

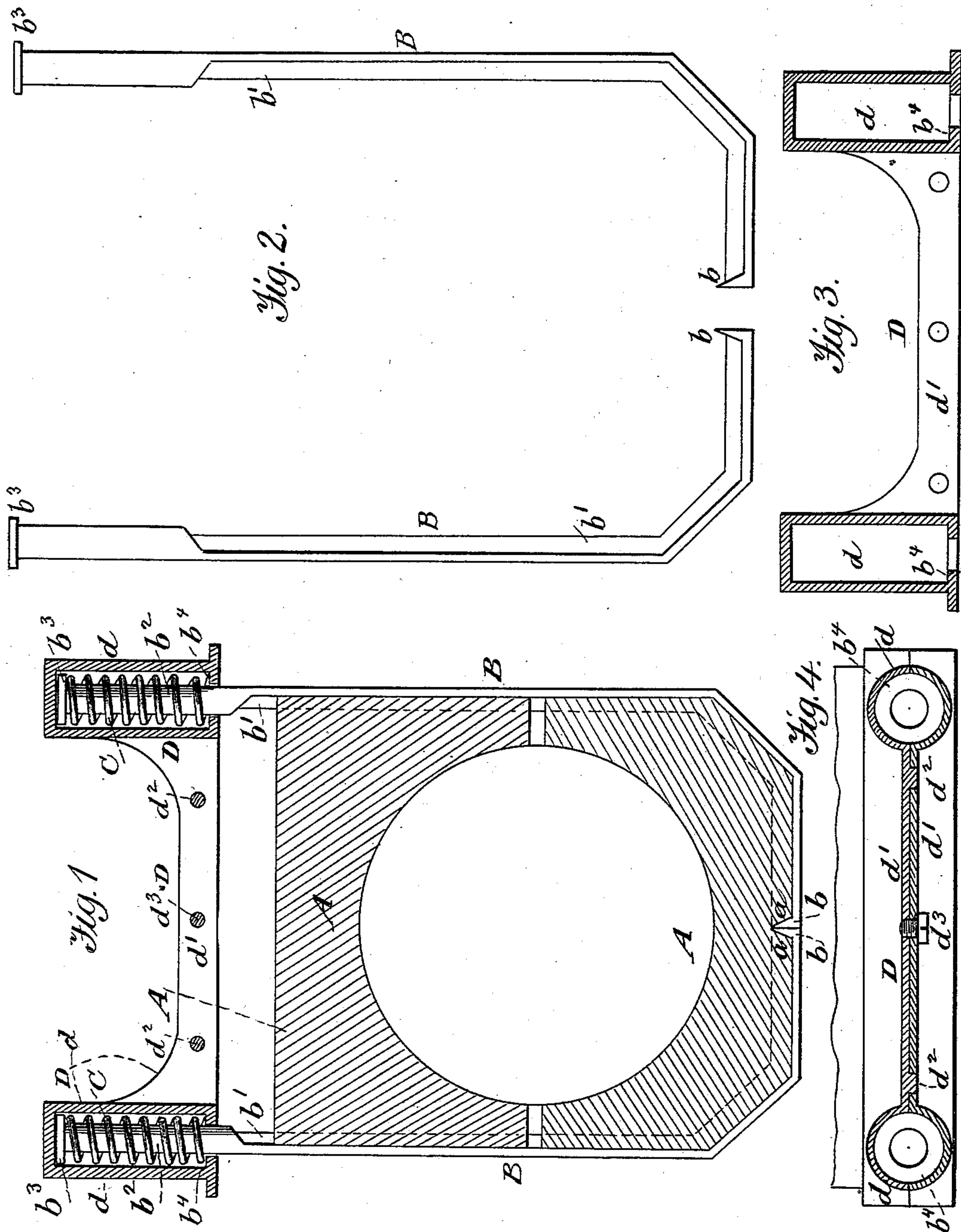
(No Model.)

P. SWEENEY.

DUST GUARD FOR CAR AXLE BOXES.

No. 379,524.

Patented Mar. 13, 1888.



Witnesses.  
A. Ruppert,  
D. Rhodes,

Inventor.  
Peter Sweeney,  
Per  
Thomas P. Simpson,  
att'y.

# UNITED STATES PATENT OFFICE.

PETER SWEENEY, OF NEW YORK, N. Y.

## DUST-GUARD FOR CAR-AXLE BOXES.

SPECIFICATION forming part of Letters Patent No. 379,524, dated March 13, 1888.

Application filed July 14, 1887. Serial No. 244,288. (No model.)

*To all whom it may concern:*

Be it known that I, PETER SWEENEY, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Dust-Guards for Cars; 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 and figures of reference marked thereon, which form a part of this specification.

The special object of the invention is to make a dust-guard for the journals of car-axles, so that it will hug the lower side of the journal, take up wear automatically, and be easily replaced.

Figure 1 of the drawings is a vertical section of my dust guard; Fig. 2, a detail view in front elevation of the two parts of the stirrup; Fig. 3, a detail in elevation of one of the parts of the cap for the springs, and Fig. 4 is a horizontal section of Fig. 3.

In the drawings, A represents the guard divided on a horizontal diametrical line into two equal and similar parts, so as to nearly but not quite close around the car-axle journal, the same being made of wood, which is cheap and easily replaced. At the middle of the bottom of the lower section I make the notch or excision *a*, in which fits the upwardly-projecting studs *b b* of the two-part stirrup B. Each part of the stirrup is provided with a rabbet, *b'*, to receive the guard and a rounded top, *b<sup>2</sup>*, with a head, *b<sup>3</sup>*, for the spiral spring C. Over the rounded tops and springs C, I use the cap D, which is made of two similar parts with the end boxes, *d d*, and connecting-plates *d' d'*. The two boxes being fitted over the springs, as shown in the drawings, the plates are con-

joined by the studs *d<sup>2</sup> d<sup>2</sup>* and clamped together by the binding-screw *d<sup>3</sup>*, the said springs having been slipped over the stirrup projections *b<sup>2</sup>* and then carried up to the heads *b<sup>3</sup>*. The upward tension of the springs C C raises the stirrup B, so as to make the guard yieldingly hug the lower part of the journal and automatically take up wear, while either half of the guard may be quickly detached and replaced when necessary.

It will be observed that one of the ends of the springs C rests against the head *b<sup>3</sup>*, while the other is supported on the cap-shelf *b<sup>4</sup>*.

In practice my dust-guard is found to be very efficient, not expensive, easily attached or removed, and requiring little attention to keep it in working order.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

1. A car-axle dust-guard having the upper and lower section hung in the same stirrup, the latter being pulled upward by a spring, and thus causing the lower section only to hug the axle-journal, as described, and for the purpose specified.

2. The stirrup made in two parts, each having a bottom stud, *b<sup>2</sup>*, a rabbet, *b'*, and a rounded top with head *b<sup>3</sup>*, whereby it may be used, as described.

3. The combination, with the two-part stirrup having heads *b<sup>3</sup> b<sup>3</sup>* and the spiral springs C C, of the two-part cap D D', having the shelf *b<sup>4</sup>*, whereby the springs may be readily inserted and protected, as specified.

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

PETER SWEENEY.

Witnesses:

F. C. LEUBUSCHER,  
WM. ANDERSON.