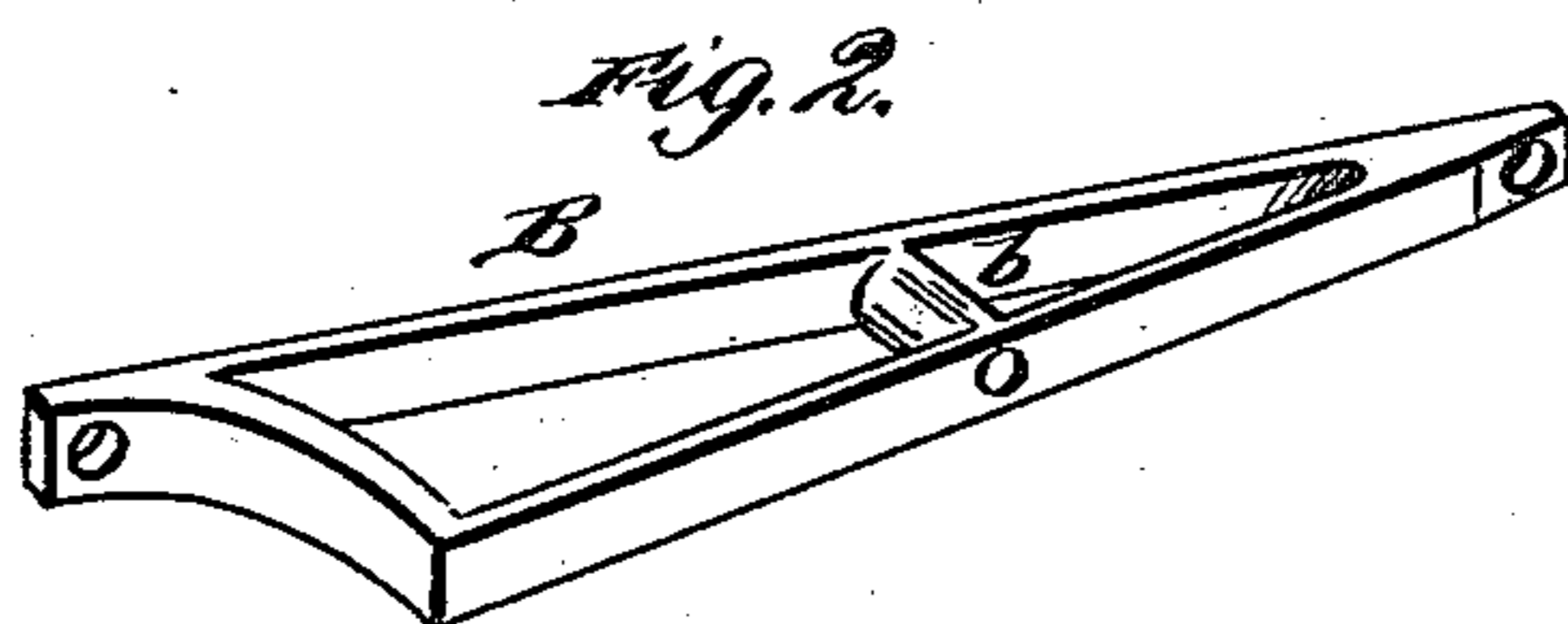
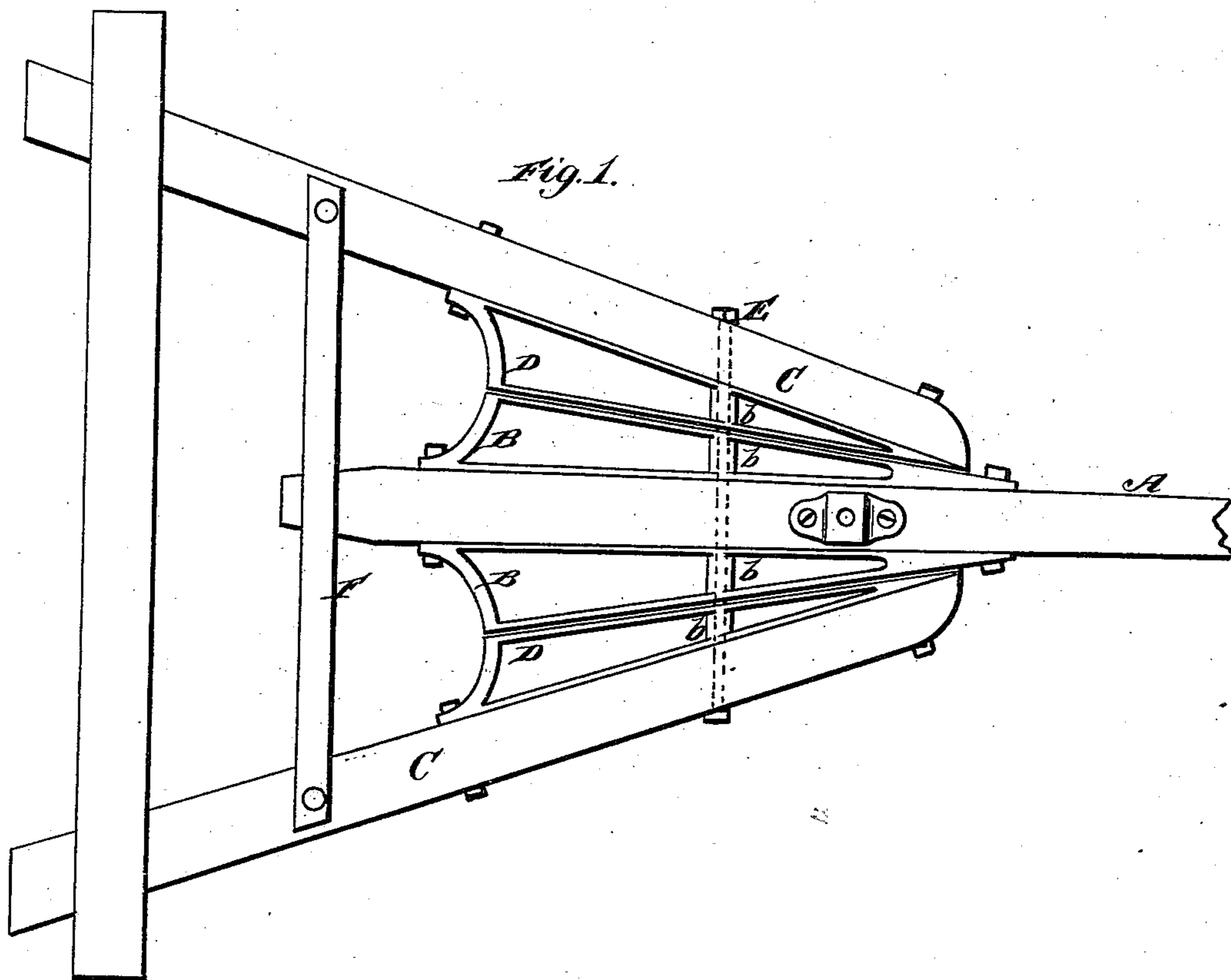


