

UNITED STATES PATENT OFFICE.

DYSON DEARBON WASS, OF NEW YORK, N. Y.

LUBRICATING COMPOUND.

SPECIFICATION forming part of Letters Patent No. 316,703, dated April 28, 1885.

Application filed January 7, 1884. Renewed October 24, 1884. (No specimens.)

To all whom it may concern:

Be it known that I, DYSON D. WASS, of the city, county, and State of New York, have invented a new and Improved Lubricating Compound, of which the following is a full, clear, and exact description.

My invention relates to an improved lubricating compound; and the invention consists in a lubricating compound composed of paraffine, mineral oil, and talc, as will be hereinafter fully described and claimed.

It has been common heretofore to form lubricating compounds of talc and vegetable and mineral-oils; also of talc and crude forms of petroleum-oil containing gummy matters or other impurities which are taken up, absorbed, and carried into the engine-cylinder or spread or deposited upon the condenser-tubes, impairing and preventing the proper action of the same.

My improved compound is made of ingredients that contain no gummy matters or other impurities, and in its use the condenser-tubes, journals, and other bearings of the steam engine and boiler always remain bright and clean.

The employment of paraffine in lubricating compounds in connection with talc and mineral oil I believe to be new. The paraffine is a highly-purified substance derived from the distillation of oils from coal and carbonaceous matters—such as petroleum, which is subjected to a series of treatments with sulphuric acid, steam at a low temperature, naphtha, and hydraulic pressure in order to bring about the separation of the paraffine.

In carrying out my invention I prepare my improved lubricating compound in the following manner: I take one pound of paraffine and reduce it to liquid form by melting, and then I stir into the paraffine one pound of any

suitable mineral oil. I then add to the mixture and stir in a one-hundreth part of a pound of alcohol. I allow the mixture to cool slightly until it assumes the consistency of a paste, and while in this condition I stir into it one-twentieth part of one pound of pulverized talc and continue the stirring until the ingredients are thoroughly mixed. The lubricating compound thus formed is then allowed to cool and solidify, and is then cut or divided into suitable blocks or pieces or made into balls, when it is ready for use.

My compound may be made with or without the alcohol; but in general I prefer to use the alcohol, as it seems to have the effect of quickening the formation of the ingredients into a homogeneous mass, and I deem its use to be very advantageous in my compound.

The compound thus formed is an improvement over those before mentioned in which talc is used in connection with crude forms of petroleum, grease, spermaceti, and other vegetable, mineral, and animal oils, as it is much cleaner and does not gum up the parts of machinery on which it is used.

I do not claim, broadly, the use of talc in connection with crude forms of petroleum or mineral, vegetable, or animal oils.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A lubricating compound made, as herein described, of paraffine, mineral oil, and talc, in about the proportions set forth.

2. A lubricating compound made, as herein described, of paraffine, mineral oil, talc, and alcohol, in about the proportions set forth.

DYSON DEARBON WASS.

Witnesses:

EDGAR TATE,
LEONARD HANNAF.