

(No. Model.)

H. H. FULTON & O. R. OLSEN.

PULLEY.

No. 278,425.

Patented May 29, 1883.

Fig. 1.

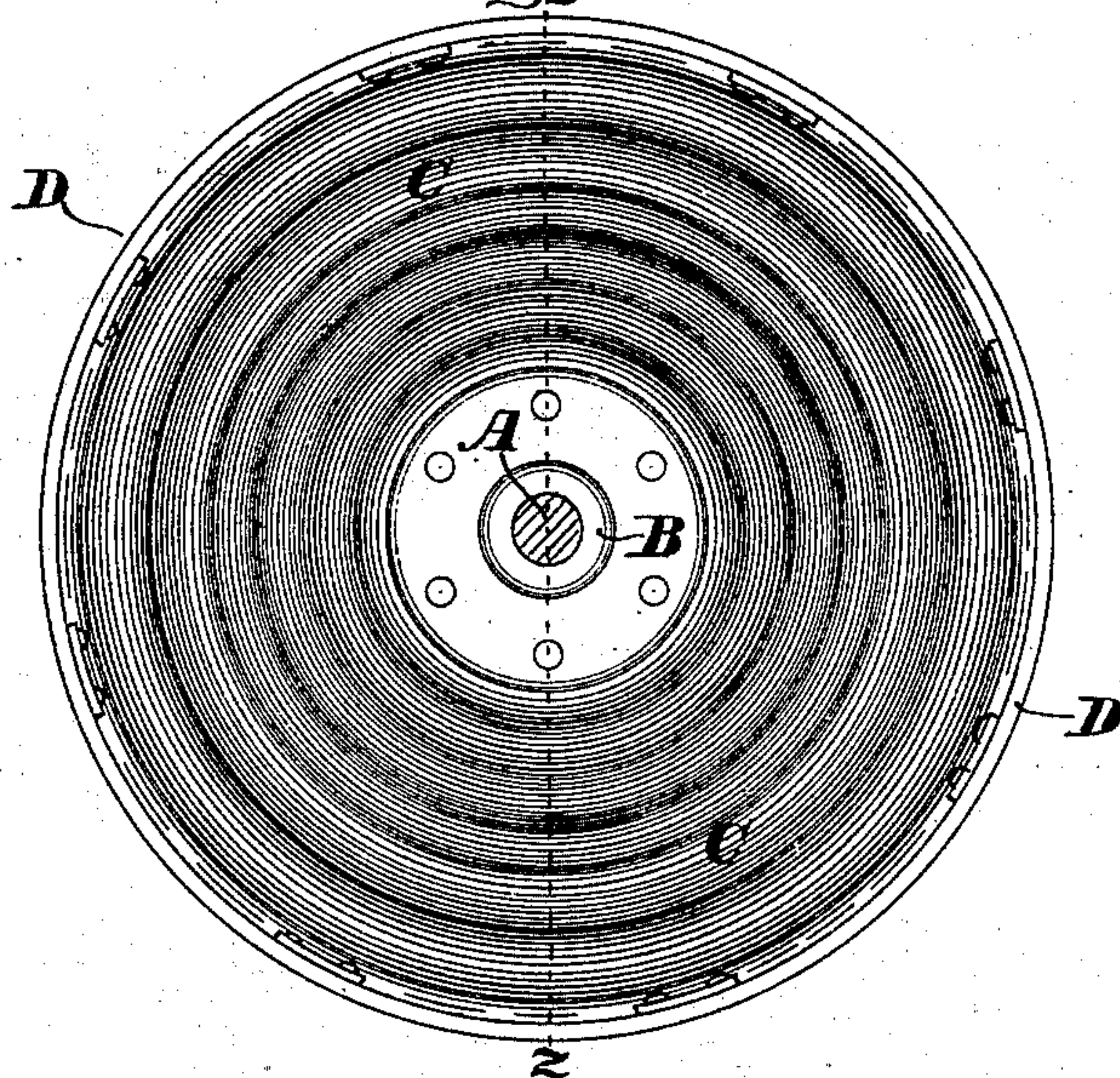


Fig. 2.

