

## CANADA'S AUTO-MOBILES

If a country's elaborate purchases of automobiles is to be taken as an expression of economic well-being, as is frequently accepted, the outlook last year was optimistic in Canada, and the indications those of prosperity. The number of automobiles in Canada in 1922 increased over the previous year by 9.6 per cent. In 1921 there were 470,862 automobiles owned by Canadians and in the following year 516,307, an increase for the twelve months of 45,445.

The Province of Ontario led in the possession of cars with a total of 238,600, followed by Quebec with 69,324. Saskatchewan was third with 60,643, followed by Manitoba with 41,885 and Alberta with 40,367. British Columbia occupied fifth place with 33,880. The Maritime Provinces following, with Nova Scotia 16,029, New Brunswick 13,419, and Prince Edward Island 2,154.

There is approximately one automobile for every sixteen persons in Canada. The Province of Saskatchewan leads in the per capita ownership of automobiles with one car to every nine persons. Ontario is second with a car to every 12, and Manitoba and Alberta are bracketed equal with a car to every 14 of the population. British Columbia has a car to every 15 of its people. New Brunswick one to every 29, Nova Scotia one to every 32, Quebec one to every 33, and Prince Edward Island one to every 41.

### Increase Over 1921 Figures.

The possession of automobiles is increasing in Canada, as indicated in the fact that in 1921 there was approximately one car throughout the country to every eighteen persons. Saskatchewan has reduced her figure from 134, British Columbia from 37, Alberta from 17, and Manitoba from 15. Ontario has effected a big reduction from her previous figure of 204 and Quebec halved her 1921 figure of 66. Even the Maritime Provinces show very substantial reductions, and in every province of the Dominion there are more cars in proportion to population than a year or so ago.

It will be at once noted that the majority of cars are owned in the Western provinces of the Dominion, or in the agricultural areas where large populous centres are few. This is an encouraging indication in a land where agriculture is the first and basic of all industries, as showing the modern trend in the life of the western farmer. The automobile has, in fact, revolutionized the daily life of the Western Canadian farmer, economizing his time and adding to his leisure and recreation.

Canada maintains her position among the countries of the world as second only to the United States in the per capita possession of automobiles. Her position in regard to the leading nation, too, is very favorable, the United States, according to figures procurable, having a car to every fourteen of her people against Canada's sixteen. Five States of the Union have a lower per capita figure than Saskatchewan, Canada's first province, and three have the same figure. Great Britain has approximately one car to every 85 people.

### Demagnetizing Watches.

Very often an electrician or an engineer or even a visitor to an electric light plant discovers after a few days that his watch is losing half an hour a day or more from becoming magnetized by the dynamo. In the newer stations where the most modern machines are used there is not so much danger from these "starry" magnetic fields as there is around older types of machines.

The apparatus used by jewelers for correcting this trouble consists of an elliptical piece of soft iron with a hole in the center large enough to permit the watch to be inserted. Over the iron are wound a number of layers of fine insulated wire. Alternating current is sent through the wire, and if there is none handy an additional device known as a polarity changer must be used with direct current.

With very little trouble and no expense whatever any one may demagnetize his own watch by a simpler method. Take a heavy thread or a light string about two feet long and tie the ring of the watch to it. Hold the string by one end and turn the watch around until the string is twisted about fifty turns. Allow the string to unwind, and as the watch revolves pass it slowly back and forth about two inches above the field of a motor or dynamo not smaller than a quarter horse power while the machine is running.


### Says Hohenzollern Princes Are Defrauding Republic.

The former Kaiser and the Hohenzollern Princes are not only avoiding paying income taxes, but the administrators of the Hohenzollern property are making big profits of billions of marks through secret sales of wood from the Hohenzollern forests, according to the Vorwaerts, which charges that the Hohenzollerns are defrauding the Republic. The charge is denied by the Finance Ministry. The Socialists, in their traditional fight against the dynasty, demand an investigation.

### Prevents Dripping.

A new tap-pouring kettle has an adjustable spout to prevent dripping and the flow of its contents is controlled from the handle.

Fill your pipe with



**Ogden's CUT PLUG**

"It Satisfies"

15¢ per packet  
80¢ a 1/2 lb tin

If you roll your own ask for **OGDEN'S** FINE CUT (green label)

## PLANES BARE HIDDEN PAST OF ENGLAND

### AERIAL PHOTOS TRACE OLD ROMAN SITES

#### Pictures Taken at Six Thousand Feet Give Results for Research in Archaeology.

A new epoch in archaeology has been opened up with the use of airplanes for photographing ancient sites. This is the opinion of O. G. S. Crawford, archaeologist with the British Ordnance Survey, as a result of his inspection of snapshots taken for practice by the air force officer near Winchester.

