

United States Patent Office.

JOSEPH CORDUAN OF BROOKLYN, NEW YORK.

Letters Patent No. 76,165, dated March 31, 1868.

IMPROVED LUBRICATING-COMPOSITION.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOSEPH CORDUAN, of the city of Brooklyn, in the county of Kings, and State of New York, have invented certain new and useful Improvements in Lubricators for Journal-Bearings; and do hereby declare the following to be a full, clear, and exact description thereof.

My improvements relate to compositions which will be less affected by heat, and better lubricators than any heretofore used. Paper-pulp and things of that class have been employed for this purpose, but they are objectionable, because more easily affected by heat than the principal substance I propose adopting.

Asbestos, which is my principal substance, is a poor conductor of heat, and tends, when mixed with a glutinous material, such as glue, to act as a good lubricator, and with the addition of plumbago, or other known lubricating-substances, I get even better results. When mixed with plumbago, I prefer the following proportions, viz, two parts of asbestos to one of plumbago, with sufficient glutinous material to form a solid but pliable mass. Still these proportions can be varied, and yet have an excellent lubricator. The mass, whether of asbestos and the glutinous material alone, or combined with the plumbago, can be made either in a pulp or solid form, as the construction of the bearing where it is to be used may require. For instance, in an axle-box upon a car, it might be more economical and serviceable by forming it into sheets or pieces, the width and length of the slide, bearing, or recess in which it is to be inserted, being fastened therein according to usual and well-known means. Again, it might be placed in a pulp-form round about the journal. This pulp-form is probably more economical in cases of shafting, and with the ordinary construction of machinery.

What I claim as new, and desire to secure by Letters Patent, is—

1. The use of asbestos, substantially as and for the purpose described; and
2. The use of asbestos in combination with plumbago or other known lubricating-substances, being mixed with a glutinous material, substantially as and for the purpose described.

JOSEPH CORDUAN.

Witnesses:

EDWARD LYON, Jr.,
JOHN McINTYRE.