

GRAND TRUNK RAILWAY SYSTEM HOMESEEKERS EXCURSIONS

To Points in ALBERTA, MANITOBA, SASKATCHEWAN & BRITISH COLUMBIA. Via COCHRANE and "THE NATIONAL ROUTE" or CHICAGO, NORTH BAY, SARINIA OR TORONTO. Round trip tickets will be sold at LOW FARES...

CUNARD LINE

Passenger Service Between Montreal and London (calling Falmouth to land passengers) and Montreal and Bristol. For particulars of sailings and rates apply to local agents or to The Robert Redford Co., Limited, General Agents...

TAKE NOTICE

If you want the best that can be bought, go to the Unique Grocery and Meat Market for your supplies.

C. H. Pickering, 409 and 492 Princess St. Phone 530.

COAL CUSTOMERS

Please Notice! On and after first of May - Coal Sales will be for Cash Only.

BOOTH & CO. Phone 133.

IMPERIAL LIFE

The Imperial Life was the first Canadian company to place its entire policy reserves upon a 3% per cent. interest basis—the present Government standard. It was also the first, and so far is the only company, to value its total surpluses on the more stringent 3 per cent. reserve basis.

J. B. Cooke, Dis. Mgr. 332 King St., Phone 503; Residence 842.

Preserving Season is Here.

Let Us Supply Your Wants. Fruit Jars in Pints, Quarts, Half Gallons. Fresh Strawberries Arriving Daily. Home Grown Tomatoes.

Home Grown Cabbage. New Potatoes. We are Leaders in Glasco's Famous Grape Juice.

United Grocery,

The Home of Choice Groceries. Phone 276. 138 Princess St.

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The place where all auto troubles are made right. Auto supplies of all kinds; cars washed and stored. Repair work a specialty; prices reasonable. Call and give us a trial. Always open.

DALY'S GARAGE 335 King Street.

Mathieu's SYRUP OF TAR & COD LIVER OIL STOPS COUGHS. Sold in generous size bottles by all dealers. THE J. L. MATHIEU CO., Prop., SHERRBROOKE, P.Q.

PERSONALS. Well-known Women.



Chatham, Ont.—"I was sick for about four years. Got very weak, could not eat to amount of anything. I got very thin and had no strength at all. I was very much discouraged at times—thought I was never going to get better. I could not walk a block without feeling all tired-out. I took different medicines but did not get the help I needed. A friend of mine advised me to try Dr. Pierce's Favorite Prescription. I began to take it with the 'Pleasant Pellets' and by the time I had taken two bottles I was well on the road to recovery, and in six months I was entirely well. My appetite came back and I gained in flesh. Now I am as strong and healthy as any one could wish to be. I owe it all to Dr. Pierce's medicine and I am glad of the opportunity to give testimony in their favor; they have done wonders for me."—Miss THELMA PARKER, 141 E. King St., Chatham, Ont.

Every woman who has headache, headache, low spirits, sleepless nights, owes it to herself to speedily overcome the trouble before a breakdown causes prostration. Dr. Pierce's Favorite Prescription is a non-alcoholic remedy that any ailing woman can safely take because it is pure from roots and herbs with pure glycerine, containing tonic properties.

We Have a Nice Assortment of Pure Corn Syrup

In 2-lb. tins, 5-lb. pails, and 10-lb. pails, which we are selling for one week only at the old price.

E. H. BAKER, Cor. Montreal and Charles St., Phone 1263.

DR. DEVAN'S FRENCH PILLS

Restores Vitality; For Nerve and Brain; Increases Matter; A Tonic—will build you up. 25¢ a box, or two for 50¢, at drug stores, or by mail on receipt of price. The Societal Drug Co., St. Catharines, Ontario.

PHOSPHONOL FOR MEN

Restores Vitality; For Nerve and Brain; Increases Matter; A Tonic—will build you up. 25¢ a box, or two for 50¢, at drug stores, or by mail on receipt of price. The Societal Drug Co., St. Catharines, Ontario.

