

(Model.)

D. B. TERRELL.

POLE AND SHAFT FOR VEHICLES.

No. 256,928.

Patented Apr. 25, 1882.

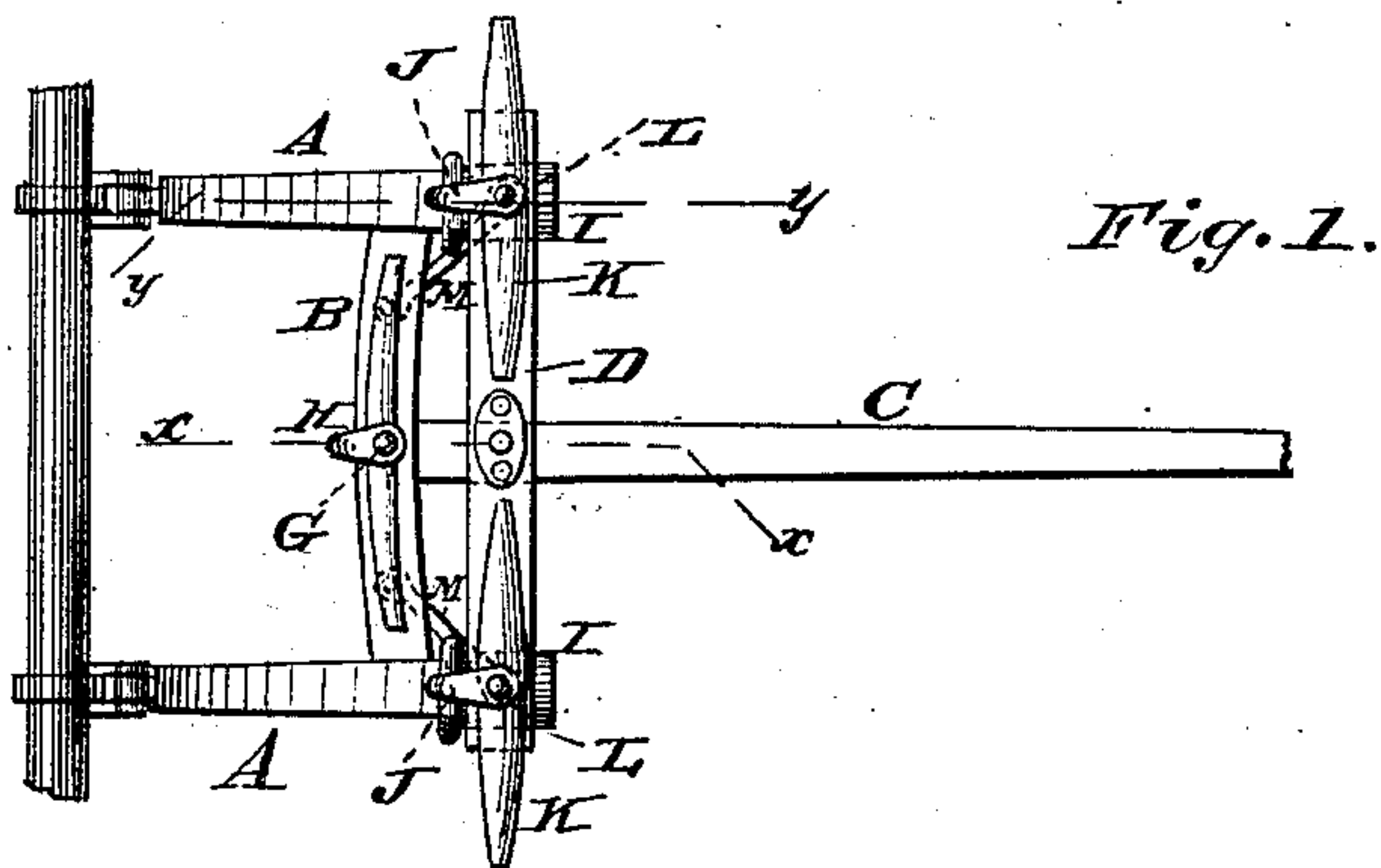


Fig. 1.

