

J. B. BOONE.

LUBRICANT PACKING FOR AXLE-BOXES.

No. 175,018.

Patented March 21, 1876.

Fig. 1.

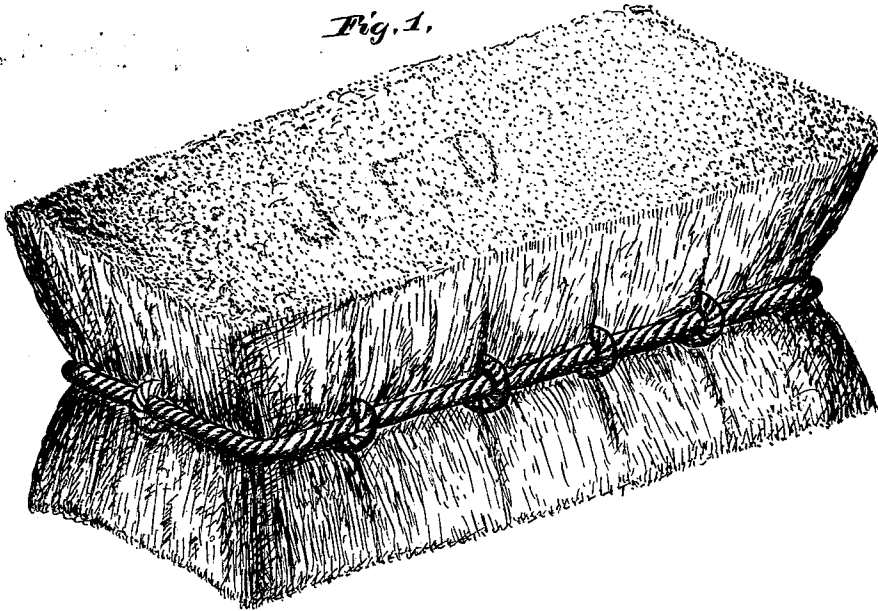
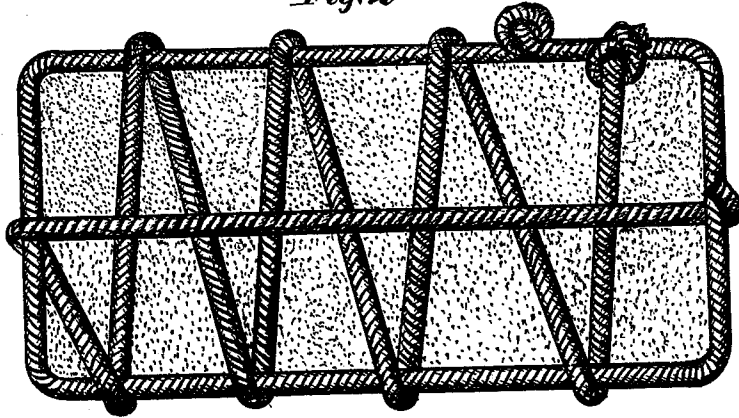


Fig. 2



WITNESSES:

Jas. J. Duhamel.

H. B. Brown

INVENTOR:

James B. Boone.
PER

H. J. Abbott.

ATTORNEY

UNITED STATES PATENT OFFICE.

JAMES B. BOONE, OF ATCHISON, KANSAS.

IMPROVEMENT IN LUBRICANT-PACKINGS FOR AXLE-BOXES.

Specification forming part of Letters Patent No. **175,018**, dated March 21, 1876; application filed February 15, 1876.

To all whom it may concern:

Be it known that I, JAMES B. BOONE, of Atchison, in the county of Atchison and State of Kansas, have invented certain new and useful Improvements in Lubricant-Packing for Axle-Boxes, of which the following specification:

The object of this invention is to provide a convenient, cheap, and efficient packing for the axle-boxes of railroad-car axles, or for such other axles or shaft-journals as necessarily revolve at high speeds.

The said invention, therefore, consists of manila grass, whose fibers are cut to convenient lengths, and made up into bundles of convenient size for packing into the boxes surrounding the axles. The fibers are so bundled that they shall stand on end in the bundles, and the bundle or bundles can be bent around, or partially around, the axles, presenting their cut ends to the surface of the axles.

By this arrangement of bundle and fiber, only a small quantity of lubricating material is required in the axle-box; and the said material, whether of the consistency of oil or tallow, will be readily and regularly fed through the fibers of the manila by capillary action, thus excluding all gritty matter from the axle, and keeping it more regularly and efficiently

lubricated than can be the case by the use of rags and irregularly-packed long fibers or ropes of cotton, woolen, and other material commonly employed for such purpose.

The accompanying drawing, forming part of this specification, shows the method of bundling the manila fiber. Figure 1 is a perspective view of a bundle, showing the cords with which it is bound; and Fig. 2 is a plan or section, showing the crossing of the cords, binding the fibers into a compact bundle.

. These bundles form an ever-ready and convenient portable article for the purpose intended, a supply of which can always be kept in store, ready for immediate use.

Having thus fully described this lubricant-packing, as of my invention, I claim—

As an article of manufacture, manila fiber, bundled in packages, having the ends of the fibers exposed, the said packages or bundles forming a lubricant-packing for axle-boxes, substantially as hereinbefore set forth.

In testimony that I claim the foregoing as my own I affix my signature in the presence of two witnesses.

JAMES B. BOONE.

Witnesses:

AARON S. EVEREST,
GILES E. SCOVILLE.