

W. T. BURROWS.
Wagon-Rack.

No. 205,835.

Patented July 9, 1878.

Fig. 1.

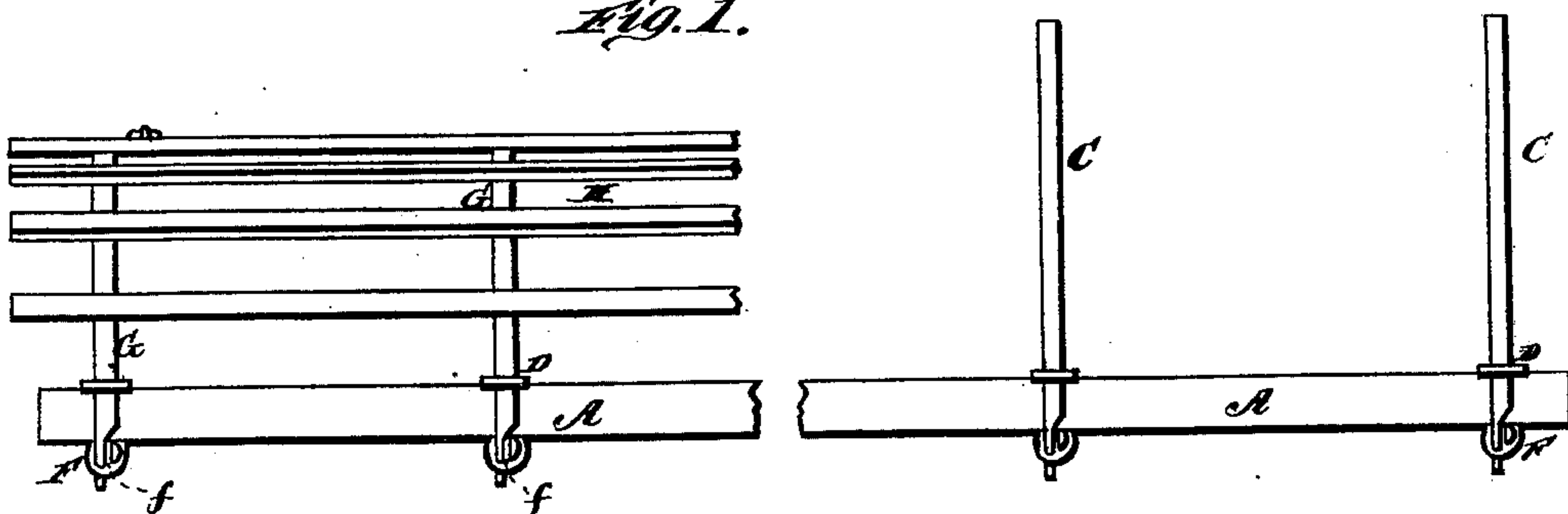


Fig. 2.

