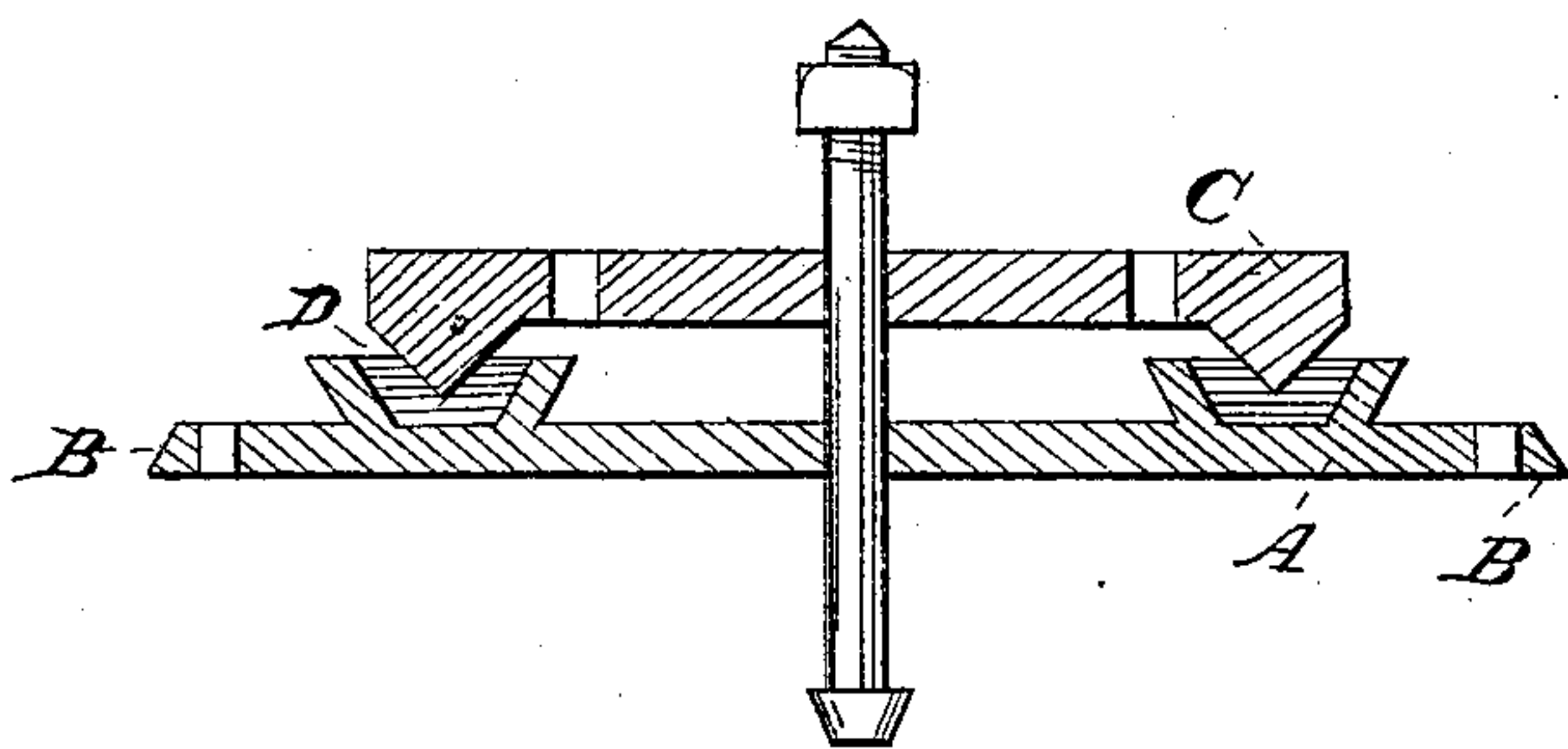
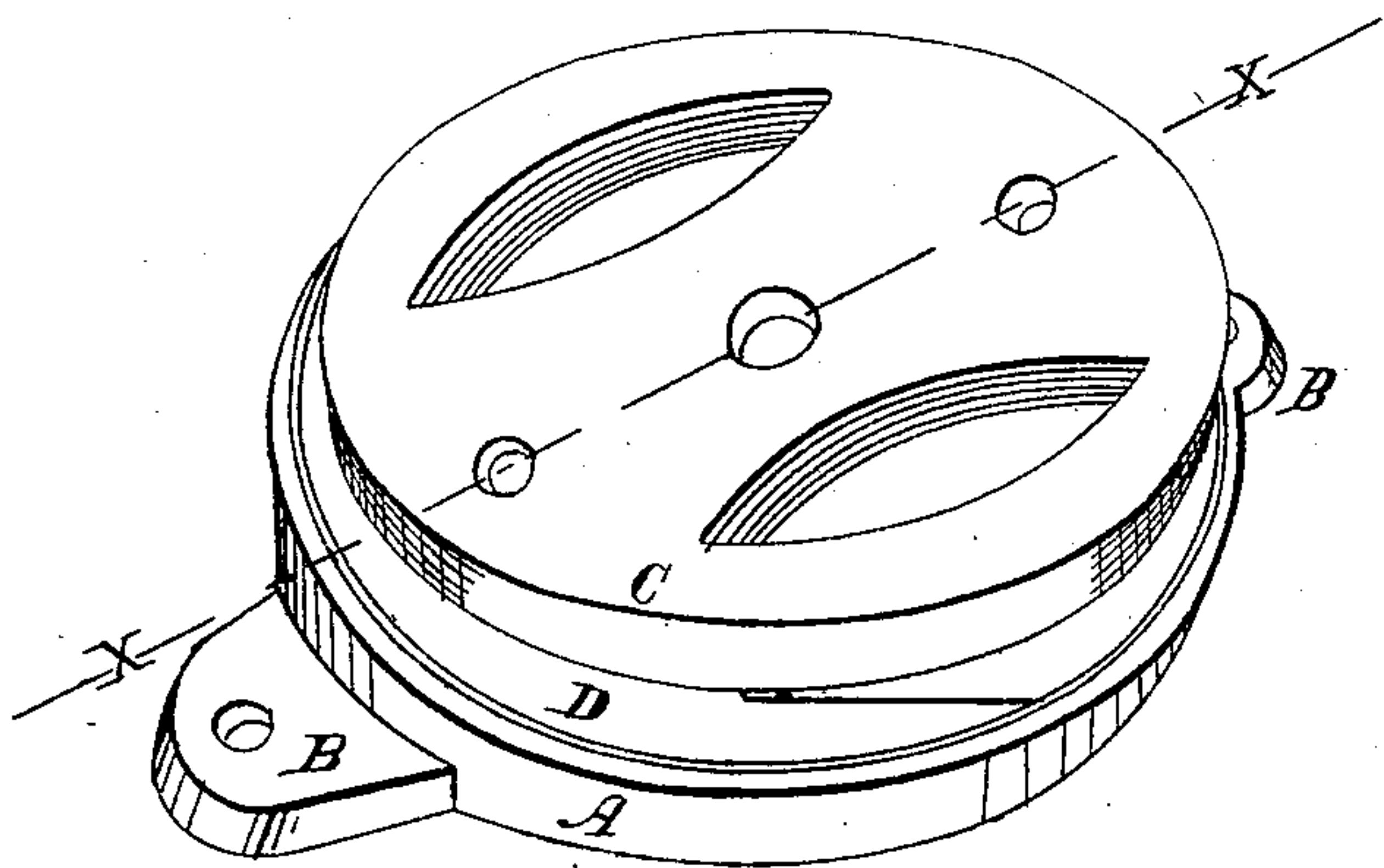


