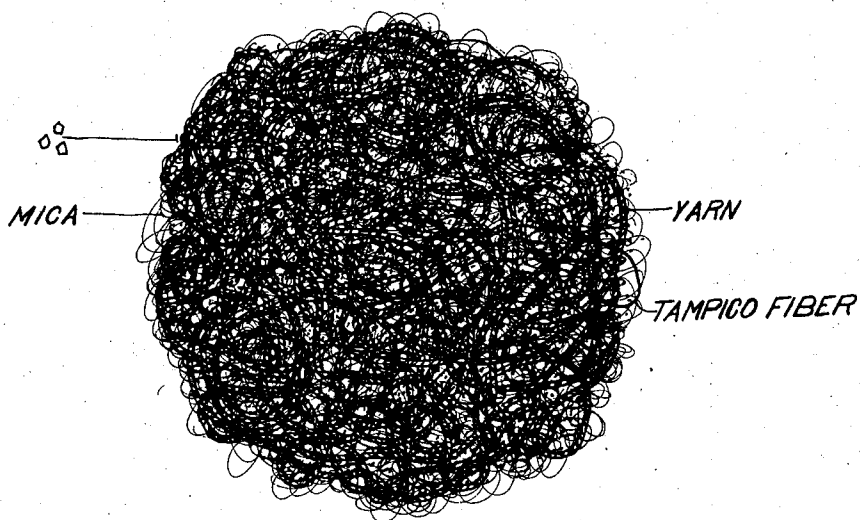


C. C. HOWE.
CAR AXLE JOURNAL BOX PACKING.
APPLICATION FILED DEC. 3, 1909.

997,501.

Patented July 11, 1911.



WITNESSES:

C. C. Howe
A. S. Kuyper

Charles C. Howe,
INVENTOR

UNITED STATES PATENT OFFICE

CHARLES C. HOWE, OF WYOMING, RHODE ISLAND.

CAR-AXLE-JOURNAL-BOX PACKING.

997,501.

Specification of Letters Patent. Patented July 11, 1911.

Application filed December 3, 1909. Serial No. 531,272.

To all whom it may concern:

Be it known that I, CHARLES C. HOWE, a citizen of the United States, residing at Wyoming, in the county of Washington and State of Rhode Island, have invented a new and useful Improvement in Car-Axle-Journal-Box Packing, of which the following is a specification.

My invention relates to a fibrous lubricating and anti-friction packing for car journals: its specific object is to produce a packing which is elastic, and possesses lubricating and anti-friction qualities peculiar to itself. This I accomplish by a packing consisting of strands of woolen yarn thoroughly coated or filled with finely prepared flakes of mica; the mica being preferably mixed with the woolen stock before it is spun into yarn, to insure a thorough incorporation of the wool and mica. This mica charged yarn is mixed with an elastic material such as Tampico fiber, to give it resiliency, and keep the oil saturated yarn in contact with the journal.

In the accompanying drawing which exemplifies the packing, the strands of yarn are shown at 9, with the Tampico fibers at 10.

It is impossible to represent in a line drawing, the fine flakes of mica with which the yarn is charged.

It is now universally conceded that for lubricating the present type of car journal, oil saturated woolen yarn is the most reliable. By combining and mixing finely prepared mica flakes with the woolen yarns, the lubricating qualities of the packing are greatly increased; the fiber mixed packing being held in constant contact with the journal, on to which the fine flakes of mica are continually being fed with the oil from the yarn. These mica flakes will fill any inequalities on the bearings, and create a surface smooth as glass; thus obviating all friction and heat resulting therefrom.

The enduring qualities of mica are several times greater than oil or grease, and it is not affected by changes of temperature.

I claim:

The herein described combination of mica charged woolen yarn, intermingled with Tampico fiber, substantially as described.

CHARLES C. HOWE.

Witnesses:

S. M. FENNER,
GEO. H. OLNEY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."