ficent results predicted from the pass-age of the bill removing the tax from lons of alcohol. We now raise po-SUGAR BEE 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 the particularly the farm, and the home. table, independent of their yield per No other work of the Fifty-ninth Congress, not even excepting the railway many more bushels per a than 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 come to pass. "Alcohol," says the Philadelphia Record, "might be disstilled from potatoes in quantity sufficient to light, heat and supply power to all the Northern States of the Union,

Should even a portion of the bene- heating, cooking and lighting. A bush- alcohol is extracted will pay the cost

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 American countries and the West Inkerosene and gasoline. This alcohol distance from market. It does not dies are now largely burned, fed to would be incapable of use as a bevertion is dumped on our shores at almost age. To the dwellers in the country, they can be used as a source of heat, any price above freight. At New Orparticular, such a development light and power, factories wil spring leans, Boston and Brooklyn it is bewould be of instant, universal and in- up in country neighborhoods where ing worked up into inferior liquors The alcohol made from it has a disagreeable odor and taste. But if repulsive 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, beat and light. Already in Cuba such alcohol from this base molasses is being made at 10 cents per gallon. The base moasses 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 mil lion gallons of absolute alcohol. But this by-product of our beet sugar fac tories 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 ext for power, heat and lightwhether we shall harness the moon



That the farmers in all corn-growing sections of the country should furnish 130 gallons of absolute alcohol; establish co-operative distilleries for the sole purpose of producing this de-natured" industrial alcohol, is the a bushel of corn, two and four-nifths gallons. An acre of potatoes thus

gractically no gasoline is being found

n the petroleum of Texas and the

West. And yet, according to Dr.

Wiley, our formers can grow any

be wanted for any purpose in the world and not a pound of it would take one element of fertility from the

nount of starch and sugar that may

SUGAR BEETS AND MOLASSES.

An acre of sugar beets will produce

224 gallons of alcohol. Our vast irri-

gation projects in the West are water-

OLD-FASHIONED SOUTHERN SUGAR MILL.

Northern states; the sweet pr' to, the yam and the waste from the acre of corn, when only the grain of molasses factory can do the same for the latter is taken into consideration. our Southern states, while in the great But corn stalks if harvested before West the sugar beet and Indian corn they dry out contain large quantities can turn the wneels of the factory, of sugar and starch, enough to pro-farm and conveyance and banish from duce 100 gallons of commercial alcothe 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 the government's bureau of chemistry. billion gallons of this alcohol therefore 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-lifth the ing when we will utilize this im- use weight of potatoes, nearly three- source of energy. According to Dr. quarters the weight of corn and al- Wiley the fermantable material in the

An acre of corn-fifty bushels-will

produces much more alcohol than an proposition of Nahum Bachelder, master of the National Grange, was pressing the passage in the interest of the 800,000 farmers of his organization. These co-operative dis-tilleries would be under close govern-ment supervision, and the alcohol would be rendered unfit for beverage purposes before leaving the distillery varehouse. In this way the cost to the farmers of this material for lightng, heating, cooking and motor fuel surposes could be kept at the lowest a long or short jacket forms a part.

> In Great Britain alcohol made untrinkable by the addition of 5 per f wood alcohol and a much smaller roportion of mineral neptha is now ermany also had untaxed alcohol for weden. Norway, Austria-Hungary, are elaborate with hand-embroidered designs. sublics exact no tax on this "denatured" alcohol, already regarded as one of the necessities of agriculture, are being used many varieties of alcohol engines, alcohol automobiles, alohol motor boats, alcohol f rm I hear her step upon the stair, motors, alcohol lamps and alcohol

ALREADY SUCCEEDS IN EUROPE.

Germany has far surpassed in all and has no natural gas or petroleum. But its broad sandy plains produce heap and abundant crops of potatoes. rom which every farmer n manufacture a vast quantity of raw alcohol. Inventors and scientists have been busy with improvements in farm distilleries motors, lamps, cooking and heating opparatus. Their "snirit motors" are being turned out in all forms-urright and horizontal, stationary, portable and locomotive. Alcohol loco-motives pull trains of a dozen cars on large farms, sugar plantations and

tured (or undrinkable) alcohol back into its original condition would be much more than for making pure alcohol anew, according to Dr. Wiley. He thinks the best method of making it undrinkable would be the addition of ten per cent, wood alcohol and one per cent. of "pyridine," According to the bill as it passed, the denaturing ingredients are left to the discretion of the internal revenue tax.

