

(No Model.)

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

PULLEY.

No. 282,513.

Patented Aug. 7, 1883.

Fig. 1.

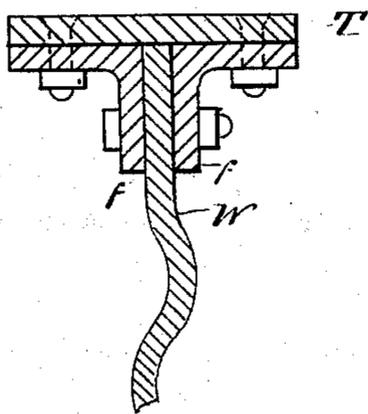


Fig. 2.

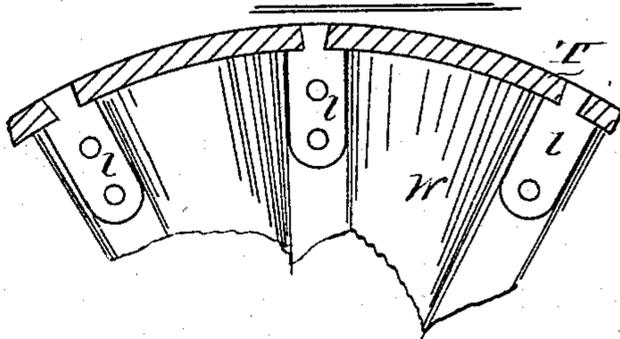


Fig. 3.

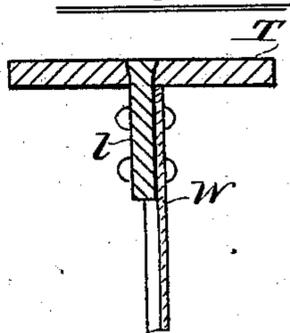


Fig. 4.

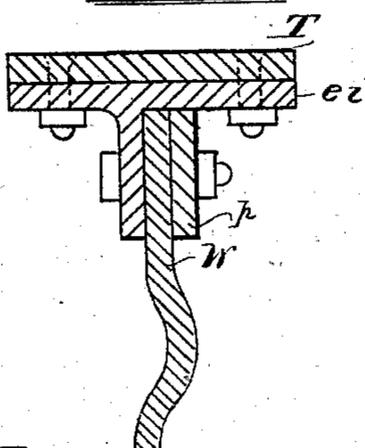


Fig. 6.

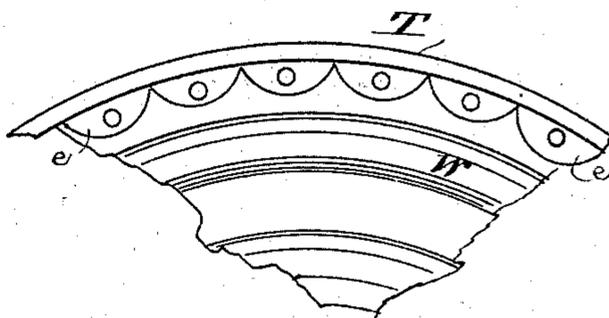
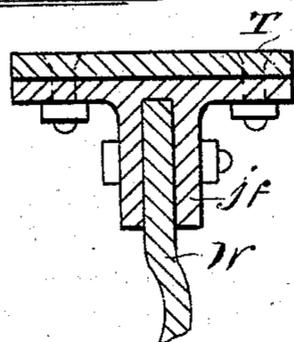


Fig. 5.



WITNESSES.

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HARMON H. FULTON AND OLAF R. OLSEN, OF INDIANAPOLIS, INDIANA,
ASSIGNORS TO THE INDIANAPOLIS MACHINE AND BOLT WORKS, OF SAME
PLACE.

PULLEY.

SPECIFICATION forming part of Letters Patent No. 282,513, dated August 7, 1883.

Application filed June 9, 1883. (No model.)

To all whom it may concern:

Be it known that we, HARMON H. FULTON and OLAF R. OLSEN, of Indianapolis, Indiana, have invented a new and useful Improvement in Pulleys, of which the following is a description, reference being made to the accompanying drawings, in the several figures of which like letters indicate like parts.

Our invention relates to means for attaching sheet-metal webs to iron pulley-rims, and we illustrate several ways of doing this in the drawings.

In Figure 1 is shown in vertical section a portion of a pulley-wheel in which T is the tire or rim, *w* the web of corrugated sheet-metal, and *f f* are angle-arms, which may be of any desired length, or may extend clear around the rim on the under side, and the web is bolted through between the angle-arms, and these latter are bolted to the rim with tire-bolts.

In Fig. 2 is shown a side view of another method of attachment. This web W is corrugated vertically or radially, and lugs *l* are bolted to the side of the web and have heads which pass through the rim T and are riveted down flush with the outside of the rim.

In Fig. 3 we show a cross-section of the rim and vertical section of the web and lug shown in Fig. 2.

Fig. 4 is a vertical section of a part of a pulley showing another method. As before, T is the rim, and W the web—*i. e.*, a T-shaped flange bolted to the rim with tire-bolts, and to its downward-projecting arm the web is bolted, a square plate or washer, *p*, being placed on the other side of the webs, as shown.

Fig. 5 is a vertical section of a portion of a pulley in which T is the rim, *j f* a jawed flange bolted to the rim, and the web W enters

the jaw, and a bolt passes through all, as shown.

Fig. 6 is a side view of another form, in which T is a rim, having scalloped-shaped ears *e* integral therewith, to which ears the web W is bolted, as shown. Instead of these ears, a continuous flange could be used.

What we claim, and desire to secure by Letters Patent, is the following:

1. A pulley-wheel wherein a corrugated metal web is secured to the under side of a solid rim by means of angle-irons, substantially as described.

2. A pulley-wheel wherein a corrugated metal web is secured to the under side of a solid rim by means of a T-shaped lug, substantially as described.

3. A pulley-wheel wherein a metal web, corrugated, is secured to a solid rim by means of plates bolted to the web and headed down through the rim, substantially as described.

4. A pulley-wheel wherein a corrugated metal web is secured between the jaws of a flange bolted to the rim, substantially as described.

5. A pulley-wheel wherein a corrugated web is secured to a rim by means of ears which are integral with the rim, substantially as described.

6. A pulley-wheel wherein a corrugated web is secured to a rim by means of a continuous flange on the under side of the rim and integral therewith, substantially as described.

In witness whereof we have hereunto set our hands this 5th day of June, 1883.

HARMON H. FULTON.
OLAF R. OLSEN.

Witnesses:

C. P. JACOBS,
W. S. BERGUNDTHAL.