

(CONTINUED FROM FIFTH PAGE.)

Mr. Charles Everett of St. John is in town registered at the Windsor.

Rev. Mr. Foote, missionary from Corea, will preach in the Presbyterian church on Sunday. It is said his accounts of missionary life in that far away country are most graphic and interesting.

Miss Mary Newton has gone to Boston to return home with her mother Mrs. Charles H. Newton, who has been very ill in that city.

General and Mrs. B. B. Murray entertained at dinner one evening last week a party of gentlemen friends from Machias, who have been in Calais for several days attending the Washington county judicial court.

On Thursday evening a comedy drama called "Lone Pine," is to be given in the St. Croix hall, for the benefit of the Knights of Pythias.

Mr. and Mrs. Henry D. Pike have gone to Boston for a short visit.

Mrs. Hugh Cullinan and Miss Mary Cullinan left this week for Moncton where they intend to reside. Miss Madeline Sloan has returned from Fredrickton, where she was called, owing to the illness and death of her aunt, Miss Mina Sloan.

Hon. George A. Curran has returned from a visit to New York City.

Messrs. John Clarke Taylor and Frank Field Fowler of Boston, are expected in Calais tomorrow for a short visit.

## Wonderful Mrs. Billtops.

'Mrs. Billtops rarely permits her cares to wring from her any outward evidence of disturbance,' said Mr. Billtops, 'but she does occasionally, and I'm glad of it. I'd hate to have her absolutely perfect, for then she would seem too far removed from me. But now and then she shows that she is but human after all. As, for example, this morning when, after listening to a million requests from the children and doing fourteen thousand things for them, the whole situation complicated with some request from me that might better have been put off till another time she exclaims:

'This family will drive me to distraction yet.'

'It is too bad that she should be so bothered, but it is a sort of relief to me to hear her say that. It is a time-honored phrase, and to hear her speak it proves that she is not above the need of our sympathy and thoughtful care, and she shall have them both.'

'Oh, but they are a bothersome lot, those children.'

## Portable X Rays Apparatus.

A portable X-ray apparatus intended for use in war has just been completed by Professor Reginald A. Fessenden, of the Western University of Pennsylvania says the Scientific American. It is stated that the new machine will be about as large as a Webster's dictionary, and will weigh only 25 pounds. It will be operated by a small gasoline motor or gas turbine which will not weigh more than 25 pounds. The electric generator used is said to be the smallest ever made for practical purposes, yet the outfit will enable surgeons to see clear through the body. It is intended to have these instruments in the various field hospitals.

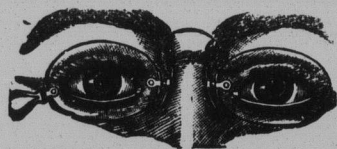
'I suppose,' said the village deacon to the minister, 'that your constant prayer is that you may ever be poor and humble.'

'Not exactly,' replied the minister. 'I pray that I may remain humble, but my congregation attends to the other part of it.'

'Is there any portion of the fowl you prefer, major?' asked the hostess, blandly.

'The left wing, if you please.'

'Yes,' retorted the major, gazing dubiously at the platter. 'I believe it is always good military tactics to bring the left wing of a veteran corps into action.'



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## FACTS ABOUT HEALTH

It is Easy to Keep Well if We Know How—Some of the Conditions Necessary to Perfect Health.

The importance of maintaining good health is easily understood, and it is really a simple matter if we take a correct view of the conditions required. In perfect health the stomach promptly digests food, and thus prepares nourishment. The blood is employed to carry this nourishment to the organs, nerves, muscles and tissues which need it. The first great essential for good health, therefore, is pure, rich blood. Now it is certainly a fact that no medicine has such a record of cures as Hood's Sarsaparilla. It is literally true that there are hundreds of people alive and well today who would have been in their graves had they not taken Hood's Sarsaparilla. It is depended upon as a family medicine and general regulator of the system by tens of thousands of people. This is because Hood's Sarsaparilla makes the blood pure. This is the secret of its great success. Keep your system in good health by keeping your blood pure with Hood's Sarsaparilla, which absolutely cures when other medicines fail to do any good whatever.

