Edson, New York Expert, Tells of Task of Testing Hootch of All Kinds

SAMPLES TESTED

Moonshiners Color Fluid With Caramel, Much Raw Alcohol Used in Stuff

NEW YORK, Sept. 10 .- Secrets of the "hootch" maker who manufactures synthetic whiskey or gin are as an open book to the government chemists who test the products of violators of the Volstead law.

Evidence seized from rum-run-ners and bootleggers is brought to them for examination. How the chemical tests are conducted was disclosed today by R. A. Edson, chief chemiat of the government laboratory in the federal building. The walls of his offices are lined with shelves filled with bottles of every kind and description containing every kind of beverage forbidden by the Volstead act. Stills Galore

A fringe of stills seized raids decorates the top of the shelves and there is a big pile of them in a corner. In the past year more than 8,000 samples of have been tested here and the re-sults produced later in the federal

The first thing to be done by the chemists when a sample of suspected liquor is brought in is to test it for alchohol. Usually the prohibition agents try to get at least half a pint of whiskey and a pint of wine for the chemists to work on. But occasionalbottle of liquid which he explains is a drink of whiskey which he plain "hootch." bought at a bar and had to hold in his mouth until he could spit that is tested too.

Tests Intricate
When the sample is large enough the hydrometer is used to find the amount of alcohol presreading the markings.

pared with an equal amount of putations the amount of alcohol

For rapid work on wine with small percentages of alboiling point learned. boils at 100 degrees centigrade and water boils at a lower temperature than water and thus remists can rapidly calculate he amount of alcohol.

Color Analyzed After a test for alcohol has Whiskey that has been

LADY BARBER ON BOARD THE OLYMPIC.



Mass Emily Fish has started a liable's hather shop on the Olympic of the Cumard line. Miss Fish does not cater to men, but deals solely with members of her own sex. She is plintographed dressing the tresses of Miss Wintfred Taxlor prior to the vessel's departure for Europe.

brought in.

Relic Discovered on Site of

Old Camp Where Mercen-

aries Were Held

tionary war prison camp on the

The Fuerst Frederick regiment,

to the top of the mixture. If the nese merchants here was held up whiskey is genuine the color will by the customs officials on the mix with the amyl alcohol and ground that it smelled bad and liquor, good, bad and indifferent, rise to the top of the mixture. If was not fit for human consumpthe color is due to caramel it will tion. The government's chemists stay in the bottom of the mixture. Test is made for wood alcohol if there is any suspicion of its pres-

Much Alcohol Used

Mr. Edson said that 90 per cent of the liquor seized by the prohi-bition agents and brought to the laboratory to be tested is synthetbottle of liquid which he explains water and a little color or just

"We can usually tell whether the stuff is genuine or not by just out into a bottle without being smelling of it," he explained observed by the barkeeper. And The synthetic stuff has a distinct smell of raw alcohol which is not present in genuine whiskey no matter how bad it may be,

"Lately we have tested a number of samples of synthetic gin. It ent. The hydrometer is a ther- is made of alcohol and water with mometer-like instrument of grass a little oil of juniper to give the with the specific gravities marked | characteristic gin flavor. But the on it. It is floated in the sample juniper flavor is ranker than genand the markings read. Alcohol uine gin and I don't think anyleggers usually put in too much of the oil of juniper.

> There is some artificial wine test is very poor stuff. Usually mentation of the grapes after they are pressed and sometimes putrefaction has started. wine will contain 7 to 9 per cent

"Most whiskies contain 40 to brought over by the British to 50 per cent alcohol. Scotch whis- fight Washington's continentals. key has less alcohol than other We have found small graved the monogram "F. F., surmounted by a crown. The original hook or belt holder is is put in to imitate the peat-smoke

The making of home-made grape juice is dangerous from the battle of Long Island, and was and floating in the air at grapepicking time and it is the wild

yeast that starts the fermenta-The government chemists have farm. phosphoric acid is mixed with even tested Chinese wine or ngkaas ordinary grain alcohol man consumption. A large quan**Emergency Program Formu**lated at National Unem-

ADJOURNMENT IS TAKEN

ployment Conference

Delegates Meet Again Oct- REINDEER ARE ober 10 to Develop Permanent Action Basis

WASHINGTON, Sept. 30.—Formulation of an emergency pro- Seven Hundred Animals Are gram designed to effect the immediate relief of the nation's idle, variously estimated at from 3,-500,000 to 5,500,000 persons, was completed today by the national conference on unemployment with the adoption of specific measures recommended by committees.

