

Should even a portion of the bene-ficent results predicted from the pass-age of the bill removing the tax from lons of alcohol. We now raise po-solution will be alcohol. We now raise po-solution successful be alcohol. Successful be alcohol is extracted will pay the cost successful be alcohol. Successful be alcohol is extracted will pay the cost of distillation. SUGAR BEETS AND MOLASSES denatured alcohol be realized, that tatoes almost exclusively for human measure will ring in a new industrial food, and we plant only those var.eties era not only in the factory but more which have the finest flavor for th particularly the farm, and the home. No other work of the Fifty-ninth Con-acre. But there are potatoes yielding gation projects in the West are water-ing lands which will soon produce gress, not even excepting the railway many more bushels per a than rate act will compare with this in these esteemed for food. They are general beneficence, if half, even a such as are grown for cattle food in from these crops can readily be turned quarter, of what is claimed for it shall parts of the old world where corn is into alcohol. A waste product of the to pass. "Alcohol," says the scarce. Secretary of Agriculture Wil-Philadelphia Record, "might be dis- son estimates that there would be no stilled from potatoes in quantity suf- difficulty in obtaining 500 gallons of ficient to light, heat and supply power alcohol per acre from such a variety. to all the Northern States of the Union, Potatoes can now be grown here as and at such a low cost as to supplant a commercial crop only within a short kerosene and gasoline. This alcohol distance from market. It does not would be incapable of use as a bever-age. To the dwellers in the country, they can be used as a source of heat, tion is dumped on our shores at almost in particular, such a development light and power, factories wil spring any price above freight. At New Orwould be of instant, universal and in- up in country neighborhoods where



SUGAR BEETS WILL PRODUCE ALCOHOL FOR THE WEST.

BAR

calculable benefit; but to every man, | coal is now expensive, and large areas no matter where he lives, it would be of some importance." Says the Louis-ville Courier Journal, after quo ng the Philadelphia Record's tribute to the about the same proportions of alcohol coming great and almost universal as the white potato. blessing: "And potatoes are only one of hundreds of things from which this useful product would be distille if the tax were removed. Such a step would create in this country a pracshared by the whole people as con-sumers, and by hundreds of thousands of them as producers." There is scarcely a nameable limit to the pro-duction of potatoes.

SUGAR BEETS AND MOLASSES. An acre of sugar beets will produce terials usually employed for their con-224 gallons of alcohol. Our vast irristruction, the mode of silk underwear being for the time abandoned. There are two new fabrics called silk nainsugar beets more profitably, perhaps, sook and silk chiffon, both cotton, but than any other crops and the molasse of very fine weave, and which do not lose their glossy appearance in washing. These materials have much the ca e sugar mill, known as "base molasses," would be another available source of our commercial alcohol sup-The lace composes much of the upper ply. Millions of gallons of this produced in all the Central and South American countries and the West Inmost to the elbow. These are open dies are now largely burned, fed to

leans, Boston and Brooklyn it is being worked up into inferior liquors. The alcohol made from it has a disagreeable odor and taste. But if re-pulsive matter must be added to 't to make it undrinka' and tax-free, under the new bill, it will serve as well as any other alcohol thus manufactured for power, heat and light, Already in Cuba such alcohol from this base molasses is being made at 10 cents per gallon. The base molasses itself can be had at New York at 3 cents a gallon. A similar grade of base molasses is turned out as a by-product by our beet sugar factories. Ten factories of Michigan send their produce to a distillery in that state and produce from it about a half million gallons of absolute alcohol. But this by-product of our beet sugar factories generally goes to waste in other states. Yet we sit by and bemoan the decreasing supply and increasing price of coal, the diminishing supply of wood, wonder where we shall turn next for power, heat and lightwhether we shall harness the moon with tide motors or the sun with colar arm, where they are loosely tied with engines! Moreover, the production of a succession of ribbon bows. In lin- a ghost.

eastern petroleum is falling off and gerie garments the square neck is

ALCOHOL FROM CORN AND That the farmers in all corn-grow-An acre of corn-fifty bushels-will furnish 130 gallons of absolute alcohol: establish co-operative distilleries for on a garment to be worn with decoltically new and vastly beneficial in-dustry, whose benefits would be gallons. An acre of potatoes thus natured" industrial alcohol, is the

set. Most chemises now-a-days are shaped in under the arms so as to do away with this extra width at the

the place of sleeves and shoulder parts lette dress, consists of ribbons which tie on the shoulders and may be un-tied and slipped beneath the bodice

when worn with the evening gown. The Japanese nightgown of quite loose cut is a decided novelty. This

A NEW UNDERGARMENT

nearly to the shoulder over the fore-

tured (or undrinkable) alcohol back

into its original condition would be

much more than for making pure al-

cohol anew, according to Dr. Wiley.

