



SUGAR BEETS WILL PRODUCE ALCOHOL FOR THE WEST.

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 coming great and almost universal ville Courier Journal, after quo ng the Philadelphia Record's tribute to the coming great and almost universal blessing: "And potatoes are only one of hundreds of things from which this meeting product would be disture if 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 prac-tically new and vasily beneficial in-dustry, whose benefits would be shared 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. duction of potatoes.

WOULD USE UP WASTE PRODUCTS.

Potatoes, beets, corn-the staks as

An acre of sugar beets will produce 224 gallons of alcohol. Our vast irri-gation projects in the West are water-ing lands which will soon produce sugar beets more profitably, perhaps, than any other crops and the molasses from these crops can readily be turned into alcohol. A waste product of the ca e sugar mill, known as "base mo-hasses," would be another available source of our commercial alcohol supen e sugar mill known as "base mo-hasses." would be another available source of our commercial alcohol sup-ply. Millions of gallons of this pro-duced in all the Central and South American countries and the West In-dies are now largely burned, fed to animals or destroyed, although a por-tion is dumped on our shores at almost any price above freight. At New Or-leans, Boston and Brooklyn it is be-ing worked up into inferior butors. The alcohol made from it has a dis-agreenble odor and taste. But if re-pulsive matter must be added to 't pulsive matter must be added to 't to make it undrinka' and tas-free inder the new bill, it will serve as under the new bill, it will serve as well as any other alcohol thus mann-factured for power, heat and light. Already in Cuba such alcohol from this base molasses is being made at 10 cents per gallon. The base mo-lasses itself can be had at Now 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 mil-lion gallons of absolute alcohol. But lion 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 of wood, wonder where we shall turn next for power, heat and light-whether we shall harness the moon with tide motors or the sun with colar engines! Moreover, the production of eastern petroleum is falling off and practically no gasoline is being found in the petroleum of Texas and the West. And yet, according to Dr. West. And yet, according to the the sequence of this is always finished with a band of the or embroidery. The empire form is, of course, very The empire form is, of course, very the of the sequence of the sequence of the sequence of the sector woman stood at my side. 'He is de-the or chemises, but, while with tide motors or the sun with colar

Wiley, our formers can grow any amount of starch and sugar that may be wanted for any purpose in the world and not a pound of it would take one element of fertility from the ROL

CO-OPERATIVE DISTILLERIES.

That the farmers in all corn-grow-

THE MESSAGE.

said Raleigh. That is

in the next ro out kept on atting noise

the his is a far away look mancy, of dawning joy. If is nothing at all," I repeated. "I do not understand what is the matter with you. Tell me.

with yon. Tell me." "Oh, never mind." he answered, "but surely you heard it as well as I. Dida't you?" "Well, then, the time has come. For hours, days, years, I have expected it, have ofttimes longed for, and still, now, when it has come, it seems hard to leave this world so suddenly." "Nonsense," I mid, "what has the alarm clock to do with your denth?" He looked at me with the same woo-derful expression in his eyes, and In the new Paris lingeris, the fushion is to have sets of chemise, drawers and short petiticont of the same material and type, and all trimmed in the same manner. Nain-sook and very fine batiste are the ma-

derful expression in his eyes, and

being for the time abandoned. There are two new fabrics called silk nain-sook and silk chiffon, both cotton, but of very fine weave, and which do not "Woll, I will tell you what I have never told any one before." "You remember that Lorn died three years ago." "She died at exactly twenty-three

of very line weave, and which do not lose their glossy appearance in wash-ing. These materials have much the appearance of silk and in garments made of them lace is profusely used. The lace composes much of the upper portion of the chemise and the sleeves which are of bell shape reaching al-ment to the albow. These are open "She died at exactly twenty-three minutes of five in the afternoon. Look at your watch and see what time it 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. even my dearest friend. How should 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 cyss. "You know how her father hated me and why. But she loved me as I loved her, and so we 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 hap-pened a feeling of deadly terror over-powered me. I rushed to her home, 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. wooned away.

When I came to my senses again was here. How I got to my rooms I do not know, but I do know that she

cebag.

"Now you have heard it just as I The clock has called and I must did. g0.

"But, Raleigh--" I began

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

He reached engerly forward, as if to 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 coming, I am coming, my darling." A tremor went through him and he was dead.—The Oklahoman.

FRECKLES

" Vincieus" Potato lieid +ra

A special to he necord-lierald says ins, a frand order has been isothed against the Vineless Potato Company, of Fusitman, III. The company adver-timed to sell territory or individual regars for a vineless potato, which would grow in bins above ground is sixty days. After investigations by the departments of Agriculture, Jus-tice and Postoffice, the fraud order was issued and W. D. Darud, discorwas issued and W. D. Darst, discov-ever of the wondsrful process, will be excluded from the use of the mails. excluded from the use of the mails. He proposed in reply to inquiries pro-voked by his advectisement to license for \$25 any individual to grow vine-less potatoes, and said that for \$100 he would sell unlimited territory. He also offered "potatine" at \$4.50 a pack-age. Because his "potatine" was merely sulphate of potash, worth 25 cents, and his vineless potatoes worth-less commercially, the order was issued. saued.

Need Pure Food Law.

Need Pure Food Law. In the Philippine Islands some of the Chinamen are extremely clever at swindling, one of their tricks being to remove whikkey from a bottle and sub-stitute an adulteration without break-ing the seal. They do this by soaking off the label and drilling a tiny hole 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.

Э Then the Cook Cut In.

The cook was going. "How shall I word this recommenda-tion, Marie?" her mistress asked. "You know I can't touch upon industry, and on the question of neatness the less said the better, while as for culinary akill-

"Well, ma'am," the cook cut in, "sup-pose 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.

