

# New "Liberty Fuel" Superior to "Gas"

A new Liberty Fuel which officials 'tests' vouch for as a substitute for gasoline, is described in a recent issue of the American Machinist. It is declared to be derived from a kerosene base and said to be superior to gasoline in many respects including easier starting, leaving no residue, greater mileage and requiring less air for combustion. Its cost of production is also said to be greatly less than that of gasoline, and the quality may be graded to suit individual needs.

The following is quoted from the machinist: "Unlike the stories that we have had of new fuels made by dropping some sort of a mysterious pill into water or some other equally inexpensive liquid, this fuel is made from kerosene as a base, as in the case with the gasoline now produced. Nor is it one of those accidents that sometimes occur, but a carefully studied method, the result of seven years' work by Edwin C. Weisgerber, Captain of Engineers in the Division of Research and Development. Captain Weisgerber was fortunately placed under the command of Major O. B. Zimmerman, who, with his long experience in internal-combustion motors, not only encouraged him in the face of opposition, but aided him materially by practical suggestions from the motor end.

"The possibility of some such accomplishment has been pointed out by Bacon and Hamor under the heading of 'Peroxidized Kerosene,' but it remained for the Engineering Division of the Army in the person of Captain Weisgerber, to make the matter a reality. The great difference between this process and others is that this is a chemical method while the others now employed are mechanical and the possibilities of a greatly increased supply of motor-fuel at a greatly decreased price make the name Liberty particularly appropriate.

"Over seven years ago Captain Weisgerber started work on the problem of finding a gasoline substitute, and his experience took him to various parts of the globe. He had practically perfected the fuel before entering the Army, the additional research and tests giving it the finishing touches. The result is Liberty fuel, which, according to reports of the Division of Research Development, has the following characteristics: "The fuel is practically scentless and tasteless and the products of combustion are cooler than with gasoline, which reduces the amount of lubricant necessary as well as the problems of cooling. It is also non-corrosive and has a less deleterious effect on motors than gasoline.

"It starts more easily than gasoline and will explode at a temperature below zero, this point being readily controlled in manufacture. It leaves no residue. The effect of the explosion is 30 per cent greater than gas. In fact, this, as well as the quality and specific gravity, can be controlled at will. It will not explode prematurely, and only ignites from spark or flame.

"It has been shown to give greater mileage in airplanes, automobiles, motorcycles, motor-trucks and tractors. It requires less air for combustion, can be made at much less cost than gasoline, and uses as a base a product (kerosin) which can readily be obtained in any desired quantity. It can be substituted for gasoline for any purpose. It needs no special apparatus and no special engine or carburetor.

"During the tests at the Naval Air Station at Anacostia, Liberty fuel was found much superior to the best gasoline and with the motor running 1,600 degrees F., and the oil in the crank-case did not go above 130 degrees. This quality of maintaining

low temperature may help to solve some of the radiation problems of aviation engineers. "Those interested in the chemical details relating to the temperature of distillation can obtain them from the report of the Bureau of Standards, these tests having been made under the supervision of Dr. Dickinson, who has been in charge of the motor-development tests during the war. The fuel is obtained by distillation and the quality can be varied to suit the requirements of different industries.

"There have been so many false alarms regarding the problem of fuel for internal-combustion motors that one hesitates to become enthusiastic over a question of this kind, but it seems that Major Zimmermann and Captain Weisgerber have succeeded in producing a new Liberty fuel. The need for such a fuel is beyond question and it is stated that arrangements have been completed for making it available in the near future."

## CAMP LEWIS MEN CALLED MOST BRAINY

MOSCOW, Idaho, Jan. 10.—Camp Lewis was the most intelligent army camp in the United States, according to a statement by Dr. E. B. Lindley, president of the University of Idaho, who has made a careful study of the results of the United States army intelligence tests. Similar tests are to be instituted in the University of Idaho.

"Soldiers in Camp Lewis are typical of the northwest," according to President Lindley, "and the results of these tests indicate the high average intelligence of the northwesterners."

