

Little Soldiers

In your blood are the millions of corpuscles that defend you against disease.

To make and keep these little soldiers healthy and strong, is simply to make and keep the blood of the right quality and quantity.

This is just what Hood's Sarsaparilla does—it helps the little soldiers in your blood to fight disease for you.

It cures scrofula, eczema, eruptions, catarrh, rheumatism, anemia, nervousness, dyspepsia, general debility, and builds up the whole system.

Out of the Dim Past.

Pitarch was writing his justly celebrated "Lives."

"Of course," he said, "I merely write the book. I leave to a sordid and degenerate posterity the evolution of the book agent."

Making a memorandum to the effect that Mr. Bryan was showing symptoms of a determination to run a fourth time for the presidency, and wondering if he would live long enough to complete the biography of that gentleman, he warmly recalled the grind.—Chicago Tribune.

Mothers will find Mrs. Winstow's Soothing Syrup the best remedy to use for their children during the teething period.

Still Had Hopes.

"Say," queried the wise guy, "don't you ever get discouraged in trying to get something for nothing?"

"Now," replied the granger, who had just invested in his twenty-third gold brick, "I've noticed that other fellers allers gits his that way, an' mebbly in th' course uv time I'll be th' other feller."—Detroit Tribune.

FITS St. Vitus' Dance and other diseases permanently cured by Dr. J. Lee's Great Nerve Restorer. Send for FREE \$2.00 trial bottle and treatise. Dr. R. H. Kline, Ltd., 511 Arch St., Philadelphia, Pa.

Could He Swim?

Tessie—Too bad about Chollie. Jessie—What's the trouble? Tessie—He fell in love with a girl he met on an ocean steamer, but she threw him over.

To Break in New Shoes.

Always shake in Allen's Foot-Ease, a powder. It cures hot, sweating, itching, swollen feet. Cures corns, ingrowing nails and bunions. At all druggists and shoe stores. Don't accept any substitute. Sample mailed FREE. Address Allen S. Olmsted, Le Roy, N. Y.

The Same Thing.

"I'll bet your trouble isn't anything like mine. I've got a sick family." "Isn't it? I've got a fac simile."—Boston American.

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Miss of Mr. T
"Fighting Hub" Evans, during his last stay in Washington, was one evening a guest at a house where he met a number of the younger set of the capital.

As the admiral was leaving he chanced to pick up from the floor a very dainty handkerchief, edged with lace. He was gravely inspecting this "trifle, light as air," when a rather effeminate-looking young man hastened forward to claim it.

"Your sister's, no doubt," said the admiral, as he handed it over.

"Oh, no," said the young man, "it's mine."

Evans scrutinized the young man closely. "Would you mind telling me what size hairpins you use?" he asked, after a pause.

Dom Pedro's Little Joke.

Dom Pedro I., Emperor of Brazil, was one of royalty's strong men. On the occasion of a carnival he arranged matters so that he was standing on the bow of the royal barge between two of his stately courtiers.

Suddenly, in the midst of the festivities the King reached out, grasped a courtier by each hand, and, after holding them for a few moments squirming in the air and begging to be released, he relaxed his grip and allowed them to drop plump into the water, amid the frantic applause of the huge crowd that had assembled to view their monarch. The King joined heartily in the general hilarity; but what the drenched courtiers thought about this exquisite joke is not recorded.

Omitted.

The two old neighbors had met on the street.

"Mornin', Sam," said the first. "I hear your son Bill has got through college successfully."

"Yep," said the other.

"Learn anything?"

"Yep."

"What's he got out of it chiefly?"

"He kin speak seven languages."

"Fine!"

"Oh, I dunno. Trouble is they forgot to teach him any ideas to express with 'em."—New York Herald.

Armor on Warships.

The thickness of armor on modern warships is truly astonishing. The side armor of a first-class battleship usually varies from sixteen and one-half inches thick at the top of the belt to nine and one-half inches at the bottom. The gun turrets are often protected by armor from fifteen inches to seventeen inches thick.

Unparalleled.

There had been a fire in the apartment building, with heavy loss of property and many narrow escapes.

"Were there any acts of conspicuous heroism?" queried the reporters.

"Yes," said one of the victims. "With a self-sabotage never before witnessed in a case of this kind, sir, we all turned in and helped to carry out the piano that was on the second floor."

Had Predicted Greatness.

"How do you like running a street car?"

"It ain't so bad," replied the boy graduate. "However—"

"Yes?"

"I don't think much of our class prophet."—Louisville Courier-Journal.

Legal Note.

A London city man recently wrote to a lawyer in another town asking for information touching the standing of a person there who had owed the Londoner a considerable sum of money for a long time. "What property has he that I could attach?" was one of the questions asked. The lawyer's reply was to the point. "The person to whom you refer," he wrote, "died a year ago. He has left nothing subject to attachment except a widow."—Punch.

Rocky.

Mr. Wiggins, in his study, was endeavoring to concentrate his thought upon a bit of writing. A perpetual noise in the flat above annoyed him beyond human endurance. Rushing into the sitting room, he cried:

"What is that confounded racket?"