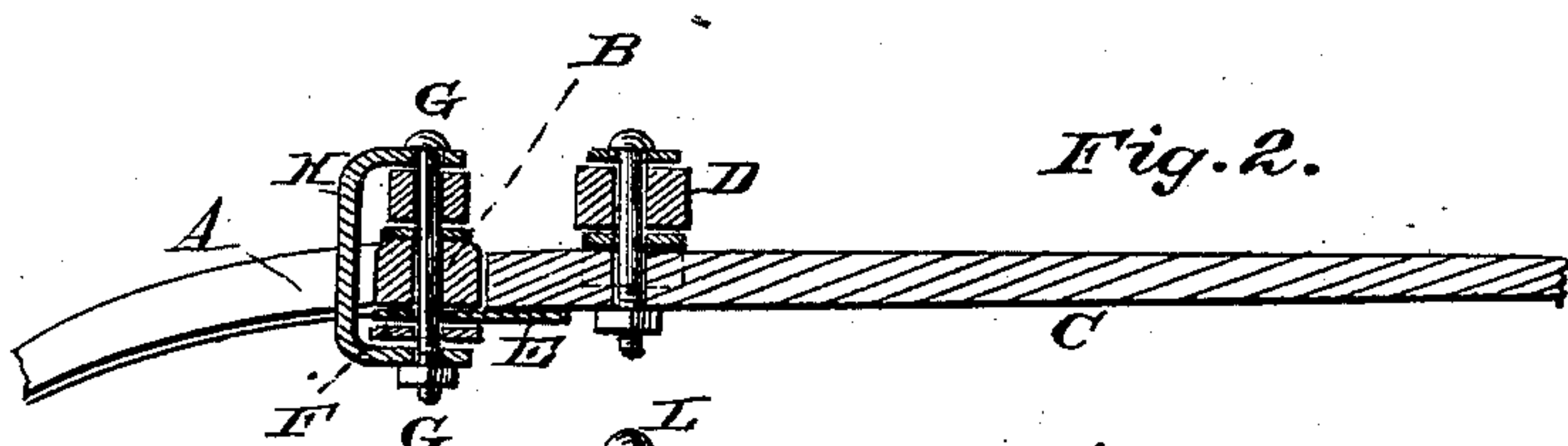


Fig. 2.

