

UNITED STATES PATENT OFFICE

ISAAC C. KNOWLES, OF ROCHESTER, NEW YORK.

IMPROVEMENT IN LUBRICATING COMPOUNDS.

Specification forming part of Letters Patent No. **176,011**, dated April 11, 1876; application filed February 3, 1876.

To all whom it may concern:

Be it known that I, ISAAC C. KNOWLES, of the city of Rochester, in the county of Monroe and State of New York, have invented a new and useful Improvement in Lubricating Compounds, which is fully set forth in the following specification.

This invention relates to that class of compounds used in lubricating all kinds of rotating or sliding machinery; and it consists in a composition of various ingredients, among which are the following, which, with their proportions, will now be described.

To prepare the compound for use:

First—

Take pulverized hydrochlorate	
of ammonia.....	26 parts
Nitrate potash.....	40 “
Lime-water.....	445 “

511

and make them into a solution.

Second—

Lard-oil	447 parts
Soft water	27 “
Cyanide potash.....	2 “
Nitrate silver.....	1 “
Spanish whiting.....	12 “

447

42

1000

Mix the same and set it aside to settle; then pour off the top till it runs turbid; then take the two compounds, as above, and pour them into one vessel, and agitate briskly until thoroughly mixed, when a complete admixture is accomplished, holding all the weightier ingredients fully in suspension.

The compound is now ready for use; but to preserve it from deterioration it must be kept in hermetically-sealed vessels.

This compound, although specially designed for a lubricant, is adapted as a liniment for man and horse.

Having described my improvement in lubricating compounds, what I claim as my invention and discovery is—

1. The herein-described lubricating compound, consisting of hydrochlorate ammonia, cyanide potash, Spanish whiting, lime-water, nitrate potash, lard-oil, nitrate silver, and soft water, in proportions substantially as described.

2. The process of manufacturing the lubricating compound from lard-oil, hydrochlorate ammonia, cyanide potash, lime-water, nitrate silver, Spanish whiting, nitrate potash, and soft water, substantially as herein described.

In testimony whereof I have hereunto set my hand this 29th day of January, A. D. 1876.

ISAAC C. KNOWLES.

Witnesses:

A. C. PARSONS,
FRANK KINGSLEY.