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A NEW UNDERGARMENT

ared (or undrinkable) alcohol

he internal revonue tax.

Colors in Blouses Ver Especially the "

SOME NEW PARISIAN LINGEP

tertais usually employed for their con-truction, the mode of silk underwear

most to the elbow. These are open

nearly to the shoulder over the fore arm, where they are loosely tied with a succession of ribbon hows. In lin-a succession of ribbon hows. In lin-a succession of ribbon hows. In lin-a succession of ribbon hows, and "'Lora,' I cried. She turned to me "'Lora,' I cried. She turned to me and said: 'Walt for me, dear, the clock and said: 'Walt for me, dear, the clock

fashionable for chemises, but, while it is a pretty cut, it needs to be made set. Most chemises now-a-days are shaped in under the arms so as to do

away with this extra width at the walst-line. A pretty finishing to take the place of sleeves and shoulder parts on a garment to be worn with decollette dress, consists of ribbons which tie on the shoulders and may be untled and slipped beneath the bodice

when worn with the evening gown. The Japanese nightgown of quite loose cut is a decided novelty. This 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 of insertion starts at the toth of the tucks gown, passes by the side of the tucks

well as the grain—and the waste pro-ducts of our molasses factories may run our engines, cook our meals, heat and light our homes. The present fax and hight our hones. The present tax of \$1,10 per gallon on commercial al-cohol renders its use for power, fuel and light absolutely out of the ques-tion, although for these purposes it can be manufactured at less than 10 conta a gallon. At this put it is that 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

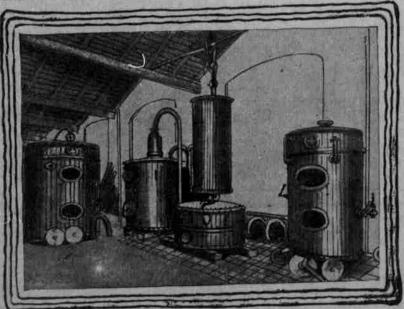
upon its passage. The white potato can readily heat, light and furnish power for our Northern states; the sweet proto, farm and conveyance and banish from the home the chill of winter or the blackness of night. Such is the state-ment of Prof. H. W. Wiley, Chief of the government's bureau of chemistry. Sugar and starch, when fermenting, yield about half their weight in a so-lute alcohol. About on.-fifth the weight of potatoes, nearly three-quarters the weight of corn and al-

OLD-FASHIONED SOUTHERN SUGAR MILL. Northern states; the sweet per to, the yam and the waste from the molasses factory can do the same for the latter is taken into consideration. But corn stalks if harvested before West her waste and under a constally have a states of the S00,000 farmers of his our southern states, while in the great they dry out contain large quantities West the sugar beet and Indian corn can turn the weeels of the factory, farm and conveyance and banish from the bar conveyance and banish from organization. These co-operative dis-tilleries would be "nder close government supervision, and the alcohol would be rendered unfit for beverage purposes before leaving the distillery warehouse. In this way the cost to the farmers of this material for lightng, heating, cooking and motor fuel ourposes could be kept at the lowest point In Great Britain alcohol made un-

ALCOHOL FROM CORN AND

. STALKS.

P



A GERMAN CO-OPERATIVE DISTILLING PLANT.

most one-sixth that of the sugar beet are these fermentable sugars and starches. POTATO A GOOD ALCOHOL MAKER

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 sacks of sliky batiste or nainsook are being constructed. These are entire-ly accordeon pleated, except for a porion 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, battste or mousseline de soie. This is made without sleeves and drawn in about the walst with a tape to adjust the ful-ness in front. These are designed to be worn with lingerle suits of which a long or short jacket forms a part. Lingerle petiticoats are of increasing daintiness. They are for the most part

daintiness. They are for the most part claborately trimmed, the top portion being of sheath-like cut and fitting without a bit of fulness. They are completed with broad flounces of Some of tucks, embroidery and lace. 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?

One More on Mary.

Just thirty years ago; The chops we had for lunch to-day

Were from that lamb, we know.

The Pope's Wardrobe.

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

I hear her step upon the stair, Ah. Fortune, now disclose! My lady comes; stand still, my heart! Whose violets are those? ohol engines, alcohol automobiles, alcohol motor boats, alcohol f rm motors, alcohol lamps and alcohol

ALREADY SUCCEEDS IN EUROPE.

drinkable by the addition of 5 per

f wood alcohol and a much smaller

old freely without tax. Since 1887 fermany also had untaxed alcohol for

Germany also had natived alcohol for industrial purposes. France, witzer-land, Holland, Belgium, Italy, Russia, Sweden, Norway, Austria-Hungary, Portugal and six Latin-American re-publics exact no tax on this "dena-uead" elected already recarded as

tured" 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 al

stoves.

oportion of mineral neptha is now

Germany has far surpassed in all these inventions, which were largely From Technical World, "Mary had a little lamb, nothered by necessity, for the fatherland has no natural gas or petroleum. But its broad sandy plains produce heap and abundant crops of potatoes. from which every farmer n manu-facture a vast quantity of raw alcohol. Inventors and scientists have been busy with improvements in farm distilleries. A large number of women are em-ployed at the Vatican solely in keeppotors, lamps, cooking and heating apparatus. Their "spirit motors" are being turned out in all forms-unmotors. ing 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 freshright and horizontal stationary, por-table and locomotive. Alcohol locostarches. POTATO A GOOD ALCOHOL MAKER. The potato will be our chief source of this undrinkable commercial alco-bol. A good yield of potatoes 970 bushels—will produce 255 gallons of such foel for running automobiles; for

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ALC: A

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