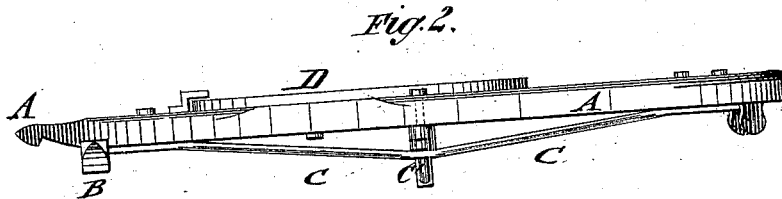
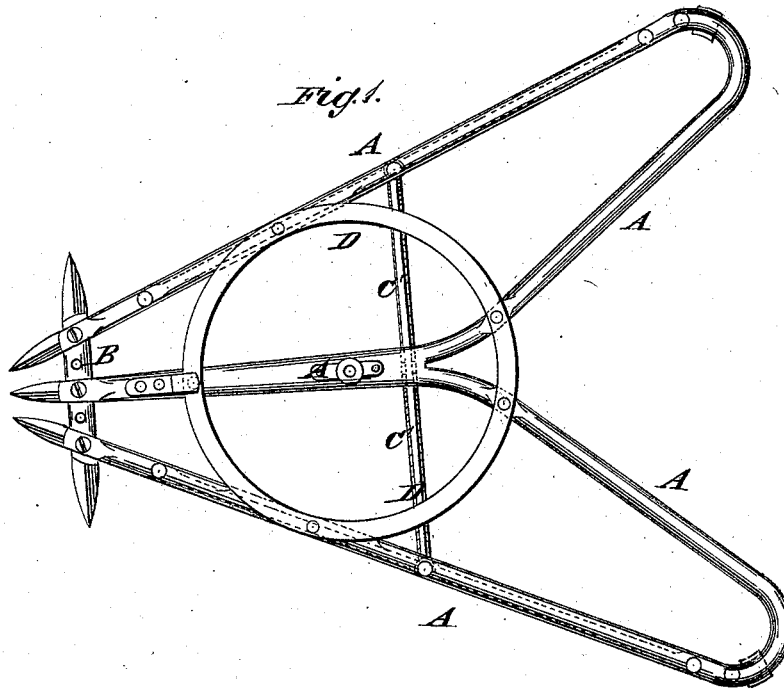


B. F. RIX.
Platform-Gear for Wagons.

No. 197,799.

Patented Dec. 4, 1877.



WITNESSES:

Francis McAuley.
J. W. Scarborough.

INVENTOR:

B. F. Rix
BY *Miner*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

BENJAMIN F. RIX, OF MASON, MICHIGAN.

IMPROVEMENT IN PLATFORM-GEARS FOR WAGONS.

Specification forming part of Letters Patent No. **197,799**, dated December 4, 1877; application filed October 16, 1877.

To all whom it may concern:

Be it known that I, BENJAMIN F. RIX, of Mason, in the county of Ingham and State of Michigan, have invented a new and Improved Platform-Wagon-Gear, of which the following is a specification:

In the accompanying drawings, Figure 1 represents a top view, and Fig. 2 a side view, of my improved gear for platform and spring wagons.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved gear for all kinds of platform and spring wagons, that is of lighter proportions, cheaper, and more durable than the gears hitherto used, being strengthened in such a manner that there is no possibility of its breaking or sagging down and causing the fifth-wheel or circle to bind.

The invention consists of a wagon-gear, being made of a solid center piece, or of two pieces bolted together, and bent forward and back to the spring-block. The side and center pieces are strengthened by longitudinal and transverse trusses.

In the drawing, A represents a gear for platform and spring wagons, which is either bent of one solid piece, that is divided in the center and returned to the spring-block B, as shown in Fig. 1, or made of two pieces, which are bolted together in the center, the whole gear containing thus, respectively, only two or three pieces, including the spring-block.

The side pieces of the gear that connect the bent front portion with the spring-block B are strengthened by longitudinal bottom trusses C, which are again, together with the center piece, stiffened by a transverse truss, C', for the purpose of preventing any possibility of the breaking of the side or center pieces, or of the sagging of the same, so as to cause the binding of the fifth-wheel or circle D.

In this manner the most simple, durable, and cheapest gear for wagons is produced.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A gear for platform and spring wagons, consisting of a longitudinal center bar and diverging side arms or pieces, extending forward and backward to the spring-bar, and formed in one piece with the center bar, substantially as herein set forth, for the purpose specified.

2. A gear for platform and spring wagons, consisting of a center piece and diverging side pieces, formed in one piece with said center piece, and having the side and center pieces strengthened by longitudinal and transverse trusses, substantially as and for the purpose set forth.

BENJAMIN FRANKLIN RIX.

Witnesses:

CHARLES RIX,
S. A. WELLING.