"My dear, it is only the lady above rocking her baby to sleep."

"For heaven's sake, run up and tell her to use smaller rocks!"—Judge.

Only a Question of Time.

"George," asked Mrs. Ferguson, "have you written that letter to Aunt Heapy yet to ask her to come and spend the winter with us?"

"No, but I'll not forget it, Laura," answered Mr. Ferguson. "I've cut a notch in my thumb nail, and when I come to it in trimming the nail it will remind me of it."

"May I ask where you cut that notch?"

"Er—at the root of the nail, Laura."

The Pearl.

The pearl is nothing but carbonate of lime, and vinegar or any other acid will eat away the polished surface in a few moments. As for the opal, hot water is fatal to it, destroying its fire, and sometimes causing it to crack. Soap is a deadly enemy of the turquoise. If a turquoise ring is kept on the hand while washing, in a short time the blue stones will turn to a dingy green.

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Stop Coughing!
Nothing breaks down the health so quickly and positively as a persistent cough. If you have a cough give it attention now. You can relieve it quickly with PISO'S CURE. Famous for half a century as the reliable remedy for coughs, colds, hoarseness, bronchitis, asthma and kindred ailments. Fine for children. At all druggists, 25 cts.

CURE



"Have you got an independent fortune?" "No, I'm married."—Cleveland Leader.

Mrs. Knicker—Where do you keep your auto? Mrs. Newrich—In a mirage, of course.—New York Sun.

Jimmie—My ma's gone downtown to pay some bills. Tommie—Pook! The man comes to the house to collect ours!

He—She is such a charmingly innocent girl, isn't she? She—Oh, yes; she has taken years to acquire it.—The Tatler.

Knicker—You know that speech is given to man to conceal his thoughts. Broker—Well, penmanship does it even better.—New York Sun.

She (at the piano)—I presume you are a true lover of music, are you not? He—Yes, I am; but pray don't stop playing on my account.

John, you yawned twice while we were calling on that lady." "Well, dear, you did not expect me to keep my mouth closed all the time, did you?"

Magistrate—If I remember rightly, this is not your first appearance in court. Prisoner—No, your honor; but I hope you don't judge by appearances.

"I've just figured out how the Venus de Milo came to lose her arms?" "How?" "She broke them off trying to button her shirt waist up the back."—Puck.

Weary Walker—I see 500 more men has been 'trown out of work. Tired Traveler—Gee! Dere's gettin' to be too much competition in our business!—Puck.

"The seventeen mothers in the village mothers' club agreed to decide by ballot which had the handsomest baby." "Well, who won it?" "Each kid got one vote."

"Are marriages made in heaven?" "As to that I can't say, but I do know this much—" "What is that, Peleg?" "There's lots of courting done in church."—Washington Herald.

"This watch will last you for a lifetime," remarked the jeweler. "Nonsense!" retorted the customer. "Can't I see for myself now that its hours are numbered?"—London Spare Moments.

Man (to boy at roadside)—What time is it? Boy—Purty near 12 o'clock. Man—Thought it was more than 12. Boy—Nope. Never gets more than 12 in this country. Begins at 1 again.—Judge.

Bystander—Doctor, what do you think of this man's injuries? Doctor (of Irish extraction)—Two of them are undoubtedly fatal; but as for the rest of them, time alone can tell.—Boston Transcript.

"You have a new housemaid, I see, Mrs. Youngwife." "Yes, I got her about a week ago." "How do you like her?" "Very much indeed. She lets me do almost as I like about the house."—London Tit-Bits.

"What diagnosis did the doctor make of your wife's illness?" "Said she is suffering from overwork." "Is that so?" "Yes; he looked at her tongue and reached that decision immediately."—Detroit Free Press.

Mr. Newwed—You never call me pet names now unless you want something. Before marriage it was different. Mrs. Newwed—Oh, no. Before marriage I called you pet names because I wanted you.—London Gentlewoman.

"Jimmie, your face is dirty again this morning!" exclaimed the teacher. "What would you say if I came to school every day with a dirty face?" "Hub," grunted Jimmie, "I'd be too perlitte to say anything!"—Circle.

Mother (in a very low voice)—Tommy, your grandfather is very ill. Can't you say something nice to cheer him up a bit? Tommy (in an earnest voice)—Grandfather, wouldn't you like to have soldiers at your funeral?—London Tit-Bits.

"I'm sure," said the reveler, "the public would be interested to know the secret of your success." "Well, young man," replied the captain of industry, "the secret of my success has been my ability to keep it a secret."—Catholic Standard and Times.

"I'm afraid I'm catching cold," said Kloseman, trying to get some medical advice free. "Every once in a while I feel an itching in my nose, and then I sneeze. What would you do in a case like that, doctor?" "Well," replied Dr. Sharpe, "I guess I'd sneeze, too."

The mother of a conscientious little miss, wishing to rid her of the fear of some crows in a field through which she had to pass, told her to go right by and pretend she didn't see them.

