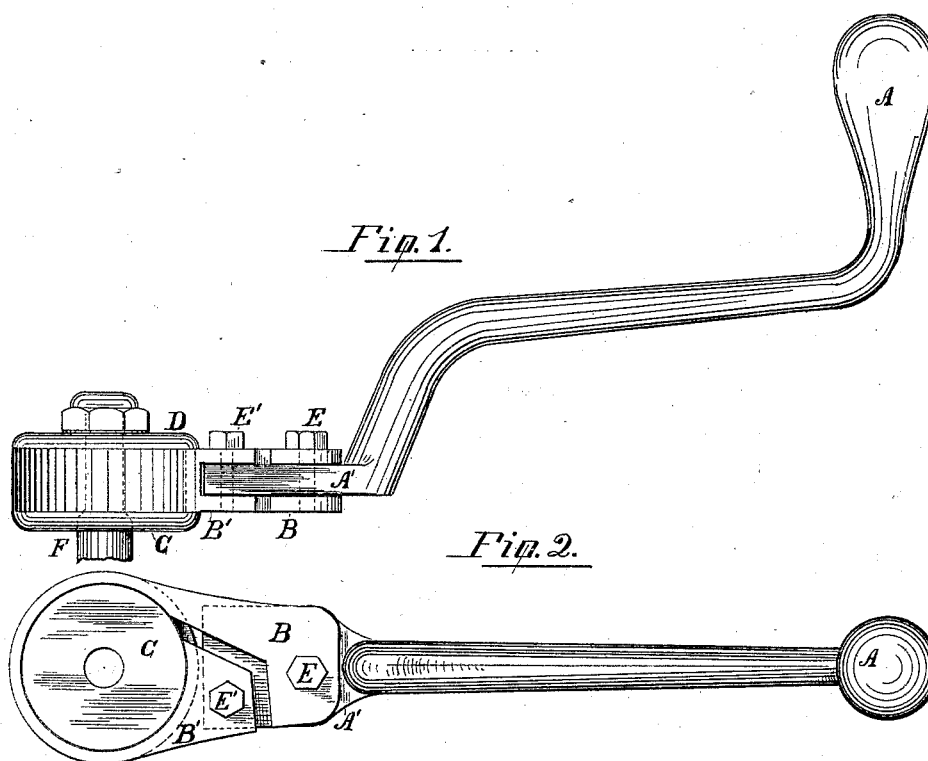


(No Model.)

C. W. ALDEN.
CAR BRAKE HANDLE.

No. 422,683.

Patented Mar. 4, 1890.



Witnesses
Elihu B. Stowe,
James T. Summerville,

Inventor
Charles W. Alden,
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Attorney

UNITED STATES PATENT OFFICE.

CHARLES W. ALDEN, OF STOCKTON, CALIFORNIA, ASSIGNOR OF ONE-HALF
TO CHARLES A. TARBOX, OF SAME PLACE.

CAR-BRAKE HANDLE.

SPECIFICATION forming part of Letters Patent No. 422,683, dated March 4, 1890.

Application filed December 6, 1889. Serial No. 332,843. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. ALDEN, a citizen of the United States, residing at Stockton, in the county of San Joaquin and State of California, have invented certain new and useful Improvements in Car-Brakes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to certain improvements in car-brakes, more particularly such as are used on street-railroads to stop frequently.

It consists in the manner of operating the handle and grip; also in such other devices as will be hereinafter described, and pointed out in the claim.

To more fully explain my invention, reference is had to the accompanying drawings, in which—

Figure 1 is a side elevation. Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

A is the handle, having a flat foot A', to the

top surface of which is secured by bolts E and E', respectively, the jaws B B' of a neck-rim encircling a head G, which has a threaded center engaging with a standard F.

D is a cap provided with a female screw, which engages with a male screw on top of the standard F.

To operate this brake the handle A is drawn toward the operator, causing the grip B B' to closely embrace the head G, causing the standard F to turn. When the handle A is turned in the reverse direction the grip loosens its hold and permits the handle A to resume its original position and take another grip.

What I claim as new is—

The handle A, provided with the flat foot A', in combination with the grip-jaws B and B', secured to the foot A by the screws E and E', the head G, encircled by the grip B B', the standard F, engaging with threaded center of the head G, and the cap D, all as shown and described.

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

CHARLES W. ALDEN.

Witnesses:

JOSHUA B. WEBSTER,

JAMES T. SUMMERVILLE.