Hood's Pills are the only pills to take with Hood's Sarsaparilla.

## SEARCHLIGHTS FOR WAR USE.

Hundreds of Them are Needed for Coast Defense.

Our readers have become quite familiar with the statement made in dispatches that the rays of the searchlight were directed here and there about different harbors, and points being watched and patrolled by war vessels, and they have come to realize that the searchlight is an important aid in determining the location of an enemy at night, or making it possible to pierce the darkness and ascertain whether a passing craft is an enemy or a friend. It has also been stated that the U. S. Government was short of the mirrors for searchlights, and that, all told, there were only about 400 available mirrors in France and Germany and England, entirely overlooking the fact that mirrors for searchlights are now made in Rochester, N. Y., where there is a plant which turns out the finest kind of work. In fact, this company, the name of which is familiar to most camera users, is now turning out eight of the big lenses a week. This company is the Bausch & Lomb Optical Company, and it is under contract to make 200 searchlight mirrors for the U. S. Government. The officials have expressed the greatest haste for the mirrors, and the plant is running night and day on the hurry orders. Considering the character of the process the number that is being turned out every week is remarkable, as it usually requires three weeks' time to finish a searchlight mirror.

The principle of a searchlight is the gathering of the rays of a powerful light by means of a lens so that the rays shall be parallel and can be directed straight upon any object. Without the reflecting mirror, the rays are diffused in all directions. It is the mirror that collects and concentrates the rays in parallel lines. The larger the mirror the greater is the number of rays so collected and concentrated. Until recently what is known as the margin lens has been used for searchlight mirrors. This is ground on a simple curve and controls the rays to a great extent. However, it has been the aim for years to produce a lens on a parabolic curve, as that will concentrate the rays of light to a much greater degree. After some years of experimenting, machinery has been perfected by means of which the parabolic lens is now produced, and it is this superior lens that the United States is now using in its searchlights. This lens is superior to all others, and it is made by only the one firm in that country. The specially prepared glass comes from the manufacturers in Europe in the rough shaped like a kettle lid. Those now being made are 30 inches in diameter. The surfaces are ground to the requisite curve and then polished after which they tested. When all is found satisfactory the silver back is put on by electrolysis and this back is covered by an opaque substance, generally vulcanite. This is the process roughly described, but it does not give an accurate idea of the delicacy and the exacting carefulness involved, all of which is carefully guarded from the public. Many thousands of dollars and the time of skilled workmen have been given to perfecting the process.

Even the silvering of these searchlight mirrors is a matter of the utmost importance because of the great strain to which they are to be subjected by the heat of the large carbons now used. So perfect has this silvering process been made in the United States that experts now assert that the silvering of the Rochester-made lenses is superior to that even of the famous French plate-glass mirrors. Not only are many vessels being fitted with these lenses, but coast fortifications along the ocean are being supplied. In some of the coast defenses 36-inch lenses are to be used. Each searchlight has a telescope finder attached to it.

While on this subject, it may be remarked that binocular telescopes play very important parts in modern naval warfare.

By means of them one may literally 'see around a corner.' Projecting the little instrument above the rampart, the naval officer need not expose his head to the enemy's fire, and yet may see as distinctly and safely as the theatre-goer with his opera glasses.

## Cadet Grant's Self-Control.

Even when a cadet, General Grant was as free from agitation in an emergency as that self possessed woman of whom Alexander Pope wrote. "A mistress of herself though china fall." An amusing story, told by a classmate at West Point, and quoted by J. G. Wilson in his memory of the great commander, displays his imperishable gravity under the most trying circumstances.

One morning when four squad was marching to the academic hall to recite, Frank Gardner produced an old silver watch that was apparently four inches in diameter. It was passed along from one cadet to another to look at, and when we arrived at the section-room door it was in the hands of Grant. He could hide or carry it only by putting it in the breast of his coat.

