

(No Model.)

T. T. PROSSER.
TRACTION WHEEL.

No. 253,098.

Patented Jan. 31. 1882.

Fig. 1.

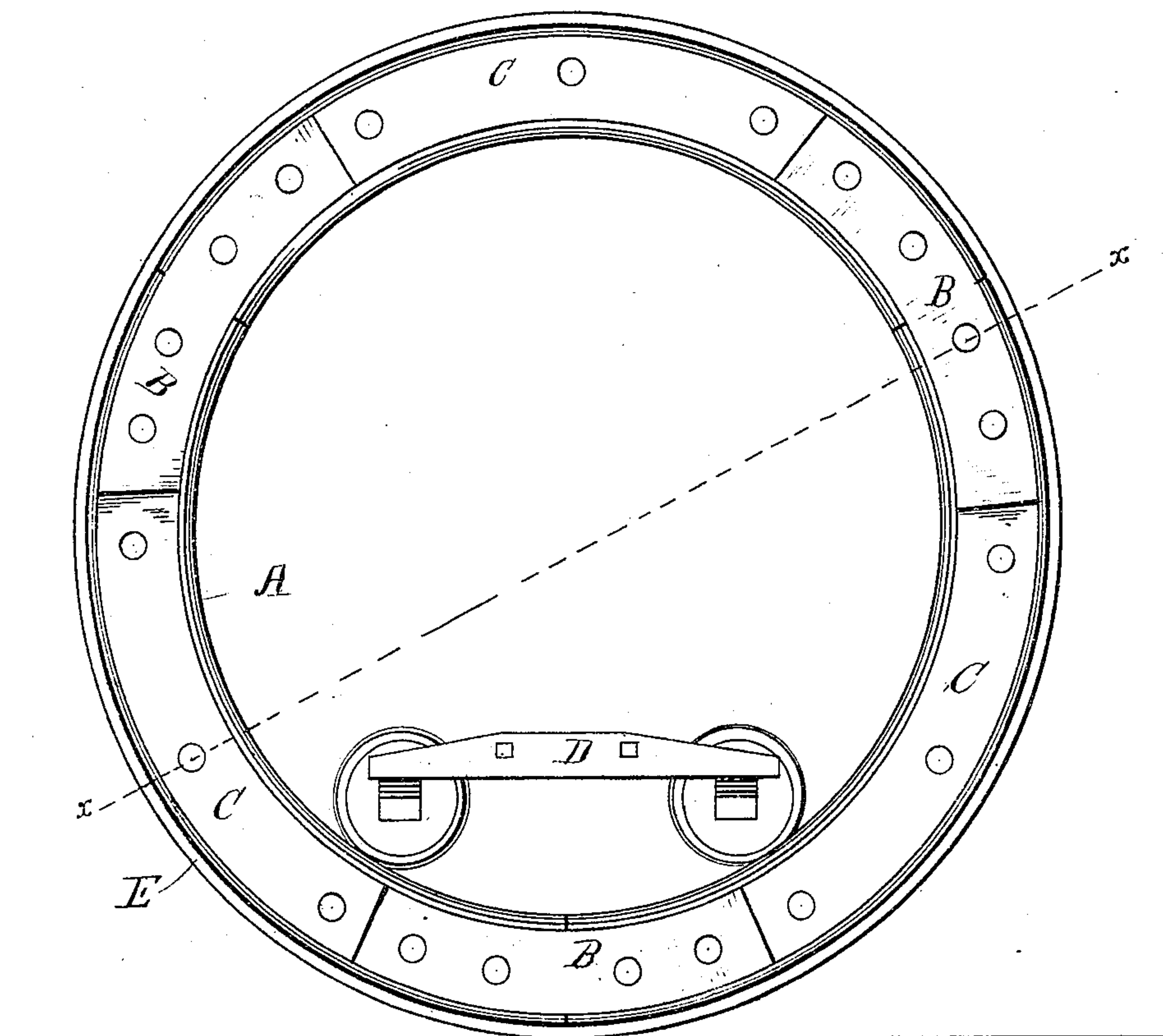
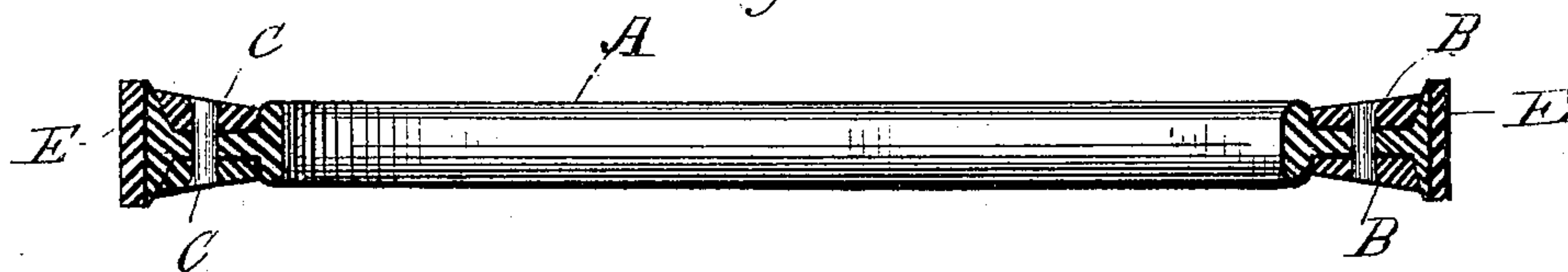


