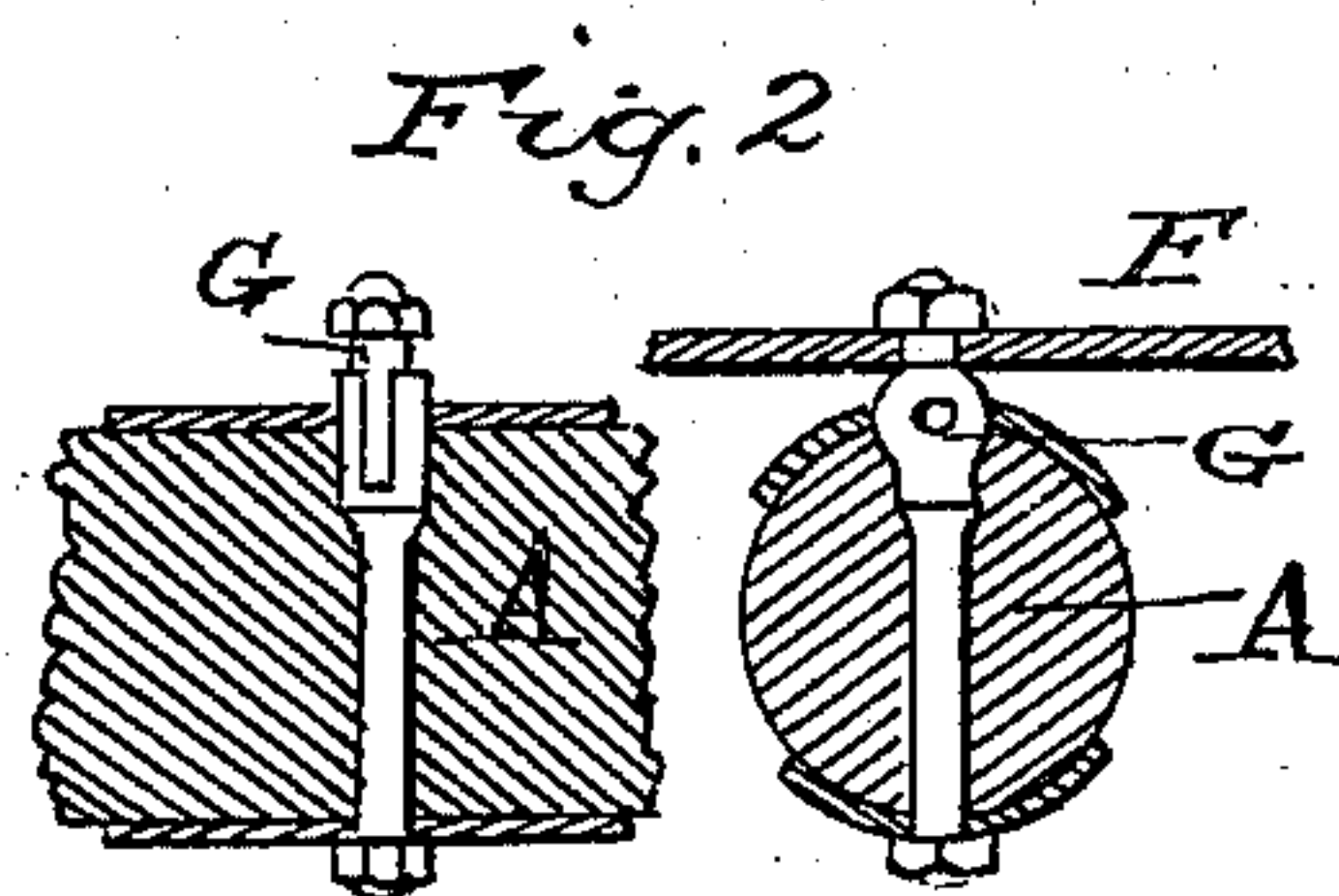
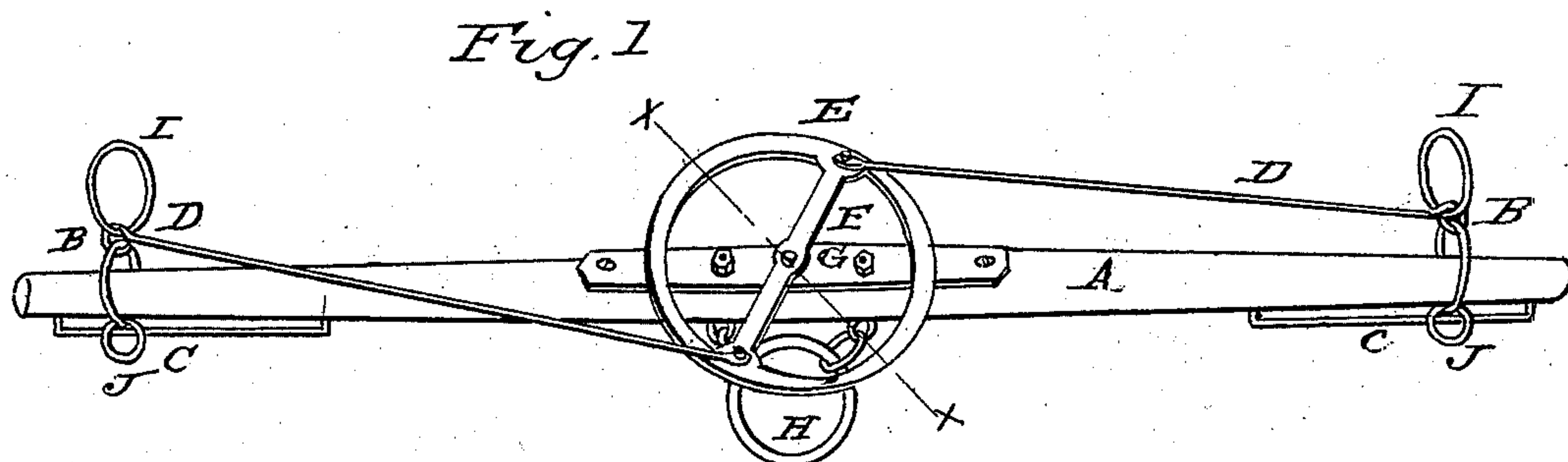


