

## YOUNG FOLKS

### A Hot Day in School.

The hottest part of the whole summer came, that year, in early September, but school opened just the same. It seemed to Dan Merritt that they might arrange to put off the opening day for one little week, but what do school committees and teachers care for hot weather?

Anyway, the bell rang, and Dan had to start for school with the others. The heat was bad enough in the morning, but after recess it seemed much worse, especially as Dan had been playing leap-frog in the glaring sun. He had something to be thankful for, however. His seat was in the back part of the room, and through the open window near by he could see big elms and far stretches of green fields with a glimpse of a blue lake in the distance. How much more interesting it was than the open geography on his desk! Just behind him, on a little stand a bowl of water in which a pair of goldfish darted to and fro.

"My!" thought Dan with a sigh. "How cool and comfortable they look!"

Then his glance strayed through the window to the lake that sparkled far off.

"Just think!" he mused. "I was over there only yesterday. It seems a year. If I were only there now I could have a lot more fun than a goldfish has, and be just as cool."

He tried to study his geography lesson—but what was the use? He sighed heavily, and ran his fingers through his damp hair. Then he looked out the window again. Suddenly an idea came to him.

"I'll do it!" he said to himself. "I'll just slip out of that window and go over to the lake! I can't stand this any longer."

It proved surprisingly easy to do. No one seemed to notice him when he left his seat. He was very quiet about it, and the teacher was busy at the blackboard. From the window he dropped to the ground, and then he flew across the fields to the shore of the lake.

He knew every foot of that shady shore. There was one spot where two hemlock trees grew close together. It was there that he usually took off his clothes, but to-day he did not stop for that. He ran straight to the sandy beach, beyond the hemlocks, and plunged, clothes and all, into the cool water.

Then a strange thing happened. Dan had always liked the water, but suddenly he found himself more at home in it than ever before. Not even the goldfish in the bowl could dart round more easily and gracefully than he did. In fact, he had a feeling that he was turning into a fish himself. He started to dive to the bottom, but something went wrong. Crash! Bang! The water was choking him!

Then Dan woke up—for his trip to the lake was only a dream. He was in a heap in the aisle beside his desk. His geography and the shattered goldfish bowl were beside him, and the water from the bowl was dripping on him. The other pupils were staring at him from their seats and the teacher was hurrying down the aisle with a startled look on her face.

Almost before Dan could scramble to his feet, the teacher gathered up the little goldfish from the floor and placed them safely in a dish of water. Then she asked Dan how it had happened.

"I'm not quite sure," answered Dan, honestly enough. "I was studying the geography lesson, but I guess I fell asleep. Anyway, I thought I was swimming in the lake."

How they all laughed! And the teacher too, for in her heart she could not blame Dan for a nap on such a hot day. And when she dismissed school a little later, she made them all glad by telling them that there would be no more school until the heat wave had passed—YOUTH'S Companion.

**DISCOVERY OF CHLOROFORM.**  
Edinburgh Doctor First Experimented With it on Himself.

The recent death of Sir Alexander Simpson, the famous Edinburgh doctor, brings to mind the wonderful discovery of his uncle, Sir James Simpson, his predecessor as professor of midwifery in the chair of Edinburgh University, says the St. Paul Express.

Sir James, if not actually the discoverer of chloroform, was, at any rate, the first to introduce its employment as an anesthetic into surgical practice. This was in 1846.

Previously all operations were performed without anesthetics, the patient being drugged with whiskey and held down by strong men while the operation was performed.

Sir James is generally given credit for the actual discovery of chloroform, but it is stated in some works previous to his first experiments by an American doctor named Guthrie and by a French physician named Souberian. In any case it was Dr. Simpson who proved its great value as an anesthetic, and the room in which he made his first experiment still exists in Edinburgh.

The story goes that he tried the chloroform on himself and two medical friends. They proved its efficacy by simultaneously falling beneath the table.

