

(No Model.)

J. J. BLACK.
FIFTH WHEEL FOR VEHICLES.

No. 426,757.

Patented Apr. 29, 1890.

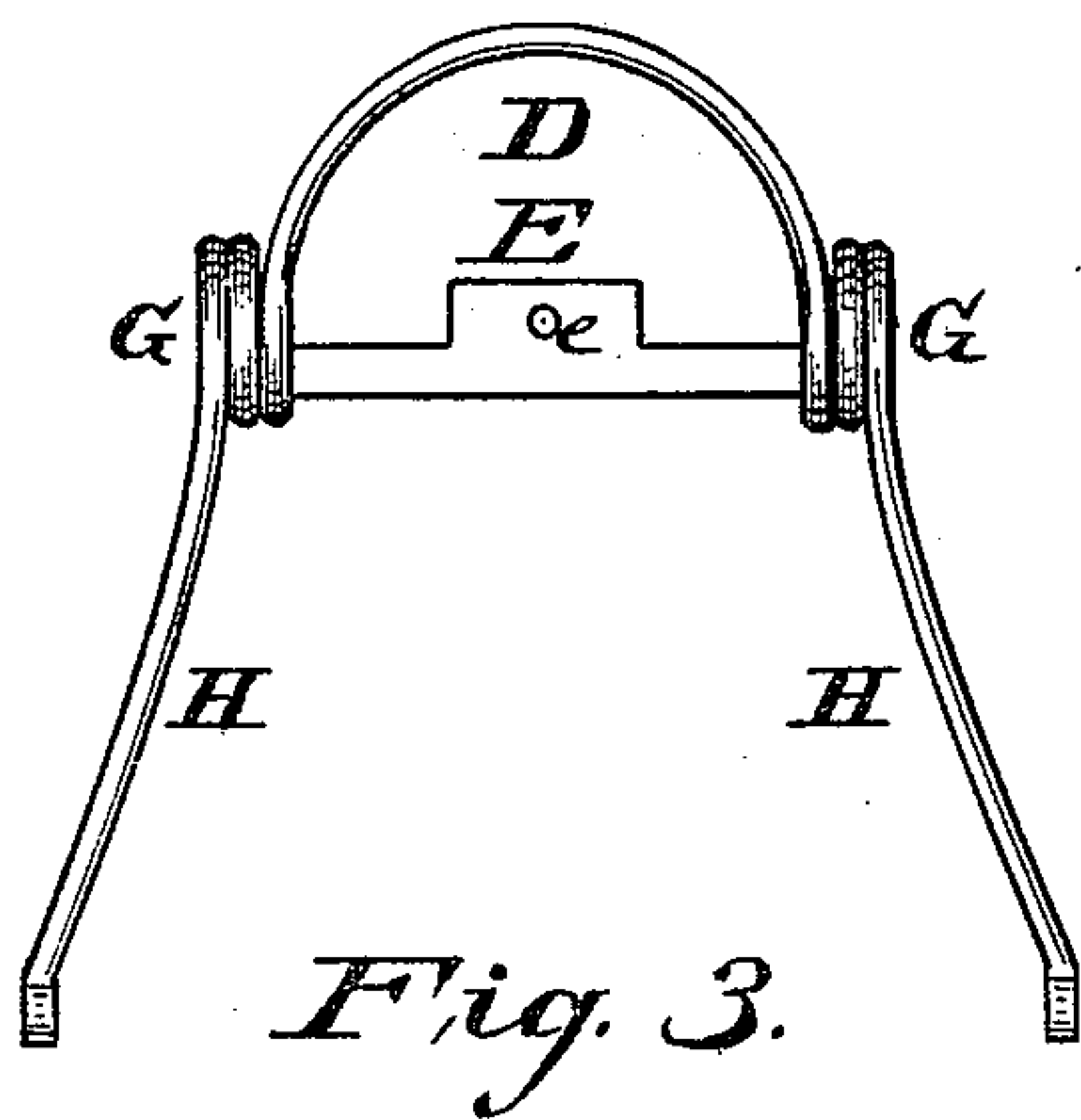


Fig. 3.