SOME NEW PARISIAN LINGERIE.

Colors in Blouses Very Fashionable,

Especially the Delicate Tints.

BERTHA BROWNING. In the new Paris lingerie, the

fashion is to have sets of chemise,

drawers and short petticoat of the

same material and type, and all trimmed in the same manner. Nain-

sook and very fine batiste are the ma-

appearance of silk and in garments

made of them lace is profusely used.

portion of the chemise and the sleeves

which are of bell shape reaching al-

the internal revenue tax.

# THE MESSAGE.

"Listen," said Raleigh, and suddenly seized my hand. "That is nothing but the alarm clock

He thinks the best method of making in the next room," I said. it undrinkable would be the addition He did not seem to hear what I said, of ten per cent. wood alcohol and one hand turned cold as ice. Nevertheless there was in his eyes a far away look

of expectancy, of dawning joy. "It is nothing at all," I repeated. "I do not understand what is the matter with you. Tell me."

"Oh, never mind," he answered, "but

to leave this world so suddenly."

"Nonsense," I said, "what has the issued. alarm clock to do with your death? He looked at me with the same won derful expression in his eyes, and said:

"Well, I will tell you what I have never told any one before." "You remember that Lora died three

years ago." is now

I looked at my watch.

"Just twenty minutes of five." "Yes, and three minutes ago that alarm went off, just at the hour and minute of her death,"

I looked at Raleigh in astonishment. "Well, even if that is so, I do not see what Lora's death has to do with you.

"With me! Oh! but you don't Liow. you know that Lora was my wife. Nobody knew it but ourselves."

"Lora was your wife!" "Yes, my wife," he replied, with tears in his cyes. "You know how her father hated me, and why. But she loved me as I loved her, and so we married secretly a few weeks before she died. I was not at her deathbed and would not have known had not the mainspring broken in that very clock we just heard with just the same peculiar noise. . At the moment it happened a feeling of deadly terror overpowered me. I rushed to her house, but they would not let me in. I cried that she was my wife, but they slammed the door in my face, and I swooned away.

When I came to my senses again I was here. How I got to my rooms I do not know, but I do know that she was with me and at my side, pale as

"'Lora,' I cried. She turned to me

"'Lora,' I erled again. Another woman stood at my side. 'He is de-lirious,' she said. 'We must renew the icebag."

"Now you have heard it just as I did. The clock has called and I must go.

"But, Raleigh-" I began.

He interrupted me. "Do not say anything," he whisered. "I know it and I am ready. I have been waiting so long-oh, so long. Good bye!"

He reached eagerly forward, as if embrace some one, but suddenly fell back into my arms, his face transfigured into the most beautiful expression I have ever seen. "Do you see her? There at the door! I am

# " Vincless" Potato Held I raud.

A special to the Record-merald says that a fraud order has been issued against the Vincless Potato Company, of Fullman, Ill. 'The company advertised to sell territory or individual rights for a vineless potato, which per cent. of "pyridine." According to the bill as it passed, the denaturing ingredients are left to the discretion of th tice and Postoffice, the fraud order was issued and W. D. Darst, discoverer of the wonderful process, will be excluded from the use of the mails, He proposed in reply to inquiries provoked by his advertisement to license for \$25 any individual to grow vinesurely you heard it as well as L less potatoes, and said that for \$100 he would sell unlimited territory. He "Well, then, the time has come. For also offered "potatine" at \$4.50 a pack-hours, days, years, I have expected it, age. Because his "potatine" was have ofttimes longed for, and still, now, when it has come, it seems hard less commercially, the order was

## Need Pure Food Law.

In the Philippine Islands some of the Chinamen are extremely clever at swindling, one of their tricks being to remove whiskey from a bottle and substitute an adulteration without break-"She died at exactly twenty-three ing the seal. They do this by soaking minutes of five in the afternoon. Look off the label and drilling a tiny hole at your watch and see what time it in the side of the bottle. They then take out the whiskey and substitute a liquid similar in color, fill up the hole, and cover it with the label.

