

UNITED STATES PATENT OFFICE.

CATHARINE FINK, OF BALTIMORE, MARYLAND.

LUBRICATING COMPOUND.

SPECIFICATION forming part of Letters Patent No. 335,443, dated February 2, 1886.

Application filed November 28, 1885. Serial No. 184,193. (No specimens.)

To all whom it may concern:

Be it known that I, CATHARINE FINK, a citizen of the United States, residing at Baltimore, county of Baltimore and State of Maryland, have invented certain new and useful Improvements in Lubricating Compounds, of which the following is a specification.

My invention relates to improvements in lubricating compounds, and has for its objects to cheapen the cost of such lubricants, and at the same time increase the lubricating properties of the oils used in the compound.

My invention consists in mixing with animal, vegetable, or mineral oils a composition composed of lime-water, French chalk, muriate of ammonia, carbonate of ammonia, bicarbonate of potash, borate of soda, and sulphur, as will more fully appear.

In carrying out my invention I take twenty to twenty-five pounds of unslaked lime and put it into a barrel or other suitable vessel, and pour over the same one bucket of hot water. After the lime has become slaked I fill the barrel with cold soft water and stir the same well, after which I allow it to settle for a few hours. After the lime has settled, the clear water is drawn off and mixed with the following ingredients: to forty-two gallons of lime-water I add ten pounds French chalk, four ounces muriate of ammonia, four ounces of carbonate of ammonia, two ounces carbonate of potash, two ounces borate of soda, and ten pounds sulphur, all of which are intimately mixed so as to form a homogeneous mass or compound.

To make two barrels of lubricating-oil, I take animal, vegetable, or mineral oils of any

kind and add thereto an equal amount, gallon for gallon, of the compound above mentioned, which is intimately mixed or incorporated, when the same is ready for use. If crude petroleum is used, I take gallon for gallon of the mixture and the crude petroleum, and add thereto for one barrel of forty gallons two gallons of lard-oil or any other suitable animal oil.

I do not confine myself to any precise proportions, as they may be varied to suit the oil with which it is mixed, or to meet the requirements of the climate in which the lubricant is to be used.

Having thus described my invention, what I claim is—

1. A lubricating compound composed of animal, vegetable, or mineral oil, mixed with compound such as described, and in essentially the proportions set forth.

2. A lubricating compound composed of crude petroleum-oil and lard-oil combined with the mixture herein described, and in the proportions set forth.

3. The mixture herein described for lubricating purposes, consisting of oil and a compound of lime-water, French chalk, muriate of ammonia, carbonate of ammonia, carbonate of potash, borate of soda, and sulphur, as set forth.

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

CATHARINE FINK.

Witnesses:

L. W. SINSABAUGH,
W. H. EDGAR.