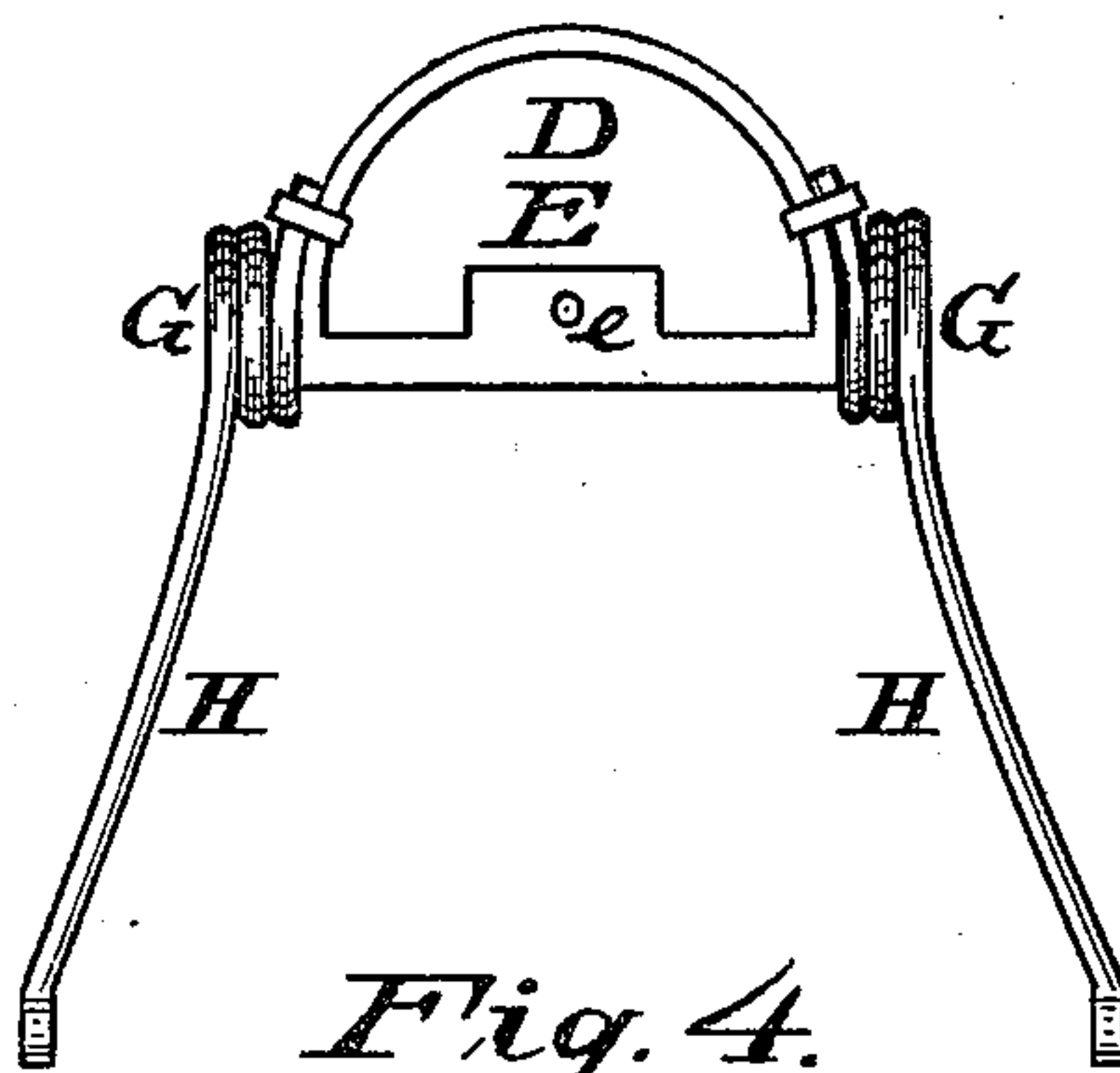


Fig. 4.