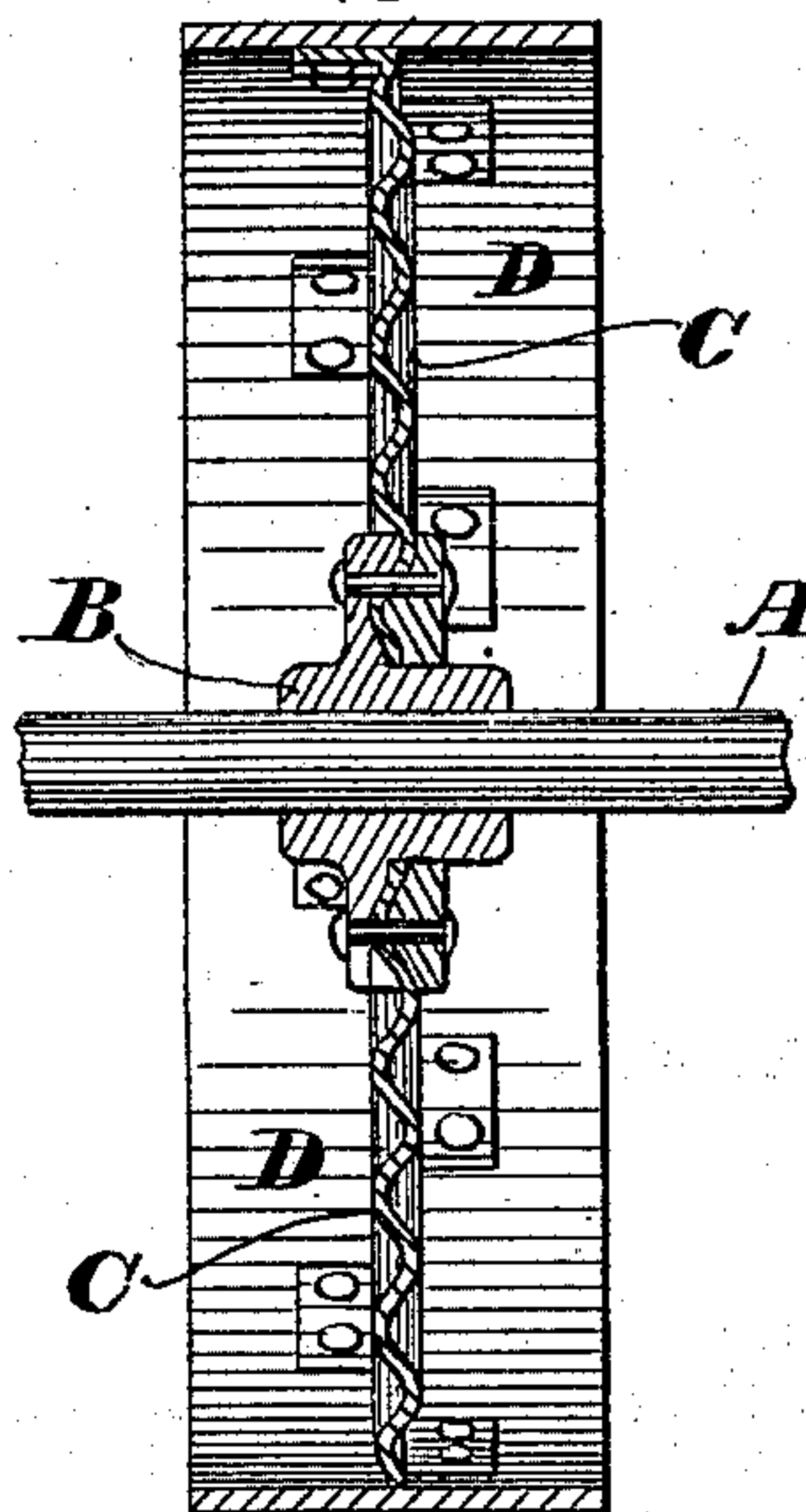


Fig. 3.

