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PROCESS FOR TREATING CALCIUM CARBIDE.

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To all whom it may concern:

Be it known that I, GEORGE J. FERGUSON, a citizen of the United States, residing at Philipsburg, in the county of Center and State of Pennsylvania, have invented a new and useful Process for Treating Calcium Carbide, of which the following is a specification.

This invention relates to a process for treating calcium carbide and it is an object of the invention to provide a process of this general character wherein the liability of explosion of the carbide when exposed to moisture is materially reduced without reducing the value of the carbide.

Another object of the invention is to provide a novel and improved process of this character wherein the carbide is treated with an oil in a manner whereby deterioration of the carbide is prevented and whereby the gas created therefrom will not clog burners or jets through which the gas may flow.

Furthermore, it is an object of the invention to provide a novel and improved process wherein the carbide is subjected to treatment by kerosene and by lard oil.

My improved process involves the placing of the commercial calcium carbide to be treated within a reticulated or perforated container preferably suspended over a suitable vessel, such as a frying pan placed on a stove. Lard oil is poured upon the carbide within the perforated container and permitted to seep through the carbide to the pan or receptacle therebelow. Only sufficient amount of lard oil is permitted to be received within the receptacle or pan to assure a strong vapor. This action is continued until the carbide in the perforated container turns a light brown. The carbide is then permitted to cool and is placed in a bucket or other suitable receptacle and a small amount of kerosene is run through spruce spikes onto the carbide. The spruce has such action on the kerosene to prevent it from slacking the carbide and to cause the same to serve as a preservative.

I claim:—

1. A process for treating commercial calcium carbide which comprises treating the carbide with lard oil, heating the so-treated carbide while exposing it to the action of the lard oil vapors, allowing the carbide to cool and then moistening it with kerosene.

2. A process for treating commercial calcium carbide which comprises in seeping lard oil through carbide, heating the so-treated carbide while exposing it to the action of the lard vapors, allowing the carbide to cool and then moistening it with kerosene.

3. A process for treating commercial calcium carbide which comprises treating the carbide with lard oil, heating the so-treated carbide while exposing it to the action of the lard oil vapors, allowing the carbide to cool and then moistening it with kerosene after passing over spruce.

GEORGE J. FERGUSON.