

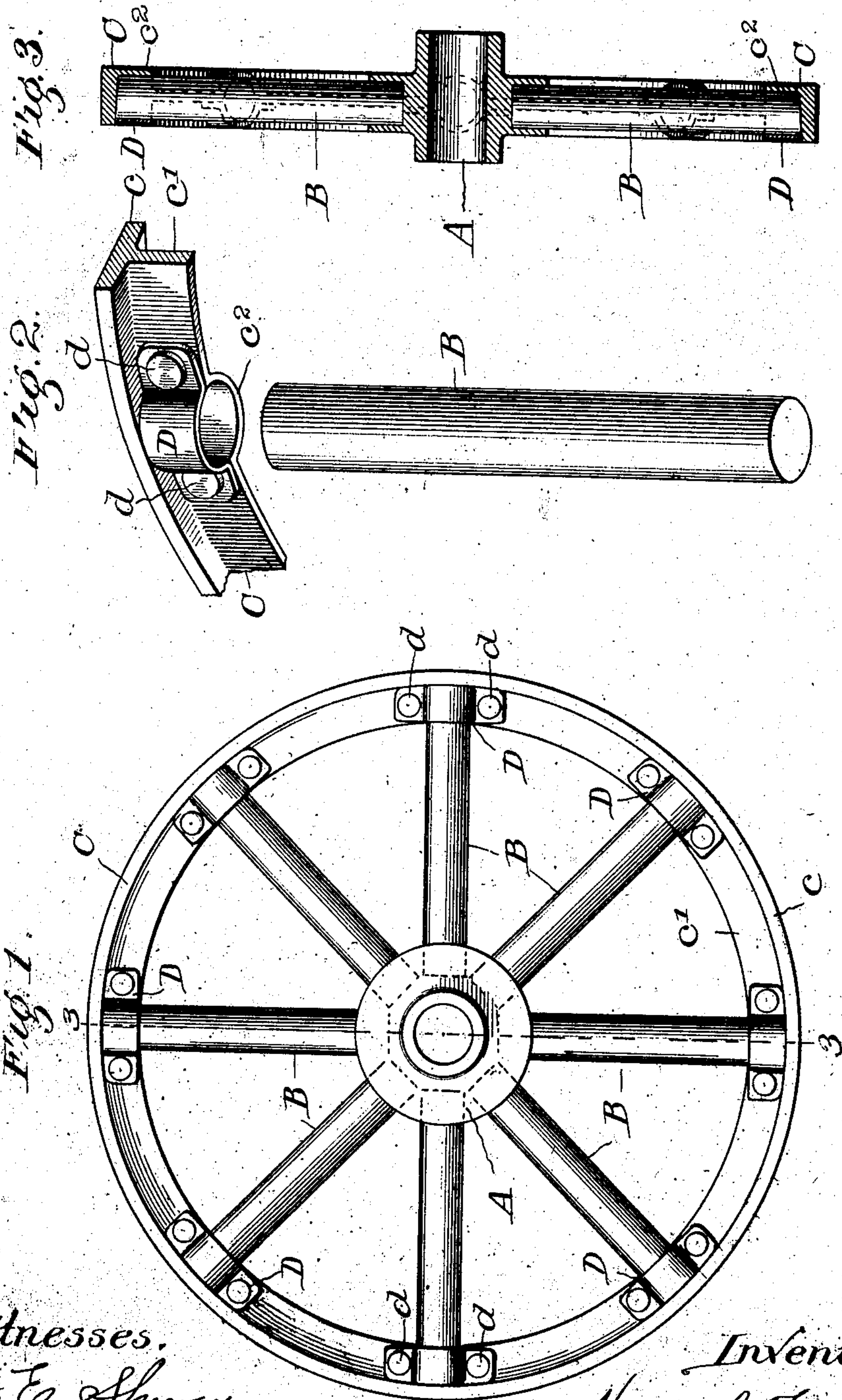
No. 815,520.

PATENTED MAR. 20, 1906.

H. L. FERRIS.

WHEEL.

APPLICATION FILED FEB. 7, 1905.



Witnesses,
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UNITED STATES PATENT OFFICE.

HENRY L. FERRIS, OF HARVARD, ILLINOIS, ASSIGNOR TO HUNT, HELM,
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WHEEL.

No. 815,520.

Specification of Letters Patent.

Patented March 20, 1906.

Application filed February 7, 1905. Serial No. 244,540.

To all whom it may concern:

Be it known that I, HENRY L. FERRIS, a citizen of the United States of America, residing at Harvard, in the county of McHenry and State of Illinois, have invented certain new and useful Improvements in Wheels, of which the following is a specification.

My invention relates to certain new and useful improvements in wheels; and its object is to produce a device of this class which shall have certain advantages which will appear more fully and at large in the course of this specification.

To this end my invention consists in the novel features which are shown in the accompanying drawings as embodied in my preferred form of construction.

In the aforesaid drawings, Figure 1 is an elevation of my improved wheel. Fig. 2 is a perspective view of one of the spokes and a segment of the tire, and Fig. 3 is a section in the line 3 3 of Fig. 1.

Referring to the drawings, A is a hub cast with a plurality of radial sockets in which are inserted suitable round wooden spokes B.

C indicates a suitable tire, the same being T-shaped in cross-section and having a cylindrical tread *c* and an inwardly-extending flange or rib *c'* at right angles to the axis of the hub. This inwardly-extending flange or rib *c'* is cast with a series of laterally-projecting semicylindrical yokes *c''*, adapted to receive the ends of the spokes B, the ends of said spokes being held in position by yoke-shaped plates D, riveted to the flange *c'* by rivets *d*, as illustrated.

It will be noted that this construction is extremely cheap and simple and that the same is particularly desirable for use in toy wagons and the like, where more or less strength is necessary.

I realize that considerable variation is possible in the details of this construction without departing from the spirit of my invention, and I do not, therefore, intend to limit

myself to the specific form herein shown and described.

I claim as new and desire to secure by Letters Patent—

1. In a device of the class described, the combination with a hub having a plurality of radial cavities, of a plurality of radial spokes, the inner ends of which are inserted in said cavities, a tire, T-shaped in cross-section and having a tread, and an inwardly-extending central rib, yokes formed in said rib, and a plurality of yoke-shaped plates riveted to said rib and with the yokes therein embracing the outer ends of the spokes.

2. In a device of the class described, the combination with a hub having a plurality of radial cylindrical cavities, of a plurality of radial cylindrical spokes, the inner ends of which are inserted in said cavities, a tire T-shaped in cross-section and having a cylindrical tread, and an inwardly-extending central rib, semicylindrical yokes formed in said inwardly-extending rib, and a plurality of yoke-shaped plates riveted to said rib, and with the yokes therein embracing the outer ends of the spokes.

3. In a device of the class described, the combination with a hub having a plurality of radial cavities, of a plurality of radial spokes, the inner ends of which are inserted in said cavities, a tire T-shaped in cross-section and having a suitable tread, and an inwardly-extending central rib, yokes on one side of said rib, and a plurality of yoke-shaped plates riveted to said rib and with the yokes embracing the outer ends of the spokes.

In witness whereof I have signed the above application for Letters Patent at Harvard, in the county of McHenry and State of Illinois, this 31st day of January, A. D. 1905.

HENRY L. FERRIS.

Witnesses:

EDW. G. RACE,
C. E. PETERS.