Aerial photography has been used by the American expedition which is now working on the site of ancient Carthage, on the north coast of Africa, to plan a foundation line for the submerged mole which guarded the harbor of the Punic city destroyed by the Romans.

#### Discovery Made by Chance.

The discovery was made more or less accidentally when an airman who took photographs in the course of his military work found on them certain strange markings. On ploughed land these appeared as bands of lighter colored soil, forming a pattern of irregular squares and rectangles. The clue to the nature of these markings is indicated in the lines of Rudyard Kipling's "Puck's Song":

"See you the marks that show and fade  
Like shadows on the downs?  
Oh, those were the lines the flint-men made  
To guard their wondrous towns.  
"And see you after the rain the trace  
Of ditch and mound and wall?  
Oh, that was a legion's camping place  
When Caesar sailed from Gaul."

When the photos were submitted to Mr. Crawford he was soon able to identify the mysterious markings on them as ancient British "lynchets," or field boundaries, which were formed during the Roman occupation of Britain and perhaps some centuries before. The ancient British system of agriculture was entirely different from that obtaining to-day, which is direct descended, with modifications, from the early Saxon system.

The Celtic system, as revealed by the airplane photos, was a network of small patches, rarely more than two to three acres in size. In many cases there could be seen upon the same section nearby mounds and hollows of the river valleys, which they cleared. When the Saxon invaders arrived they destroyed the upland Celtic villages, and when they settled down founded new villages along the line of the fertile river valleys, which they cleared, introducing from Germany a system of strip cultivation radically different from the older British system.

#### Ancient Ramparts Shown.

The airplane photos depicted pre-Roman hilltop camps actually in a new light, disclosing features which were wholly invisible from the ground. Within two camps photographed they revealed a faint inner ring within the outer ramparts, which appears unconnected with the rest, and older.

Mr. Crawford wonders whether these vestiges of neolithic works were not ancient when the outer camps were made. Little or nothing is known at present of the pre-bronze age of the inhabitants of Britain, almost all remains being connected with burial places, while of the living there is scarcely any trace, due to the fact that subsequent invaders obliterated the earlier settlements.

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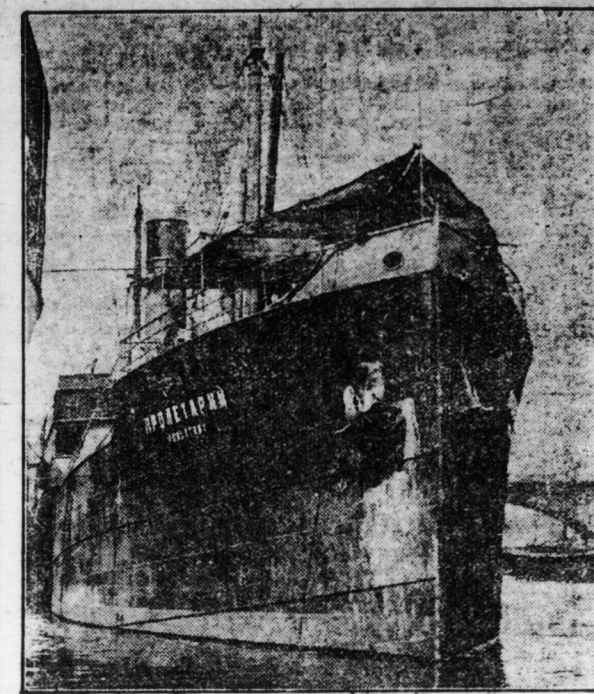
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RUSSIAN TRADE SHIP IN LONDON HARBOR

The "Proletary," the first Russian trade ship sent to England, lying idle in London docks. Owing to the action of extremists amongst London dockers, she is unable to discharge her cargo, which includes four hundred tons of eggs.

## SYMPTOMS OF DEBILITY

### How to Tell Whether Your Blood Needs Revitalizing.

The symptoms of general debility vary according to the cause, but weakness is always present, a tendency to perspire and fatigue easily, ringing in the ears, sometimes black spots passing before the eyes, weak back, vertigo, wakefulness caused by inability to stop thinking and unrefreshing sleep. The cause of the trouble may be some drain on the system, or it may be mental or physical overwork, sometimes insufficient nutrition due to digestive disturbance.

