

A. R. TIFFANY.
Car-Axle Box Cover.

No. 226,463.

Patented April 13, 1880.

Fig. 1.

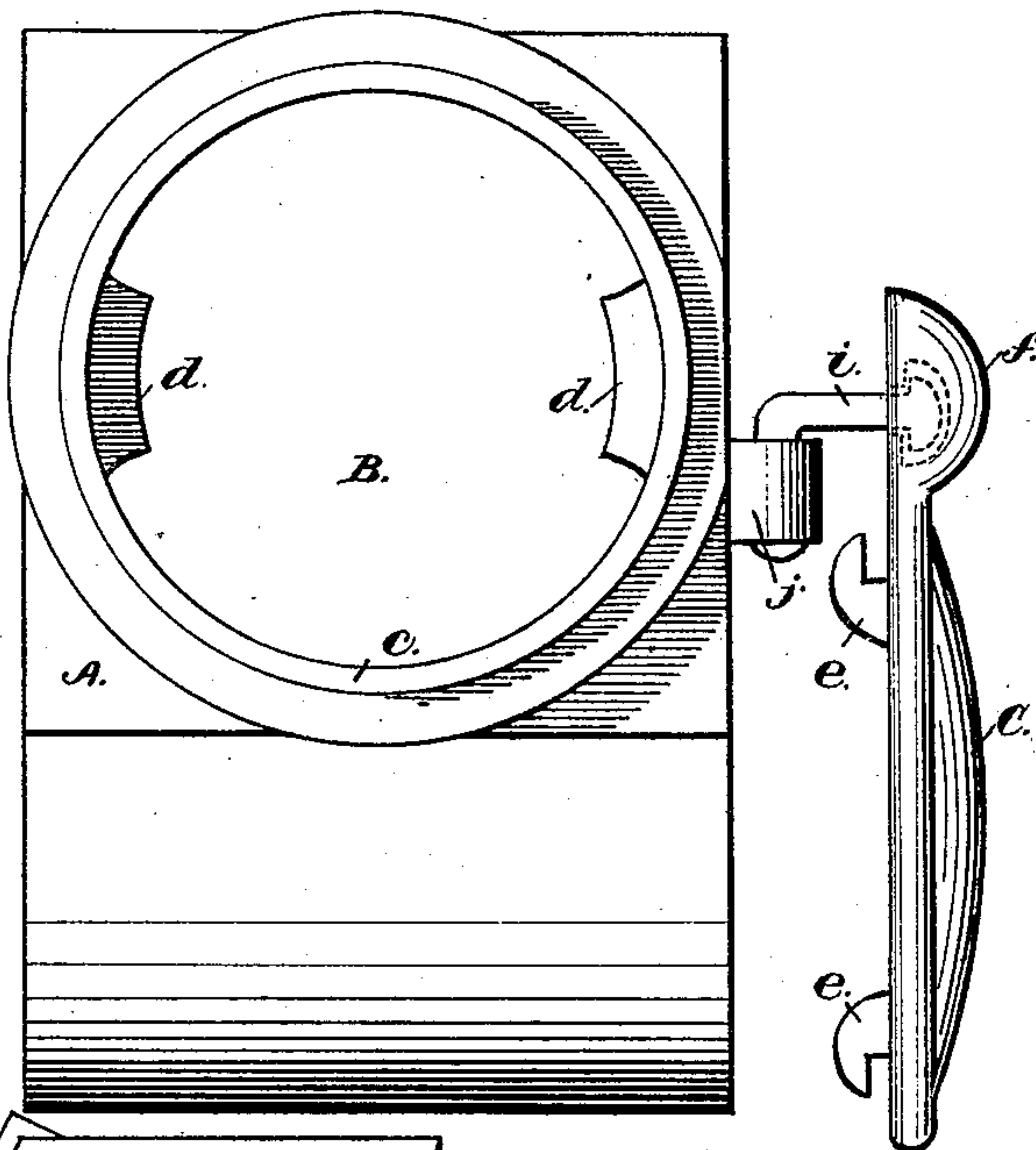
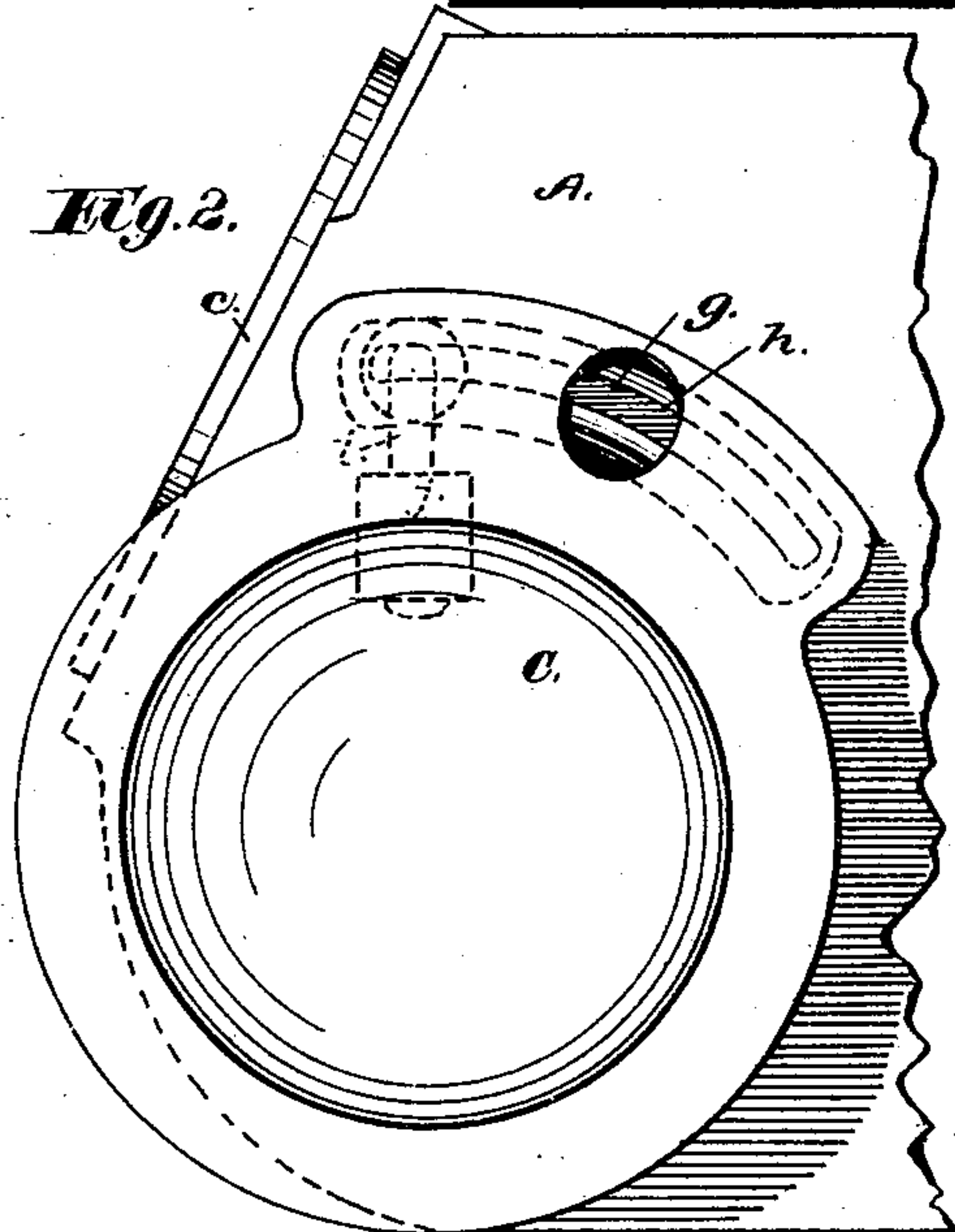


