

UNITED STATES PATENT OFFICE.

ELI E. HENDRICK, OF NEW YORK, N. Y.

IMPROVED LUBRICATING COMPOSITION FOR MACHINERY.

Specification forming part of Letters Patent No. 35,754, dated July 1, 1862.

To all whom it may concern:

Be it known that I, ELI E. HENDRICK, of New York, in the State of New York, have invented a new and useful lubricating compound for the purpose of lubricating the bearings or journals of machinery; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying specimens and the letters of reference marked thereon.

To enable others skilled in the art to make and use my invention, I will proceed to describe its composition and the manner of compounding the same.

I dissolve one ounce (more or less) of caoutchouc (see specimen marked D) in one gallon of the substance known as "coal-oil," "rock-oil," also as "petroleum," either crude or refined, manufactured or natural. (See specimen marked E.) I then add to this solution (see specimen marked F) an equal quantity of water. (See specimen marked G.) I violently agitate the whole by stirring, shaking, or otherwise until a union of the ingredients takes place, forming a mucilaginous compound. (See specimen marked H.) The compound is then ready for use for the purpose of lubricating the bearings or journals of machinery in like manner and proportion as other oil.

I do not confine myself to dissolving the caoutchouc in the coal-oil used, for the reason

that nearly as good results will be attained by dissolving the caoutchouc in any other solvent of that gum and then mixing such solvent with the coal-oil, the superior lubricating properties of my compound being in a great measure due to the caoutchouc used, and the solvent compound also possessing the peculiar property of causing the oily substance to unite with the water. I therefore describe my invention as consisting in compounding caoutchouc with coal-oil or other substance as a solvent for the caoutchouc, and then mixing such compound with coal-oil and water to constitute the main bulk of the fluid for lubricating the bearings or journals of machinery.

I do not confine myself to any specific amounts of either of the component parts of the compound described, but find those named to answer an excellent purpose.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

The use of a solution of caoutchouc in connection with coal-oil and water, substantially in the manner and for the purpose set forth.

September 6, 1861.

ELI E. HENDRICK.

Witnesses:

J. C. BURGESS,
D. BARTON.