SPECIAL!

Eastern Dairy School Butter for 43c per lb. THOMPSON'S Grocery, 294 Princess - Phone 387

JOHN M. PATRICK

Sewing machines, Umbrellas, Suit Cases, Trunks repaired and refitted. Sewing machines, Knives and Scissors sharpened; Razors honed; All makes of firearms repaired promptly. Locks repaired; Keys fitted. All makes of lawn mowers sharpened and repaired.

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Auto Taxi Touring Car Service

Phone 566 Office: Clarence St., near King. Barrieffield Camp and All City Calls Promptly Attended To.

Garage

Robinson & Wiltshire VULCANIZING All kinds of cars repaired promptly. Cars washed. Gasoline and oils for sale. Cars for hire. With J. M. Martin, Maxwell Service Station.

110 Clergy Street Phone 1192.

MODERN INDUSTRY

The Immense Debt It Owes to the Science of Chemistry.

A VITAL FORCE IN BUSINESS.

It is an Exceptional Process or Manufacturing Plant in These Days That Does Not Rest Fundamentally Upon Chemical Control.

Six gentlemen gathered round a table on which were displayed a steel rail, a waterproof shoe, a fifty cent necktie and a tin of preserved beef. Each claimed credit for creating these commodities.

"All are products of our wonderful factory system," said the manufacturer. "My foresight built the factory, and my management keeps it going."

"How about money?" protested the banker. "Where would your factory be without my financial aid?"

"Neither factory nor finance would have been of much account without my professional ability in working out processes," he asserted. "Each of these articles embodies hundreds of engineering problems which I have solved."

"All production rests on labor," declared a workman in cap and overalls. "If I walk out of your factory everything stops."

"I built up the consulting demand for your stuff," chipped in the salesman.

Finally the sixth man spoke. "I am a chemist," he said, "and these are all chemical products. All industry today is three-fourths chemical. You may think that your steel rail was made in furnaces and mills by purely mechanical processes, but from start to finish it depends on chemical exactness in materials and manipulation, and if the chemistry is lacking the rail breaks. That chrome tanned shoe is a chemical achievement. Chrome tanning is a chemically exact process. The necktie is made of artificial silk, a chemical imitation that is at once cheap, good looking and useful. As for your can of beef, the packing industry has been built up on chemical research, and this meat was probably paid for with chemical by-products. Gentlemen, three-fourths of all our manufacturing today is chemical at bottom, and you must recognize that fact if you are going to extend your business and continue to make money."

Enter a vital new factor in American industry—chemical control. Look at our manufacturing plants through the eyes of the chemist and products that you had supposed were entirely mechanical in their nature, such as building materials, metals, machinery, and the like, become products of the laboratory. The food you eat, the beverages you drink, the clothes you wear, the tools you use, your playthings and studies and the power, heat and light that keep you comfortable in the modern world—in every one of them is subtle chemical supervision. It is an exceptional process or plant nowadays that does not rest fundamentally on chemical control, and if you find one that does not something is probably the matter with it for that very reason.

Here is another way of illustrating chemical control: Everybody knows that much has been accomplished in the past few years by intelligent study of people in industry—the workers. A manager understands that his people have differences of temperament, education, brains, strength, likes and dislikes. He uses their natural abilities as far as possible and, when these are too pronounced in a certain direction, may check one against another, as by harnessing careless energy and cautious experience together. Even differences of nationality, politics and religion can be harmonized to increase output, raise earnings, cut costs and abolish waste and accidents.

Now comes the chemist and insists that the materials of industry are just about like the people. They are temperamental. They have warm likes and dislikes for each other. Some are energetic and some sluggish. They differ with mass, temperature, time, and so on. Their differences are as subtle as human whimsies, being detected only with the microscope or delicate reactions in many cases. The chemist aims to bring about with materials the same balance and working harmony that the manager of employees brings about with human beings.

