

# UNITED STATES PATENT OFFICE.

THOMAS W. KIRKPATRICK, OF ATLANTA, GEORGIA.

## LUBRICATING COMPOUND.

SPECIFICATION forming part of Letters Patent No. 652,393, dated June 26, 1900.

Application filed March 28, 1899. Serial No. 710,786. (No specimens.)

*To all whom it may concern:*

Be it known that I, THOMAS W. KIRKPATRICK, a citizen of the United States, residing at Atlanta, in the county of Fulton, State of Georgia, have invented certain new and useful Improvements in Lubricating Compounds; and I do hereby 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.

My invention relates to that class of compounds known as "lubricants," and is of such a nature that by slightly varying the ingredients thereof a lubricant of a more liquid or consistent state or a heavier or lighter nature may be produced to meet the various requirements of lubricants for different purposes.

The object of my invention is especially to meet the requirements for railroad-journals, as well as for heavy machinery; but it will be seen by those skilled in lubricants that by slightly varying the proportions of the compound it is excellently adapted to lighter machinery, both as a cooler and lubricant to journals.

In preparing my improved compound I mix intimately six gallons of "black oil," as commonly known to the trade, half a gallon of rosin, five gallons of lime-water, (one and a half gallons of lime to produce,) one gallon of melted tallow, six pounds of talc, two and a half pounds of plumbago, six pounds of Spanish whiting, and about one quart of spirits of niter to the one hundred pounds of the compound.

By varying the proportions of lime, talc, and black oil I am enabled to render the compound more or less liquid to adapt it to various purposes in lubricating, and the whole is found upon practical tests to form a lubricant that is cooling to hot bearings, as well as a preventive against heating, and at the same time presents a cleanly lasting article that meets the wants in that line. This black oil used by me is unrefined petroleum, while the Spanish whiting is prepared chalk that has been washed or dripped, and thus absolutely freed of all grit and foreign matter.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. A lubricating compound composed of black oil, rosin, lime-water, tallow, talc, plumbago, Spanish whiting, and spirits of niter, as and for the purpose set forth.

2. A lubricating compound consisting of the following ingredients in the following proportions: black oil, six gallons; rosin, half gallon; lime-water, five gallons from one and one-half gallons of slaked lime; melted tallow, one gallon; talc, six pounds; Spanish whiting six pounds; and spirits of niter, about one quart to the one hundred pounds.

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

THOMAS W. KIRKPATRICK.

Witnesses:

M. FOOTE, Jr.,  
J. S. SLICER.