# A. OVERBAGH.

## Axle-Boxes.

No. 155,747. Patented Oct. 6, 1874.

*Fig 1.*

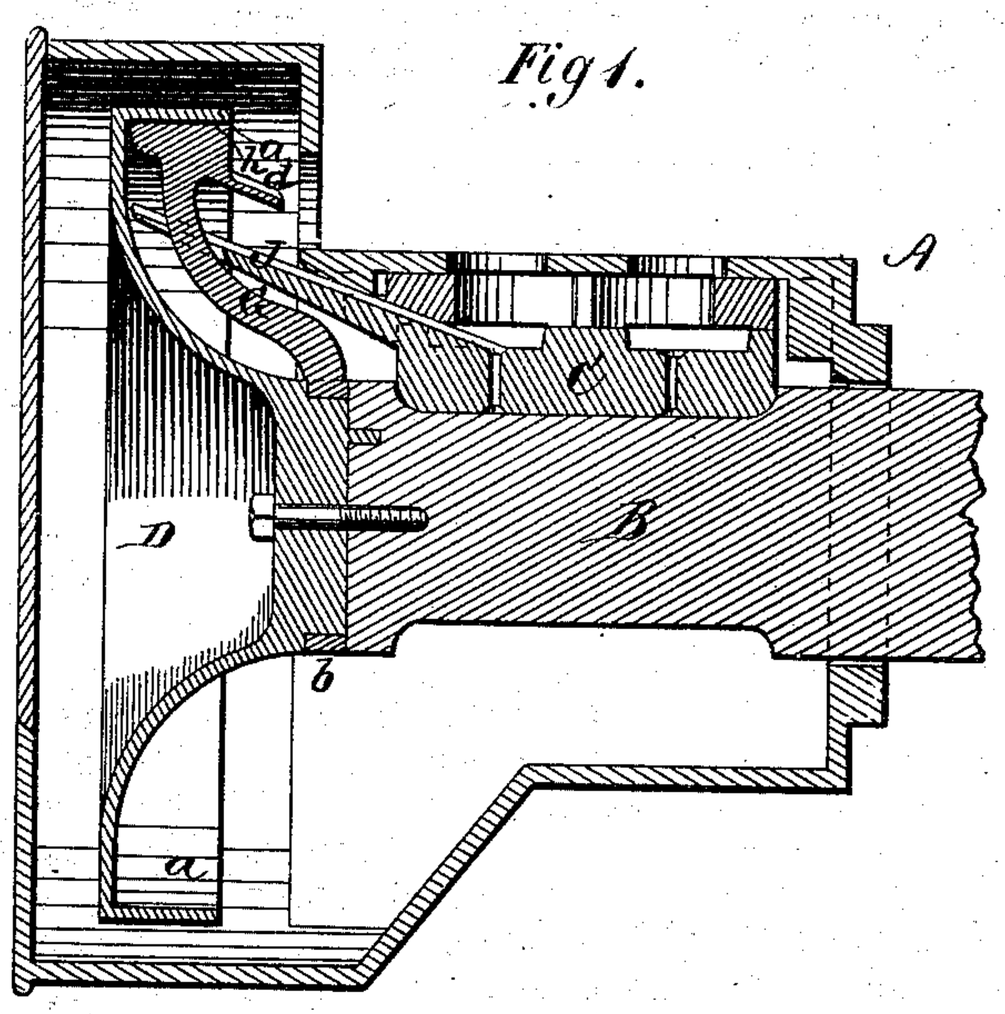
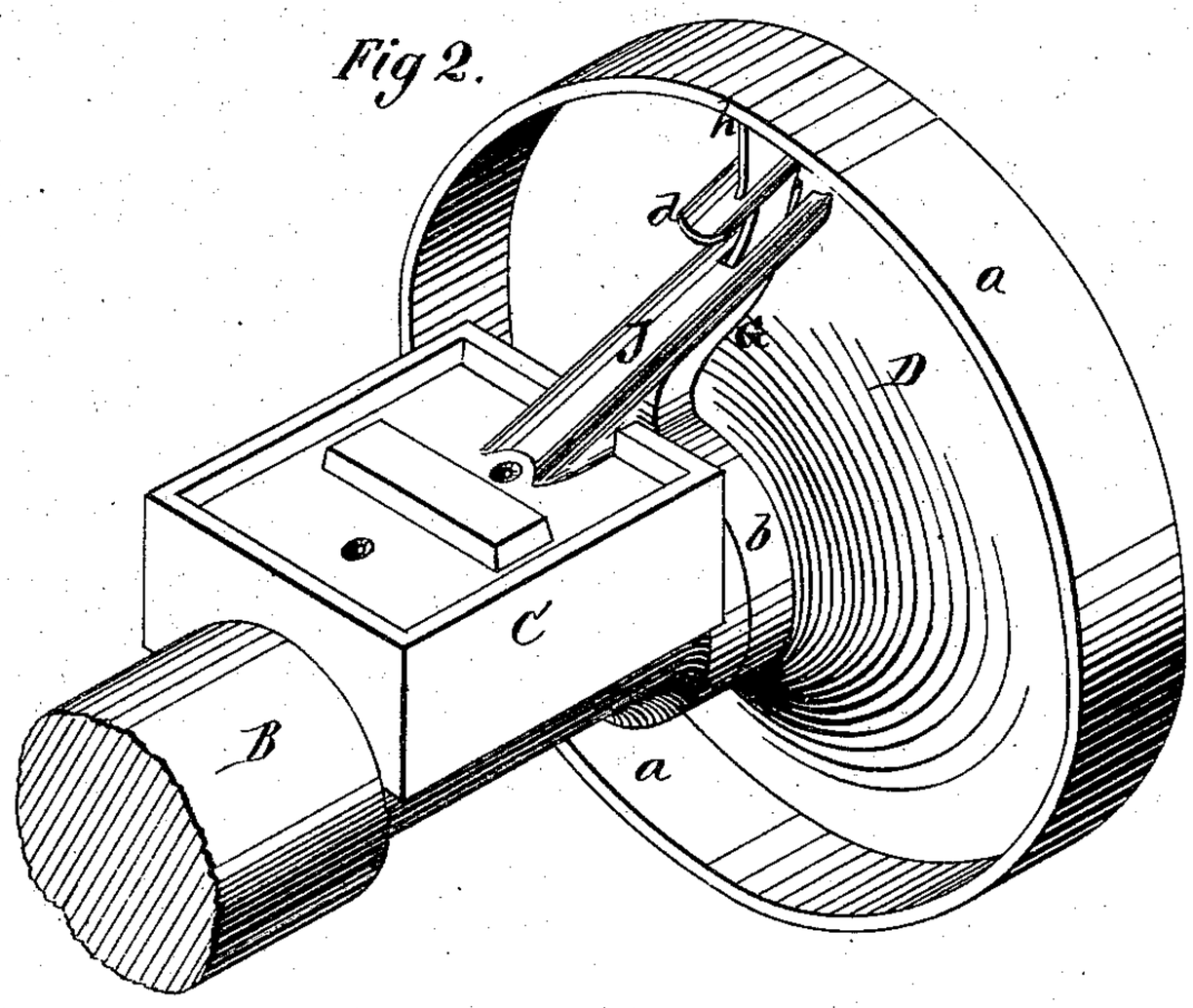