We must all get acquainted with each other on this new basis, says the chemist. Bankers and business men must get the chemical viewpoint and learn to pass on chemical values. They now call in the engineer for professional guidance when they make investments and start new enterprises. They must learn to call in the chemist in the same way and use his knowledge in clearing up technical problems. Their relation with the engineer was not established in a day.

A similar relation with the chemist will take time. For the present they should cultivate an acquaintance with chemist and chemical literature. The chemist, on his part, recognizes that he has been too closely absorbed in his profession and that he must now cultivate the acquaintance of the banker, the business man and the man in the street and show them where chemistry touches everything in modern life. James H. Collins in Saturday Evening Post.

Troutman's neglect causes two-thirds of today's worry. During 1916 Canadians added more than two hundred millions of dollars to their bank deposits. Many a man's fish stories are arbitrarily limited by the spread of his arms.

TRAIL OF THE SUBMARINE.

It Always Betrays Its Presence to the Keen Eyed Watcher.

A submarine always reveals her presence to the seeing eye. If near the surface her periscope leaves the betraying wake, and even when she is 100 feet or more under water she always disturbs the surface in a way that, to the experienced observer, makes her presence known. The watcher in an airplane quickly sees such disturbances, even if the submarine is too far under the sea to be seen itself.

But the important fact is that the submarine spends most of her time on the surface. One famous submarine's ability to sail seventy miles under water without rising is regarded as a great achievement. Most submarines, that is, cannot keep submerged nearly so long. The reason is that it has to come to the surface to recharge its electric batteries.

This recharging is done by the oil engines, which can work only on the surface because of the exhaust. In addition to its other disadvantages this recharging process makes a noise that can be heard five miles away. While undergoing this ordeal the submarine is in a helpless condition, and a well aimed shot even from a small gun, such as a motorboat can carry, can pierce its thin steel plates and send it to the bottom.

FLAG OF GREECE.

The Standard Adopted by the National Assembly in 1822.

The ancient Greeks had no standard although they venerated the emblems on their shields as we our flag. The first flag used by the Greeks was decorated with a two headed eagle and was used in the revolt against the Turks in 1494. In the revolution of 1799 a white flag with a blue cross was raised.

In 1803, when Ali Pasha was ravaging Thessaly, John Stathans led a flotilla into Skiatous under a flag which was the same as that in use at the present day—blue with a white cross. The first day of the great revolution was raised by Marco Botzaris on Oct. 25, 1820. It was white with an icon of St. George.

On Jan. 1, 1822, the national assembly in Epidaurus, at the foundation of the independence of Greece, defined the Greek flag as follows: On a blue, nine horizontal stripes, a plain blue flag in four quarters with a white cross in the middle, to be called the "land flag." On the sea, nine horizontal stripes, five blue and four white, with a blue square in the corner in four quarters, on which is a white cross.

This is the flag known as the Greek flag today. The blue ground is very dark.

The Giraffe as It Feeds. The singular shape of the giraffe is adapted to its habits of life. It feeds on the young branches and top shoots of the trees, and its long fore legs and neck enable it to browse at a far greater height than any other animal. In feeding it stretches up its neck and with its long prehensile tongue, which it can protrude to a surprising distance, hooks down the tender shoots and leaves into its mouth. But the creature's peculiar form, though enabling it to feed on what it likes best, is sometimes the cause of its destruction. The fore legs are so long that to reach the ground it has to stretch them wide apart and bend down its neck in a semicircle, and while drinking in this defenseless attitude the lion or leopard springs upon it and overpowers it before it can recover itself.

Making Coffee in Java. "In Java they know how to make coffee," says a woman who has lived there many years. "It is not boiled, as is the custom here in America. The bean is roasted carefully and then ground to a fine state, not powdered, and boiling water is then poured over it. The water is allowed to filter through the coffee for several hours until the extract is highly concentrated and very strong. A spoonful of this extract is then placed in a cup of hot milk, and I may tell you that there never was a more delicious drink made."