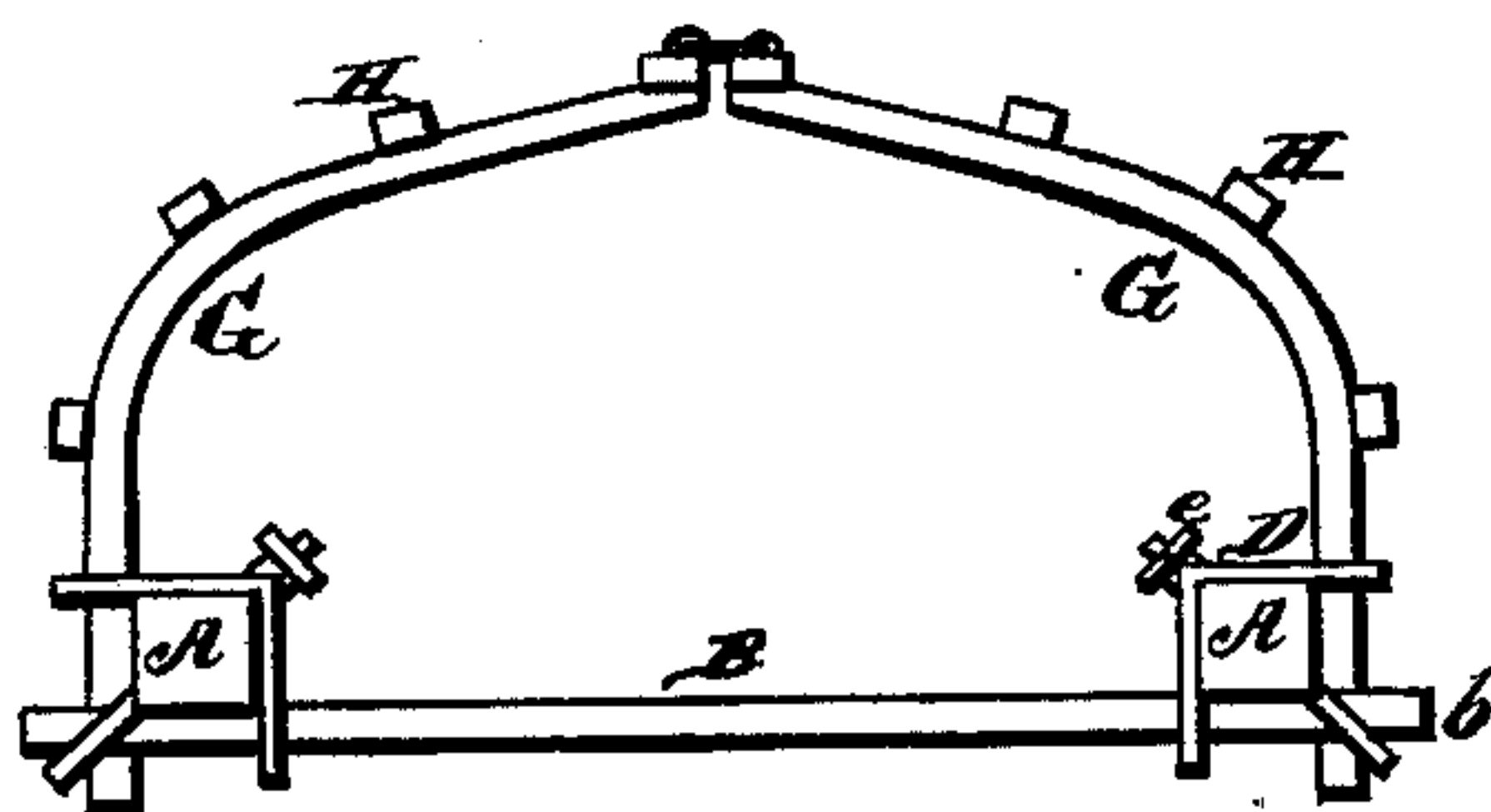


Fig. 3.