W. W. GOTTIER.
Wagon-Tongue Coupling.

No. 226,307.

Patented April 6, 1880.



WITNESSES

Robert Everett.
Chas. G. Page.

INVENTOR

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UNITED STATES PATENT OFFICE.

WILLIAM W. GOTTIER, OF DUNKIRK, OHIO.

WAGON-TONGUE COUPLING.

SPECIFICATION forming part of Letters Patent No. 226,307, dated April 6, 1880.

Application filed February 14, 1880.

To all whom it may concern:

Be it known that I, WILLIAM W. GOTTIER, of Dunkirk, in the county of Hardin and State of Ohio, have invented certain new and useful
5 Improvements in Wagon-Tongue Couplings; 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
10 part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan of my wagon-tongue coupling, and Fig. 2 is a detail view of the same.

15 The nature of my invention relates to wagon-tongue couplings.

The improvement consists in the construction and arrangement of the hounds, and also in a device for checking the downward tilt of
20 the pole, as fully set forth in the following description, and particularly pointed out in the claim.

In the drawings, A designates the pole, to which are bolted the pole-hounds B, each of
25 which hounds consists of a long triangular-shaped frame formed with a central cross-piece, *b*. These frames are arranged with the apex of the triangle nearest to the front end of the pole.

30 C C designate long wooden hounds, to which are bolted metal hounds D, formed and arranged like the hounds B. These hounds D have also cross-pieces *b*, and to pivot the pole a bolt, E, passes through the hounds C, the
35 cross-pieces *b*, and the pole. The weight of the pole-hounds causes the pole to nearly balance, whereby it will have but little weight upon the horses' necks. The pole-hounds work

between the hounds D, and all of the said hounds come nearly together at their forward 40 ends.

In order to prevent the pole from tilting down too far I provide a check-bar, F, which is bolted or secured by clamps to the wooden hounds C in position to arrest the rear end of 45 the tongue when the pole is tilted down.

When desired, however, to let the pole tilt down so that its rear end will rise above the horizontal plane of the hounds, the check-bar F may be removed. 50

In either instance there will not be a great deal of weight upon the horses' necks; but where the aforesaid check-bar is employed the pole will be so maintained that after it is checked by the check-bar the harness may be 55 arranged so as to relieve all unnecessary weight from the horses' necks.

The hounds are strong and durable, and the pole turns freely upon its pivot.

What I claim is— 60

In a wagon-tongue coupling, the combination of the pole A, provided with the metal hounds B, having hollow cross-pieces *b b*, the hounds C C, provided with the metal hounds DD, having hollow cross-pieces *b b*, bolt E, and 65 cross-piece F, secured to the hounds C C, all constructed and operating substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence 70 of two witnesses.

WILLIAM WALLACE GOTTIER.

Witnesses:

HARVEY J. EAGER,
JAMES J. WOOD.