#### SOME NEW PARISIAN LINGEP

Colors in Blouses Ve-Especially the wints. BERTHA " .VNING.

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. Nainook and very fine batiste are the maerials usually employed for their contruction, the mode of silk underwear being for the time abandoned. There are two new fabrics called sllk nainook and silk chiffon, both cotton, but of very fine weave, and which do not ose their glossy appearance in washing. 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 alnost to the elbow. These are open



A NEW UNDERGARMENT

nearly to the shoulder over the forewith tide motors or the sun with colar arm, where they are loosely tied with was with me and at my side, pale as ngines! Moreover, the production of a succession of ribbon bows. In lin- a ghost, astern petroleum is falling off and gerie garments the square neck is preferred to the round this year, and and said; 'Wait for me, dear, the clock this is always finished with a band of will call you." lace or embroidery.

The empire form is, of course, very fashionable for chemises, but, while it is a pretty cut, it needs to be made icebng." of very fine material cise its straight form will lie in folds beneath the cor-Most chemises now-a-days are go 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 decolette dress, consists of ribbons which ie on the shoulders and may be untied 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 coming, I am coming, my darling."

A tremer went through him and he The Japanese nightgown of quite 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 faunty little dressing sacks of silky batiste or nainsook are being constructed. These are entire ly accordeon pleated, except for a por tion 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 lingerle tea jackets have broad and elaborate collars which reach over the should ers.

Another new comer is the blous 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

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 old freely without tax. Since 1887 completed with broad flounces of tucks, embroidery and lace. Some of and, Holland, Belgium, Italy, Russia, of lace or embroidery, while others

### Violets.

The roses I sent were red, My rival sent her white; manufacture and general industry. My rival sent her white; In these "free-alcohol countries" there My heart is torn with doubt and fear-Which will she wear to-night?

> Ah, Fortune, now disclose! My lady comes; stand still, my heart! Whose violets are those?

One 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 employed 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 freshness. Women are permitted to serve the Pontiff in this one respect only as male attendants are not considered

THE MESSAGE.

"Listen," said Raleigh, and suddenly seized my hand. "That is nothing but the in the next room," 1 80 but kept on P vid, 36 rattling noise, perspiration ... d. Avatue his hand to . . . . . . . . . Nevertheless his a far away look
fancy, of dawning joy.
ft is nothing at all," I repeated. "I

do not understand what is the matter with you. Tell me."

"Oh, never mind," he answered, "but surely you heard it as well as I Didn'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 said, "what has the alarm clock to do with your death?" He looked at me with the same wonderful 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." "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 \$.10W,

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 eyes. "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 hap-pened 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

'Lora,' I cried. She turned to me "'Lora, I cried again, Another woman stood at my side. 'He is de-lirious,' she said. 'We must renew the

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

"But, Raleigh-" I began,

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

He reached eagerly forward, as if to embrace some one, but suddenly fell back into my arms, his face transfigured into the most beautiful ex-

was dead .- The Oklahoman.



FRECKLES REMOVED STILLBAN'S PRECEDE CREAM

"Vincloss" Potato Held Fraud. A special to the Mecord-literald says that a fraud order has been issued against the Vinciess Potato Company, of Purman, Ill. The company adver tised to sell territory or individual rights for a vincless potato, which would grow in bins above ground in sixty days. After investigations by the departments of Agriculture, Justice 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 vineless 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 worthless 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 breaking 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.

#### 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 said the better, while as for culinary Bkill--

"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 en machine. Salary \$308 to start. Write to-day. Offices in El cities. HAPGOODS, Suite 14, 305-309 Broadway, N. Y.