*Fig 2.*




WITNESSES.
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# UNITED STATES PATENT OFFICE.

ADDISON OVERBAGH, OF SCHOHARIE, NEW YORK.

## IMPROVEMENT IN AXLE-BOXES.

Specification forming part of Letters Patent No. **155,747**, dated October 6, 1874; application filed May 5, 1874.

*To all whom it may concern:*

Be it known that I, ADDISON OVERBAGH, of Schoharie, in the county of Schoharie and in the State of New York, have invented certain new and useful Improvements in Lubricating Car-Journals; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

My invention relates to car-axle journal-boxes in which a disk or wheel provided with an inwardly-projecting circumferential rim is attached to and revolved with the car-axle; and the nature of my invention consists in combining with such axle and wheel or disk, and the usual bearing-block on top of the journal, a collar, placed loosely around the hub of the wheel, and provided with an arm having a scraper and spout attached to it, and a gutter-shaped arm attached to the bearing-block, which arm is forked at its outer end to straddle the collar-arm, all as 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 longitudinal vertical section of a car-axle and journal-box embodying my invention. Fig. 2 is a perspective view of the interior parts of the journal-box.

A represents the journal-box of the car-axle B, and C is the bearing-block on top of the axle. These parts may be all constructed in the ordinary manner. On the end of the axle B is secured a wheel, D, around the circumference of which is a rim, *a*, extending inward, as shown. Around the hub of the wheel D is placed a loose collar, *b*, from which a curved arm, G, extends inward and against the inner side of the rim *a*, the extreme end of said arm being formed with a scraper, *h*. Upon the arm G, a short distance below the scraper, is attached a short spout, *d*, as shown. From at or near the outer end of the bearing-block C extends an arm, J, outward and upward, the outer end of said arm being forked, and straddling the curved arm G below the spout *d*. The upper side of the arm J is concave or grooved longitudinally, forming a gutter.

As the axle B revolves the wheel D revolves with it, being permanently attached thereto; and the curved arm G with its scraper is held stationary by the arm J attached to the bearing-block C. The rim *a* of the wheel D carries the oil up with it, and the scraper *h* takes it off from the rim, and causes it to pass to the spout *d*, and from thence along the gutter-shaped arm J to the top of the bearing-block C, and through the usual apertures in the same to the journal, and back into the bottom of the box.

The scraper *h* may be either formed on the end of the arm G, as already mentioned, or it may be attached thereto in such a manner as to be adjustable, so as to be moved outward as it wears.

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

The combination, with the axle B, wheel D, having rim *a*, and the bearing-block C, of the collar *b*, arm G, scraper *h*, spout *d*, and forked gutter-shaped arm J, all constructed substantially as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of April, 1874.

ADDISON OVERBAGH.

Witnesses:
A. N. MARR,
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