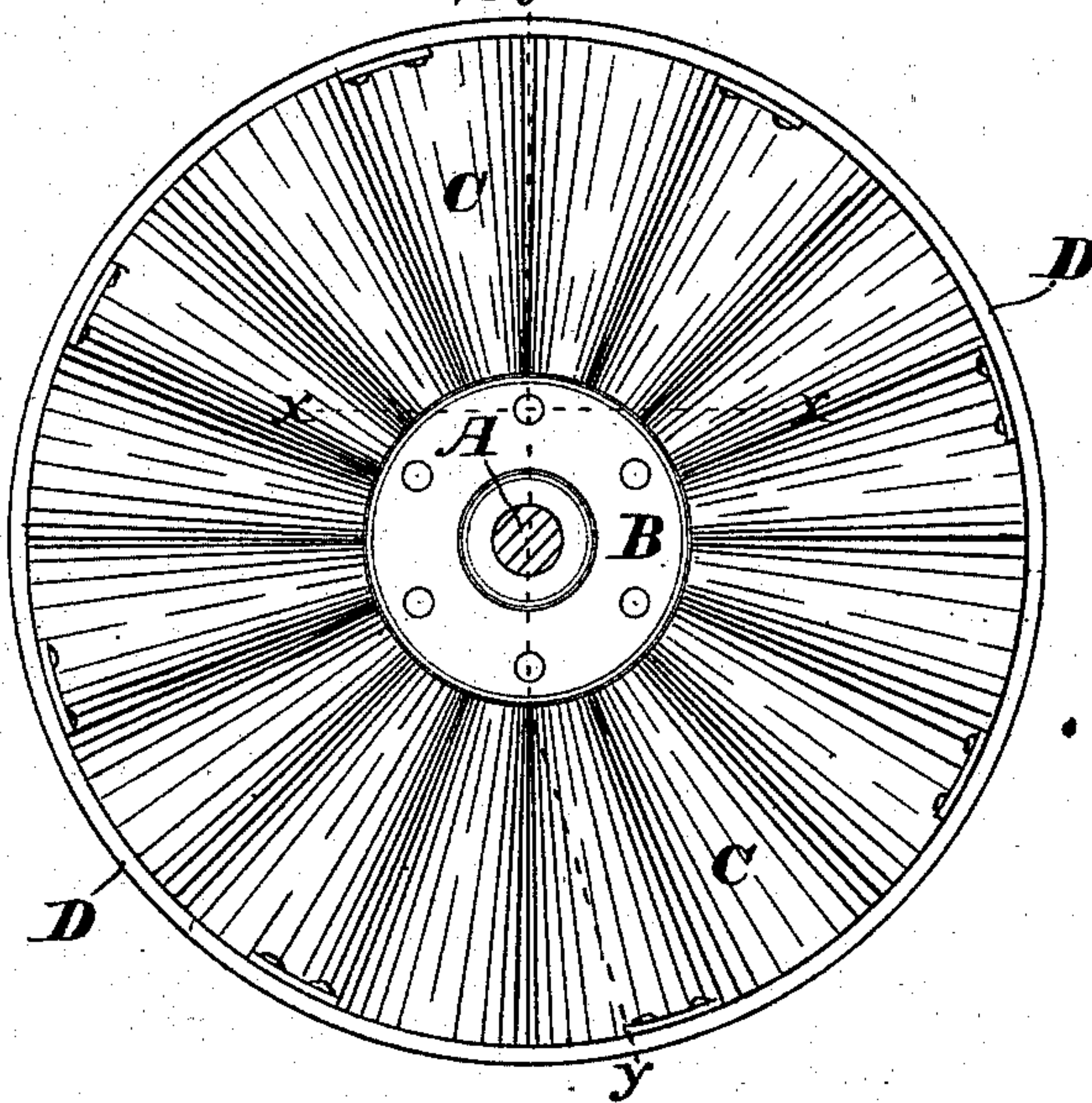


Fig. 4.