When the section was seated, Zealous B. Tower who that day heard the recitation sent Grant and three other cadets to the blackboards. The weather was mild, and the room door open. When Grant had turned from the board and had begun to demonstrate, suddenly a sound resembling a buzz-saw and a Chinese gong burst forth and drowned all proceedings. In the uproar we all laughed aloud with impunity.

"Shut that door!" cried Tower, and that only made matters worse. Fast and furious went the buzz-saw, and louder went the gong. Bang! went something. The noise stopped.

While all this rattling din was going on Grant looked as innocent as a lamb, and in the profound silence that followed he began:

"And as I was going to remark, if we subtract equation E from equation A, we have," etc.

I mention this to show how he could conceal his emotions, for it was that alarm-watch in his bosom that caused all the commotion. It had been set to go off and it did go off.

## Imperfectly Understood.

It is unfortunate that some teachers of the young fail to adapt themselves to the perceptions of their tender charges. They are apt to shoot over their heads, as it were, and the effect on the cherubs is anything but beneficial.

At a certain East End Sunday school some time ago the teacher talked to the infant class upon the evils connected with strong drink. The little tots of 4 and 5 listened attentively to a long tirade against the rum demon. Finally the teacher cried:

"Wine is a mocker!"

The children pricked up their ears at the teachers vehemence.

"Wine is a mocker!" she cried again, like one of the prophets of old.

The children looked very grave indeed. "Wine is a mocker!" cried the teacher for the third time, and then she turned and wrote the sentence in big letters on the blackboard.

"Now, children," she exclaimed as she whirled around, "I want you to tell me what wine is."

The little ones looked about vacantly.

"Wine is a mocker!" cried the teacher.

"Now what is wine? first little boy."

The first little boy looked thoughtful.

"Wine is—a marker," he drawled.

"No, no," said the teacher, "Next little boy."

"Wine is—a monkey," he bravely announced.

And then the teacher gave it up.

Braved Death For Her Pet Mule.

Through her efforts to save a pet mule from being burned to death, Mrs. Fred Martin received serious wounds about the head and face. Flames were seen issuing from the barn in the rear of the Martin house. Mr. and Mrs. Martin immediately rushed into the yard in their endeavor to extinguish the flames. It was found, however, that the flames had gained too much headway and Mr. Martin hurriedly called the fire department. While her husband was thus engaged Mrs. Martin heard the mournful bray of her pet mule, which was in the barn at the time the fire started. Without considering what the result would be she heroically braved the flames and forced her way into the barn. Her husband returned, and, missing his wife, came to the conclusion that she was in the barn. He rushed in after her and succeeded in dragging her out into the open air. She fainted at this juncture, and by the time she had recovered the fire had been extinguished and nothing but the charred remains of the mule were left. A physician was called and her injuries were given attention. It was found that her face, head, and shoulder were badly burned and that she had evidently inhaled considerable smoke.—Kentucky Star.

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## Friendship for Friends.

The dogs of Constantinople are the scavengers of the city. For this reason, as well as from innate humanity, the Turks are tolerant of them, although visitors to the city find them unamiable. As a proof of their intelligence and recognition of friends, Major Johnson relates an experience of his own. One evening I was walking with an English officer, when a dog came up and licked his hand. He told me to notice that she would follow us to the boundary of her district, as he had once petted her and she had never forgotten it. Exactly as he had said, she followed us a little way, and stopped short in the middle of the street. She wagged her tail and looked wistfully after us, but did not stir when we called her. A few nights afterward, returning alone to my hotel, I passed the same spot. When I suddenly felt a cold nose put into my hand and a tongue licking my palm. I looked down and saw the same dog. She had recognized me as having been with her friend, the officer, and as before, she followed me to the boundary of her district.

