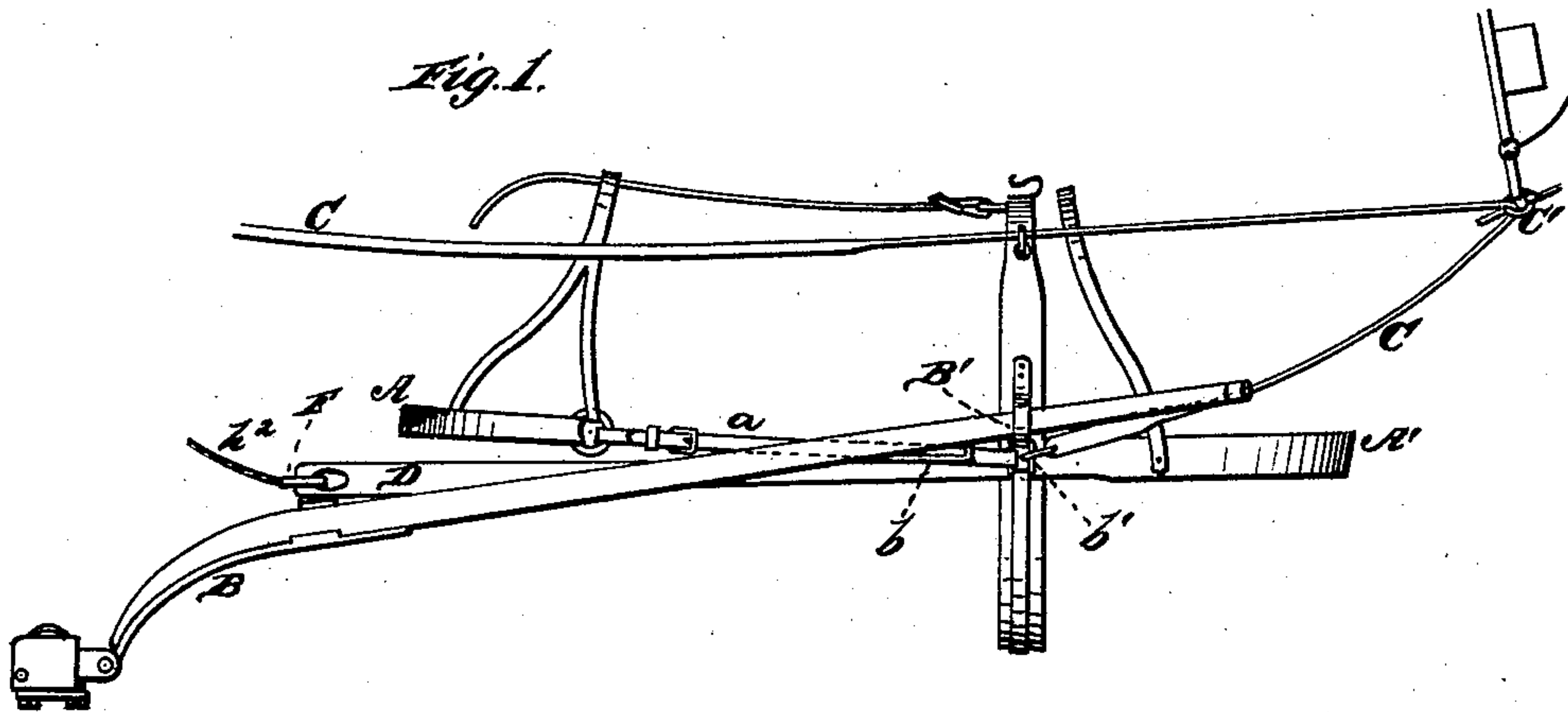


A. K. DIEFENBACH.
Harness,

No. 212,201.

Patented Feb. 11, 1879.



WITNESSES
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AMOS K. DIEFENBACH, OF WEST ALEXANDRIA, OHIO.

IMPROVEMENT IN HARNESS.

Specification forming part of Letters Patent No. **212,201**, dated February 11, 1879; application filed October 19, 1878.

To all whom it may concern:

Be it known that I, AMOS K. DIEFENBACH, of West Alexandria, in the county of Preble and State of Ohio, have invented a new and valuable Improvement in Harness; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, making a part of this specification, in which the figure represents a side elevation of a harness embodying the improvements in my invention.

My invention relates to harness; and consists in the improvements in the construction of the same, hereinafter fully described, and particularly pointed out in the claim.

In carrying out my invention, I connect the draft and holdback—that is to say, the breeching and breast-strap or collar—with a suitable strap on each side.

The thills have upon their lower surfaces a stud or lug, which prevents the thill-loop, which is suspended from the saddle, from slipping backward, and acts as an efficient holdback. The driving-reins lead from a ring which is secured to the thill-loop through the bit-ring and back to the vehicle.

Referring to the drawing, A represents the breeching, and A' the breast-strap, connected by the strap *a*. B represents the thills, having a stud or stop, *b*, and B' the thill-loop.

From a ring, *b'*, the reins C lead forward to the bit-rings C', and thence back to the ve-

hicle. D represents the tugs or traces, which are provided with suitable eyes to engage with the hooked ends of the levers F, pivoted within the whiffletree.

The arrangement of the reins allows a great purchase on the horse's mouth, and in many cases enables the driver to control or subdue a refractory horse; but in case the horse becomes entirely unmanageable, the driver may, by pulling the rope *h*², throw the levers F out of contact with the catches which hold them, and thus release the tugs, at which time the thill-loops slip from the thills, the reins are dropped, and the horse liberated.

The horse-detacher herewith shown forms no part of this application; but the right to make a separate application therefor is hereby reserved.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent, is—

The combination of the connected draft and holdback portions of the harness and the ring *b'* with the reins C, leading from said ring through the bit-rings and back to the vehicle, as set forth.

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

AMOS K. DIEFENBACH.

Witnesses:

G. M. ORR,

OSCAR SHEPPARD.