

# SPLENDID CARILLON FOR OTTAWA TOWER

## WONDERFUL MEMORIAL ON PARLIAMENT HILL.

### Largest of Fifty-three Bells Weighs Ten Tons—Only One Like it in World.

Work on the memorial tower on Parliament Hill has been resumed, and slowly but surely the contours of the lofty spire are being evolved. In the meantime the carillon of 53 bells, which will ring its music down the Ottawa valley and across to the Gatineau hills, is in process of construction by the British company, to which the contract was awarded.

The heaviest of the bells will weigh ten tons, and will have a diameter of eight feet and two inches. The lightest will weigh only fifteen pounds and will measure only seven inches in diameter. The note of the largest bell will be in the key of E. The semi-tones immediately following will be omitted, and the notes of the remaining bells will advance by semi-tones through the chromatic scale.

The contract for this magnificent carillon was placed with the celebrated firm of bell founders, Messrs. Gillett and Johnston, of Croydon, England, who will also manufacture the heavy mechanism necessary for driving the hands of the four sixteen-foot diameter clock faces and for striking the hours and chiming the Westminster quarters on the carillon bells.

#### Duplicate of New York Carillon.

The Ottawa carillon will be identical in size, height and number of bells with that destined to be placed shortly in the tower of the Park Avenue church, New York, and now nearing completion in the Croydon foundry. These two sister carillons will therefore be the largest in the world, the next in size being that in the tower of St. Rombold's cathedral, at Malines, which has 45 bells, the heaviest weighing about six tons.

The bells will be arranged tier upon tier in the belfry in such a way that as the passenger elevator travels upwards to the observation gallery every bell will be visible, while the works of the great clock will be displayed in a large glass case in the centre of the clock chamber.

The carillon will be played by a carillonneur or bell organist by means of a hand clavier, the arrangement of which is identical with the console of an organ, except that light wooden levers take the place of the ivory keys. These levers are attached by means of wires and cranks to the clappers, which strike the bell on the inside surface at a point near its greatest diameter; the travel of the clapper is about one inch, which is sufficient to bring out the full volume of sound required for carillon playing, while still allowing the delicate touch necessary to enable a single operator to manipulate so many bells.

#### May Use the Feet.

Pedals are attached to the levers connected to the larger bells, so that these can be played by foot or by hand; this enables the player to strike them more forcibly than would be possible with the hand levers, and it also allows him to execute the more intricate passages of music by leaving his hands free for the rapid manipulation of the levers connected to the smaller bells.

The arrangement of the bells in their steel framework will be such that at any later time a fully automatic machine for tune playing, started at predetermined times during the day, can be added.

A feature of this carillon is that the bells will not only be in absolute tune with each other, but that the harmonies of each bell will be tuned to its strike note, resulting in pure and melodious bell tones and making possible the true harmony and brilliant cadences of this highest type of bell music.