Fig. 2.



Witnesses;
Chas. M. Peck
McGlellan Seiler

Inventor;
Albert R. Tiffany
by Peck & Ritchie
his Attys;

UNITED STATES PATENT OFFICE.

ALBERT R. TIFFANY, OF DAYTON, OHIO, ASSIGNOR OF ONE-HALF OF HIS
RIGHT TO JOHN J. LELAND, OF SAME PLACE.

CAR-AXLE-BOX COVER.

SPECIFICATION forming part of Letters Patent No. 226,463, dated April 13, 1880.

Application filed September 10, 1879.

To all whom it may concern:

Be it known that I, ALBERT R. TIFFANY, of Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Covers for Car-Axle Boxes; and I do hereby declare the following to be a full, clear, and exact description of the same.

This invention is an improvement upon my former patent of January 21, 1879, No. 211,533, and relates particularly to that class of car-axle boxes which have swinging screw-covers.

The novelty of the present invention consists in attaching the cover to a swinging pivoted bolt, whereby when the cover is unfastened it may be swung upon and around, so as to hang parallel to the side of the box entirely out of the way, and whereby the liability of its being knocked off or broken is entirely avoided, all as will be herewith set forth and specifically claimed.

In the accompanying drawings, Figure 1 is a front elevation of my improved device, representing the cover swung open to give access to the box. Fig. 2 is a side elevation of the same.

The box A is of the ordinary or any suitable construction, having a circular opening, B, with a raised flange, c. On each side of the interior of the mouth are the detents d, with inclined or pitched inner surfaces, as in my former patent above referred to.

The cover C is a circular dish-shaped or concavo-convex metal plate, made to fit snugly over the mouth of the box, and having the hooked detents e, which, when the cover is applied to the box, engage with the inclined shoulders d, and form a screw-lock by turning the cover from left to right. To attach the cover to the box so as to prevent its being entirely removed, and thereby becoming lost, I form an extension, f, upon its side integral

with it, and having on its near side a segmental recess or slot, g, as shown by the dotted lines in Fig. 2. By means of an aperture, h, through this segmental extension and recess, I pass a right angular or curved headed bolt, i, whose head is too large to go entirely through the slot in the rear face, but which is small enough to fit snugly in the recess and travel therein. The end of this bolt is passed through a bracket, j, upon the side of the box, and has the lower end riveted, so as to prevent its withdrawal, but not tight enough to prevent its turning in said bracket as an axis.

When the cover is unscrewed and removed to permit access to the box it can be swung around on the bolt, and will hang down, as shown in Fig. 2, so as not to project beyond the front of the box, and will thus be out of the way and be prevented from being broken off.

An essential feature of this improvement also consists in inclosing the head of the bolt, so as to not be exposed to any blows which might break it off.

What I claim as new is—

1. The combination, with an axle-box, of a cover permanently attached to said box by a curved or angular pivoted bolt, whereby, when said cover is removed from the box-opening, it can be swung around and will hang parallel and close to the side of the box, as and for the purpose specified.

2. The combination, with an axle-box, of a cover pivoted and hung to said box by a bolt or stud whose head is recessed and protected by said cover, as and for the purpose specified.

Witness my hand this 19th day of August, A. D. 1879.

ALBERT R. TIFFANY.

Witnesses:

CHAS. M. PECK,
J. J. LELAND.