UNITED STATES PATENT OFFICE

WILLIAM HENRY STEVENS, OF ST. LOUIS, MISSOURI.

SUBSTITUTE FOR GASOLENE.

1,165,462. Specification of Letters Patent. Patented Dec. 28, 1915.

No Drawing. Application filed December 4, 1913. Serial No. 804,591.

To all whom it may concern:

Be it known that I, WILLIAM H. STEVENS, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Substitutes for Gasolene, of which the following is a specification containing a full, clear, and exact description.

My invention relates to an improved substitute for gasolene, and consists in the novel composition of matter hereinafter described and specifically designated in the appended claims.

The object of my invention is to provide an improved substitute for gasolene which will be cheaper than gasolene and yet highly efficient as a fuel for automobile motors and other hydrocarbon engines.

My improved substitute for gasolene consists of a mixture of the following ingredients in about the proportions mentioned: crude oil (petroleum) 1 gallon, gasolene (74° test) 3 pints, ether 2 ounces, oil of citronella (or equivalent perfume) 1 teaspoonful, pulverized alum 1 teaspoonful, all thoroughly mixed.

Crude oil, or crude petroleum, as is well known to those skilled in the art, contains sulfur, wax, pitch, lubricating-oil, kerosene and a large number of other things, all of which I have found are essential to the satisfactory production of my improved substitute for gasolene; in fact, if a single constituent of petroleum be extracted from it at the time it is mixed with my other named ingredients, my composition will be less perfect than it would if all the constituents of the petroleum were left in it.

My improved substitute for gasolene may be used in common gasolene carbureters and will start the engine while the latter is cold, as I have found it is unnecessary to apply heat to the carbureter.

The function of the alum is, so far as I am informed, to settle and clarify the mixture of which it forms a part; to prevent the emission of smoke; to prevent corrosion and pitting of the engine valves; and to act as a cleanser of the engine parts.

I claim:

1. A substitute for gasolene, comprising a mixture of crude oil, gasolene, ether, and pulverized alum.

2. The herein-described substitute for gasolene, composed of crude oil (petroleum), gasolene, ether, pulverized alum, and oil of citronella.

In testimony whereof, I have signed my name to this specification, in presence of two subscribing witnesses.

WILLIAM HENRY STEVENS.

Witnesses:

E. L. WALLACE,

JOHN C. HIGDON.