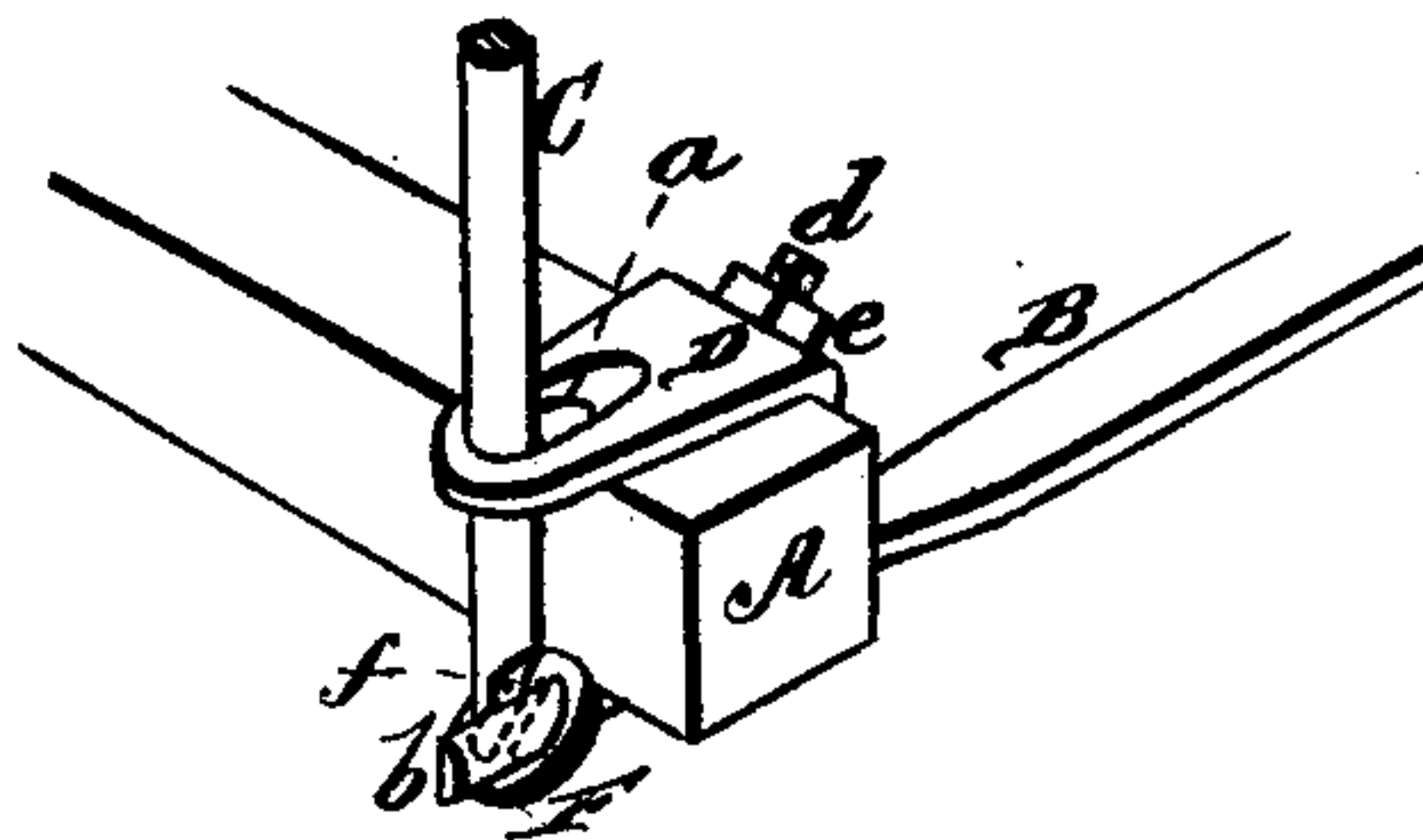
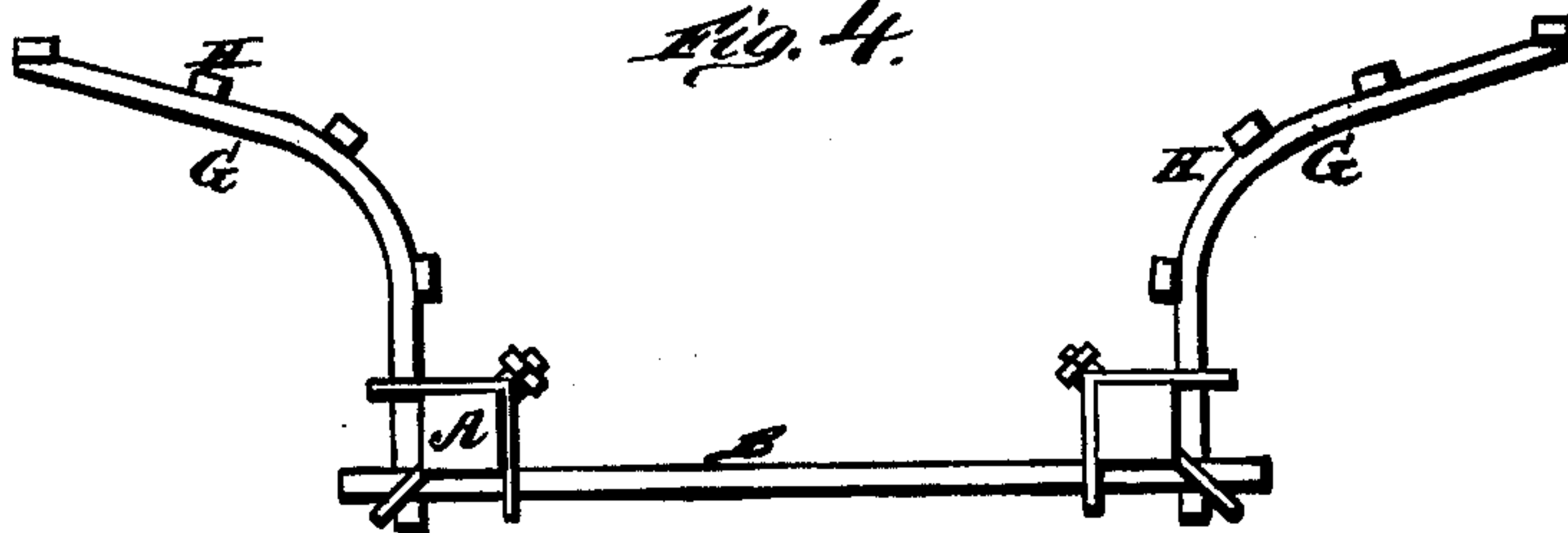