## "Meat Prices Will Not Come Down" is the cheerful news from the Department of Agriculture.

Meat prices will not worry the man or woman who knows that a **Shredded Wheat Biscuit** will supply more real body-building nutriment than beefsteak or eggs and at much less cost. Shredded Wheat remains the same price, the same high quality, supplying all the nutriment a man needs for a half-day's work. Two shredded wheat biscuits with peaches and cream or other fruits make a complete, nourishing meal at a cost of not over five cents.

Made in Canada

### A HORSE REFORMATORY.

Place in England Where Wicked Animals are Tamed.

A friend in England sends us this story: "One result of the war is the establishment of a reformatory for wicked (?) army horses."

"One of these horses was called Crippen, but the Camden Town owner of that name was a saint by comparison with him, according to the soldiers who tried to tame him."

"Crippen had killed one soldier who had tried to saddle him, and was sentenced to be shot."

"That sentence was commuted to one of detention in a horse reformatory. In this reformatory, near Shrewsbury, the horse criminals, under the care of Lieutenant Rimington, become in time so docile that they will eat sugar out of a lady's hand."

"Crippen met his equals at the reformatory. Vicious, sullen horses, horses that looked like villains and acted as such, roamed about the paddock when Lieutenant Rimington walked, like a Daniel, into the lions' den and the animals at once became 'quiet.'"

"The officer carried neither stick nor whip. He understood horses, and, apparently they understood him. They owe their lives to him, and seem to be aware of the fact."

"Anyhow he is soon on Crippen's back, and Crippen is buckjumping in fine western style. Neither stick, whip, nor spur is used to tame him, but turned he is, in very short time, like the rest of the savage Simons who have been condemned for murderous practices."

"The Shrewsbury horse reformatory, through which hundreds of vicious horses have passed, has proved such a success that the whole process of taming the animals has been filmed, under the title of 'Reforming Army Outlaws,' and will shortly be seen in Wardour Street, where the picture is sure to win the approval of all lovers of horses."

While the vast majority of vicious horses are undoubtedly made so by those who have handled them, a horse is occasionally born with a stubborn, perverse, and ugly disposition. Even in such a case we do not question heredity plays a large part, and the bad disposition may be due to a sire or dam spoiled by an owner or trainer.—F.H.R., in Our Dumb Animals.

Most men admire the nonsense of a pretty woman far more than they do the sense of a homely one.

Most men would be satisfied to do nothing if they could get paid for doing it.

**THE EARLIEST SUBMARINE**  
An Englishman Devised the First "Diving Machine" in 1774.

In the development of the modern submarine the first and most important problem which demanded solution was that of supplying the occupants of the craft with sufficient quantities of air. All other problems were secondary of this, and when the means of compressing air and storing it in tanks was discovered the rest was comparatively easy.

Every schoolboy now knows that air is necessary to sustain life, but what is now a matter of common knowledge was a secret to savants not so very long ago. It was the lack of this simple information which cost the life of the inventor of the first submarine, John Day, an Englishman, who went to his death 142 years ago.

Day was a wheelwright of an inventive turn of mind, and he early turned his attention to the problem of inventing a submarine in which human beings could remain under water for a considerable length of time. After a long thought he contrived what he called a "diving machine," which consisted simply of a large air-tight box, sufficiently large and strong to withstand the pressure of the water at a considerable depth.

Day's plan was to attach his water-tight box to an old vessel by means of screws. After Day entered the box it was to be carefully closed and the vessel was to be sunk to a depth of 100 feet and at the end of 24 hours he was to disengage his box from the vessel by withdrawing the screws, thus rising to the surface.

On June 22, 1774, Day's "submarine" was ready and a spot in Plymouth Sound was chosen for the test. The foolhardy inventor entered his tomb and the cover was fastened on. The vessel to which the box was attached was then sunk. At the end of 24 hours a vast crowd gathered to see Day's

submarine. The vessel was hoisted, and the box was found to be empty. The inventor had perished.

Postum Cereal Co., Ltd., Battle Creek, Mich.