T. J. JONES.
Neck Yoke.

No. 74,544.

Patented Feb. 18, 1868.



Witnesses
H. F. Elerts
H. D. Munnery

Inventor
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Thos. S. Sprague

United States Patent Office.

THOMAS J. JONES, OF ROCHESTER, MICHIGAN, ASSIGNOR TO HIMSELF
AND LORENZO D. GILLET.

Letters Patent No. 74,544, dated February 18, 1868.

IMPROVEMENT IN NECK-YOKE.

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

Know all men that I, THOMAS J. JONES, of Rochester, in the county of Oakland, and State of Michigan, have invented a new and useful Improvement in Adjustable Neck-Yokes; 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 is a perspective view of my invention:

Figure 2 is a sectional view of the same on the line *x x* in fig. 1.

The same letters indicate like parts in each figure.

The nature of this invention is so to construct a neck-yoke that it will adjust itself vertically, so that it will act as a long and short yoke in one, and at the same time allow for the roll of the yoke, and work readily in any position the yoke may assume while in use. By this arrangement, the yoke is so arranged as to equalize the draught, and compel each horse to perform his equal share of the work in holding back the vehicle in descending declivities. I also prevent the danger and trouble of the lines catching under any bars.

To accomplish this object, I take a neck-yoke, the bar of which is constructed in the ordinary form, and a little longer than usual when built without the attachment I am about to describe. To this bar, A, are attached at each end proper rings, B B, which play upon the bar within the guards C C. To these rings B B, and on top of the bar A, are attached the rods D D, which, at their opposite ends, are attached to the circle E, which is fastened to the bar A by a proper hinge, both passing through the bar A and the centre of the bar F, which forms the arms of the circle. The hinge bolt G allows the rods D D to work freely and readily, no matter what the position or roll of the yoke when in use. H is the ring, through which the pole of the vehicle passes, and by which it is held up. I I are rings, to which the breast-straps of the harness are attached, and the smaller rings, J J, are those through which the martingales are fastened.

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

1. The circle E and the bars D D and F, when arranged substantially as and for the purpose set forth.
2. The hinge-bolt G, when constructed and operating substantially as described.
3. The combination of the above-named parts with the bar A, the rings B B, H, I I, and J J, the guards C C, all arranged and operating substantially as and for the purposes specified.

T. J. JONES.

Witnesses:

H. F. EBERTS,
H. J. HANNAMAN.