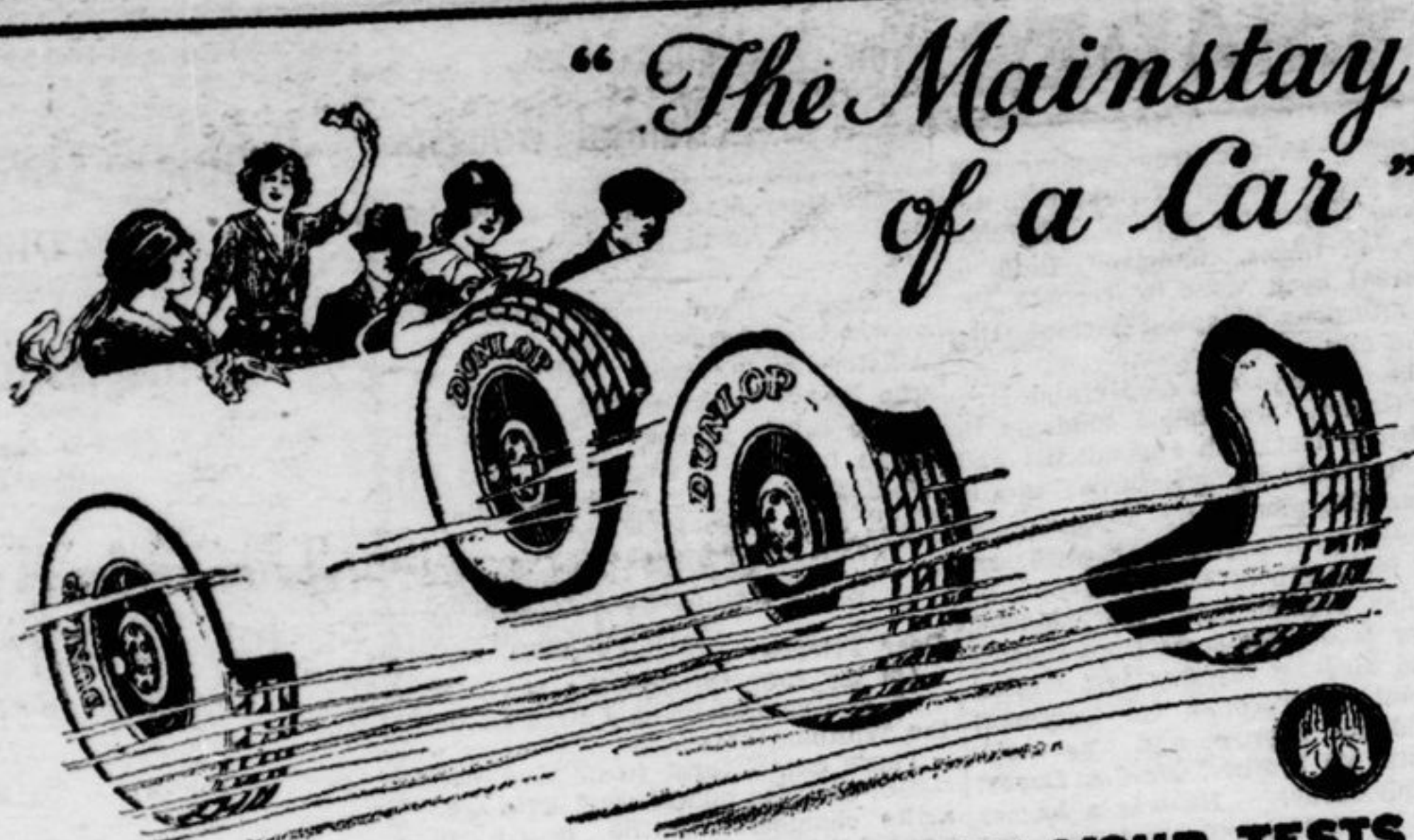
In view of the memorial aspect of this carillon, it is satisfactory to know that this perfect tuning cannot be affected by use, atmosphere or age. The metal of which the bells are cast is an alloy of the purest copper and tin obtainable, blended in the most exact proportions, and although centuries pass, the tones will remain identical with those heard on the day of dedication.

The possibilities of such an instrument are known to few, and the first recital on the memorial carillon will come as a revelation to the thousands who hear it, when its music, sung from the magnificent campanile that is now nearing completion, is first heard over city, river and valley.

#### Radio to Broadcast Chimes.

An unlimited repertoire of national airs, favorite songs and melodies, classical music and compositions adapted to exemplify the unique charm of the bells is available, and this music will become a great attraction to Ottawa, and will also be shared by means of the radio by the entire Dominion.

The position and setting of a carillon are of vital importance, and it would be difficult to imagine a more ideal compadre for these bells than the Ottawa Memorial Tower. Its great height and commanding elevation will ensure the bells being heard over a large area.



## "DUNLOP" BALLOON TIRES MEET YOUR TESTS

## Surnames and Their Origin

### CUDWORTH.

Variation—Woodhouse.  
Racial Origin—English.  
Source—A locality.

This family name originally was preceded by either "atte," meaning "at the," or "de la," meaning "of the," and it belongs in the group which was used at first to designate the locality in which the bearer lived.

Cudworth is a place name, meaning the farm, dwelling or place in the wood. In the old Saxon speech the word "cud," or as it was sometimes spelled, "cot," indicated a wood, while "worth," a word occurring with great frequency in various compounds in the list of English family names, had the general meaning of place, farm or house.

Thus the family name of Cudworth has approximately the same meaning as that of Woodhouse, though the two have been derived from two different pairs of words. Woodhouse is probably the more common form of the name, just as the words of which it is compounded, "wood" and "house," are both words which have withstood the attacks of time and the invasion of Norman-French, and which are in common use in our modern English.

### FREEMONT.

Racial Origin—Norman-French.  
Source—A locality.

There are two versions as to what the real meaning of the name of Freemont is, but virtually all authorities are agreed that the family name, as such, is but an English development of the place name of Framont in France. Whether this place was named "framont" ("free-mount") or "framont" ("fresh-mount") is a matter that is open to debate, with the chances somewhat in favor of the former argument as fitting in better with what is known of the motives and habits of early European populations in the development of their place names.