### BUILDING BY ELECTRICITY.

More Economical and Convenient Than Steam.

Electric power is being used more extensively each year in building operations—to drive concrete mixers, air compressors, hoists, etc.

The main reason for this growing popularity is simply that electric drive is more economical and convenient than steam: provided, of course, electric current is available, as it usually is in the neighborhood of built-up communities. One motor only is required to handle a motor-driven machine, and he need not be an experienced engineer, as many workmen can learn to handle a motor in a short time. A single handle controls all operations—starting, stopping, reversing and changing the speed. There are no stand-by losses, either. The motor uses power only when actually running, and when at rest involves no expense whatever. It has no boiler, the machine is lighter and more compact than a steam-driven machine, and hence is more readily moved and placed in position. On account of its compactness, a motor-driven hoist may be placed where it will not interfere with traffic. The absence of fire and sparks makes it safe even though it is crowded under the scaffolding. Cables located out of the way take the place of awkward, leaking pipes, and there is nothing to freeze in cold weather.

## THE ROAD TO HEALTH

Lies Through Rich Blood and Strong Nerves.

Debility is a word that fairly expresses many ailments under one name. Poor blood, weak nerves, impaired digestion, loss of flesh, no energy, no ambition, listless and indifferent. This condition is perhaps the penalty of overwork or the result of neglected health. You must regain your health or succumb entirely. There is just one absolutely sure way to new health—take Dr. Williams' Pink Pills. These pills will bring you new life, fill every vein with new, rich blood, restore elasticity to your step, the glow of health to your cheeks. They will supply you with new energy and supply the vital forces of mind and body.

There is not a corner in Canada where Dr. Williams' Pink Pills have not brought health and hope and happiness to some weak debilitated person. If you have not used this medicine yourself ask your neighbors and they will tell you of some sufferer who has been restored to health and strength through using Dr. Williams' Pink Pills. One who has always a good word to say for Dr. Williams' Pink Pills is Mrs. Luther Smith, of West Hill, Ont., who writes: "I feel it a duty as well as a pleasure to tell you what Dr. Williams' Pink Pills have done for me. I had an operation for tumors. The operation in itself was quite successful, but I was so badly run down and anemic that I did not gain strength, and the incision did not heal, and kept discharging for nearly a year, until I weighed only eighty-six pounds and could scarcely walk across the floor. I had got so sick of doctors' medicine that I would vomit when I tried to take it. A good friend urged me to try Dr. Williams' Pink Pills, so I bought a box. Before I had taken five boxes I felt a difference, and I got a further supply. By the time I had taken five boxes the wound ceased discharging and commenced to heal. I took in all thirteen boxes and am to-day enjoying the best health of my life and weigh 140 pounds. I sincerely hope anyone suffering as I did will give Dr. Williams' Pink Pills a fair trial, and I feel sure they will not be disappointed."

You can get these pills from any medicine dealer or by mail at 50 cents a box or six boxes for \$2.50 from The Dr. Williams' Medicine Co., Brockville, Ont.

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## TRAPPERS! Send your RAW FURS to JOHN HALLAM

and receive highest cash prices. We send money the same day the furs are received. Dependable customers—may all choose from a large selection of furs to suit their taste. We have a large stock of furs on hand, and receive more money for their furs. For catalogue, send 10¢ to John Hallam, 202 Hallam Building, Toronto.

emergence from the depths, but, of course, they were disappointed. Having overlooked the little item of air, the country millwright was destined never to rise from his self-built coffin.

## DISEASES INCIDENT TO OCCUPATIONS

HOUSEMAID'S KNEE A MALADY OF MINERS

Dr. Patterson's Method of Curing Lead Poisoning by Electric Battery.

The subject is interesting and important as well as full of surprise. Housemaid's knee, for instance, which for many years has served as a subject for humorous comment, proves to be a frequent malady of miners. The statistician is abroad and he brings the information that trades carried on in the presence of much dust show a high death rate from diseases of the lungs. Then comes the biologist, who explains that dust is not only minute particles, but that the particles are usually surrounded by a watery envelope and that clinging to this filament there may be micro-organisms.