## Bucksaw For a Banker.

Herman Kaulia, a bookkeeper employed by a Meridian street jobbing firm, has sent his father, who is president of the Royal Bank of Stuttgart, an old-fashioned bucksaw. Several years ago Mr. Kaulia's physician recommended that for exercise he use a saw every day. In Germany the bucksaw is unknown, the single-handed one being used altogether. In some manner Mr. Kaulia heard of a saw the use of which required both hands. He ordered one in Stuttgart, and the dealer sent him a cross-cut saw. An Indianapolis gentleman travelling in Germany called on Mr. Kaulia about the time he was trying to get a saw that suited him. He told him about the bucksaw, and when he returned to Indianapolis he related the circumstances to his son. Yesterday the son purchased one, and it was started on its journey to Germany.—Indianapolis Sentinel.

## She Found Out.

It was at the busiest hour of the day and the busiest place in all the store was the lace department, says the Washington Star, in telling the incident. Four eager women were waiting. The fifth woman had the only saleswoman at that end of the counter, and was looking at lace, real lace. I think she must have examined a dozen pieces.

"Haven't you something wider?" she asked.

"Certainly," answered the tired saleswoman, dragging out another box. "This is fifteen dollars a yard."

The eyes of the fifth woman glinted. "Yes," she said to her companion, "that's like mine. I just wanted to know what he paid for it. That's all."

And she sailed out of the shop. Not one of the four women waiting found a word to say but the saleswoman gasped, Well, I never!

## Prima Facie Evidence.

A certain learned judge, famous for his brogue and his wit, was asked by a jurymen what was prima facie evidence. The Judge replied in his broadest Hibernian: "Supposin', me good man, you were goin' along a road an' you saw a man comin' out of a public house—supposin' you saw him drawin' the sleeve of his coat across his mouth, that's prima facie evidins that he was after havin' a drink."

Mr. Goodfellow (waiting for Miss Beut to appear)—"Wasn't Mr. Van Nice here last evening?" Miss B.'s little brother—"Yep." "Do you know he's a rabid socialist?" "Yep. You jest ort to see how social he is with sister when he gets her alone. Yum! Yum!"

Mamma—"Did you see Willie take my blackberry jam, Margaret?" Margaret (whose mouth shows evidence of her having received some of it)—"I think, mamma, I must be like some of the folks in the bible that have eyes and see not."

## Discovering the Unseen.

The most remarkable bit of calculation ever done by human being is that attributed to the famous British astronomer, Prof. Adams. The scientist had observed certain peculiar perturbations of the planet Uranus. He could explain the phenomenon only by the presence of another great planet, unknown to science somewhere in the heavens. Then began the "figuring" referred to. When the calculation had been completed Dr. Galle, of Berlin, pointed his big telescope at the place in the heavens indicated, and the gigantic planet—Neptune—sixty times as large as the earth and 2,500,000,000 miles away from it. Scientific achievement like this seems so border on the supernatural.

## London Idea of American Manners.

In an article describing the ladies billiard saloon of the Waldorf-Astoria hotel in New York the London Globe enlightens its readers with the following veracious observation: "If a man should be so bold as to remove his coat, an attendant instantly hands him a lounge jacket. All present shut their eyes and do not open them again until the ringing of a bell announces that the shirt sleeves have been covered."

## Gold in South Africa.

South African gold mining companies last year took out \$55,472,000 in gold, of which 80 per cent. was obtained in the Witwatersrand district. The greater part of this amount was produced by a few companies which paid enormous dividends, ranging from 10 to 50 per cent. and in two instances 100 per cent of the capital.

## Mr. Ashbury Peppers.

"A shifty glance," said the oracular boarder, "is a sure sign of a dishonest character."

"In other words," said Ashbury Peppers, "the man who always looks round is never square."—Cincinnati Enquirer.

Mistress—Why were you dismissed from your last place? Up-to-date Servant Girl—Well, I like your inquisitiveness! Did I ask you why your last girl left you?

Jack Potts—What will you charge to make a good stout poker trunk? Trunk maker—What do you mean by 'poker trunk'? Jack Potts—One that holds four trays.

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