E. H. ADAMS.

Fifth Wheel.

No 79,429.

Patented June 30, 1868.



ATTEST
J. S. Shrague
H. F. Covert

INVENTOR.
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Per attorney
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United States Patent Office.

ELIPHALET H. ADAMS, OF DETROIT, ASSIGNOR TO HIMSELF AND CHARLES
F. GARDNER, OF PIPESTOWN, MICHIGAN.

Letters Patent No. 79,429, dated June 30, 1868.

IMPROVEMENT IN FIFTH-WHEEL FOR CARRIAGES.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, ELIPHALET H. ADAMS, of Detroit, in the county of Wayne, and State of Michigan, have invented a new and useful Improvement in Fifth-Wheel or Circle for Land Carriages; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

Figure 1 shows my invention in perspective.

Figure 2 shows a vertical sectional view of the same, on the line X X in fig. 1.

The same letters indicate like parts in each figure.

The object of this invention is to construct a circle, or what is usually denominated the "fifth-wheel" for land carriages, that is equally applicable to railroad-cars as to wagons generally, that will work with less friction than those ordinarily used, that will require no oiling, and that will never wear out, as the filling to the cap may be renewed as often as necessary.

In order to accomplish this end, I make, of cast iron, or other suitable material, a circular-channelled disk, A, provided with proper ears or lugs, B, through which to pass the necessary bolts, to secure it to the proper part of the carriage.

I also construct a ring, C, with one side of its rim in the shape of the letter V, and provided with any suitable flange, for the purpose of attaching it to the carriage.

To prepare my apparatus for use, after making the above-mentioned parts, I fill the channels in the disk A with Babbit metal, D, or other suitable material. Then, before the filling cools, I insert the ring C, and set the point of the V-shaped rim into the metal or filling, which I allow to cool, with the parts altogether, as shown in fig. 1. Then the apparatus is ready to be attached to its proper place on the carriage.

What I claim as my invention, and desire to secure by Letters Patent, is—

The construction of a circle or "fifth-wheel" for land carriages, as above described, with the ring C working in Babbit metal, or other suitable material, confined in the circular-channelled disk A, when arranged and operating substantially as and for the purposes herein set forth.

ELIPHALET H. ADAMS.

Witnesses:

H. S. SPRAGUE,

H. F. EBERTS.