SECTION TWO-Page Four

LIQUIFIED PETROLEUM GAS INDUSTRY **GROWS TO PROMINENCE IN BRIEF SPAN**

United States.

Production of this gas for homes and industry has grown like ragweed ... it is still growing. The principal reason for its growth is that it provides entirely satisfactory, highly modern, cooking, water heating, refrigeration and general heating ser-vice to millions of American families residing throughout the 48 states.

Industry Expands

Back in the early 20's, liquefied petroleum gas was a waste product that was flared or weathered off at refineries and gasoline plants. As recently as 1927 there were only 1 million gallons of liquefied petroleum gas marketed in an entire year. What might be called an industry was hardly no-ticeable until the middle 30's when ume of 106,052,000 gallons of lique-States.

bility. This is also true with the ap- remainder is a combination of fracmated that 78 million individual meals and catalytic cracking processes give per day are cooked on liquefied pe-troleum gas troleum gas

Used On Farms Too

On the farm, liquefied petroleum plants. gas is used for household purposes, can sterilization, for heating requirewater for irrigation purposes.

users of liquefied petroleum gas.

practically nothing to the position of for the transporting of Liquefied Peprominence where it stands today. Its troleum Gas. retail distribution is amounting to more than a half billion dollar busi-

Green's Fuel is a trade name for the strong continued market accept-liquified petroleum gas, otherwise ance supports the belief shared by termed as compressed gas, natural those within this industry that liquegas, LP-gas, bottled gas or tank gas, fied petroleum gas has earned recog-By whatever name it is called, lique-fied petroleum gas has been one of nation's industries, utilities, homes the fastest growing industries in the and farms and that it has become on important part of our total economy.

New Uses Found A few of the newer uses for the

application of this gas are as follcws: Green houses. Poultry preparation for market. Dehydration.

Tobacco curing. Brazing and carburizing. Flame cutting and welding. Heat treating and annealing. Ceramic equipment. Enameling furnaces.

ment. Textile equipment.

Many times the question is asked, just what is liquefied petroleum gas? Liquefied petroleum gas comes out of (1936) there was reported a sales vol- the ground in three ways: (1) in wet natural gas (wet because it is rich in las of liquefied petroleum gas. Green's fied petroleum gas which sold for liquefied petroleum gas); (2) in cas- Fuel with its own formula has been about 48 million dollars. Ten years ing-head gas, an extremely wet gas later: 1.7 billion, worth about 380 that comes out of oil wells; and (3) in million dollars and in 1949, 2,725,000,- crude oil. From wet and casing-head 000 gallons of liquefied petroleum gas gases, liquefied petroleum gas is exwere marketed. To emphasize the tracted at natural gasoline plants and 27,000 dealers and 17,000 gas applimagnitude of volume sold in 1949, it cycling plants. A gasoline plant, for represents about 20 gallons for every example, by absorption or compresman, woman and child in the United sion, separating off the usable frac-

troleum gas for economy because it is a clear fuel; it has a constant BTU and butane which, unlike methane and The industry starte

cessed in the same way as at gasoline

The job of delivering the liquefied for heating brooders and stock water gas from the producers to the diftanks, supplying the heat for milk ferent distributors in the field has resolved itself, mainly, to three differments in any of the farm buildings ent forms of t ransportation; (1) speand as a fuel for tractors and other cial railway tank cars of which there internal combustion engines used for are thousands in movement daily; power on the farm such as pumping these tank cars are heavily built, insulated cars, designed especially for

There are about 28 million homes moving liquefied petroleum gas and in the United States that use gas of hold, each, a little over 10,000 galwhich it is said about 25 per cent are lons; (2) specially designed transport tank trucks, carrying up to 5,000 gal-This industry has developed from lors; (3) ocean going tankers built

Huge Carriers

The Natalie O. Warren built by ness annually and it is increasing its Warren Petroleum Corporation is in importance due to the many new uses daily use and carries 1,300,000 gallons. and the many new customers which Standard Oil Company (N. J.) use it is adding to its services each day. two ocean going liquefied petroleum The extent of this rapid growth and gas carriers to transport the gas to

Brazil where it is very attractive not only to the owners of lush Rio apart-ments but to inhabitants of jungle as well.

