

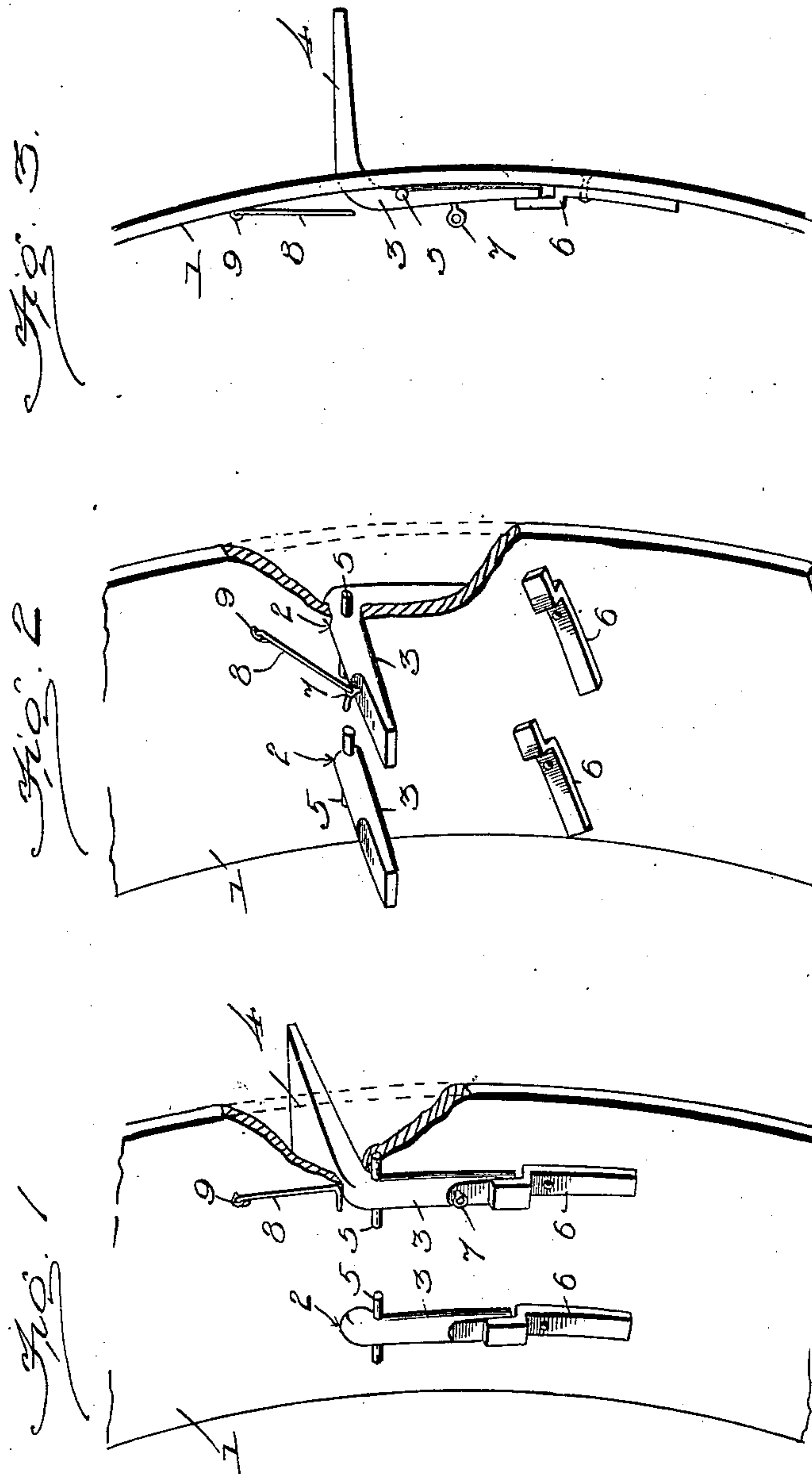
No. 700,661.

Patented May 20, 1902.

J. A. KENNEY.  
TRACTION WHEEL.

(Application filed Aug. 31, 1901.)

(No Model.)



*John A. Kenney* Inventor

Witnesses  
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# UNITED STATES PATENT OFFICE.

JOHN A. KENNEY, OF JENNINGS, LOUISIANA.

## TRACTION-WHEEL.

SPECIFICATION forming part of Letters Patent No. 700,661, dated May 20, 1902.

Application filed August 31, 1901. Serial No. 74,013. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN A. KENNEY, a citizen of the United States, residing at Jennings, in the parish of Calcasieu and State of Louisiana, have invented new and useful Improvements in Traction-Wheels, of which the following is a specification.

My invention relates to traction-wheels especially designed for use on traction-engines; and its object is to provide a traction-wheel with adjustable shoes capable of being projected to enter the surface of the ground and turned down upon the rim of the wheel when desired.

The invention comprises a wheel-rim and a plurality of traction-shoes of novel form in combination with means for securing the shoes in their projected and folded positions.

The construction of the improvement will be fully described hereinafter, in connection with the accompanying drawings, which form part of this specification, and its novel features will be defined in the appended claims.

In the drawings, Figure 1 is a view in perspective of a segment of a traction-wheel embodying the invention, showing the inner side of the wheel-rim and the traction-shoes in their projected position. Fig. 2 is a similar view with the shoes in their folded position, and Fig. 3 is an edge view with the shoes in projected position.

The reference-numeral 1 designates a segment of a traction-wheel rim formed with horizontally-alined openings 2, through which extend parallel arms 3, projecting at right angles from a traction-shoe comprising a plate 4. Each of the arms 3 is formed with a transverse opening to receive a pin 5, the ends of which project on opposite sides of the arm to serve as stops to prevent the withdrawal of the arms 3 from the openings in the wheel-rim.

On the inner surface of the rim 1 are pivotally secured two catches, each comprising a metallic strip 6, bent upwardly at one end to overlap the end of the arms 3 and hold the shoe 4 in its projected position.

One of the arms 3 is provided with an eye 7, adapted to be engaged by a hook 8, loosely secured to an eye 9, projecting from the in-

ner surface of the rim 1. This hook when engaged with the eye 7 secures the shoe in its folded position, as shown in Fig. 2.

The utility and operation of the improvement will be readily understood. In traveling over hard ground or when traction is not required the shoes will be folded flat against the outer surface of the wheel-rim, and when the shoes are necessary to provide traction they are locked in their projected position by the pivoted catches.

It will be understood that the entire wheel-rim is to be equipped with the adjustable shoes, the section or segment shown being sufficient to illustrate the invention.

I claim—

1. The combination with a traction-wheel rim formed with horizontally-alined openings, of a plurality of traction-shoes each having arms extending at a right angle thereto, said arms adapted to extend through said openings, means for securing said shoes in their folded position against the wheel-rim, and means for holding said arms against the inner side of the wheel-rim to project said shoes.

2. The combination with a traction-wheel rim formed with horizontally-alined openings, of a plurality of adjustable shoes each comprising a plate provided with arms extending through said openings, and each having a projecting eye, hooks for engaging said eyes, and catches adapted to engage the ends of said arms to secure the shoes in their projected positions.

3. The combination with a traction-wheel rim formed with horizontally-alined openings, of a plurality of adjustable shoes, each comprising a plate having arms extending through said openings, means for securing said shoes in their folded position against the wheel-rim, and catches pivotally secured to the inner side of the wheel-rim to engage said arms.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN A. KENNEY.

Witnesses:

W. F. HUMPHREY,  
GEO. F. COFFELL.