"The high intelligence of the men at Camp Lewis is indicated by the fact that 93.6 per cent received a grade of A or B. Camp Lewis had nine times as many men of marked intelligence as any camp in the United States. Only 9 of 1 per cent of the men at the camp were below C.

## PALMER COULD NOT RAISE HAND TO HEAD

EVERY MUSCLE IN BODY ACHED WITH RHEUMATISM—LIKE NEW MAN AFTER TAKING TANIAC.

"I have lived in Portland for thirty years and there are just lots of people here who know that Taniac has made a new man of me," said J. H. Palmer, the well known transfer and baggage man, residing at 266 Knott St., Portland, Ore., recently.

"I have been a sufferer from rheumatism twenty-five years," continued Mr. Palmer, "and reached the point where I never expected to get well, or even any better. I spent thousands of dollars trying to get relief, but gradually got worse. Every muscle in my body seemed to be drawn up, every joint stiff, and I could not move without suffering agony. When I walked instead of lifting my feet, I would just have to drag them along and if my life had depended on it I could not have raised my hands high enough to touch the back of my head. I was laid up for more than two years at one time. After sitting down for a while I couldn't get up without holding on to something and after I did get on my feet it would take me several minutes to straighten myself up. During the past year or two my condition became very much worse. My whole system seemed to be run down. My kidneys bothered me nearly all the time, my back hurt me and at times I would almost scream from pain.

"I also suffered from indigestion. My stomach would bloat up after eating and my food would sour and add more to my misery. I would lay awake more than half the night rubbing my arms and legs trying to get easy so I could get a little rest. I would get awfully blue and despondent over my condition, and yet, could see no way out of my suffering.

## At the Theaters

Coming to the Liberty Tuesday and Wednesday Jan. 14, 15. "Crashing Through to Berlin".

The most complete and important War spectacle in the annals of Motion pictures. A History on the screen and no man or child should miss it. Scenes never before shown. Genuine, real, true, absolutely authentic. You'll see the Destruction of Liege. You'll see the silly and vain-glorious Crown Prince riding on his white charger up to your very face and on into Luxemburg. You'll see the massive guns belching forth the fire that later drove him back from Verdun.

You'll see the Hunns taken prisoners and see on their faces the churlish but despairing abandon as again 'the Hip! Hip! Hurray!' of the grinning fighting Yanks.

You'll see barages laid and see their fire just as you were there on the ground. You'll see the careful crafty advance of the Allies under fire.

You'll see the great warships speeding into battle array also the submarines and the chasers. You'll see the great battle planes and the daring work of the aces. These wonderful pictures that will lift you out of the realm of print and imagination into the sphere of actuality.

You'll see the picture that you have been waiting for. The hundreds of camera men that were employed in making this picture were on the ground from the firing of the first cannon until the present time both with the Allies and with the German army. The films were sent out of Germany before war was declared between the United States and Germany.

When ever anything proved to be of greater importance than some other part of the picture it was substituted and so this picture is crowded together in seven great reels and you can be assured that every foot will give you something that you will want to see. See the actual pictures of the beasts of Berlin and not impersonated by actors.

"The Trail to Yesterday" introduces Bert Lytell to motion picture patrons as a Metro star. The production, a screen version of a successful novel, has been chosen especially with a view to providing the best possible medium for Mr. Lytell's talents and personality. The role of "Dakota" the cowboy, calls for a display of the athletic powers in which Mr. Lytell excels, and also for strong dramatic action. The Grand Canyon of the Colorado and an Arizona cattle-ranch, are among the interesting scenes shown in connection with "The Trail to Yesterday." Owing to being falsely accused of crime, the wealthy young hero of the story goes West and becomes a cowboy. There he meets with many adventures, and— with Sheila! Romance and drama are happily combined in this fascinating five-act feature. To be shown at the Liberty tonight only.