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

WILLIAM T. BURROWS, OF NASHUA, IOWA.

IMPROVEMENT IN WAGON-RACKS.

Specification forming part of Letters Patent No. **205,835**, dated July 9, 1878; application filed March 9, 1878.

To all whom it may concern:

Be it known that I, WM. T. BURROWS, of Nashua, in the county of Chickasaw and State of Iowa, have invented a new and valuable Improvement in Hay-Rack, Hog-Rack, and Wood-Rack combined; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side view of my wagon-rack. Fig. 2 is an end view. Fig. 3 is a perspective detail, and Fig. 4 is an end view open.

My invention relates to the construction of wagon-racks; and it consists in the means for securing the side beams, cross-bars, and stakes, and also in the construction of a hay and hog rack, all as hereinafter more fully set forth.

The annexed drawings, to which reference is made, fully illustrate my invention.

A A represent the two parallel side beams. B B are the cross-bars, and C C are the upright stakes, said parts being all connected together in the following manner.

At suitable intervals upon each side beam are secured angle-irons D D, which lie against the inner and top sides of the beam. The arms of these angle-irons extend beyond the beam, and have slots *a a* in them, as shown. In other words, the vertical arm of each angle-iron extends below the side beam, and has a slot for the passage of the end *b* of the cross-bar B, said end *b* lying against the under side of the beam and projecting beyond the outside thereof.

In like manner the horizontal arm of the angle-iron projects beyond the outer side of the beam, and has a slot, through which the stake C is passed, said stake lying close against the outer side of the beam and extending below the same. Diagonally through the beam is passed a bolt, *d*, the upper end thereof passing through the angle of the angle-iron D and a nut, *e*, screwed on this end of the bolt.

On the lower end of the bolt is formed an oval loop, F, having a central partition, *f*, so as to form two slots. The lower end of the stake C and the end *b* of the cross-bar B are chamfered, as shown, and passed through the loop F, one on each side of the partition *f*. By now tightening the nut *e* the stake and cross-bar are both held to the beam, and at the same time the angle-iron D secured firmly in place on the beam. With the stakes C C thus in position a wood-rack is formed.

G G represent curved stakes or arms connected by means of horizontal slots H H, which may be arranged to extend over the bed to form a hog-rack, or outward from the same to form a hay-rack. The stakes C C are removed and the arms G fastened in the same manner in the angle-irons and loops.

When it is intended to form a hog-rack the racks G H are arranged to meet in the center, where they may be fastened together by hoops or other suitable means.

To make the change for a hay-rack, it is only necessary to interchange these racks, when they will curve outward from the lid.

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

1. The reversible curved racks, of such length that they may be arranged to extend across the bed to form a hog-rack, or outward from the same to form a hay-rack, substantially as described.

2. The slotted angle-iron D and the loop F, with partition *f*, bolt *d*, and nut *e*, in combination with the beam, cross-bar, and stake, substantially as and for the purposes herein set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WM. T. BURROWS.

Witnesses:

C. A. GREELEY,
J. W. MITCHELL.