The Cross in Heraldry. In heraldry the cross is formed by two perpendicular and two horizontal lines crossing in the center of the shield. This form is modified in various ways by additions and combinations, thus expressing many meanings. It is said that human intelligence never devised a system so infinite in its varieties and so endless in its application as is to be found in the science of heraldry, in which figure twenty-seven basic or fundamental crosses.

Choice of Evils. "Old man, you are entirely too close in money matters. Your friends are beginning to classify you as a tightwad."

"What does it matter? I'd rather be classified as a tightwad than as a good thing."

Trees Upside Down. By transplanting young trees upside down so that the branches develop roots and the roots leaves an English railway has produced small shade trees in less time than ordinarily.

Question For Question. Clarence—Would you scream if I kissed you? Clara—Do you flatter yourself that I would be speechless with joy?

Think of your own faults and probably you will talk less about the faults of others.

There are at present twenty-two companies of the Canadian forestry corps operating in France.

Two new Catholic churches for Bradford are a probability in the near future.

THE MAN WHO FLIES.

He Should Be Young and Robust Both in Body and Mind.

The work of an aviator demands robust health of both body and mind. From leakage of petrol spray the pilot may become dizzy, and the exhaust gases from the engine—carbon monoxide and dioxide—may cause headache, drowsiness and malaise. The rarefied air at great elevations may induce the symptoms well known in balloons, and Wells refers to a case of frostbite in an airman who had been exposed to 34 degrees of frost at an elevation of 15,000 feet. Psychasthenic symptoms—namely, loss of self confidence and the resulting mental worry (aerosthenia)—are not uncommon and prove that the victim has mistaken his sphere of activity.

Flying is undoubtedly the job of a young man under thirty years of age, and not every young man is temperamentally or physically fitted to carry it through. Perfect eyesight is necessary to insure safe landing, correction with glasses being not without its dangers; perfect hearing is essential to detect the first indications of engine defect, and free movement of joints of the lower limbs to control the steering gear.

Fits and tendency to faint absolutely deter the aspirant from the air service. In one remarkable instance at Hagar an airman who fainted, with the result that the aeroplane dived nose downward 1,200 feet into a plowed field, escaped with such minor injuries that he was at first extremely loath to give up this branch of the service.

A CONTINENT OF MARVELS.

Some of South America's "Greatest In the World."

Bring on the superlatives! We write of South America, the continent where are the world's greatest mountain ranges, densest forests and largest rivers.

Just for instance, the Amazon river system has over 50,000 miles of navigable waterway, enough to fit the two loops around our planet. It can be navigated for 2,500 miles by ocean steamer, a greater distance than from New York to Panama.

The Rio de la Plata is 120 miles wide at its mouth! And notwithstanding all Colonel Roosevelt's discoveries South America still has the largest unexplored area of any continent.

Almost everybody knows that Brazil is larger than Europe or the continental United States, but the size of the "little" republics is not so well known. Venezuela and still leave room for Kentucky and Tennessee.

Peru could comfortably swallow California, Oregon, Washington, Nevada, Arizona, Utah and Idaho. And it is over 2,000 miles from one end of Chile to the other—almost as far as from New York to Glasgow!

Gold is found in every state of South America, and from Potosi alone, the famous "peak of silver" in Bolivia, more than \$2,000,000,000 in silver has been mined in the last three centuries.

Ironing Kills the Germs. One need not worry about receiving infection in clothes sent to a laundry, even though they be washed with those of other families in which there may be infectious diseases. Such, in substance, is a report just issued by the United States public health service after an investigation by M. C. Schroeder and S. G. Sutherland of the New York department of health. For whatever disease germs are not killed in the washing will be killed by the ironing. In fact, the ironing kills more germs than the washing.

There is, however, danger in having clothes washed by a laundress at her own home, for, owing to the close quarters in which the laundresses live, there is possibility of reinfection of the clean linen if communicable diseases are present among the members of the laundress' family.