Then the Cook Cut In.

The cook was going.

"How shall I word this recommendation, Marie?" her mistress asked. "You know I can't touch upon industry, and on the question of neatness the less even my dearest friend. How should said the better, while as for culinary skill-

"Well, ma'am," the cook cut in, "suppose you just say I stood this place four weeks. That will do me, I think."

A sixty-ton vessel, with a crew of twelve men, can earn about \$2,200 in a season at cod fishing.

STENOGRAPHERS: Bright young men who can take dictation rapidly and do rapid work on machine. Salary 806 to start. Write to-day. Offices in 12 cities. HAPGOODS, Suite 143, 305-305 Eroad-way N.

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be wanted for any purpose in the world and not a pound of it would take one element of fertility from the form will lie in folds beneath the corsoil. CO-OPERATIVE DISTILLERIES.

practically no gasoline is being found preferred to the round this year, and and said: 'Wait for me, dear, the clock in the petroleum of Texas and the this is always finished with a band of will call you.' West. And yet, according to Dr. lace or embroidery. Wiley, our farmers can grow any The empire form is, of course, very amount of starch and sugar that may fashionable for chemises, but, while

## WOULD USE UP WASTE PRODUCTS.

Potatoes, beets, corn-the stalks as well as the grain-and the waste products of our molasses factories may run our engines, cook our meals, heat and light our homes. The present tax of \$1.10 per gallon on commercial alcohol renders its use for power, fuel and light absolutely out of the question, although for these purposes it can be manufactured at less than 10 cents a gallon. At this rate it can supplant both gasoline and kerosene, than which it is also safer and much cleaner. The only opponents of the bill were the wood alcohol and Standard Oil interests, which would be the losers. Farmers, especially, insisted upon its passage.

The white potato can readily heat. light and furnish power for our the home the chill of winter or the hol per acre, according to the estimate blackness of night. Such is the state- of Secretary Wilson. In 100,000,000 ment of Prof. H. W. Wiley, Chief of acres of Indian corn the making of ten Sugar and starch, when fermenting, go largely to waste annually. Secreta y yield about half their weight in a so- Wilson predicts that the time is comlute alcohol. About one-fifth the ing when we will utilize this im .-- nse weight of potatoes, nearly three-guarters the weight of corn and al- Wiley the fermantable material in the

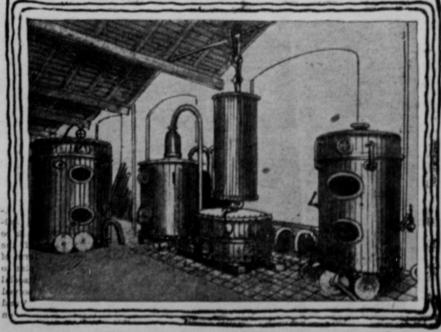
OLD-FASHIONED SOUTHERN SUGAR MILL. Northern states: the sweet per to, produces much more alcohol than an proposition of Nahum Bachelder, the yam and the waste from the acre of corn, when only the grain of master of the National Grange, molasses factory can do the same for the latter is taken into consideration. was pressing the passage in the inour Southern states, while in the great But corn stalks if harvested before terest of the S00,000 farmers of his West the sugar beet and Indian corn they dry out contain large quantities organization. These co-operative discan turn the waeels of the factory, of sugar and starch, enough to pro- tilleries would be ander close governfarm and conveyance and banish from duce 100 gallons of commercial alco- ment supervision, and the alcohol the government's bureau of chemistry, billion gallons of this alcohol therefore the farmers of this material for light-

alcohol from corn. it might be of In-

terest to add a statement from Dr.

. STALKS.

20



A GERMAN CO-OPERATIVE DISTILLING PLANT ..

most one-sixth that of the sugar beet (stalks could be removed by the presses these fermentable sugars and now used to extract the juice of sugar starches. And speaking of commercial ane.