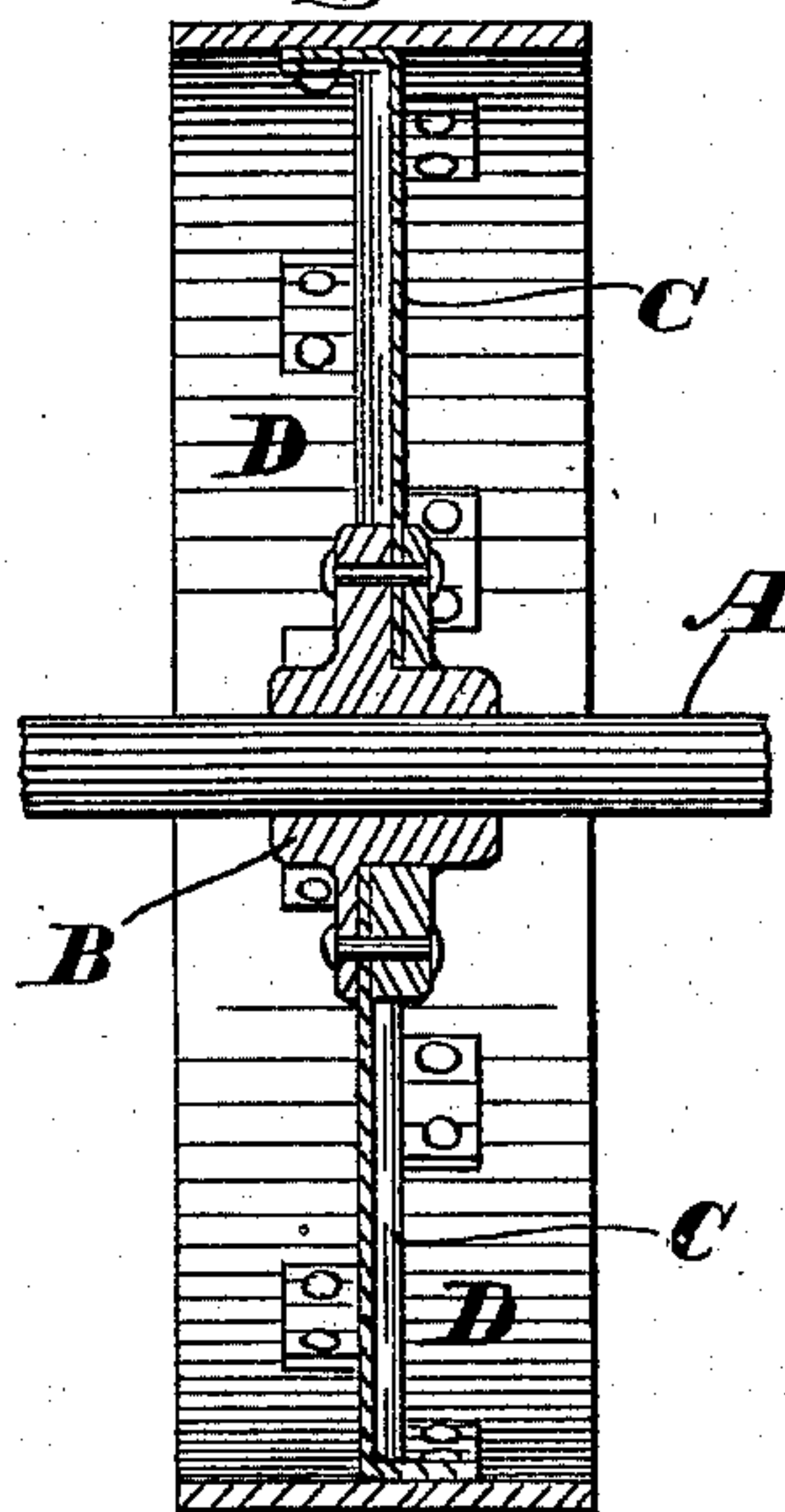
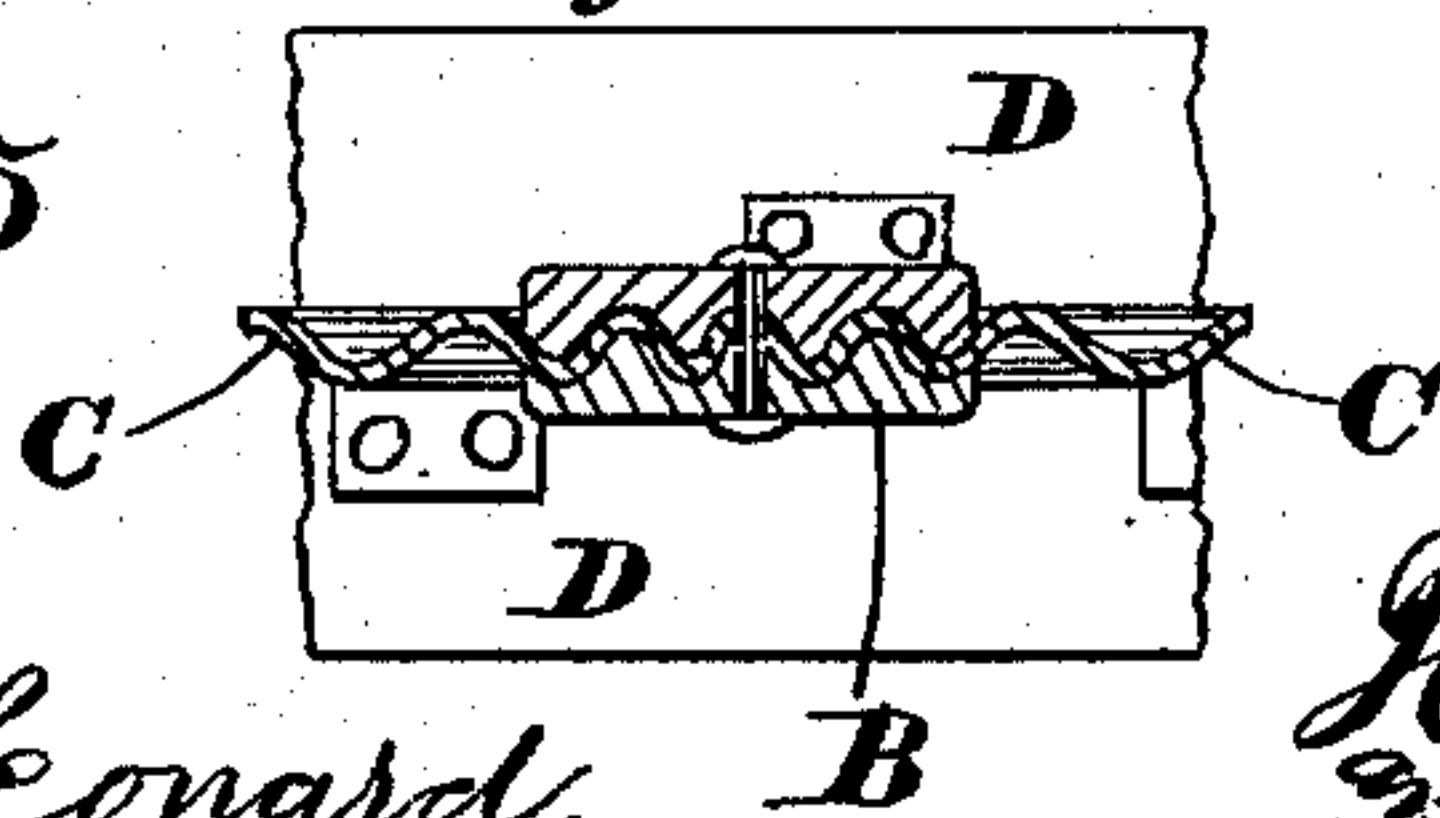