See Chilcote & Smith for fire, life, accident and health insurance. 633 Main street. 24

## Herald's Classified Advs.

SITUATIONS WANTED WANTED—Ironing or housecleaning on Wednesday or Thursday of each week. Phone 337M. 9-21\*

GIRL WANTS WORK—Hotel dining work preferred. Address 1213 Pine street. 8-31\*

## FOR SALE

FOR SALE—Percheron stallions, one coming 2 years, one coming 3, and one 5 years old; all sound and good individuals; we raised these horses here on our farm, and will sell them very reasonable. Liberty bonds accepted at face value.—W. W. & C. A. Parrett, route 2, Newberg, Ore. 9-3\*

FORD FOR SALE—Cheep for cash. Phone 22M or 67Y. 30-1\*

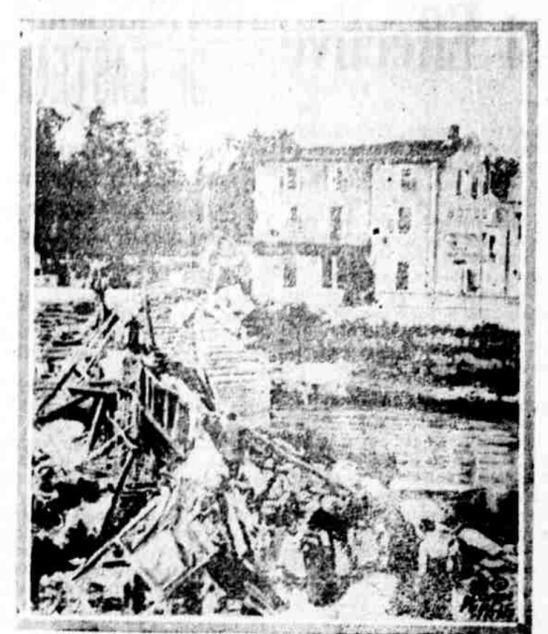
## LOST AND FOUND

FOUND—On Klamath avenue, piece of money. Owner can have same or proving property and paying for adv. Call at Oregon House. 10-21\*

me. Why, my legs are just as limber as if I had never had a touch of rheumatism. I don't suffer any more from constipation and headache and have gained back all my energy and strength and several pounds in weight besides numbers of my friends who know what Taniac has done for me, are now taking it with fine results. Yes sir, Taniac has done everything for me I could wish, far more than I expected it could do, and I would be willing to go before a notary and make an affidavit as to the truth of this statement."

Taniac is sold in Klamath Falls by the Star Drug Co., and in Lollaia by James Mere Co.

## U. S. Airmen's Accurate Bombing Shown by Destruction of Bridge in St. Mihiel Sector



American aviators played an important part in bringing the Hun to his knees. This official photograph, just released by the Committee on Public Information, shows a bridge over the Meuse, near St. Mihiel, which was destroyed by a bombing squadron. The destruction of this bridge greatly hampered the movement of German troops and artillery.

## "HARD SKIN" AND FOOT CALLUSES

Magic! Peel them right off without soreness.



Don't suffer! A tiny bottle of Freezone costs but a few cents at any drug store. Apply a few drops on the toughened calluses or "hard skin" on the bottom of feet, then lift those painful spots right off with fingers. When you peel off corns or calluses with Freezone the skin beneath is left pink and healthy and never sore, tender or even irritated.

## SAGE TEA KEEPS YOUR HAIR DARK

WHEN MIXED WITH SULPHUR TO BRINGS BACK ITS BEAUTIFUL LUSTRE AT ONCE

Gray hair, however handsome, denotes advancing age. We all know the advantages of a youthful appearance. Your hair is your charm. It makes or mars the face. When it fades, turns gray and looks streaked, just a few applications of Sage Tea and Sulphur enhances its appearance a hundred-fold.

Don't stay gray! Look young! Either prepare the recipe at home or get from any drug store a 50-cent bottle of "Wyeth's Sage and Sulphur Compound," which is merely the old time recipe improved by the addition of other ingredients. Thousands of folks recommend this ready-to-use preparation, because it darkens the hair beautifully, besides you can, possibly tell, as it darkens so naturally and evenly. You moisten a sponge or soft brush with it, drawing this through the hair, taking one small strand at a time. By morning the gray hair disappears; after another application or two, its natural color is restored and it becomes thick, glossy and lustrous, and you appear years younger.