### POTATO A GOOD ALCOHOL MAKER.

Wiley, that twenty times more power The potato will be our chief source can be obtained by burning the alcohol The potato will be our chief source of this undrinkable commercial alco-hol. A good yield of potatoes—300 self—as has been done in the West bushels—will produce 255 gailons of in times of coal famine. It is also such fuel for running automobiles, estimated that the value of the alcohol in times of the alcohol in times of the walks are not considered as male attendants are not considered as male attendants are not considered in times of the value of the alcohol in times of the value of the value of the value of the times the value of such fuel for running automobiles, estimated that the value of the byfarm motors and other engines; for products of corn after the industrial



would be rendered unfit for beverage purposes before leaving the distillery warehouse. In this way the cost to ing, heating, cooking and motor fuel purposes could be kept at the lowest point.

In Great Britain alcohol made undrinkable by the addition of 5 per ut.

of wood alcohol and a much smaller proportion of mineral naptha is now sold freely without tax. Since 1887 Germany also had untaxed alcohol for industrial purposes. France, , witzerland, Holland, Belgium, Italy, Russia, Sweden, Norway, Austria-Hungary, Portugal and six Latin-American republics exact no tax on this "denatured" alcohol, already regarded as one of the necessities of agriculture, manufacture and general industry. In these "free-alcohol countries" there are being used many varieties of alcohol engines, alcohol automobiles, alcohol motor boats, alcohol f rm motors, alcohol lamps and alcohol stoves.

### ALREADY SUCCEEDS IN EUROPE.

Germany has far surpassed in all of these inventions, which were largely mothered by necessity, for the fatherland has no natural gas or petroleum But its broad sandy plains produce cheap and abundant crops of potatoes rom which every farmer n manu facture a vast quantity of raw alcohol Inventors and scientists have been busy with improvements in farm distilleries. motors, lamps, cooking and heating apparatus. Their "spirit motors" are being turned out in all forms-upright and horizontal, stationary, por-table and locomotive. Alcohol locomotives pull trains of a dozen cars on large farms, sugar plantations and ongineering works. The army has had ness. Women are permitted to serve gineers The cost of converting this dena-

has rows of little tucks descending from the shoulder and extending half way down the figure. A double band of insertion starts at the foot of the gown, passes by the side of the tucks over the right shoulder and around the neck at the back, meeting in the centre of the front at the waistline. The sleeves are loose and flowing as befits a garment of this nature. Few nightdresses have collars, most of them being finished with straight bands of embroidery or lace.

CHARMING DRESSING SACKS. Some very jaunty little dressing tacks of silky batiste or nainsook are being constructed. These are entirely accordeon pleated, except for a portion of the sleeve. Lace and insertion surround the throat, and for those of Empire cut, a band of the same marks the high waistline in back and in front rises over the bust to be fastened with ribbons. Some of these lingerie tea jackets have broad and elaborate collars which reach over the should-

Another new comer is the blouse waistcoat of embroidered linen, batiste or mousseline de soie. This is made without sleeves and drawn in about the waist with a tape to adjust the fulness in front. These are designed to be worn with lingerie suits of which a long or short jacket forms a part. Lingerie petticoats are of increasing daintiness. They are for the most part

elaborately trimmed, the top portion being of sheath-like cut and fitting without a bit of fulness. They are completed with broad flounces of tucks, embroidery and lace. Some of these flounces show several frillings of lace or embroidery, while others are elaborate with hand-embroidered designs.

Violets. The roses I sent were red. My rival sent her white; My heart is torn with doubt and fear-Which will she wear to-night?

I hear her step upon the stair, Ah, Fortune, now disclose! My lady comes; stand still, my heart! Whose violets are those?

Done More on Mary.

From Technical World, "Mary had a little lamb, Just thirty years ago; The chops we had for lunch to-day Were from that lamb, we know."

Q. E. D .- How old is Mary?

The Pope's Wardrobe.

A large number of women are em-ployed at the Vatican solely in keeping the Pope's wardrobe in perfect condition. No spot or stain may disfigure his garments, and, as he always appears in white, even a few hours wear deprives the robes of their freshsummer, and a specially woven fine cloth in winter,

coming, I am coming, my darling." A tremor went through him and he was dead .--- The Oklahoman.



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