Fig. 2.



Witnesses:
Chas. S. Hyer.
Teste

Inventor:
T. T. Prosser
By his attorney
E. H. Doolittle

UNITED STATES PATENT OFFICE.

TREAT T. PROSSER, OF CHICAGO, ILLINOIS.

TRACTION-WHEEL.

SPECIFICATION forming part of Letters Patent No. 253,098, dated January 31, 1882.

Application filed November 19, 1880. Renewed January 5, 1882. (No model.)

To all whom it may concern:

Be it known that I, TREAT T. PROSSER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Traction-Wheels; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in that class of traction-wheels which are spokeless, and are provided with interior circular tracks, on which the wheels of a truck are arranged to run. Such a wheel is shown in my Patent No. 224,727, February 17, 1880.

My present improvement consists in constructing a traction-wheel of this description of a T-rail.

The improvement is illustrated in the accompanying drawings, in which similar letters of reference refer to similar parts.

Figure 1 is a side elevation of the traction-wheel, showing a truck seated therein. Fig. 2 is a section on line *x x*, Fig. 1.

A is the T-rail, (shown in sections,) and the under surface of its web constitutes the outer flat surface of the rim of the wheel, on which the tire E is shrunk or otherwise attached. By the use of a rail of this description the tire, when worn, can be removed and a new one easily replaced.

B represents the fish-plates, which connect the sections of the rail. Between the fish-plates are placed alternate sections of wood, C,

which are solid pieces bolted or riveted in any suitable manner to the opposite sides of the web of the rail. These sections of wood are used as filling for the spaces between the fish-plates, are made flush therewith and with the inner edges of the rail, and for the further purpose of giving this part of the rim an even surface the heads of the nuts and bolts used to fasten the wood sections and fish-plates are countersunk therein. By thus keeping the surface adjoining the track flush therewith and smooth and even the same may be easily kept clear from dirt and mud by the use of a scraper, such as is described and claimed in my patent above named.

In addition to the advantage gained by the use of the T in the matter of easy attachment and replacement of the tire, the greater strength and firmness are given the wheel.

Having thus described my invention, what I claim is—

1. A spokeless traction-wheel composed of a T-rail and bound with a tire, substantially as described.

2. A spokeless traction-wheel composed of a T-rail in sections and bound with a tire, substantially as described.

3. A spokeless traction-wheel composed of sections of a T-rail connected by fish-plates and combined with alternate sections of wood, substantially as described.

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

TREAT T. PROSSER.

Witnesses:

C. A. NEALE,
B. E. J. EILS.