Wyeth's Sage and Sulphur Compound is a delightful toilet requisite. It is not intended for the cure, mitigation or prevention of disease.—Adv

## Quality Drugs...

It isn't economy—and it isn't wise—to buy anything but the best in drugs.

We have gained the confidence of our customers by selling drugs of the highest quality only. You cannot buy any other kind here, and you are always safe and sure that nothing but the best drugs will be sold in this store.

## Underwood's Pharmacy

KLAMATH FALLS OREGON

Pure Country Sorghum in cans; also fine bulk syrup, at 9-6t SUNSET GROCERY.

## OPEN NOSTRILS! END A COLD OR CATARRH

How To Get Relief When Head and Nose are Stuffed Up.

Count fifty! Your cold in head or catarrh disappears. Your clogged nostrils will open, the air passages of your head will clear and you can breathe freely. No more snuffing, hawking, mucous discharge, dryness or headache; no struggling for breath at night.

Get a small bottle of Ely's Cream Balm from your druggist and apply a little of this fragrant antiseptic cream in your nostrils. It penetrates thru every passage of the head, soothing and healing the swollen or inflamed mucous membrane, giving you instant relief. Head colds and catarrh yield like magic. Don't stay stuffed-up and miserable. Relief is sure.

## RECKARD RENT SERVICE

Phone 59 Night Phone 345

## FRANK T. GUNTHER

WATCHMAKER AND JEWELER Fine Watch Repairing a Specialty 621 Main Street

## PROFESSIONAL CARDS

## DR. G. A. MASSEY

Successor to Dr. Truax Suite 206, I. O. O. F. Bldg Office phone 86J Res Phone 86M

## FRED WESTERFELD

DENTIST Loomis Bldg., Klamath Falls

## CITY AND COUNTY ABSTRACT COMPANY

517 Main Money to loan on real estate at 8 per cent.

## DR. F. R. GODDARD

Osteopathic Physician & Surgeon Suite 211, I. O. O. F. Temple (over K. K. K. Store) Phone 321 (The only Osteopathic Physician and Surgeon in Klamath Falls)

## An Inside Bath Makes You Look and Feel Fresh

Says a glass of hot water with phosphate before breakfast keeps illness away.

This excellent, common-sense health measure being adopted by millions.

Physicians the world over recommend the inside bath, claiming this is of vastly more importance than outside cleanliness, because the skin pores do not absorb impurities into the blood causing ill health, while the pores in the ten yards of bowels do.

Men and women are urged to drink each morning, before breakfast, a glass of hot water with a teaspoonful of limestone phosphate in it, as a harmless means of helping to wash from the stomach, liver, kidneys and bowels the previous day's indigestible material, poisons, sour bile and toxins; thus cleansing, sweetening and purifying the entire alimentary canal before putting more food into the stomach.

Just as soap and hot water cleanse and freshen the skin, so hot water and limestone phosphate act on the eliminative organs.

Those who get up with a bad breath coated tongue, nasty taste or have a dull, aching head, sallow complexion, acid stomach; others who are subject to bilious attacks or constipation, should obtain a quarter pound of limestone phosphate at the drug store. This will cost very little, but is sufficient to demonstrate the value of inside bathing. Those who continue it each morning are assured of pronounced results, both in regard to health and appearance.—Adv.

## UNIFIED PRIVATE R.R. MANAGEMENT RECOMMENDED

WASHINGTON, Jan. 9.—Railroad executives have decided to recommend to congress a system of unified private management of rail lines with strong public control exercised by a secretary of transportation in the President's cabinet, and a reorganized interstate commerce commission with regional divisions acting as a court of last resort in rate disputes.



## Cashing Our Resources

1919 is going to be a year of Opportunity. Concentrated attention and concerted effort upon the part of every person and business in the Klamath country will bring big returns. Together, we can promote our production, extend our markets and better our transportation.

May we count upon YOU to work with the FIRST NATIONAL?

E. R. Reames, President. L. F. Willets, Vice-President. Leslie Rogers, Cashier. A. M. Collier, Asst. Cashier. John M. Moore, Asst. Cashier.

## The First National Bank

KLAMATH FALLS OREGON