WANTED: A Hundred Firemen and Brakemen on different railroads. Age 20 to 30 good sight and hearing. Experience unnecessary. Firemen the monthly, become Lingtheers and carn \$300 Brake-tion 170 monthly, become Conductors and earn \$100. Positions awaiting competent men, Send stamps for, particulars. Nome position preferred. Ballway Association, Room 63, 227 Monroe Street, Brooklyn

SHIRT WAIST HOLDER EXTRAORDINARY



JOS. BUTLER CO., 17 Battery Place, N. Y. City.

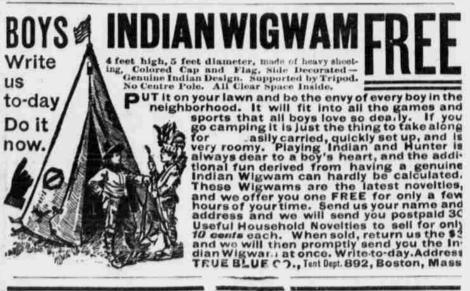
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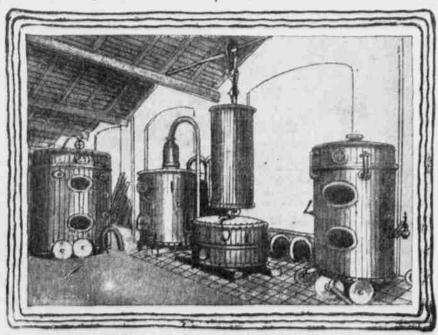
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Co., Koom Ill, 109 Delaware Ave., Buffalo, N.Y.





SUGAR BEETS WILL PRODUCE ALCOHOL FOR THE WEST.

calculable benefit; but to every man, | coal is now expensive, and large greas

no matter where he lives, it would be of potatoes will be grown for their

of some importance." Says the Louis- g test possible yield of alcohol. The

ville Courier Journal, after quo ng the sweet potato and yam would furnish

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 prac-

tically new and vastly beneficial in-

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-

PRODUCTS.

ducts 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 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

cents a gallon. At this rate it can sup-

plant both gasoline and kerosene, than

which it is also safer and much

cleaner. The only opponents of the bill were the wood alcohol and Stand-

ard Oil interests, which would be the

losers. Farmers, especially, insisted

light and furnish power for our

The white potato can readily heat

Potatoes, beets, corn—the staks as well as the grain-and the waste pro-

duction of potatoes.

upon its passage.

WOULD USE UP

whose benefits would be

A GERMAN CO-OPERATIVE DISTILLING PLANT.

POTATO A GOOD ALCOHOL MAKER.

The potato will be our chief source

most one-sixth that of the sugar beet (stalks could be removed by the pressethese fermentable sugars and now used to extract the juice of sugar cane. And speaking of commercial alcohol from corn, it might be of interest to add a statement from Dr. Wiley, that twenty times more nower The potato will be our chief source can be obtained by burning the alcohol of this undrinkable commercial alcohol. A good yield of potatoes—300 self—as has been done in the West of ten miles an hour, carrying tools will produce 255 gallons of in times of coal famine. It is also and apparatus for a regiment of enfuel for running automobiles, estimated that the value of the by- igneers. farm motors and other engines; for products of corn after the in istrial

of these inventions, which were largely mothered by necessity, for the fatherengineering works. The army has had

of ten miles an hour, carrying tools suitable for the work. Only the most delicate materials are used-moire silk in summer and a specially woven fine The cost of converting this dena- cloth in winter.



## PATTERNS. A BECOMING DRESSING SACK

Designed by BERTHA BROWNING.

Simplify is a great factor in the designing of testiful apparel. Some of the most attacking great factor in the designing of testiful apparel. Some of the most attacking great factor of the many decorations are almost unadorned. Here is settled a little dressing sack of white their settled and belt. Four small tacks provide an extra fullness over the bust, the fullness being then drawn down trimity into the belt. A simulated box pleat relieves the back from too much plainness. The design is excellent for home construction, as so little labor is involved in the making. As to materials.—lawn, dimity, a soft silk or chellis may serve. In the medium size 8'g yards of 36-inch

| 4  | serve. In the medium size 3% yards of 36-inch material are needed.   |
|----|--|
| 5  | 6460-Sizes, 33 to 43 inches bust measure.  |
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|    | NAME   |
| -  | ADDRESS  |
|    | CITY and STATE   |
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