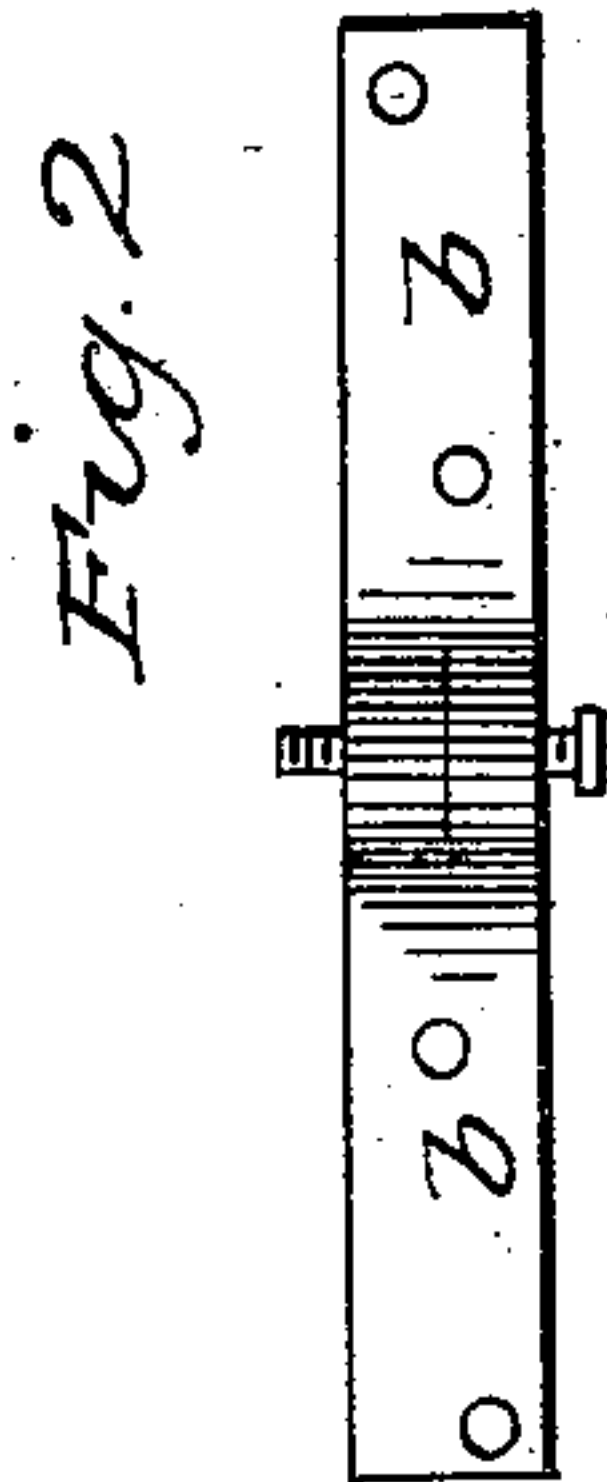
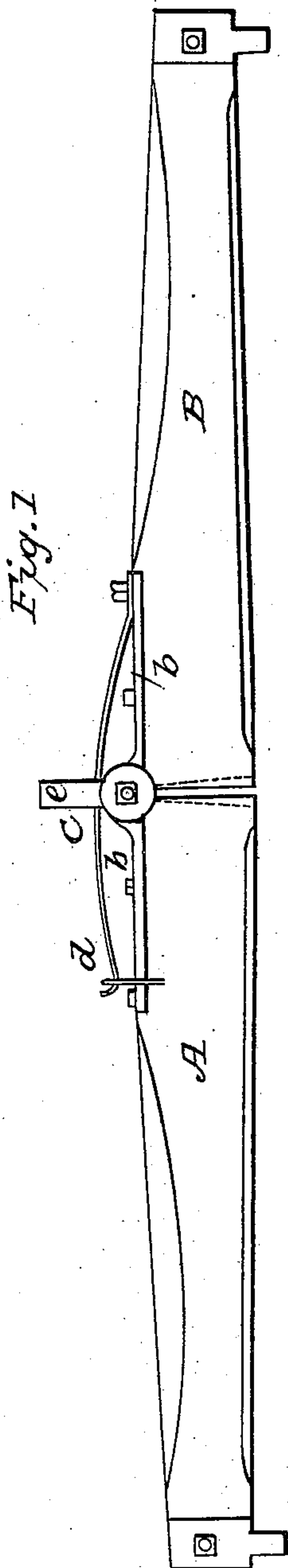


D. & M. FOREMAN.
Draft Equalizer.

No. 76,737.

Patented April 14, 1868.



Witnesses
J. A. Ellis
J. W. Martin

Inventors
D. & M. Foreman
per
J. C. Alexander.

United States Patent Office.

DANIEL FOREMAN AND MICHAEL FOREMAN, OF DALTON, OHIO.

Letters Patent No. 76,737, dated April 14, 1868.

IMPROVEMENT IN DRAUGHT-BARS.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that we, DANIEL FOREMAN and MICHAEL FOREMAN, of Dalton, in the county of Wayne, and State of Ohio, have invented certain new and useful Improvements in Draught-Bars; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 represents a plan view of our invention, and

Figure 2 a similar view of the joint, with the clevis removed.

The nature of our invention consists in the construction of a draught-bar formed into two parts, united by a hinge and spring, for the purpose of preventing the shock given to the vehicle when first started.

A B represent two sections of our draught-bar; *b b*, the wings of the hinge by which the bars A B are united. C designates a spring, one end of which is bolted to the end of the wings of the hinge, the other end of said spring being made to pass through the clip *d*, and is bent upwards, to prevent it from escaping from said clip.

The spring C is curved, with the concave surface downward, and, by its action on the wings *b b*, serves to keep the inner ends of the draught-bar apart, as represented by dotted lines in fig. 1. This spring is prevented from having a lateral motion by the clevis *e*, through which it passes.

In operating our invention, it will be seen that in starting a vehicle, the first sudden jerk of the horses will be resisted by the spring C, and the bars A B will be brought in line gradually, thereby preventing a sudden jar of the vehicle.

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

Constructing the draught-bar in two equal parts, and so hinging said parts as to leave a space between them, when the same is used in combination with spring C, staple *d*, and clevis *e*, all arranged substantially as and for the purpose set forth.

In testimony that we claim the foregoing as our own, we affix our signatures in presence of two witnesses.

DANIEL FOREMAN,
MICHAEL FOREMAN.

Witnesses:

E. RAFFENSPERGER,
A. HENDERSON.