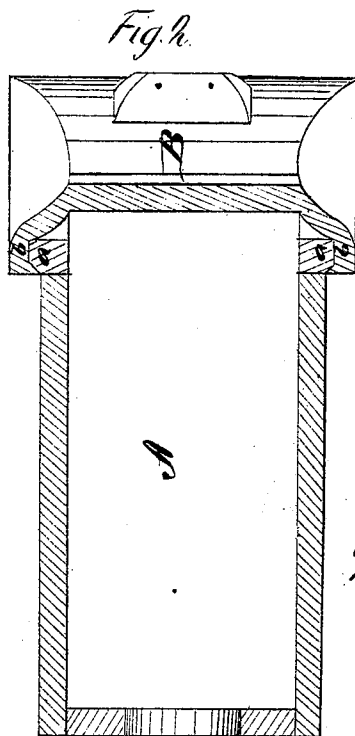
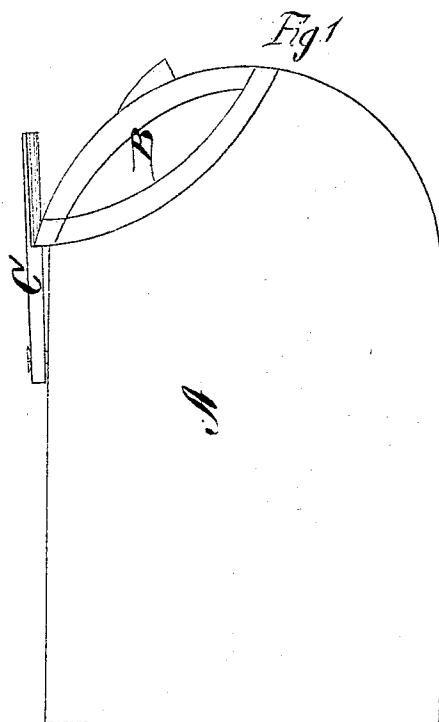


WILLIAM G. PARR.
Improvement in Car Axle Boxes.

No. 119,877.

Patented Oct. 10, 1871.



Witnesses
Jas. E. Hutchinson
C. L. Evers

Inventor
Wm G. Parr
per
Charles Mason
Atty.

UNITED STATES PATENT OFFICE.

WILLIAM G. PARR, OF NORMAL, ILLINOIS.

IMPROVEMENT IN CAR-AXLE BOXES.

Specification forming part of Letters Patent No. 119,877, dated October 10, 1871.

To all whom it may concern:

Be it known that I, WILLIAM G. PARR, of Normal, in the county of McLean and in the State of Illinois, have invented certain new and useful Improvements in Car-Axle Boxes; and 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 and arrangement of a cap for car-axle boxes, with the mode of fastening the same, 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, in which—

Figure 1 is a side view, and Fig. 2 a horizontal section.

A represents the car-axle box, provided with a concave opening at its outer end. On the sides of this opening are concave rims *a a*, which fit in concave grooves *b b* on the inside of the cap B. When put on the cap is held by a pivoted steel spring, C. The cover or cap slides on the concave rim, thus obviating the necessity of the bolt now generally used. The rim also, it will be noticed, prevents the cover from being thrown off or up by the upward motion of the car. It breaks

the upward tendency of the cover when the car is in motion, and what little slide there otherwise might be to the cover is obviated by the catch C at the top of the box. In other words, the cover, working on a curve and held in place by the rim, is not readily thrown out or opened by the upward and downward motion of the car, and the little tendency of the cover to open is overcome by the spring fastening at the top of the box.

The bottom of the cover can rest on leather or be otherwise packed, if desired. In place of the concave rim and concave groove, as above described, the rim and groove may be curved upward, making the sides of the box and cap to correspond, which will answer precisely the same purpose and work in the same manner.

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

A cover or cap for car-axle boxes, working on a curve and held in place by a rim on the box, in combination with a catch or other fastening on top, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 3d day of July, 1871.
WILLIAM G. PARR.

Witnesses:

THOS. SLADE,
A. N. MARR.

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