(No Model.)

C. BEHRINGER.

WAGON BRAKE.

No. 321,178. Patented June 30, 1885.

Fig. 1.

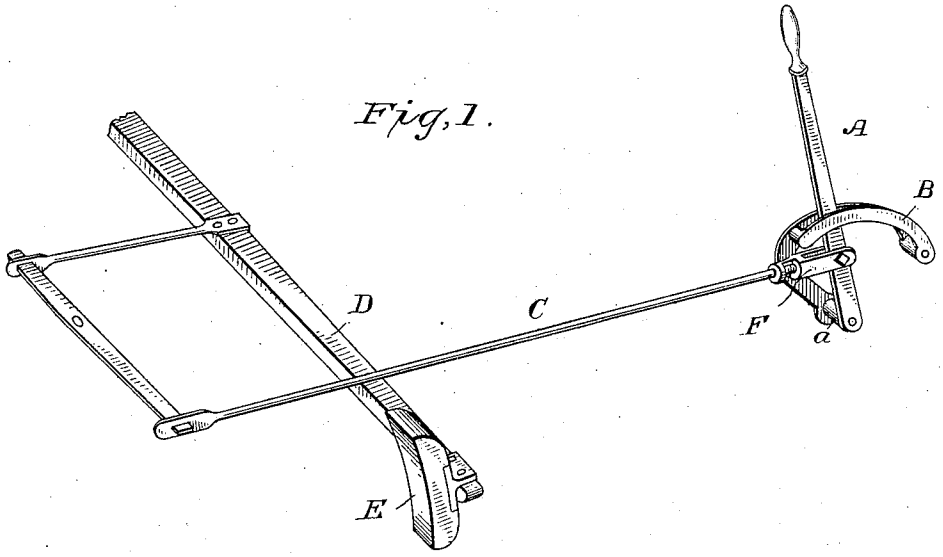


Fig. 2.

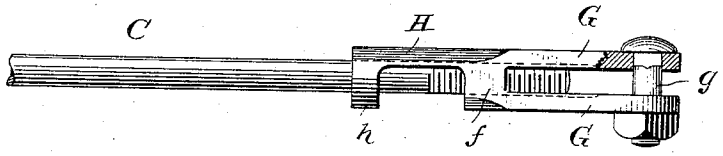
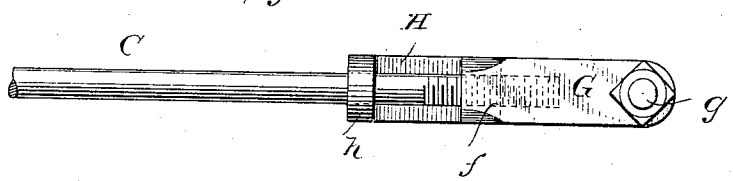


Fig. 3.



Witnesses

Geo. W. Young.

Henry A. Lamb.

Inventor

Charles Behringer.

By his Attorneys

James & Kinkle

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UNITED STATES PATENT OFFICE.

CHARLES BEHRINGER, OF DEFIANCE, OHIO, ASSIGNOR TO THE TURNBULL WAGON COMPANY, OF SAME PLACE.

WAGON-BRAKE.

SPECIFICATION forming part of Letters Patent No. 321,178, dated June 30, 1885.

Application filed May 20, 1885. (No model.)

To all whom it may concern:

Be it known that I, CHARLES BEHRINGER, a citizen of the United States, residing at Defiance, in the county of Defiance and State of Ohio, have invented certain new and useful Improvements in Wagon-Brakes, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in wagon-brakes; and it consists in providing an improved and adjustable connection between the brake-rod and the hand-lever by which it is operated, the object being to compensate for small differences of construction, and also to take up wear between the rub-blocks and the wheels.

In the accompanying drawings, Figure 1 is a view in perspective showing a portion of the brake mechanism, including my improvement. Fig. 2 is an enlarged detail plan view of the adjusting device. Fig. 3 is a side view of the same, also enlarged.

A is the brake-lever, which is pivoted to the ordinary quadrant-frame, B, at a point, *a*.

C is the draft-rod of the brake mechanism, and it is secured at one end to a suitable lever connected to the brake-beam D, which carries the rub-blocks E.

F is the brake-rod adjuster, which consists of a connecting-piece formed with a threaded sleeve portion, *f*, a pair of lugs, G G, extending endwise therefrom, and suitably apertured near their extremities for the reception of a bolt, *g*, by which the device is pivotally secured to the brake-lever A.

From the opposite extremity of the threaded sleeve *f* extends an arm, H, which is provided at its extremity with an eye, *h*, through which passes the screw-threaded extremity of the draft-rod C, the eye serving as a guide to the threaded sleeve, by means of which the piece F can be adjusted lengthwise on the said brake-rod, as may be desired, and, having been adjusted to the required position, is then to be secured in its operative position to the hand-lever A.

The arm H, which may be longer or shorter, as desired, is for the purpose of carrying the guide-eye *h*, which prevents the screw threaded portion of the draft-rod C from becoming bent or injured, and it is also sometimes used to rest against, and thereby keep the draft-rod away from, that portion of the quadrant-frame or other supporting devices with which it would otherwise come in contact, and in such cases the said arm H will be made long enough to answer that purpose.

To take up wear in the rub-blocks or other parts, or when it is desired to insert larger blocks, the adjuster F is disconnected from the lever A by withdrawing the bolt *g*, when it can be turned either way and the rod lengthened or shortened, as required.

I am aware of the patent to O. A. Kenyon, No. 217,385, and I do not claim the particular device there shown, my invention consisting in the construction and arrangement herein described and claimed.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A brake-rod adjuster consisting of a threaded sleeve formed with lugs, whereby it can be secured to the brake-lever, and a rearwardly-extending guide-arm provided with an eye, through which the brake-rod is guided to the threaded sleeve, substantially as set forth.

2. The combination, with a brake-lever and a screw-threaded brake-rod, of the adjuster F, consisting of the threaded sleeve *f*, having the lugs G G, and the guide-arm H, provided with the eye *h*, substantially as and for the purpose described.

In testimony whereof I hereto affix my signature in presence of two witnesses.

CHARLES BEHRINGER.

Witnesses:
L. B. PEASLE,
KARL A. FLIEKINGER.