Fig. 5.



WITNESSES.

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HARMON H. FULTON AND OLAF R. OLSEN, OF INDIANAPOLIS, INDIANA,
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SAME PLACE.

PULLEY.

SPECIFICATION forming part of Letters Patent No. 278,425, dated May 29, 1883.

Application filed March 13, 1883. (No model.)

To all whom it may concern:

Be it known that we, HARMON H. FULTON and OLAF R. OLSEN, of the city of Indianapolis, county of Marion, and State of Indiana, have
5 invented certain new and useful Improvements in Pulleys, of which the following is a specification.

Our said invention relates to that class of pulleys the web and rim of which are constructed separately and afterward attached together; and it consists in providing for such a pulley a web composed of corrugated sheet metal.

Referring to the accompanying drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a side elevation of a pulley embodying our said invention; Fig. 2, a central vertical section of the same on the dotted line *z z*; Fig. 3, a view similar to Fig. 1, except that it illustrates an alternate construction; Fig. 4, a central vertical section of the same on the dotted line *y y*; and Fig. 5, a detail horizontal sectional view, looking upwardly from the dotted line *x x* in Fig. 3.

In said drawings, the portions marked A represent the shaft on which the pulley is mounted; B, the hub; C, the web, and D the rim.

The hub B is mounted on the shaft A in the ordinary manner, and, except in being corrugated to fit the corrugated sheet-metal web, is of a well-known form. The corrugations on one are formed to fit into those of the other, so as to clamp the web tightly when said web
35 is placed between them.

The web C is made of any kind of sheet metal

desired, a light, tough sheet-steel being deemed preferable. The corrugations may be circumferential, as shown in Fig. 1, or radial, as shown in Fig. 2, or serpentine, as may be desired or preferred by the maker of the pulleys, it being obvious that nearly any form of corrugations will serve our purpose of stiffening sheet metal so that it will be a fit material for pulley-webs, and we do not, therefore,
45 desire to limit ourselves in this particular.

The rim D is an ordinary sheet or hoop metal rim, and is secured to the web by rivets. Small angle-irons may be employed; or projections may be cut on the edge of the web and bent each way, as shown, to take the place of the separate angle-irons.

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

1. In a pulley, the combination, with the hub and rim, of a web formed of corrugated sheet metal, substantially as set forth.

2. The combination of the hub B, formed of two parts with corrugated faces, the web C, corrugated and formed to fit between the two parts of the hub, and the rim D, secured to the periphery of the web, forming a pulley, substantially as set forth.

In witness whereof we have hereunto set our hands and seals, at Indianapolis, Indiana, this 10th day of March, A. D. 1883.

HARMON H. FULTON. [L. S.]
OLAF R. OLSEN. [L. S.]

In presence of—

C. BRADFORD,
E. W. BRADFORD.