"But, mamma," protested the small maid, "wouldn't that be deceiving the crows?"

"How did those two ever come to marry each other?" "Well, she was the only woman he ever knew who would listen to his anecdotes over five minutes at a time, and he was the only man she ever knew that could look at her that long without getting neuralgia."—Puck.

A physiologist came upon a hard-working Irishman toiling, bareheaded, in the street. "Don't you know," said the physiologist, "that to work in the sun without a hat is bad for your brains?" "D'ye think," asked the Irishman, "that O'Id be on this job if O'Id and any brains?"

DENATIFIED ALCOHOL.

Oregon Agricultural College Gives Information on This Subject.

By C. E. Bradley, Oregon Agricultural College, Corvallis.

On June 7, 1916, congress passed a law removing the internal revenue tax of \$2.07 per gallon on grain alcohol which had been properly denatured or rendered unfit for drinking purposes by the addition of certain materials, such as wood alcohol, benzine or pyridine. It was hoped that by the removal of this tax alcohol could be obtained cheaply enough to compete with petroleum for light and fuel. The demand for such alcohol can be readily seen when we note that approximately 3,000,000 gallons of gasoline are consumed daily in the country and that the increased demand for it, due to the development of the modern explosion motor, has doubled its price in the last two years. Indiana and Ohio oils contain only about 5 per cent of gasoline and the per cent of the lighter distillate in California and Texas crude oil is very low. The supply of gasoline therefore seems to be limited, but the demand increasing. Alcohol, it has been demonstrated, can meet this demand. Furthermore, the annual consumption of kerosene in the United States approximates 1,000,000,000 gallons, three-fourths of which are probably used by the farmers. Since one gallon of alcohol is equivalent to two gallons of kerosene for lighting purposes, 575,000,000 gallons of alcohol could be used on the farms of this country each year. This would require for its production 140,000,000 bushels of corn, or 5,000,000 acres, an increase of 5 per cent over that now grown. If made from potatoes, this 575,000,000 gallons of alcohol would require 450,000,000 bushels, or 5,000,000 acres, an increase of 60 per cent over that now produced. The present consumption of alcohol amounts to but 16,000,000 gallons per year.

Ethyl or grain alcohol is a natural product, formed by the fermentation of various kinds of sugar through the agency of yeast organisms. Since starch is readily convertible into sugar by either natural or artificial means, materials which contain notable quantities of either starch or sugar may be utilized for making alcohol. The more important sources of alcohol are the cereals, potatoes, molasses and fruits. In France alcohol is chiefly made from the sugar beet, in Germany from the potato, and in America from corn. A bushel of corn will yield approximately 2 1/2 gallons of 95 per cent alcohol; a bushel of potatoes three-fourths of a gallon and a bushel of apples one-third of a gallon.

In the large distilleries it costs about 17 cents to manufacture and place on the market one gallon of alcohol, and the cost of the raw material used brings this ordinarily to approximately 30 cents. Allowing for the necessary alcohol to reach the consumer at about 40 cents per gallon. But alcohol at 40 cents can compete with kerosene at 24 cents for lighting purposes, since alcohol has twice the illuminating value of kerosene, and in competition kerosene can never demand more than one-half the market price of alcohol.

For making cheap alcohol a cheap concentrated raw product and a well-equipped plant are necessary. The plant should have a capacity of at least 100 gallons per day, the cost of such a plant being in the neighborhood of \$10,000. No such plant can operate successfully on waste products alone, especially if such are to be obtained for only a brief part of the year, as for example, waste fruits. There must be some more staple product as a basis, with the waste materials handled as a side issue. For a staple in the Northwest we must look to potatoes or sugar beets, and damaged grain when it can be secured, on which materials, together with various waste products, a plant could be operated throughout the year.

Because of the persistent inquiries relative to the merits and demerits of the wheat known locally as "Alaska," the Idaho experiment station has given the wheat a milling test and subjected the flour so obtained to chemical examination and baking tests. The results of these tests, together with such other information concerning the wheat as could be gathered from reliable sources, have just been published in bulletin form.

The wheat is apparently of the same variety that is known in southern Europe as Poulard, or Egyptian. It is used there for making macaroni and other pastes, and the flour made from it is said to be in demand by certain French markets.

Under field conditions the wheat has not made any phenomenal yields, averaging this year perhaps no better than ordinary winter wheat. The kernels are large and plump and compare favorably in appearance with much of the wheat that is raised in northern Idaho; because of their size and shape they are easily broken, however, and care must be exercised in threshing to prevent this.

The results of the milling tests show that no particular difficulty is met with in grinding the wheat. The flour secured is described as sharp and granular, and is capable of making an excellent quality of biscuits, muffins, cakes, etc. When made into light bread, color, flavor, texture and size of loaf were noted. In color the bread was darker than that baked from Turkey red, but decidedly lighter than that baked from little club flour. Flavor and texture were pronounced good. In size the loaves were inferior to those baked from Turkey red, but compared very favorably in this respect with those baked from little club flour. The bulletin may be secured by addressing the Experiment Station, Moscow.

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