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MOTOR FUEL.

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The present invention relates to a motor fuel, and more particularly to a motor fuel capable of high efficiencies.

I have found after long experimentation that a motor fuel comprising nitrophenol and ether gives clean combustion and no carbon deposit in the motor on use. Because of the clean combustion no carbonization occurs in the motor. It is well known that even the lightest naphthas or hydrocarbons form carbon deposits in the motor. The addition of nitrophenol and ether is therefore of material importance since it reduces carbonization. It is to be noted that the combustion products of my fuel contain no acid constituents.

In general it may be said that my fuel comprises a nitrated derivative of a phenol, such as trinitrophenol and an ether, such as ethyl-ether, together with various hydrocarbons, such as naphtha, petroleum either and ligroin. As a specific example of the proportions that may be employed, and without limiting the invention, the following may be given as an illustration:

	Per cent.
Trinitrophenol	2
Ethyl-ether	3
Naphtha	20
Petroleum-ether	60
Ligroin	15

This mixture is made by mixing the materials together. This mixture is then added to the naphtha or gasoline fuel to be employed in the motor by adding four and one-half percent per volume of this mixture to the naphtha or gasoline to be employed for the motor.

The above description is merely illustrative of the best manner of carrying out my invention, and not limiting the invention which I claim to be:

1. An addition agent adapted to be added to gasoline motor fuels and the like comprising trinitrophenol 2%, ethyl ether 3%, naphtha 20%, petroleum ether 60%, ligroin 15%.

2. An addition agent adapted to be added to gasoline motor fuels and the like comprising about 2 parts trinitrophenol and about 3 parts ethyl ether.

3. An addition agent adapted to be added to gasoline motor fuels and the like comprising about 2 parts nitrophenols, about 3 parts ether and about 95 parts volatile hydrocarbons.

In testimony whereof I affix my signature.

DAVID COSTAGUTA.