

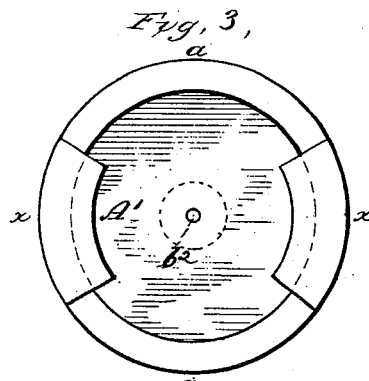
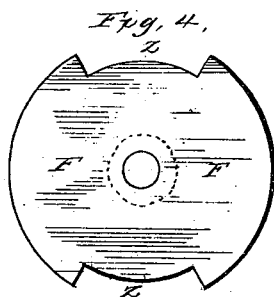
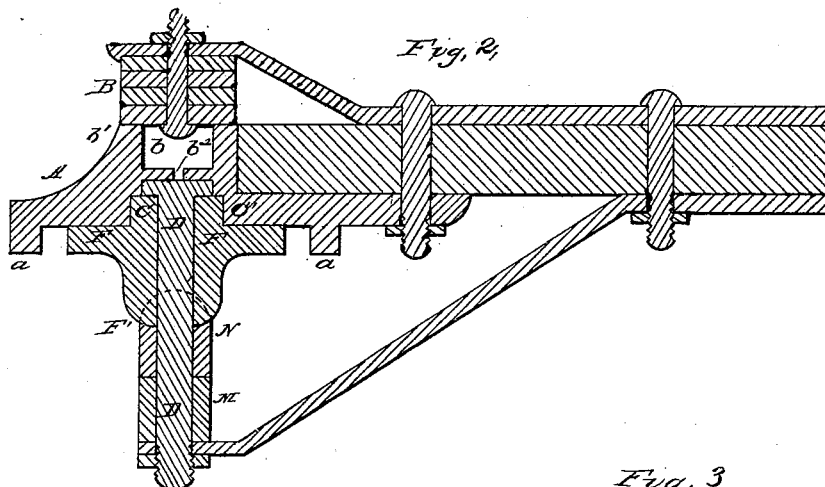
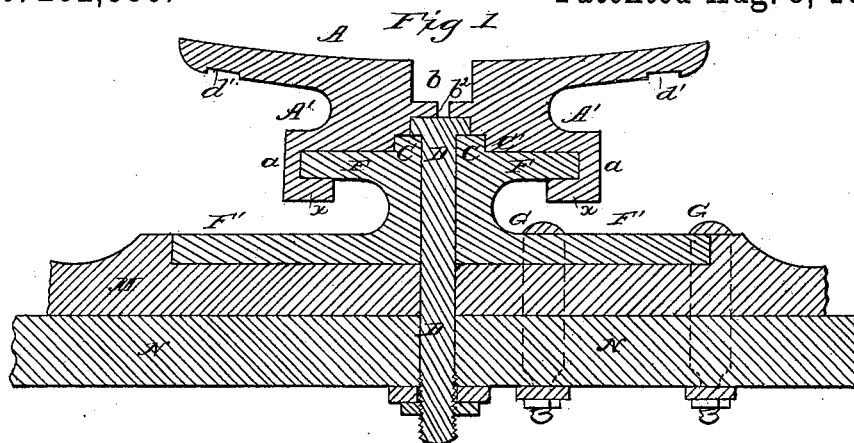
(No Model.)

F. L. F. EZELL.

FIFTH WHEEL.

No. 262,386.

Patented Aug. 8, 1882.



WITNESSES:

Wm. L. Dieterich
Wm. L. Halling

Francis L. F. Ezell
INVENTOR.
by Louis Ragger & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

FRANCIS L. F. EZELL, OF NASHVILLE, TENNESSEE.

FIFTH-WHEEL.

SPECIFICATION forming part of Letters Patent No. 262,356, dated August 8, 1882.

Application filed May 29, 1882. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS LA F. EZELL, of Nashville, in the county of Davidson and State of Tennessee, have invented certain new and useful Improvements in Fifth-Wheels for Vehicles; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a longitudinal vertical section of my improved fifth-wheel and its appurtenances. Fig. 2 is a vertical cross-section of the same at right angles to Fig. 1. Fig. 3 is a detail plan view of the under side of the flanged and lipped top plate, A'; and Fig. 4 is a similar view of the top of the bearing-plate F.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to the fifth-wheel of vehicles; and it consists in certain improvements in the construction and combination of parts of the fifth-wheel for which Letters Patent of the United States No. 254,295 were granted to me on the 28th day of February, 1882, which said improvements will be hereinafter more fully described and claimed.

In the annexed drawings, A represents the spring-seat, which is made of steel or malleable iron, and slightly curved or concaved on its top to fit the spring B. The lower part of the spring-seat is of circular shape, forming a disk, A', which has an annular downwardly-extending rim or flange, *a*, which is provided with opposite projecting lips or ears, *x x*, (see Figs. 1 and 3,) projecting inwardly under the rim of the bearing-plate F. Said part A A' is cast with a hollow center or oil-chamber, *b*, in the bottom of which is a central aperture, *b*², for feeding the lubricant to the wearing-surfaces below. Oil (or other lubricating material) may be fed into chamber *b* through a channel or inlet, *b*¹, at its upper end.

The part or disk F has a central cylindrical bore or recess to fit the downwardly-extending king-bolt D, the head of which projects up into the space or recess in disk A' underneath the oil-chamber *b*. Said bore is encircled by a collar, C, at its upper end, which projects into an enlarged recess, C', in part A' below the oil-chamber, the head of bolt D resting or riding upon collar C, as clearly shown in the drawings. The disk or bearing-plate F has gaps or recesses *z z* on opposite sides, corresponding to the lips or ears *x x* of part A', for the purpose of allowing the two parts A' and F to be coupled together, as shown in the drawings. When coupled in this manner it will be seen that the two parts are securely interlocked independently of the king-bolt D, the lips *x x* preventing rocking or careening of disk A' upon its bearing-plate F. By this construction it is not requisite that the king-bolt D shall pass through the upper part, A A', and thus I am enabled to make the oil-chamber *b* in said part with a solid iron bottom, having only the central seep-hole or feed-hole, *b*².

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of the circular disk A', having flange *a*, provided with the inwardly-projecting lips *x x*, and cast in one piece with the spring-seat A, having central oil-chamber, *b*, provided with the inlet *b*¹ and central bottom aperture, *b*², and provided with the central recess, C', below the oil-chamber, circular bearing-plate F, having gaps or notches *z z* and central collar, C, and king-bolt D, constructed and combined substantially as and for the purpose herein shown and described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

FRANCIS LA FAYETTE EZELL.

Witnesses:

JOSEPH W. BIGLEY,
FRANCIS BAKER.