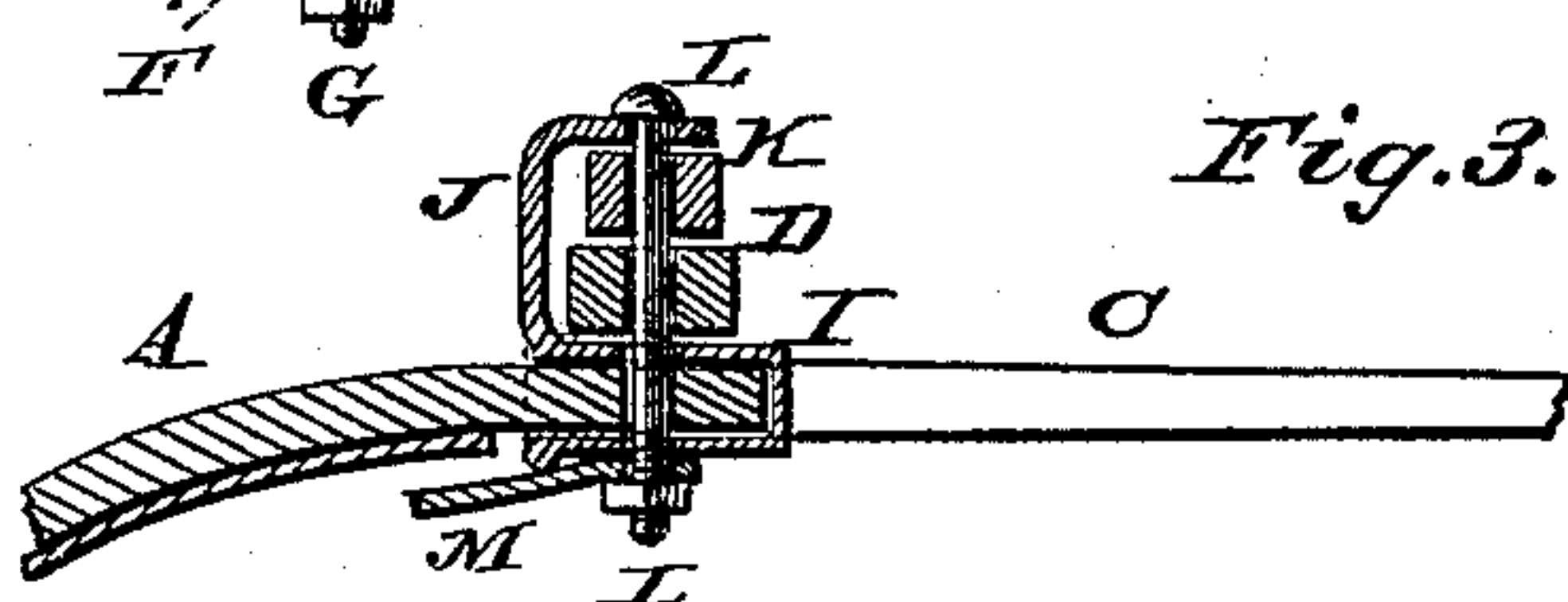


Fig. 3.

