

# United States Patent Office.

JOHN A. KESTLER, OF CHICAGO, ILLINOIS.

*Letters Patent No. 81,093, dated August 18, 1868.*

## IMPROVED LUBRICATING-OIL.

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, JOHN A. KESTLER, of the city of Chicago, in the county of Cook, and State of Illinois, have invented a certain new Composition for or Mode of Preparing Lubricating-Oils; and I do hereby declare that the following is a full, clear, and exact description of the mode of preparing such composition.

The nature of my invention or discovery consists in preparing a lubricating-oil from the residuum from the distillation of coal-oil or from crude petroleum, which will have a good wearing body, with sufficient fluidity to make it applicable to machinery and axles.

To enable others skilled in the art to manufacture my improved lubricating-oil, I will now describe the process of making it.

To ten gallons of the article known as residuum, or of crude petroleum, the same having first been heated to nearly the boiling-point, I add one-half of one pound of saleratus or sal-soda, or one-fourth of one pound each, which I prefer, and also one-fourth of one pound of brimstone. I then boil the whole about five minutes, thoroughly mixing the several articles, after which the composition is placed in a suitable tank to cool, when all refuse goes to the bottom, and the lubricating-oil can then be drawn off or strained. After it has been drawn off or strained, I add one-half of one gallon of kerosene.

The sal-soda and saleratus have the effect of separating the tar from the oil; the brimstone is used to prevent the oil from heating when used; the kerosene or distilled coal-oil keeps my composition fluid in cold weather.

Good lubricating-oil can be made, although the proportions of the articles used be somewhat varied from those given.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—  
The oil composed of the ingredients, and manufactured as herein described.

JOHN A. KESTLER.

Witnesses:

L. L. BOND,  
E. A. WEST.