All gas delivered to the bulk stor-age plants of the Green's Fuel organi-zation comes by tank cars. In Polk

county, for example, there is 150,000 gallons bulk storage; this is ample to take care of the requirements for this area under all circumstances. Trucks are filled at these storage plants and deliver gas to the container located on customer premises quickly and effi-ciently and without any interruption of continuous service All containers of continuous service. All containers carry the underwriters' label or are stamped with ICC for public protec-

tion.

To Door Gas **Peddlers Disappear**

Green's Fuel-handled by the West-Laundry and dry cleaning equip-tern Gas Service in Edenton-is a liquefied petroleum gas. Green's Fuel is a trade name for this gas in the same manner that "Standard," "Sinclair," "Gulf", or "Shell" are trade names

for gasoline. There are several different formu-

marketed for the past 18 years. It was a small business back in the 1920's, but liquefied petroleum gas has 500 producers, 2,500 distributors, ance outlets. It is an important business and very large in dollar volume of sales. It has not been and tions. The first to come off are meth- is not being subsidized by the govern-Industrial plants use liquefied pe-lane and ethane (pipeline natural gas). ment. It has stood and is ably stand-

The industry started as a surge of content; it is dependable and in its ethane, can be kept in liquid form un- thousands of rugged little entrepreapplication, it has the utmost flexi- der moderate pressures. Most of the neurs with a truck and a few hundred dollars in the bank, peddling gas and plication of liquefied petroleum gas tions, natural gasoline, which stays as appliances from door to door. As far for domestic use; between high and a liquid under little pressure and is as gas was concerned it was a "sallow flame, there is an infinity of ad- used in the manufacture of motor vage" operation. It was a big busijustments. The instantaneous reac- fuel. From crude oil, the extraction ness to the little operators, but just tion of heat permits reaching peak of liquefied petroleum gas occurs in a by-product to the big operators and performance immediately. It is esti- refineries where distillation, therma not very exciting. That has all changed. The industry has grown 2,000 per cent since 1936.

Competitively the industry is fortunate. The only other to offer comparable service is the electric power industry.

For Plane Flight

ularly adapated for all types of in-ternal combustion engines, has pio-have shown considerable increase in that 80 per cent of those homes were have shown considerable increase in that 80 per cent of those homes were below the Mason-Dion Line. Today,

The aircraft flew to Sarasota fc^{-1} Contrary to common belief, raising the purpose of demonstrating the the compression ratio of an engine

characteristics of hydro-carbon gases Actually, the average bearing load as fuel for internal combustion engines. This demonstration was giv-et. at the recent Green's Fuel service school which is held each year for the engines are almost invariably larger

feasibility and the more favorable

pany. This type of fuel, handled in bulk as a liquid, has a high inherent oc-tane rating normally 100, but capable of reaching 125 through blending with the same group. Due

neered in the development of aircraft transportation with butane and pro-pression ratios are used on the same northern operators are whittling down engine.

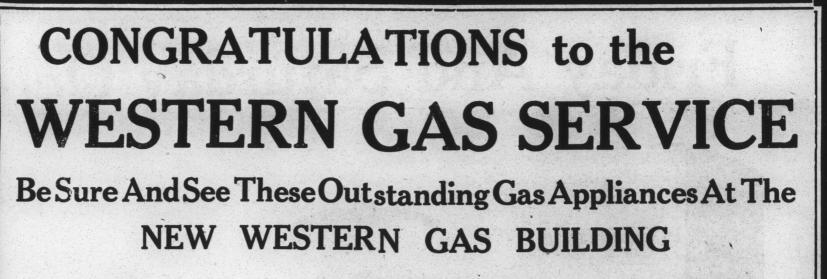
purpose of training service and tech-nical employees from the four south-eastern states served by that com-pany.

does not increase the bearing

flight back to Oklahoma from Sara-sota. The Hughes company, which manu-factures carburetors that are partic-as 12 to one are feasible and tests ago it would have been safe to bet that percentage fast.

GREEN'S FUEL IS SAFE

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