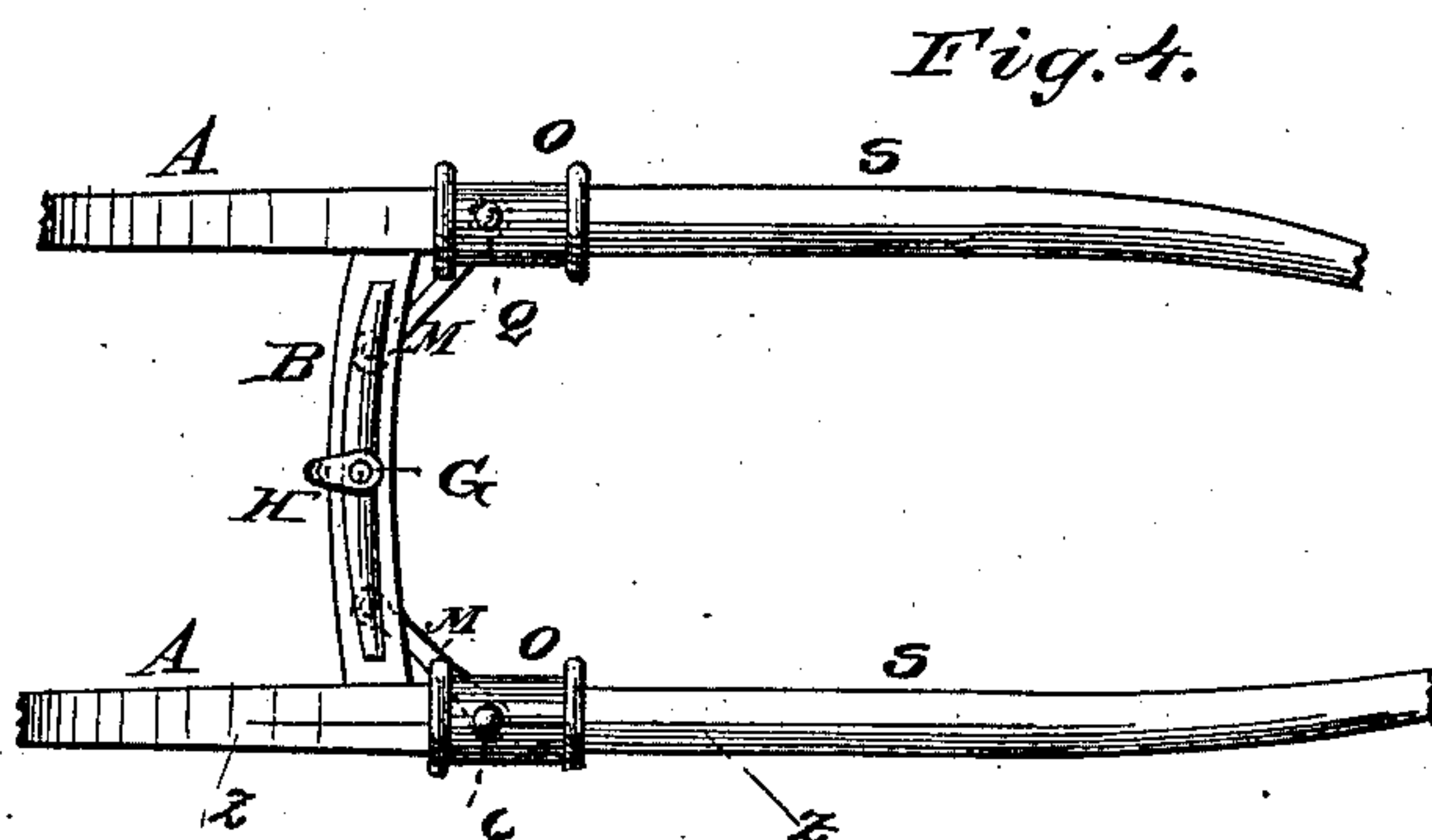


Fig. 4.