In any event the name was brought to England in the Norman invasion and settlement in that country. This period of the development of responsible family names. The Norman army was gathered together from all parts of Northern France, with the result that in such a gathering of individuals from different communities surnames referring to the place from which the individual had come naturally proved the easiest method of distinguishing him from other men of the same given name.

## Sentence Sermons.

Our Greatest Glory—Consists of our ability to make good in little things.  
—Is our dependability under any circumstances.

—Lies in our ability to make new friends without losing the old.  
—Appears when we refuse to allow success to spoil us.  
—Never seems to impress the home folk much.  
—Is not in unusual performance, but in unflagging effort.  
—Is won on the day we overcome our greatest difficulty.

#### A Bit Catty.

She was newly engaged, says the Tattler, and was confiding in her dearest friend.  
—"Do you know, dear," she said, "Tom and I understand each other perfectly, and he tells me everything I know too."  
I tell him everything I know too."  
—"Really," exclaimed the friend, "Don't you sometimes find the silence rather oppressive?"

#### The Clinical Thermometer.

The clinical thermometer was not developed in its present convalescent form until 1868.

## WE WANT CHURNING CREAM

We supply cans and pay express charges. We pay daily by express money orders, which can be cashed anywhere without any charge.

To obtain the top price, Cream must be free from bad flavors and contain not less than 30 per cent. Butter Fat.

Bowes Company Limited, Toronto

For references—Head Office, Toronto, Bank of Montreal, or your local banker. Established for over thirty years.

## MOTHERS PRAISE BABY'S OWN TABLETS

Mrs. L. M. Brown, Walton, N.S., says:—"I cannot recommend Baby's Own Tablets too highly. I have found them invaluable for the ailments of little ones." Mrs. Brown's testimony is the same as that of thousands of other mothers who have used the Tablets. To use them once is a sure guarantee that they will always be kept in the home as long as there are babies or young children to be cared for. The Tablets are a laxative—mild but thorough in action—which never fails to regulate the stomach and bowels; relieve constipation and indigestion; break up colds and simple fevers and break the dreaded teething period made easy. In fact they banish all the minor ills from which little ones suffer. The Tablets are sold by medicine dealers or by mail at 25 cents a box from The Dr. Williams' Medicine Co., Brockville, Ont.

#### Advocates Music in Factories.

Dr. Robertson Darwin, medical officer to the Blackburn Mill Managers' Association, in England, is one of the latest advocates of music in industrial establishments. Speaking of the other day to the association, he said: "Ten minutes' music an hour upon the worker, producing a psychological effect upon the worker, bracing him to his task and increasing his output in quantity and quality. I am convinced," he declared, "that the introduction of music into the mills would prove a paying proposition."

No man is great by imitation; each may rise of his own powers till he leaves vultures and eagles behind.  
—Rasselas.

#### PEERLESS BICYCLE BARGAINS

New and slightly used, \$12.50 up. Write for Catalogue. PEERLESS BICYCLE WORKS, 192 Dundas St. W., Toronto.

## ONTARIO BREED BETTER STOCK

### Are Your Cows Earning Their Keep? Listen!

Albert on the 2nd Concession in Grant Township, owned a Scrub Bull in 1911. He delivered to the cheese factory that year 44,228 pounds of milk. He bought a good Pure Bred Sire and from the first cross produced 14 of his present cows and six of his present milking heifers. From the same number of cows as in 1911, last year he delivered 152,605 pounds of milk. Eight years of crossing with a Pure Bred Sire made a difference of 108,377 lbs. of milk in his herd. Don't keep unprofitable producers.

### BUY A GOOD BULL

## How Can the Grading of These Cattle be Raised from Common to Good?

In a few cases it could have been done by better feeding, but in the majority of cases the feeding was alright. It was the breeding of the cattle which was at fault. In nearly every case it was a pure bred bull that would have weighed as much and would have been as good quality as those which graded "good."

Ability to carry weight and finish is a virtue not possessed by the offspring of scrub bulls. Over four million hoofs were required to carry the live meat supply to the public markets of the Dominion during 1919. Had the scrub bull been eliminated five years back and better feeding methods practiced over the period this meat supply could have been marketed on three million hoofs, a saving of over 25% of the feed which was required, since the most economical gains are made by good quality cattle.

