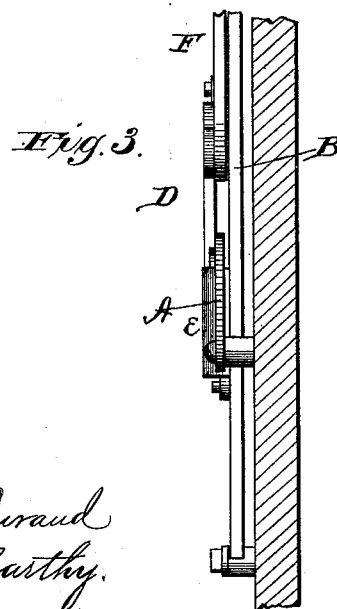
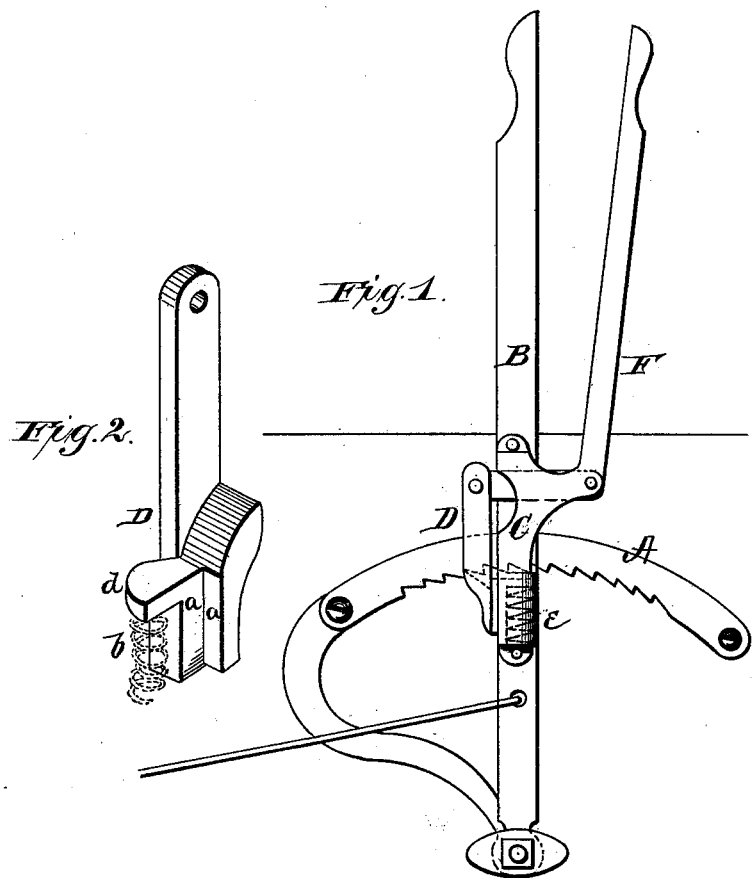


E. J. ANDERSON.
Brake-Lever for Vehicles.

No. 214,865.

Patented April 29, 1879.



WITNESSES
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UNITED STATES PATENT OFFICE.

EDGAR J. ANDERSON, OF RACINE, WISCONSIN, ASSIGNOR TO JENS JENSEN,
OF SAME PLACE.

IMPROVEMENT IN BRAKE-LEVERS FOR VEHICLES.

Specification forming part of Letters Patent No. **214,865**, dated April 29, 1879; application filed
March 18, 1879.

To all whom it may concern:

Be it known that I, EDGAR J. ANDERSON, of Racine, in the county of Racine, and in the State of Wisconsin, have invented certain new and useful Improvements in Lever-Locks for Vehicle-Brakes; and 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, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a lever-lock for wagon-brakes, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a front view of my invention. Fig. 2 is a detailed view of a part thereof. Fig. 3 is an edge view.

A represents the ratchet, fastened to the side of the wagon-body. B is the lever, pivoted below the ratchet to the side of the wagon-body, and passing upward between it and the ratchet. To the lever is fastened what I term a "buckle," C, which passes on the outside of the ratchet, and fastens to the lever a suitable distance above or below the same, thus making the lever much stronger where the most strength is required without increasing the cost or weight of the lever.

Between the buckle and the lever slides the dog D, and presses up into the teeth of the ratchet, the projecting flanges *a a*, as shown in Fig. 2, pressing against the edges of the lever and the buckle, thus making it extremely strong with a small amount of metal, and the strength is not diminished by wear.

The dog is held up into the teeth of the ratchet by means of the spring *b*, operating against the lug *d*, and resting in a pocket at *e* in the buckle.

F is an elbow-lever, jointed to the buckle and the dog, so that in compressing the handles the dog is forced out of the teeth of the ratchet, thus allowing the lever to be worked at will.

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

In combination with the ratchet A and lever B, the buckle C, formed with the pocket *e*, the dog D, having flanges *a a* and lug *d*, the spring *b*, and elbow-lever F, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of March, 1879.

EDGAR J. ANDERSON.

Witnesses:

F. M. FISH,
M. J. SMOLLEN.