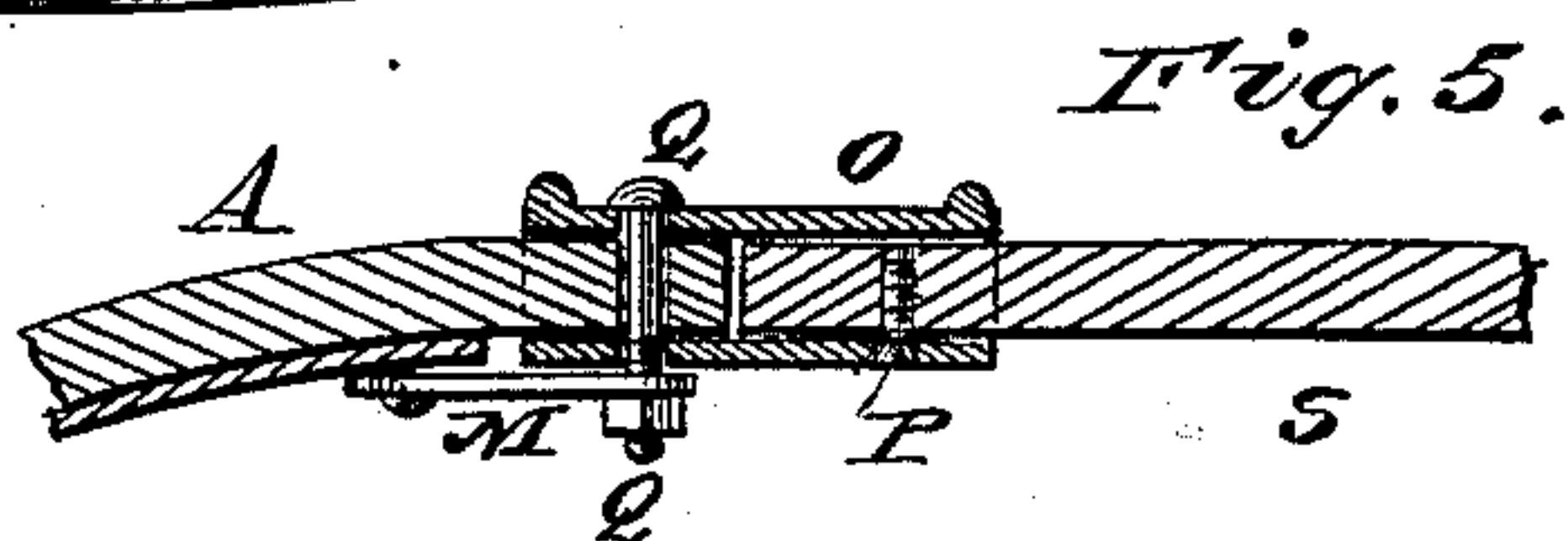
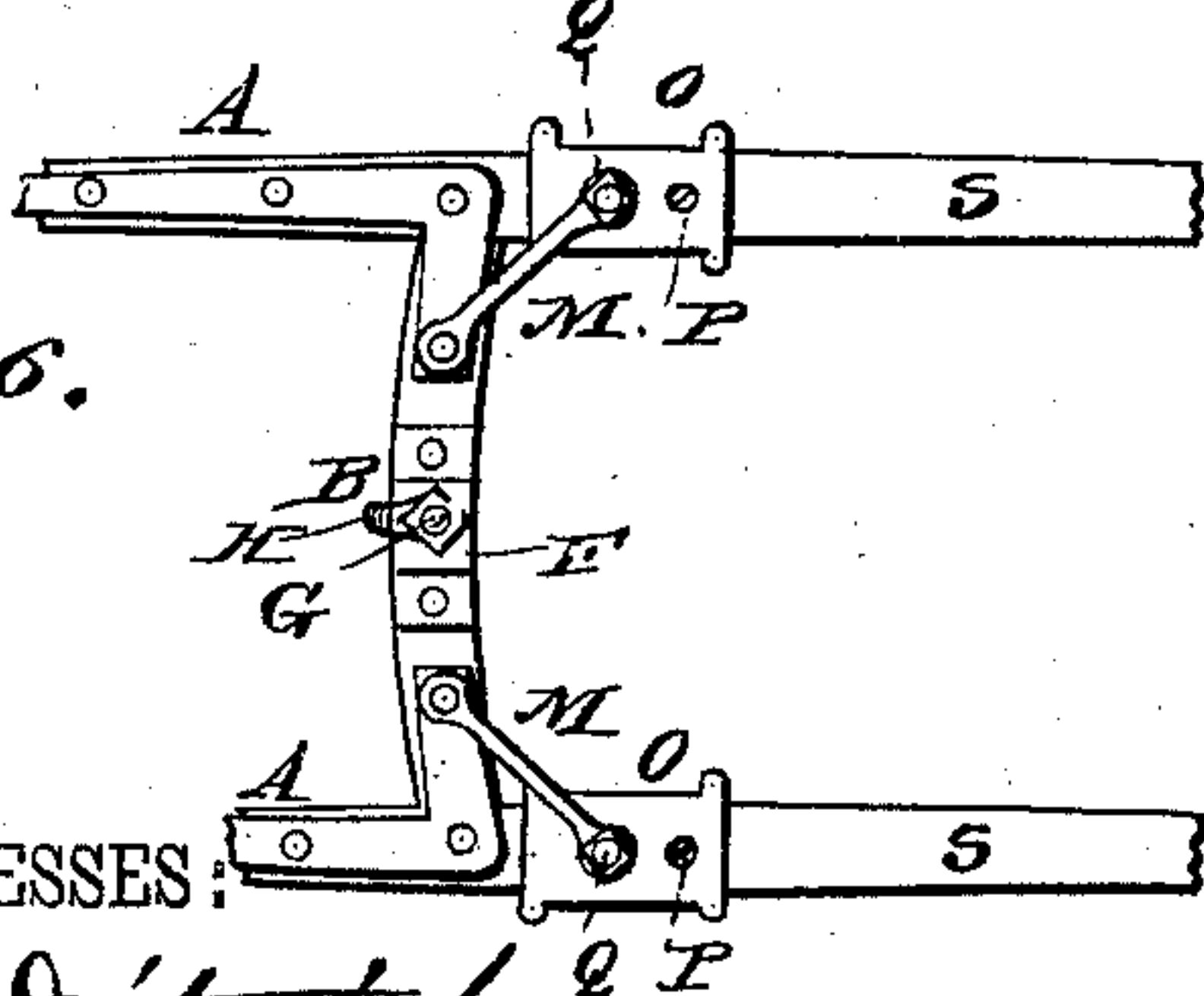


Fig. 5.