The average weight per animal marketed in Canada during 1919 was 500 pounds, whereas it would have been 600 pounds if there had been an average weight of at least ten hundred pounds per animal, which would mean the elimination of 25% of the four million hoofs referred to in the preceding paragraph.

When a better beef animal is produced there is no loss on some other way. It is a creation of new wealth which goes directly to the producer and indirectly to the country.

## Capetown the City of Colors.

When the Prince of Wales visited Capetown, he noticed the large number of Dutch and French names in the shop-fronts—Dutch and French because the Dutch founded a settlement there many, many years ago, while the French came there a little later. Huguenots settled there a little later. From these two stocks came the Boers. Great Britain did not add Capetown to her possessions until 1814, more than a hundred years after the arrival of the Huguenots.

Another thing the Prince noted was the races of people—black, white, brown and yellow.

Above all, the Prince was delighted with the maze of color and costume, with the bright sunshine and clear air, and the general feeling of happy contentment which is everywhere to be found.

The vegetation is one of the chief charms of this part of South Africa. At the Cape, in an area smaller than the Isle of Wight, there are two hundred more species of flowering plants than in the whole of England.

Another great attraction of the district are the many seaside resorts, with miles of wonderful golden sands and safe bathing beaches.

A favorite excursion is the ascent of Table Mountain. It is so called because its broad top is almost as flat as a table. The ascent is steep, but the view from the top is magnificent. When clear, one looks down on the town with its white roofs and walls, and its beautiful suburbs spreading away on either side, and climbing up the lower slopes of the great mountain.

A great historian once wrote: "In all the world, there is, perhaps, no city so beautifully situated as Capetown."

## Preparing for the Worst.

A young wife said to her husband one night: "My dear, there is a man in the drawing-room who wants to speak to you."

"Who is it? Do you know?" the husband asked.

"Dear," said the wife, "you must forgive me, but that cough has bothered you so much of late, and—oh, if you knew how worried I've been about you!" She threw her arms around his neck. "What would I do if I were to lose you?"

"Come, come," said the young man. "Men don't die of a slight cold. So you've called in the doctor, eh? Well, I'll see him if it will make you feel easier."

"It isn't the doctor, dear," was the answer. "It's the life insurance agent."

Big growers and shippers use electricity to kill insects that may lurk in bags of nuts. The sacks are run through an electric ironing machine which destroys, through heat and pressure, any insect egg, or larva.

Minard's Liniment for Colds.

## World's Timber Supply.

Canada is the principal source of softwood in the British Empire. The forest capital of the world is decreasing at the rate of 18 billion cubic feet per annum, and if consumption continues to increase at the present rate it will be doubled in 50 years. In Europe (as a whole) the annual consumption of wood exceeds the growth by 3 billion cubic feet. In the United States the annual cut is four times the estimated annual growth. The forests of Russia and Siberia are of a large extent inaccessible. Canada must therefore be prepared to meet an ever increasing demand. Our softwood supplies are already reduced to the extent of being only two-fifths the amount of softwoods in the United States, despite our much larger forest area.

Canada cannot gauge her wood requirements on the basis of her own population only. Under present methods, United States supplies are rapidly being depleted. Our exports of forest products to that country are almost ready very large; they must inevitably increase. Only by curtailing losses, increasing productivity of the forest, can the increase be met.

In contributing to the world's wood requirements, if Canada is to fill the place predestined by nature she cannot continue her careless treatment of the forest resource. She must capitalize her forest resources, she must protect them in capital, and she must only the amount of annual growth.

## BEST MEDICINE SHE EVER USED

### Dr. Williams' Pink Pills Highly Praised by a Nova Scotia Lady.

Among the well known and esteemed residents of Henford, N.S., is Mrs. Amanda Woodworth. Some four years ago Mrs. Woodworth had the misfortune to lose her husband, and as a result to lose her health during his illness, and attending to farm duties, she became terribly run-down, nervous, and suffering from severe headache and dizziness. She was often attacked by spells of weakness, and felt her almost speechless, and frequently suffered from severe headache. The medicines she took did not help her, and she almost despaired of gaining her health. In this condition she one day read in a newspaper of a health restorer through the use of Dr. Williams' Pink Pills. This she decided to give these pills a trial. After using a few boxes she found the pills were helping her, and she continued their use until her old-time health and vitality were restored. Now Mrs. Woodworth looks after a small farm of fifteen acres, besides doing all her household work, and says she never felt better or more energetic in her life. She gives credit for her present health to Dr. Williams' Pink Pills, which she says are the best medicine she ever used, and strongly recommends the pills to all run-down people.