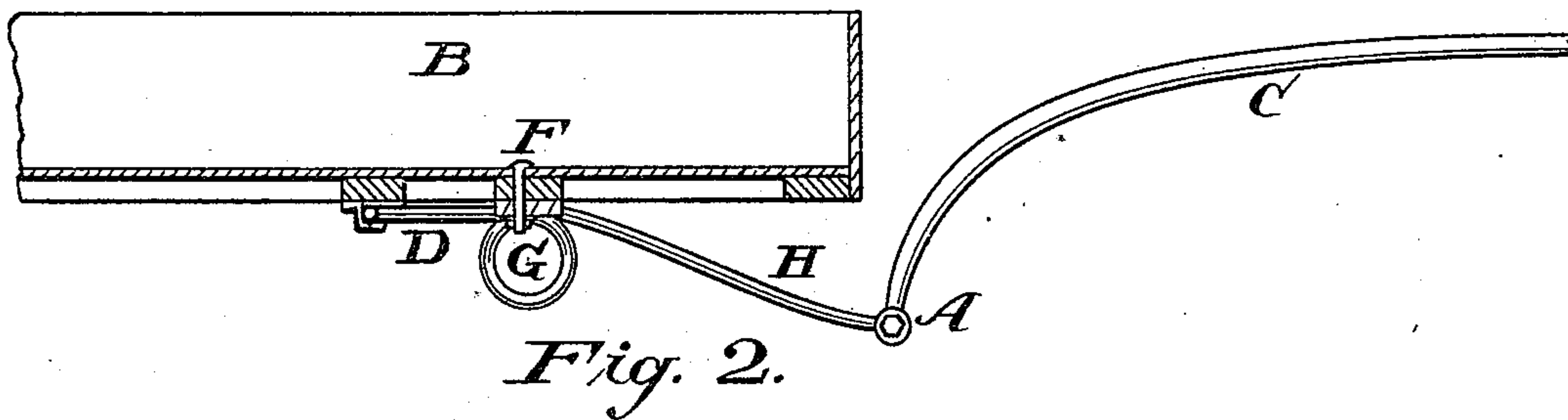


Fig. 2.