Finds Relief in "Needling." For ages one of the customs of Chinese physicians has been to thrust fine needles into the body to let out pains and various maladies, and it appears that bleeding in this way is often really useful. After long observation in China, Dr. James Cantile reports himself so much impressed with the results that he has adopted the procedure himself for certain cases. Needling seems to lessen the tension in the inflamed part and to relieve neuralgia and rheumatic pain, swelling and stiffness from sprains and fractures, and especially the indelible hip pains usually called sciatica.

Quite Fatal. A Newark firm doing a big business in accident insurance received this note from one of its clients a few days ago: "I received a fatal accident to my hand. Have been looking for you to adjust damages. Please come soon. I don't want it to heal till you have seen it, and it is quite a job to keep it bound up. So please attend to it promptly before it gets well."

Hardly. Lawyer—Did you see what passed between the two men during the affair? Witness—No, sir. Lawyer—But you were present, weren't you? Witness—Yes, sir, but my eyes are not quick enough to follow a bullet.

Silly Moments. "You're so smart, can you tell why the asside?" "Certainly, because it was blue."

Kermit Roosevelt, a son of the former President, has accepted a commission with the British army operating against the Turks in Asia Minor.

THE CANADIAN BANK OF COMMERCE

SIR EDMUND WALKER, C.V.O., LL.D., D.C.L., President. SIR JOHN AIRD, General Manager. H. V. F. JONES, Asst. Gen'l. Manager. CAPITAL PAID UP, \$15,000,000. RESERVE FUND, \$13,500,000.

SAVINGS BANK BUSINESS

A Savings account will assist you in the patriotic and personal duty of conserving your finances. This Bank allows interest at current rates, and welcomes small accounts as well as large ones.

Kingston Branch—P. C. STEVENSON, Manager.

Bongard, Ryerson & Co., MEMBERS OF TORONTO STOCK EXCHANGE. STOCKS, BONDS, GRAINS & COTTON. Private wires to Toronto, Montreal and New York. Howard S. Folger, Manager. Kingston Address, 44 Clarence St. Phone 995. Toronto Address, 85 Bay street.

Dr. J. Collis Browne's Chlorodyne. THE ORIGINAL AND ONLY GENUINE. Acts like a Charm in DIARRHOEA and is the only Specific in CHOLERA and DYSENTERY. Checks and arrests those too often fatal diseases—FEVER, CROUP, AGUE. The best Remedy known for COUGHS, COLDS, ASTHMA, BRONCHITIS. Effectually cuts short all attacks of SPASMS. It is the only palliative in NEURALGIA, RHEUMATISM, TOOTHACHE. Chlorodyne is a liquid taken in drops, graduated according to the malady. It temporarily relieves pain of whatever kind; creates a calm refreshing sleep; allays irritation of the nervous system when all other remedies fail; is easy on the bowels; and can be taken when no other medicine can be tolerated. INSIST ON HAVING DR. J. COLLIS BROWNE'S CHLORODYNE. The immense success of this Remedy has given rise to many imitations. N.B.—Every bottle of Genuine Chlorodyne bears on the stamp the name of the inventor, Dr. J. Collis Browne. CONVINCING MEDICAL TESTIMONY WITH EACH BOTTLE. Sold by all Chemists. Prices in England: 1/6, 2/6, 4/6. Sole Manufacturers: J. T. DAVENPORT, Ltd., LONDON, S.E.

CASTORIA For Infants and Children. Mothers Know That Genuine Castoria Always Bears the Signature of Dr. J. C. Fletcher. In Use For Over Thirty Years CASTORIA. Exact Copy of Wrapper.

Appreciation for faithful services of 400 of his older employes by dividing \$1,000,000 among them with further provisions giving them sixty per cent of the income on \$2,500,000, this principal also ultimately to be distributed among them with certain limitations, was expressed in the will of John Bartlett Pierce of Peabody, Mass., vice-president of the American Radiator Company, who died June 13rd.