Soot Is An Irritant. The medical authorities abroad declare that soot is a serious irritant, and that chimney sweeps are especially subject to cancer because of it. Sawing certain kinds of wood has been found to produce irritation of the mucous membrane of the nose, throat and eyes. The makers of white lead have looked lead poisoning square in the face, and have found means to avoid it. Dr. Patterson devised an entirely reasonable but somewhat unexpected treatment for it. He immerses the patient's hand in one tub of salt water and his feet in another, and then a pole of an electric battery is put into each of the tubs. The current is turned on, using Mr. Patient as a conductor, and it carries the lead that it finds on the way out of him, through the salt solution depositing it upon one of the electrodes. It has proved successful.

Fatigue is another subject that has been studied and reported on. Strain is declared to be more exhausting than work, and monotony of employment aggravates exhaustion. Fatigue seems to be a condition of the body in which the waste products of work are not carried off fast enough. In physiological laboratories animals have been fatigued by overdriving and then some of their blood has been injected into the veins of healthy animals. The healthy animals straightaway showed the same symptoms of fatigue as those that had been overworked.

Chlorinated Water. In rubber factories and elsewhere, where bisulphate of carbon is used, great care must be taken to avoid contamination of the air by its offensive fumes. Otherwise nervous troubles are likely to follow.

There is a bakers' itch, grocers' itch and sugar-refiners' itch, all manifestations of eczema, according to the materials handled.

The question is likely to be asked why boards of health do not use chlorinated water for flushing the streets, especially in hot, dry weather. This was first proposed by Dr. Baskerville six or seven years ago, and there is no question but that its effect upon disease germs in the street dust would be beneficial to the public health. Since the New York water supply has been treated with chlorine not a single case of typhoid fever has been traced to it as the cause. It is doubtful if any other satisfactory answer will be forthcoming than that the boards of health haven't got around to it yet.

"Are you fond of music?" "Music!" exclaimed the enthusiastic young woman. "I am perfectly devoted to music. I could dance to it all night."

Minard's Liniment Cures Dandruff. Russia's Railway Programme. In Russia plans are on foot for a conference regarding the railway construction programme for 1917 to 1929. Representatives of public and private business organizations from all parts of Russia will attend, besides representatives of the Imperial Government. The question of investment of private capital in railway construction will be taken up, as well as of financing both of Government and private construction.

The incapacity of men to understand each other is one of the principal causes of their ill-temper towards each other.

Some men shake hands with as little enthusiasm as some women kiss each other.

Fools butt their heads against brick walls, while wise men start out hunting for a ladder.

This is to certify that I have used MINARD'S LINIMENT in my family for years, and consider it the best liniment on the market. I have found it excellent for horse flesh.

(Signed) W. S. PINEO. "Woodlands," Middleton, N.S.

Won't Let You Forget it. "Is he a real friend?" "I don't think so. He's always willing to lend money to you if you need it but he isn't afraid to ask you to pay it back if you don't show any signs of ever going to do so."

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## Guard Your Baby's Health

Cheerful, Chubby Children Make the Home Happy

Weak, puny babies are a constant care to tired mothers and are subject to many diseases that do not affect healthy children.

Keep your children in good health. See that their bowels move regularly especially during the teething period. This is a distressing time in the life of every child and the utmost precaution should be taken to keep them well and strong.

By the consistent use of Mrs. Winslow's Soothing Syrup it is possible to avoid many childish ills now so prevalent.

It is a corrective for diarrhoea, colic and other infantile ailments. It soothes the fretting baby and permits the child to sleep well and grow healthy. It brings comfort and relief to both child and mother.

## Mrs. Winslow's Soothing Syrup

Makes Cheerful, Chubby Children

It is absolutely non-narcotic. It contains no opium, morphine nor any of their derivatives. It is soothing, pleasant and harmless. For generations mothers in all parts of the world have used it and millions of babies have been benefited by it.