The conference then adjourned until October 10, when it will consider a permanent unemployment policy and suggestions for the return of business and commerce to normal. Meanwhile its committees will work on details of these subjects.

Task Community One.

The conference found the task of meeting the unemployment emergency was primarily a community one with the responsibility of leadership and its solution resting on the mayors. Federal, state and municipal aid, however, was urged. Particular reference found the wine was made from was made by the conference to rice spirits and a decoction of herbs. They said it was all the connection between prices and the solution of the country's ecoright for Chinese medicinal purposes so it was allowed to be nomic questions.

"During the period of drastic

"We, therefore, strongly urge pointed a committee to investigate Read The Classified Ads.

all manufacturers and wholesalers who may not yet have adopted this policy to do so, but it is essential to the success of these measures when put into effect that retail prices shall primptly and fairly reflect the price adjustment of the producer, manuacturer and the wholesaler. When these principles have been recognized and the recommendations complied with, we are confident that the public will increase their purchases, the by increasing the operations of the mills, factories and transportation companies, and consequently reducing the number of unem-

Sent to Baffin Land As Planned by Explorer

CHRISTIANIA, Sept .24. - A representative of the Hudson Bay company recently paid a visit to Finmark on behalf of the Canadian government and bought a herd of 700 reindeer which are to be shipped to Baffin Land.

A number of Laplanders were also engaged to take care of the animals which will be despatched in September.

A plan for converting the Arc-Canada into a great wool, milk and meat producing area was presented to the Canadian government by Vilhjalmur Stefansson, the Norwegian explorer of the Sanadian Arctic, more than two years ago.

His project involved the introduction into the Canadian north of large herds of reindeer and also the domestication and development of great herds of musk ox. economic readjustment through He estimated that there were which we are now passing," the from 1,000,000 to 2,000,000 emergency program said, "the square miles of land available for continued efforts of any one to grazing in a climate too severe for profit beyond the requirements of cattle but where reindeer and his project. It was represented consistency should be condemned. In proof of his argument, he cited a resumption of normal business government of reindeer herds into and that the musk ox and reinreach replacement values in terms the growth of these animals in the entire year, of efficient producing and distri- the far north would help to solve buting cost, plus reasonable pro the food shortage then existing. The Canadian government ap-

SCENES NEAR WHERE BIG GERMAN EXPLOSION OCCURRED





One thousand persons were killed in an explosion of artificial nitrogen at the Oppouer Works at wigshafen, directly opposite Mannheim, on the Rhine. The upper photo shows a river view of the stricken city, while the lower photo shows a house on the Ludwigshafen side of the bridge which connects this city with Annelm, on the

of vegetation in the Arctic re- his neighbor: "What are you One of the important obstacles to the introduction by the American gions of Canada in the summer burying in that hole?" activity will be removed as prices Alaska. The explorer declared that deer could graze on it throughout seeds, that's all," was the reply.

One morning Jorkins looked other. "The seeds are inside." safe business practice or economic musk ox exist all the year round. that there is an abundant growth over his garden fence and said to Home Friend.

> Just replanting some of my "You bet I do." "Seeds?" exclaimed Jordan augrily. "Looks more like one of "That's all right," replied the Transcript.

A coffee roaster in your kitchen-



United States of the Association of the States of the Stat

affiliate an include our transfer of the

HERO JEEN WITE.

would not supply fresher coffee than Hills Bros. Red Can brand. The vacuum process makes it possible, as coffee when packed by this method is protected from the air and cannot deteriorate - one of the many reasons why Red Can is certain to please critical users of coffee.



and the best of the and we have been there are a few to

Special Train To Portland

Saturday, Oct. 1, 10:15 p. m.

For the benefit of those wishing to see the Night Horse show and races, the

Southern Pacific

will have a special train leaving the Fair grounds for Portland at 10:15 p. m.

> JOHN M. SCOTT, General Passenger Agent

AGED MAN WINS AS CARPENTER

Brooklyn Resident Defies Undertaker by Working As House Builder,

take up golf, Frank D. Johnson of Brooklyn continues to erect houses all by himself and sells

pursuit and now is putting up a nue. No hands but his own have touched the structure since he Last July while he was work

ng on the house, it was struck by

hair has fallen from his head.
"I could have knocked off and taken it easy, but if I had done so

graveyard," was the way Johnson

bricklayer, carpenter, plasterer, plumber, tinsmith, painter, papercian, wood carver and cabinet maker, Johnson studied all the ins and outs of laws governing real estate, so as to save all title searching and allied fees,