You can get these Pills from any medicine dealer, or by mail at 50 cents a box from The Dr. Williams' Medicine Co., Brockville, Ont.

#### In Other Words.

Jack had returned to his ship apparently the worse for drink, and the officer of the watch was testing his sobriety.

In order to do so, he told Jack to repeat after him, "The Irish Constabulary extinguished the conflagration. Jack stood for a moment, and it seemed as if he were unable to cope with the task he was set. Then, with a smile of triumph, he blurted out:—"The Irish coppers put the fire out!"

#### It Is no use saying, "Little children, love one another!" if one set of children get nearly all the toffee and the others very little.—Mr. Lloyd George.

## RADIO

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## Genuine ASPIRIN

Proved safe by millions and prescribed by physicians for Headache, Neuralgia, Colds, Lumbago, Pain, Toothache, Neuritis, Rheumatism.

Safe. Accept only "Bayer" package which contains proven directions. Handy "Bayer" boxes of 12 tablets. Also bottles of 24 and 100—Druggists.

Aspirin is the trade mark (registered in Canada) of Bayer Manufacture of Monoclonal Acetylsalicylic Acid, (A. S. A.). While it is well known that Aspirin means Bayer manufacture, to assist the public against imitations, the Tablets of Bayer Company will be stamped with their general trade mark, the "Bayer Cross."

A tea your grocer recommends is usually good tea

## RED ROSE TEA "is good tea"

And most grocers recommend it.

## Canada a Leading Gold Producer.

Gold has been found in every province of Canada except Prince Edward Island. The first recorded discovery was made in 1824 on the Gilbert river, 50 miles south of Quebec city. Placer mining commenced here in 1847 and intermittent operations have been carried on here ever since. Placer discoveries were made in Ontario, in British Columbia, and in Yukon at much later dates. Lode mining began at the Tangier river, Nova Scotia, in 1858. Records of the production of precious metals in Canada prior to 1887 are scattered and irregular; since that date complete data are available. These records show that between 1858 and 1923 Canada produced 24,774,684 ounces of gold, valued at \$512,157,538. During the last few years, owing to the discovery of the new gold fields in northern Ontario, there has been a steady increase in Canadian gold production; more than enough to offset the decline of the Yukon placers. Last year (1924), according to preliminary figures, the total production was the greatest value at \$31,345,941. More than 80 per cent. of this production was obtained from the mines of Porcupine and Kirkland Lake in northern Ontario and 15.6 per cent. from British Columbia.

The world's total production of gold has been declining since 1912, but Canada's rate of production is still on the increase. In 1922 she stood third among the countries of the world as a producer of this metal. At present production is at the rate of about \$100,000 per day, and this rate will probably continue to rise for some years. The discoveries during the period 1900-1920 have disclosed the most important new gold producing area found anywhere in the world during the last quarter of a century. More recent discoveries in the Rouyn district of northwestern Quebec, east of Porcupine, promise well for the future. Canada still possesses immense areas of unprospected territory underlying the last ancient crystalline rocks and there is an excellent chance of future discoveries surpassing any that are now known.

## For Sore Throat Use Minard's Liniment

#### Paying Him Back.

"James," said the grocer to his assistant, "who bought that mouldy cheese to-day?"

"Mrs. Brown, sir."

"And the stale loaf that we could not sell last night?"

"Mrs. Brown, sir."

"Where's that lump of rancid butter that the baker refused?"

"Mrs. Brown bought it cheap, sir."

"And the six eggs we could not sell a week ago?"

"Mrs. Brown, sir."

"Are you ill, sir?" asked the lad, as the grocer turned white and groaned.

"No, no. Only I'm going to tea at Brown's place to-night," replied the unhappy man.

## FREE Catalogue

### ELECTRIC FIXTURES

at Wholesale Price

Buy direct from the manufacturer—save all the middleman's profits and get them in your pocket. Catalogue shows one of the largest and most up-to-date stocks of electric fixtures and appliances in Canada. Send for free catalogue, no obligation. Cost nothing to find out what wholesale prices are. How much you can save. Put 20 to 100 per cent. in your pocket. 3-light living or dining room fixture with shades, complete, \$24.88. Address Department A, with cheque, to DOMINION ELECTRIC SUPPLY CO., Toronto, 100 Queen Street West.

#### Kills Men and Bugs.

Tuba root, used by the "wild men of Borneo" as an arrow poison, is an effective insecticide.

