

UNITED STATES PATENT OFFICE.

RAYMOND CLYDE STEWART, OF HUNTINGDON, PENNSYLVANIA, ASSIGNOR
OF ONE-THIRD TO HENRY CLAY CHISOLM, OF SAME PLACE.

LUBRICANT.

SPECIFICATION forming part of Letters Patent No. 594,576, dated November 30, 1897.

Application filed April 21, 1897. Serial No. 633,117. (No specimens.)

To all whom it may concern:

Be it known that I, RAYMOND CLYDE STEWART, a citizen of the United States, residing at Huntingdon, in the county of Huntingdon and State of Pennsylvania, have invented a certain new and useful Composition of Matter, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide a new and useful composition of matter for use as a cooling agent for heated journals, journal-boxes, bearings, and for other and similar purposes, a further object being to provide a compound which when mixed with oil can be used as a lubricant which is especially designed for use in connection with the axles of railway-cars and which, in addition to possessing the qualities of a first-class cooler, also acts as a lubricant for the heated axles or spindles.

My composition consists of the following ingredients, combined in the proportions specified, namely: soap, three pounds; tallow, two pounds; plumbago, one pound; white lead, one-half pound; gum-camphor, three ounces; resin, two ounces, and table-salt, four ounces. These ingredients are compounded by first dissolving the soap by means of water and heat, then dissolving the tallow by means of heat, then dissolving the camphor and resin in the tallow, then adding the melted soap thereto, and then adding the white lead, and after the product has partially cooled the plumbago is added, and lastly the salt, and as these parts are mingled in the manner de-

scribed they are violently agitated by any suitable means.

This composition has been found by experience to be a perfect lubricant when mixed with oil or similar substances, possessing all the qualities of the best articles of this class and also acting as a cooling agent for heated spindles, shafts, journals, journal-boxes, and other bearings, and even when such devices have become heated a thorough application of my composition will act to instantly reduce the temperature to a proper degree.

I am aware that some of the articles specified have been heretofore used for a similar purpose, and I am also aware that all the ingredients specified are well known; but the composition which I employ is new and the results produced by the use thereof far superior to those produced by other compounds or compositions for a similar purpose.

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

The herein-described composition of matter to be used as a cooling agent and lubricant, consisting of soap, tallow, plumbago, white lead, gum-camphor, resin, and table-salt, in the proportions specified.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 12th day of April, 1897.

RAYMOND CLYDE STEWART.

Witnesses:

THOMAS W. MYTON,
LEMUEL H. BEERS.