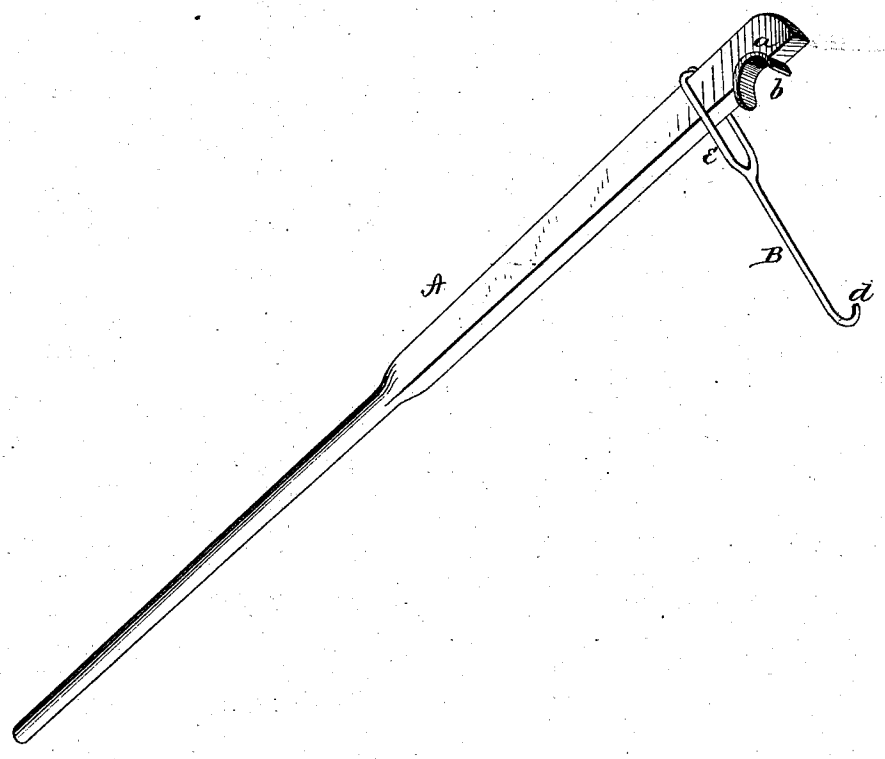
A. STEWART.
Car-Starter.

No. 225,433. Patented Mar. 9, 1880.



Witnesses,
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UNITED STATES PATENT OFFICE.

ARCHIBALD STEWART, OF KEOTA, IOWA.

CAR-STARTER.

SPECIFICATION forming part of Letters Patent No. 225,433, dated March 9, 1880.

Application filed July 17, 1879.

To all whom it may concern:

Be it known that I, ARCHIBALD STEWART, of Keota, in the county of Keokuk, and in the State of Iowa, have invented certain new and useful Improvements in Car-Starters; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction of a car-starter, 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 drawing, which represents a perspective view of my car-starter.

A represents a lever of suitable length, provided near one end, on the under side, with a recess, *a*, having a metal shoe, *b*, secured thereon. B is a bar or rod, formed at one end with a hook, *d*, and at the other end with a slot, *e*. The lever A is passed through this slot, the hook hanging down, and the bar or rod B is then pivoted, by a staple or otherwise, to the top of the lever a short distance inward from the recess *a*.

In operation the lever rests with its shoe *b* on the axle inside of the car-wheel, and the hook *d* grabs the rim of the wheel about three inches above the track. It takes hold of the wheel below the center of the same, and as the outer end of the lever is raised the hook gets tighter and cannot slip.

I am aware that a lever with hooked end to embrace the axle and a slide on said lever carrying a hook to catch on the rim of the wheel is not new, and I do not claim such as my invention.

My invention is simple in form, durable, and cheap, and there is no danger of slipping.

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

The combination of the lever A, provided with a recess, *a*, having the curved metallic shoe *b* fastened therein, and the slotted bar or rod B, pivoted to the lever and formed on its outer end with the hook *d*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 28th day of June, 1879.

ARCHIBALD STEWART.

Witnesses:

JACOB S. KULP,

MARTIN WRIGHT.