UNITED STATES PATENT OFFICE.

GEORGE TAYLOR AND ISAAC RAY, OF LONDON, ENGLAND.

LIQUID HYDROCARBON.

SPECIFICATION forming part of Letters Patent No. 663,370, dated December 4, 1900.

Application filed February 6, 1899. Serial No. 704,685. (No specimens.)

To all whom it may concern:

Be it known that we, GEORGE TAYLOR and ISAAC RAY, mechanical engineers, subjects of the Queen of Great Britain, residing at 32 Page's Walk, Bermondsey, London, England, have invented certain new and useful Improvements in Liquid Hydrocarbons, of which the following is a specification.

Our invention relates to the manufacture of liquid hydrocarbons, the object of the same being to provide a hydrocarbon mixture which will serve both for illuminating purposes and for use upon internal-explosion engines.

Our liquid hydrocarbon is formed of the following ingredients and preferably in the following proportions: gasolene of a flash-point 66° Fahrenheit, one gallon; cocoanut-oil, one-half pound; crude petroleum, one-fourth pint. Said ingredients are thoroughly mixed together.

Ordinary oils or combinations of the same cannot be used both for illuminating purposes and as gaseous mixtures for internal-explosion engines without the establishment of an expensive plant, whereas our mixture, while very cheap, is readily brought into gaseous form by a moderate increase in temperature and by the admixture of a proper volume of air. The gas produced from it is not explosive unless mingled with a large portion of air. It is safer, therefore, than the ordinary oil-gas.

We claim—

A liquid hydrocarbon for the manufacture of gas for illuminating and other purposes, consisting of a mixture of gasolene having a flash-point of about 66° Fahrenheit, with cocoanut-oil and crude petroleum in substantially the proportions described.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

GEORGE TAYLOR.
ISAAC RAY.

Witnesses:
GEORGE C. DOWNING,
FRED C. HARRIS.