

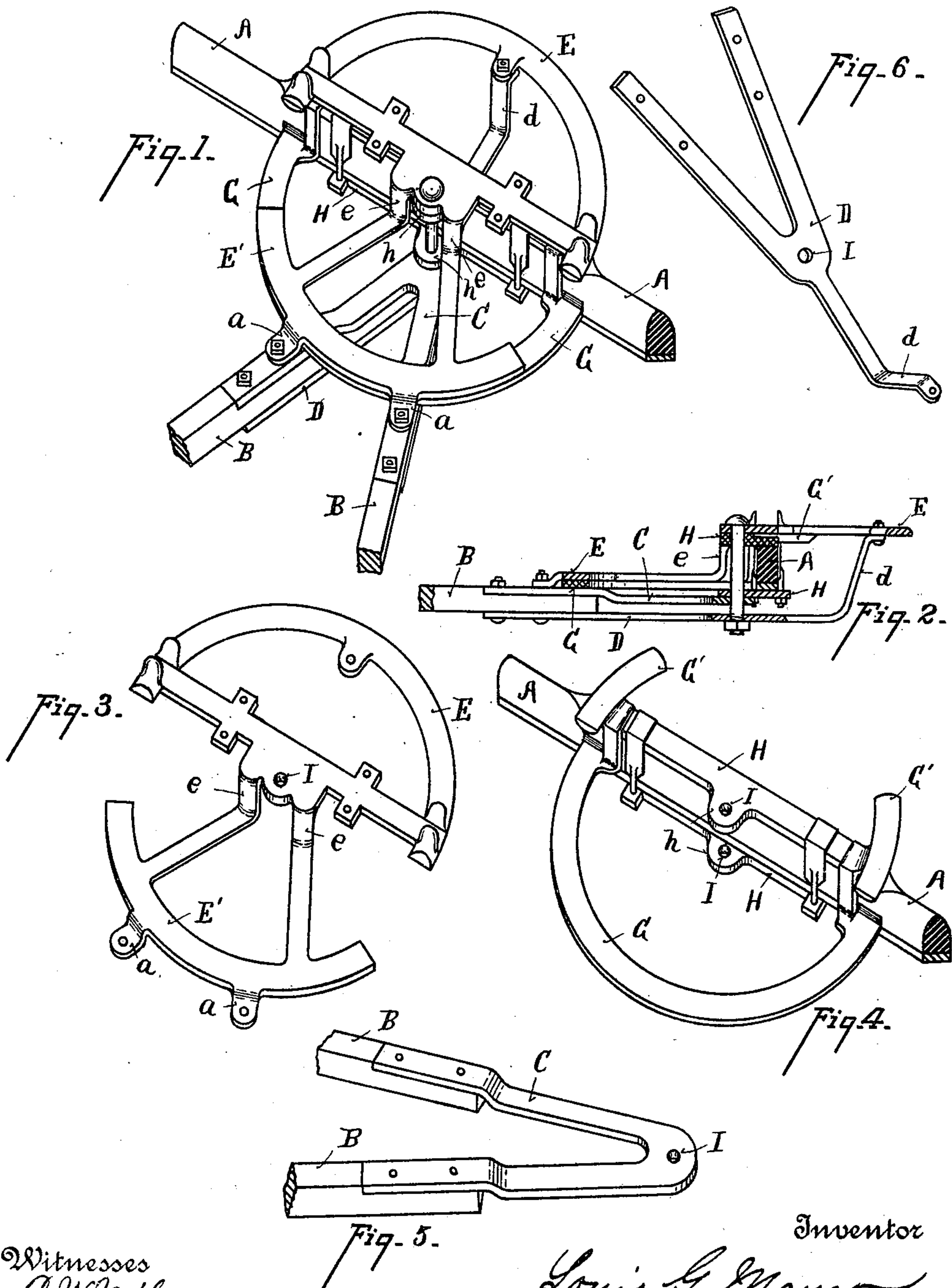
No. 626,184.