Obesity, or fatness, in women is now stated by a doctor to be, in most cases, as such a malady as rheumatism or eczema.

Self satisfied, easily satisfied.



## MURINE FOR YOUR EYES

### Wholesome Cleansing Retrospective

#### BERMUDA

Ideal Spring Vacation  
Only 2 Days from New York  
Go in May and June  
when Bermuda is ablaze with flowers—perfect days for rest and play.  
Furnished Twin-Screen Steamers  
"FORT VICTORIA" and  
"FORT ST. GEORGE"  
For Illustrated Booklets Write  
FURNESS BERMUDA LINE  
14 Whitehall Street - New York City  
or Any Local Tourist Agent

## MINARD'S Relieved His Rheumatism

Here is one of many letters testifying to the relief Minard's gives in cases of rheumatism: "I have been relieved of rheumatism by your liniment. I thought I would never be free from this malady and I tried many remedies, but Minard's was the only one which gave me relief."  
ALPHONSE RICHARD,  
St. Samuel, P. Q.  
Minard's is also splendid for stiff necks of the joints, sprains, bruises, etc.  
MINARD'S LINIMENT



## Cuticura

### Clears The Skin OF Blemishes

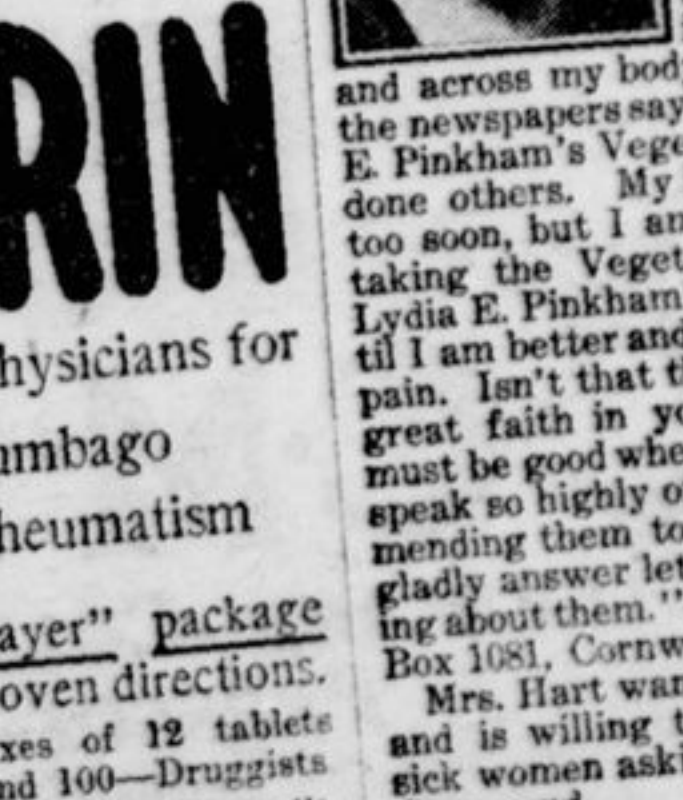
If you have pimples or red, rough skin you can rely on Cuticura to help you. Gently smear the affected part with Cuticura Ointment; after five minutes, wash off with Cuticura Soap, and hot water. Dry without irritation.

Sample Each Free by Mail. Address Canadian Dispensaries, Ltd., Montreal. Price, Soap 25c, Ointment 25c and 50c, Talcum 25c. Cuticura Shaving Stick 25c.

## MRS. B. H. HART SICK FOR YEARS

### Wants Women to Know How She Was Made Well by Lydia E. Pinkham's Vegetable Compound

"Cornwall, Ontario.—"I am now giving your medicine a fair trial and it surely is doing me good and I am going to keep on taking it. I used to feel so tired in the morning that I didn't want to get up, but that feeling is leaving me now. I also sleep better and feel more like working. For seven or eight years I have had headaches, tired feelings, pains in my back and across my body. I read letters in the newspapers saying what good Lydia E. Pinkham's Vegetable Compound had done others. My husband says I quit too soon, but I am not going to stop taking the Vegetable Compound and Lydia E. Pinkham's Blood Medicine until I am better and haven't an ache or a pain. Isn't that the right way? I have great faith in your medicines. They must be highly of them. I am recommending them to my friends and I will gladly answer letters from women asking about them."  
—Mrs. BERT H. HART, Box 1081, Cornwall, Ontario.



Mrs. Hart wants to help other women and is willing to answer letters from sick women asking about the Vegetable Compound.

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