Fig. 6.



WITNESSES:

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UNITED STATES PATENT OFFICE.

DIOGENES B. TERRELL, OF WYTHEVILLE, VIRGINIA.

POLE AND SHAFT FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 256,928, dated April 25, 1882.

Application filed February 11, 1882. (Model.)

To all whom it may concern:

Be it known that I, **DIOGENES B. TERRELL**, of Wytheville, in the county of Wythe and State of Virginia, have invented certain new and useful Improvements in Devices for Attaching Poles and Shafts to Vehicles; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a plan view of my invention, showing the pole in position and shafts detached. Fig. 2 is a section on the line *xx*, Fig. 1. Fig. 3 is a section on the line *yy*, Fig. 1. Fig. 4 is a plan view, showing the shafts in position. Fig. 5 is a section on the line *zz*, Fig. 4, and Fig. 6 is a bottom plan.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to devices for attaching poles and shafts interchangeably to vehicles; and it consists in certain improvements in the construction of the same which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, **A A** represent a pair of short arms or stub ends of thills, which are secured to the vehicle-axle by thill-couplings of the ordinary construction. The arms **A A** are connected near their front ends by a cross bar or brace, **B**, which, with the said arms **A**, forms a permanent attachment to the vehicle.

C is the vehicle-pole, which is provided near its rear end with a cross-bar, **D**. At its rear end the pole has a rearward-projecting strap, **E**, adapted to enter a recess, **F**, in the brace **B**, where it is secured by a bolt, **G**, passing through the said strap and brace and through a clip, **H**, which also serves to secure in position a single-tree placed on top of said brace, and which may also be regarded as one of the permanent fixtures of the device.

I I are two sockets fitted upon the ends of the arms **A**, and provided with clips or brackets **J**, overlapping the ends of the cross-bar **D** and the single-trees **K**, which are placed upon the ends of said cross-bar and held in place

by bolts **L**, passing through the clips **J**, sockets **I**, single-trees **K**, and the ends of the arms **A** to which these parts are thus secured. In this manner the pole and its attachments are connected to the vehicle; but to further strengthen the connection I also avail myself of brackets or braces **M**, secured to the under side of the brace **B** and connected to the bolts **L**, the strain upon which is thus partly taken up by said braces.

When it is desired to substitute thills or shafts for the pole **C** the latter is removed by removing the bolts which connect it and the cross-bar **D**, sockets **I**, and single-trees **K** to the arms **A** and brace **B**. The shafts **SS** are now connected to the ends of the arms **A** by means of sleeves **O** and bolts **P Q**, the latter of which also pass through the braces **M**, as clearly shown in Fig. 6 of the drawings.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation and advantages of my invention will be readily understood. The pole and shafts may be readily interchanged, and the shafts may be conveniently strapped to the vehicle, so as to be always available when required.

I am aware of the patent to **Dykes**, No. 214,897, dated April 29, 1879, and I claim nothing therein shown.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination of the arms **A**, cross-brace **B**, having recess **F**, pole **C**, having cross-bar **D** and strap **E**, sockets **I**, having brackets **J**, single-trees **K**, and suitable connecting-bolts, substantially as set forth.

2. The combination of the arms **A**, cross bar or brace **B**, pole **C**, having cross-bar **D**, sockets **I**, having brackets or clips **J** and suitable connecting-bolts, and braces **M**, connecting said bolts with the cross-bar **B**, substantially as set forth.

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

DIOGENES B. TERRELL.

Witnesses:

GEORGE H. WILLIAMS,
VOLNEY H. GIBBONEY.