Patented May 30, 1899.

L. G. MAYER.
FIFTH WHEEL.

(Application filed Mar. 24, 1899.)

(No Model.)



Witnesses
C. W. Miles.
Oliver D. Haizer

Inventor
Louis G. Mayer
by Mott & Bond
Attorneys

UNITED STATES PATENT OFFICE.

LOUIS G. MAYER, OF CINCINNATI, OHIO, ASSIGNOR TO THE JAMES & MAYER
BUGGY COMPANY, OF LAWRENCEBURG, INDIANA.

FIFTH-WHEEL.

SPECIFICATION forming part of Letters Patent No. 626,184, dated May 30, 1899.

Application filed March 24, 1899. Serial No. 710,336. (No model.)

To all whom it may concern:

Be it known that I, LOUIS G. MAYER, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Fifth-Wheels, of which the following is a specification.

My invention relates to fifth-wheels.

One object of my invention is to provide a duplex fifth-wheel and fifth-wheel support extending forward of the axle and in rear of the axle.

Another object of my invention is to provide a fifth-wheel support secured to the perch-bars substantially parallel with the lower plane of the axle and a fifth-wheel and its support upon the top side of the axle, thereby employing one portion of the fifth-wheel as a brace to the other portion against torsional strains, thereby securing a more easy movement of the fifth-wheel.

The features of my invention are more fully set forth in the description of the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my improvement in position for use. Fig. 2 is a central vertical section and longitudinal section of Fig. 1. Fig. 3 is a perspective view of the fifth-wheel support. Fig. 4 is a perspective view of the fifth-wheel and the parts securing it to the axle. Fig. 5 is a perspective view of the perch-bar and lower journal for the king-bolt. Fig. 6 is a perspective view of the bracket supporting the front end of the fifth-wheel bearing.

A represents the axle; B B, perch-bars, which are preferably employed in the form shown.

C represents the bracket completing the coupling of the perch-bars to the king-bolt.

D represents a bracket secured to the under side of the perch and having its forward end *d* upturned and forming a support for the front fifth-wheel bearing E. The rear fifth-wheel bearing E' is preferably made integral with the front bearing E by having its bars or plate dropped down, as at *e*, near the plane of the bottom of the axle. *a* represents ears for rigidly connecting the same to the perch or coupling.

G represents the fifth-wheel secured to the axle, and G' the upper and front fifth-wheel irons.

In the preferred form of construction I employ straps H H, which are clipped to the top and the bottom of the axle, respectively. These are provided with ears *h*, in which the king-bolt journals, and the fifth-wheel supports are pierced at I to sustain the king-bolt at the top and bottom. I thus obtain an extended fifth-wheel support both in front and rear and maintain both the front and rear supports in parallel planes with their respective fifth-wheels, but in different parallel planes to each other, thus securing a very strong and durable fifth-wheel.

Having described my invention, I claim—

1. A front and rear fifth-wheel secured to the axle, one upon the top and the other at the bottom thereof, and a front and rear fifth-wheel bearing support secured to the perch-bars and journaled upon the king-bolt at the rear of the axle, substantially as specified.

2. A duplex fifth-wheel composed of front bearings secured to the top of the axle, rear bearings secured to the perch-bars, a front and rear fifth-wheel traveling against said bearings and placed at different horizontal planes, substantially as specified.

3. A duplex fifth-wheel support composed of the parts E, E', mounted upon and secured to the perch, substantially as specified.

4. In combination with perch-bars provided with brackets C, D, secured thereto, the duplex fifth-wheel support mounted upon said brackets and perch-bars, substantially as specified.

5. A duplex fifth-wheel consisting of the parts, G, G', secured to the axle at the top and bottom planes thereof, and extending forward and in rear of the axle, substantially as specified.

In testimony whereof I have hereunto set my hand.

LOUIS G. MAYER.

Witnesses:

W. R. WOOD,
OLIVER B. KAISER.