Buy a bottle today and have it handy to Relieve and Protect Your Child. Sold by all druggists in Canada and throughout the world.

To Have and to Hold. Stranger—I will give you a nickel if you will climb over that fence and get my hat, boy.

Country Boy (climbing over quickly)—I've got your hat, mister, all right; now, how much will you give me if I bring it to you?

Minard's Liniment Relieves Neuralgia. Taking it Literally. "Did the doctor give you much encouragement?" asked Mrs. Damsen. "Yes, indeed," answered Mr. Damsen. "He said I would be able to whip my weight in wild cats before long."

"Dear me! Where will you find the wild cats?"

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Presence of Mind. "Did you get damages for being in that street car collision?" "Sure! A hundred for me and fifty for my wife."

"The mis us? Was she hurt, too?" "Not in the crash, but I had the presence of mind to fetch her one on the head with me foot."

### INVASION OF WOMEN.

Many New Occupations Are Being Opened Up to Them.

Before the war there were five million, five hundred women wage earners in Great Britain; to-day there are said to be over ten million. Five million men have enlisted for active service, and a woman has taken the place of every able-bodied man who might have been engaged in peaceful occupations. England has never been so busy a manufacturing and industrial country as she is in 1916, but this would never have been possible if women had not stepped into the breach.

In Canada there is not the same supply of surplus available women, so that in this respect Canada has not experienced so great a revolution in industrial life, but many new occupations are being opened to Canadian women, and the demand for women workers in factories and in the great industrial life of the railways is steadily on the increase. If Sir Robert Borden is to secure his 500,000 Canadian soldiers, 100,000 women must temporarily step into the shoes of men so that the latter may be released for service, as the limit of available men seems almost to be reached. Women are already working alongside of men in sacking and hauling of grain at the Great Lakes elevators, in the Canadian Pacific yards and shops where they are cleaning cars, in the telegraph services and in many clerical positions hitherto held by men. They are acting in some places as Station Agents with satisfaction to their employers. But Canadians who visit England are surprised to find women ticket inspectors and guards, women as elevator attendants, women as chauffeurs, and train conductors, women as red caps, porters and ticket clerks, women as locomotive cleaners and track greasers.

SAVING COFFEE GROUNDS. Germans Are Planning to Make Use of Them.

Coffee grounds, even if they are the leavings of "ersatz" coffee, are no longer to go to waste, but will contribute their share toward the nourishment of man and beast in Germany, according to a report in the London Mail, telling of the organization in Berlin of a plan to make use of the coffee grounds hitherto thrown away in most cases with kitchen refuse.

It is the result of successful experiments to convert dried grounds into nourishing fodder for cattle. Special filtering process has also been devised for winning a certain "extract" from the grounds which has been found suitable for human nourishment. It is now proposed that all public institutions, such as barracks, hospitals and prisons, join with householders in systematically saving up the coffee grounds, which will be collected of finally at regular intervals.

Sore Eyes. Granulated Eyelids. Eyes inflamed by exposure to Sun, Dust and Wind. Quickly relieved by Murine Eye Remedy. No Smearing, Just Eye Comfort. At Your Druggist's 50¢ per Bottle. Murine Eye Salve in Tubes 25¢. For Both of the Eye Remedy Co., Chicago.

Grounds for Complaint. A restaurant keeper hung out this sign: "Coffee Like Mother Used to Make." One morning a man entered the cafe, and as the waiter approached him he inquired, pointing to the sign: "Is your coffee really such as mother used to make?"

"It is, sure!" replied the waiter, convincingly. "Then," said the man with a reminiscent look, "give me a cup of tea."

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## "Made in Canada" DOMINION RAINCOATS

Best for quality, style and value. Guaranteed for all climates.

Ask Your Dealer

So Easy! "The Clarks are in easy circumstances," remarked Cobb. "Yes," assented Boyd, "they can owe people money and feel easier about it than any others with whom I have had anything to do."

Minard's Liniment for sale everywhere. People who are afraid