Gasoline Made Synthetically Helps Aviation

SAN FRANCISCO, April 28 (U.P.)—Synthetic gasoline, the dream of scientists for the past 18 years, is being produced in California in large, commercial quantities.

The product is a little more costly than the ordinary gasoline, but is being fashioned especially to meet the most exacting requirements of the high-power-compression motor, such as is used in aviation.

The search for synthetic gasoline began in 1920 when the country first began to realize that with the great development which the automobile was making there must be either a close conservation of the world's supply of petroleum or else the development of some synthetic substitute.

Petroleum Used As Base

The synthetic gasoline now being manufactured still depends upon the existence of petroleum, but it serves the double purpose of conserving the world's supply of the latter while at the same time producing a gasoline of superior quality.

Original experiments that were begun back in the '20s for the manufacture of synthetic gasoline were based upon the possibility of utilizing the gaseous hydrocarbons which occur naturally in crude petroleum. The process as perfected is based upon the same idea. The raw material used in manufacturing the new gasoline is the olefin gas formed as a by-product in the handling of crude petroleum. There are three different kinds of olefin gas that are given off, but the one known as butane is the one that is being utilized now.

Cracking Process Necessary

To obtain this gas, heavy fuel oil is run under high temperature and pressure through huge cracking furnaces with the primary objective of conversion to cracked gasoline. The next steps are the gradual purification of the butane gas and the elimination of all other constituents which would either interfere with its conversion into synthetic gasoline or would detract from the quality of the finished product.

Following the purification steps, the butane is pumped to traction vessels where the actual conversion into synthetic gasoline takes place.

According to the chemists who have been developing this butane product, it is destined to play a most important role in other industries. Besides its use for the manufacture of synthetic gasoline, it is being utilized in such industries as paint, paper, soap, plastics and rubber. The field for its future use, they declare, has only been scratched.

Of Special Value to Aviation

While costing more than the ordinary gasoline, the synthetic product presents qualities for use in high-power compression motors, especially for aviation, that offset the increased cost.

In the case of a large transport plane of 20 tons when fully loaded, this weight is distributed between 14 tons to the plane and crew, 4 tons to a good regular grade of aviation gasoline, and 2 tons to the pay-load of passengers, mail and baggage.

With the new synthetic gasoline, however, 3.2 tons will do the same job for which 4 tons of ordinary gasoline are used. This means an increase in the pay-load of the plane from 2.0 tons to 2.8 tons, or 40 percent.

It is believed by the company that the commercial manufacture now in sufficient quantities of synthetic gasoline will mark a new era in the design and performance of airplane engines.

In Business 25 Years at 31

SAN ANGELO, Tex. (U.P.)—Only 31, Nathan Donsky, local merchant, actually has been in business for himself the last 25 years. He started at 6 as a newsboy.

Dainty Rolled Sandwiches Are Easy To Make

ANY hostess who wants her guests to vividly remember her tea or bridge should try serving rolled sandwiches which thrill the feminine eye. These thin, tasteful sandwiches are so simple to prepare that they are almost essential to a well-planned party.

The secret of making these rolled sandwiches is to use plenty of butter, which holds them together. There are any number of butter spreads which are delicious, and when other fillings are used both sides of the bread should be spread with butter to prevent them from soaking through.

Rolled sandwiches, so frequently served in the smartest tea shops and cocktail rooms, are made in this way:

Remove crust from the top, sides and ends of the loaf of bread but not from the bottom. Spread the top with a butter spread or other filling on top of butter, making sure that the filling comes all the way to the edge.

Cut the bread into a thin slice lengthwise and roll tightly together crosswise to make a firm roll. Wrap in wax paper or in a damp towel and place in the refrigerator for a half hour or more to allow the filling to set. Spread the top of the loaf again, cut off a thin slice and roll as before. When ready to serve, cut rolls crosswise into thin sandwiches, using a sharp knife.

We suggest that you try all sorts of cheese, deviled ham or chicken, watercress, or spices, raisins, or nuts combined with butter in making delicious rolled sandwiches. Decorative and handy for any occasion, the sandwiches make a delightful luncheon when served with tall frosty glasses of chocolate milk shake made with ice cream.

Concerning the Law

The law is subject to many interpretations and these three men all have ideas of their own on how it should work. Pictured at top of the panel is Justice of the Peace Louis J. Hicks, Clayton, O., who sentenced a man to 24 minutes in jail for stealing $2. He based the sentence on the amount of time Richard Whitney is to serve for stealing $225,000. In center panel is Superior Judge Emmet H. Wilson, Los Angeles, who has been influenced by the Coogan case to order all parents to establish trust funds for child actors. In lower picture is Comedian Clyde Cook, Hollywood and New York, who asks the court to give him a divorce on the claim that his wife ran around to night clubs wearing a fur coat over her night gown.

Queen of the North Comes 'Outside'

Out of the frozen north for a visit to the West Coast has come Miss Grace Bradley, queen of the recent Fairbanks Dog Derby. She is visiting briefly in Washington and Oregon before heading further south. Her dog team, with which she is shown above, was left behind. "They don't care much for sunshine and hot weather," Miss Bradley says.

Seven Babies Born at Hospital Here; Five Are Boys

Seven babies, five of them boys, were born at Torrance Memorial hospital during the past week. Four of the boys arrived "too late for publication" last Thursday. They were sons of Mr. and Mrs. Howard Barrows, Redondo Beach; Mr. and Mrs. Colomba Donati, 2325 Sierra, (Donati is a crane operator at the United Concrete Pipe plant); Mr. and Mrs. Alma Isom, Wilmington, and Mr. and Mrs. A. L. Lockhart, Redondo Beach.

A son was born to Mr. and Mrs. L. E. Walker of Gardena Saturday and the following claimed new daughters: Mr. and Mrs. Elmer Lancaster, 21403 Figueroa, Torrance, late last Wednesday, and Mr. and Mrs. John George Ginenez, Harbor City, last Friday.

Read Our Want Ads!

STATE PICNICS

ILLINOIS . . . All arrangements are complete for the Illinois picnic-reunion Saturday, April 30, at Sycamore Grove, Los Angeles, according to William H. Fraser of this city who is a vice-president of the Illinois Association.

KENTUCKY, ARKANSAS, TENNESSEE . . . Three great state picnics will be held in Sycamore Grove Park May 7—Kentucky, Tennessee, Arkansas. Each will have a separate section of the park and will open county registers and headquarters.

IDAHO . . . The annual picnic reunion of Idaho people will be held Sunday, May 1, in Sycamore Grove Park, Los Angeles.

TEXAS . . . The annual Roundup of present and former Texans will be held Sunday, May 1, at Sycamore Park, Los Angeles. The day will be celebrated as San Jacinto Day to commemorate the "deathless renown" of those who fought at the Alamo.

All Eggs Must Be Grade Marked for Legal Sale

Warning to operators of roadside stands and others selling eggs at retail that it is illegal to advertise any eggs for sale unless they have first been marked as to size and quality specifications, was issued this week by Harold J. Ryan, county agricultural commissioner.

All eggs must be candled to determine quality, with fresh eggs graded as "specials" and "extras."

All eggs, whether sold in bulk or in closed containers such as paper bags or cartons, must have proper size and grade marks, Ryan said. When sold in closed containers markings must include name and address of the producer. Eggs which fail to qualify as "specials" or "extras" cannot be sold or advertised as fresh eggs.

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