

P. H. CUMMINS.
Fifth Wheel for Vehicle.

No. 118,347.

Patented Aug. 22, 1871.

Fig. 1.

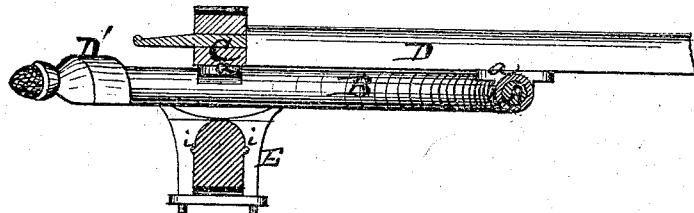
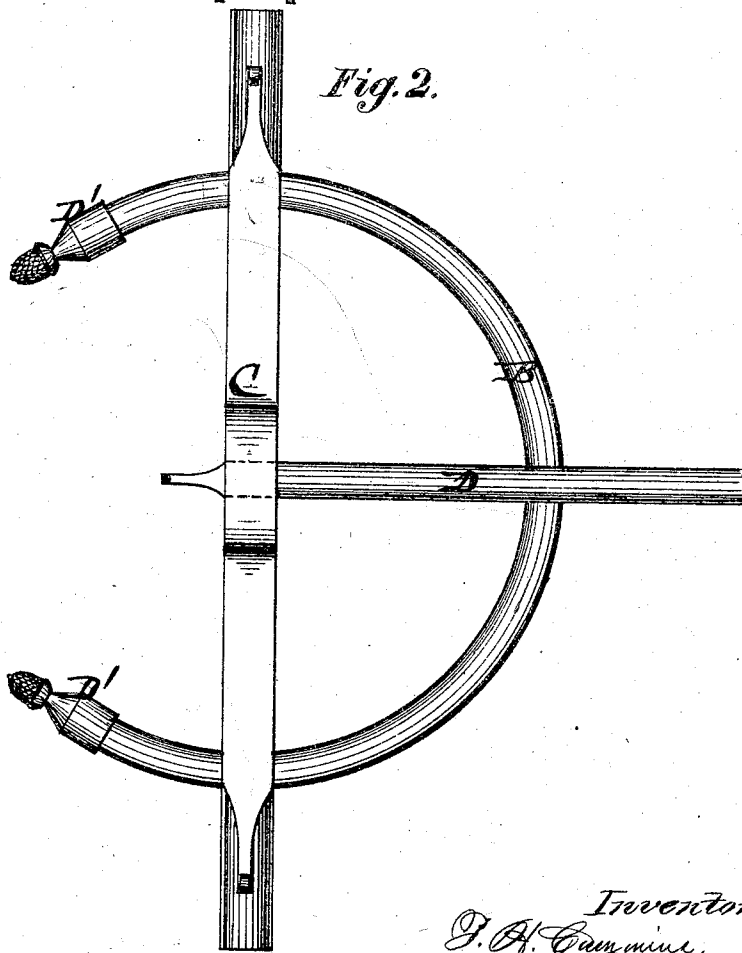


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

PATRICK H. CUMMINS, OF ADAMS, NEW YORK, ASSIGNOR TO HIMSELF AND
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IMPROVEMENT IN FIFTH-WHEELS FOR VEHICLES.

Specification forming part of Letters Patent No. 118,347, dated August 22, 1871.

To all whom it may concern:

Be it known that I, PATRICK H. CUMMINS, of Adams, in the county of Jefferson and State of New York, have invented certain new and useful Improvements in Circles or Fifth-Wheels; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a fifth-wheel for vehicles, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a vertical section, and Fig. 2 a plan view.

A and B represent the two parts of the fifth-wheel or circle, the first part A being made round and the other part B half round, fitting around the former closely. By thus making the circle it is made much stronger, inasmuch as all the strength of one solid piece of iron is obtained.

This mode of connecting the parts makes a much more secure manner of connecting the forward axle to the reach, it being impossible for them to come apart even should the king-bolt break or lose out. In light wagons this invention may be used without a king-bolt. It also obviates all noise or rattle by the circle, it being impossible for the two parts to spread, and also excludes the dust and mud.

The circle is fastened to the head-block C and

reach D by three bars, *a a*, thereby preventing wear on the bolts without weakening the circle; and should it become necessary to remove a bolt and replace it, it can be accomplished without taking the circle apart.

The two parts of the circle may be made of different kinds of metal to obviate wear.

On each end of the circle is a hollow cap, D', to prevent dust and dirt getting into the circle, and when on will form nearly a whole circle.

For light wagons I intend to manufacture the circle in sections, forming what is called quarter circles.

On the under side of the clip E is a dowel, *i*, to prevent getting out of place even should the nuts on the clip become loose.

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

1. The within-described fifth-wheel, with its lower part formed rounding and its upper part constructed with a rounding groove, the sides thereof extending below the center of part A to a line almost in contact with each other, thus effectually preventing a separation of the two parts when in use, and serving also to keep out the dirt, &c., substantially as set forth.

2. In combination with the above, caps D D, substantially as and for the purpose described.

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

PATRICK H. CUMMINS.

Witnesses:

FREDRICK W. RIPLEY,
GEORGE B. R. WHIPPLE.