

UNITED STATES PATENT OFFICE.

FRANCIS T. ALLYN, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND
JAMES A. RICH, OF SAME PLACE.

IMPROVED LUBRICATING COMPOUND.

Specification forming part of Letters Patent No. **71,356**, dated November 26, 1867.

To all whom it may concern:

Be it known that I, F. T. ALLYN, of the city, county, and State of New York, have invented a new and Improved Lubricating Compound; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same.

This invention relates to a new lubricating compound which is made with a view to increase the efficiency of the material and to reduce its expense.

The composition is composed of the following ingredients, compounded in about the proportions set forth: forty-eight (48) parts lime, two (2) parts sal-soda, four (4) parts soapstone, eight (8) parts soft soap, six hundred and eighty (680) parts water, and seven hundred (700) parts oil of any suitable kind.

The lime is added to increase the adhesive qualities of the material. The object of the sal-soda is to cool the journals. The soapstone is to give body and at the same time reduce friction. The soft soap is to prevent the mix-

ture from becoming gummy and to keep it soft and greasy. It may be done away with, if desired, but is advantageously retained, as most oils will become gummy after a short use, and the quality of the oil does consequently determine whether or not the soap is to be used. The water will be mixed with the first-named ingredients, and will combine with the soda, soapstone, and soap in such a manner that it may be mixed with the oil, thereby not only considerably reducing the expense of the compound, as so much less oil is used, but also improving the quality and fluidity of the composition.

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

A lubricating compound consisting of the ingredients in about the proportions set forth.

The above specification of my invention signed by me this 23d day of October, 1867.

FRANCIS T. ALLYN.

Witnesses:

ALEX. F. ROBERTS,
J. W. B. COVINGTON.