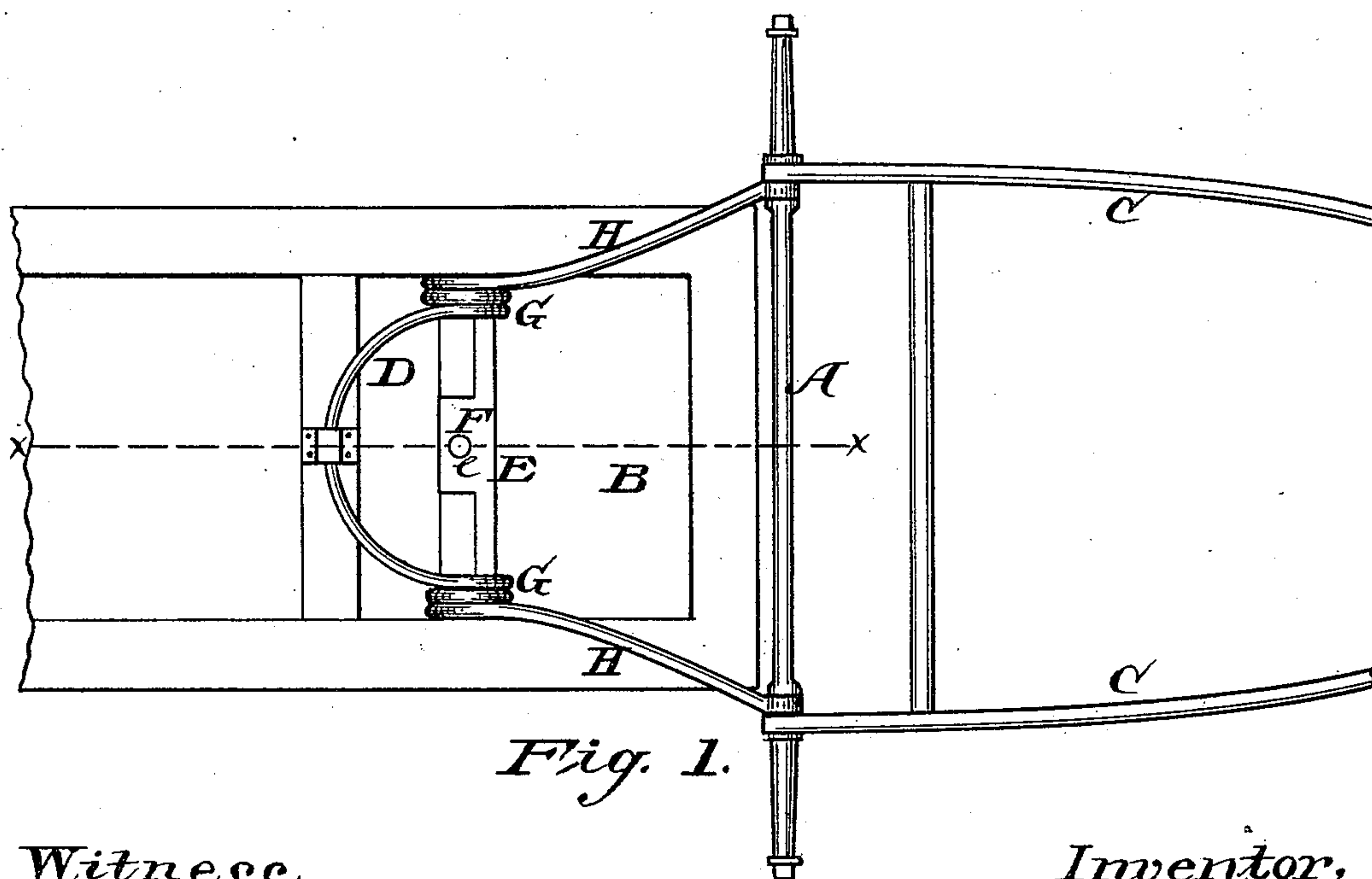


Fig. 1.

Witness,

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by his Attorney Geo. W. Tibbitts.

UNITED STATES PATENT OFFICE.

JOHN J. BLACK, OF CLEVELAND, OHIO, ASSIGNOR TO THE BLACK SPRING
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FIFTH-WHEEL FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 426,757, dated April 29, 1890.

Application filed March 5, 1889. Renewed March 26, 1890. Serial No. 345,311. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. BLACK, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Fifth-Wheels, of which the following is a specification.

This invention relates to fifth-wheels for vehicles; and it consists in the peculiar construction and combination of torsion-spring with a fifth-wheel, substantially as hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is an under side view of a wagon, showing my improvement. Fig. 2 is a longitudinal section of the same. Figs. 3 and 4 show modified forms of constructing and applying my improvement.

A represents the front axle, and B the body, of a road-wagon, and C C are the shafts or thills.

D is a semicircle or half-wheel having a cross-bar E with a rub-plate *e*, through which the king-bolt F passes, connecting said semicircle with a sill in the bottom of the body, the semicircle riding in a suitable bearing clip or box *f* attached to the bottom of the body.

G G are coiled springs, which may be formed on the ends of bars H H and secured to the semicircle by means of clips, as seen in Fig. 4, or the semicircle, the springs, and bars may be formed of one continuous piece and have a cross-bar suitably attached, as seen in Figs. 1 and 4. The lower ends of the bars H H are joined to the axle A by means of eyes formed on them, or with clips or other suitable means.

Having described my invention, I claim as follows:

1. The springs G G, having semicircle D and bars H H, with cross-bar E, forming the fifth-wheel support, substantially as described.

2. In fifth-wheels for vehicles, the combination, with axle A and body B, of springs G G, cross-bar E, and supporting-bars H H, connected to body B by king-bolt F, substantially as described.

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Witnesses:

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