UNITED STATES PATENT OFFICE.

ALBERT A. SAXE, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR, BY MESNE ASSIGNMENTS, OF ONE-HALF TO RAYMOND G. DOIDGE, OF SAN FRANCISCO, CALIFORNIA.

CARBON-DESTROYER.

1,119,458. Specification of Letters Patent. Patented Dec. 1, 1914.

No Drawing. Application filed July 26, 1913. Serial No. 781,370.

To all whom it may concern:

Be it known that I, ALBERT A. SAXE, a citizen of the United States, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in Carbon-Destroyers, of which the following is a specification.

This invention relates to a new and useful composition of matter, which is particularly adapted for removing carbon deposits formed within the cylinders and valves of internal combustion engines.

My composition consists of the following ingredients combined in approximately the proportions stated, viz:

Kerosene	5 gallons.
Commercial benzol	2 "
Alcohol	3 quarts.
Spirits of camphor	1 quart.

These ingredients are to be thoroughly mingled by agitation. The preparation is most effectually mixed at a temperature of from 65° to 75° F. After it is allowed to stand for about 12 hours, more or less, it is then ready for use.

The above-named composition forms a free-flowing liquid which may be admitted to the cylinders of the engine in any suitable manner, but preferably through the suction side, while the engine is running. This is accomplished by pouring it into the air inlet of the manifold or carbureter. Preferably the preparation is fed through the air intake of the carbureter and mixes and burns with the gas when in a vapor form.

This carbon destroying composition entering the cylinders through the manifold and inlet valves will thus be thoroughly distributed on the surrounding heated surfaces where it will immediately dissolve and loosen the carbon, permitting this to be discharged through the exhaust valves, and leaving the interior of the cylinder and its moving parts bright and clean, without overheating or injuring the metal in the engine or any other working parts, and all without stopping the engine, or detaching any parts, or disturbing any adjustments.

The proportions of the above mixture are such that the kerosene provides a base, which, while burning, will soften the carbon, the benzol acts as a solvent, the alcohol as a cleanser, and the camphor as a heat reducer.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:

The herein-described composition of matter for removing carbon from internal combustion engines, consisting of the following mixture in approximately the following proportions: kerosene, 5 gallons; benzol, 2 gallons; alcohol, 3 quarts; spirits of camphor, 1 quart.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

ALBERT A. SAXE.

Witnesses:
JOHN H. HERRING,
W. W. HEALEY.