein more particularly described.

Referring to the accompanying drawings, which are made part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a side elevation of my improved sheave-wheel, and Fig. 2 is a central
25 vertical section of the same.

In said drawings, the portion marked A represents the iron hub, B represents the paper disk, and C represents the metal flange riveted on the periphery of the paper web. This may
30 be dispensed with by riveting the periphery of the paper web and cutting a groove in the same to hold the cable.

I disclaim the use of paper in the construction of car-wheels or belt-pulleys.

35 Having thus fully described my said inven-

tion, what I claim as new, and desire to secure by Letters Patent, is—

1. The use of paper or pasteboard pasted and pressed together into a solid block or disk, to be used in the construction of sheave-wheels, 40 substantially as set forth.

2. A sheave-wheel for cables to run upon, made either wholly or partly of paper or pasteboard by pasting and pressing the same together into a solid disk or block, and strength- 45 ening the periphery or rim of the same by means of rivets alone, or rivets and metal flanges, and securing a metal hub in the center when desired, substantially as set forth.

3. A composite sheave-wheel composed of a 50 paper disk, a metal hub, and metal flanges riveted around the periphery of the disk, on either side of the same, to hold the cable to its place, or with rivets through the outer edge to hold the paper to place on either side of the groove 55 formed in the face of the same for the cable to run upon, substantially as set forth.

4. A sheave-wheel for cables to run upon, made of paper, pasteboard, or other like material by pasting and pressing the same into 60 a solid block or disk, the periphery or rim of which is grooved and strengthened by rivets or metal flanges riveted around the outer edge, and securing a metal hub with projecting pin- tles in the center, substantially as set forth.

ELIJAH B. MARTINDALE.

Witnesses:

LOUIS A. BUDENZ,
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