If you have any or all of these symptoms try building up the blood with Dr. Williams' Pink Pills, and as the new blood courses through your veins there should be an increase in your appetite, a better digestion and soon a renewal of strength and vigor. You can get these pills through any dealer in medicine or by mail, postpaid, at 50c a box from The Dr. Williams' Medicine Co., Brockville, Ont.

### "Glass Island"

During the imprisonment of Napoleon on the island of St. Helena, the British stationed garrisons on all of the out-of-the-way rocks in the South Atlantic Ocean within a circuit of hundreds of miles.

Among others, one named Tristan da Cunha was chosen as the residence of a company of British soldiers. Upon the death of Napoleon these precautionary measures were no longer necessary, and as the barren rock of Tristan does not lie in the path of vessels bound round the Cape, the garrison was taken off.

Among the soldiers, however, was one Glass, who had conceived the idea of settling on this desolate island after the manner of Robinson Crusoe.

Escaping to the mountains, he was left behind when his comrades sailed to the Cape.

He remained for three years in solitude, cultivating a little garden, and amusing himself by exploring the mountain fastnesses and hunting goats. At the end of this period an outward bound India-man, which had got out of her latitude, hove in sight, saw his signal, and bore him to the Cape.

There he remained long enough to earn an outfit for the novel life to which he intended to return. He married, engaged passages for himself and wife in a schooner bound for St. Helena, and was landed again at Tristan.

Sons and daughters were born, and with their aid he was able to extend his agricultural operations so as to have potatoes and mutton to sell to the now more frequent vessels.

The island eventually became a convenient calling-place for American whaling-vessels, and was also visited occasionally by homeward-bound India men.

The colony received accessions from the sailors of these vessels, and the newcomers in time became husbands to the old patriarch's daughters. His sons — he had eighteen children in all, but mostly girls — remained with him until they grew to man's estate, when several of them chose themselves wives from among the Portuguese inhabitants of the Cape of Good Hope, and settled for life under the rule of their father, who now styled himself Governor.

The hundredth child was born before the first death occurred in the colony. The island was now under the "government" of Glass' eldest son, and the population is nearly one hundred and fifty.

### MONEY ORDERS.

The safe way to send money by mail is by Dominion Express Money Order.

There was little advertising in prehistoric days, but the cave-men and cave-women read it and advanced step by step to our modern civilization. Read the advertisements.



His Concern.

"Do you know, I believe this little rascal has swallowed one of my diamond studs!"

"Oh Heavens above!"

"Now he's gone and broken the lot."

### The Last Straw.

Mr. Busman was exasperated with the telephone. Ten times that morning he had tried to get on to a number, and each time something had prevented him from speaking. Either it was "number engaged," or the person he wanted was out, or else he had been suddenly cut off. At last he got through.

"Hallo!" he said. "Is Mr. X—there?"

"Yes," replied a voice. "Do you want to speak to him?"

This was the last straw. Back came the reply, in icy tones: "Oh, no! Nothing of the sort. I merely rang up to hand him a cigar!"

### As Usual.

Bits of broken news came down from the bird house on the pole and with it a volley of indignant bird chatter.

"Well, I've had my lesson," cried the feathered matron. "I'll never submit this place for the summer again. See the condition they've left it in! Why, they even sharpened their beaks on the woodwork!"

A caterpillar does not breathe through its mouth, but through the holes in the sides of its body.

## "Whatsoever Things are Lovely"

God, lend me strength to sentinel  
The portals of the mind,  
To turn away dark thoughts of doubt  
Which would admitance find;  
Help me to open doors of faith  
Till sunny is each room  
Distrust, unwholesome hate, thrive not  
Where love's sweet flowers bloom.

### Against soul devastating foes

I oft the door can bar,  
Can turn mine eyes from mire of earth  
To glow of evening star.  
The things that lovely are and pure,  
If long the mind beholds,  
Become our own—all, all is ours  
Of beauty that enfolds.

The poets have done much for me  
In helping thoughts to fly  
From out the dungeon-deeps and see  
"One boundless reach of sky."  
They lead away from petty cares,  
From sense of wrong and pain,  
With songs of heroes, deathless loves  
Soft sound of summer rain.

Great Poet, Father of all Lights!  
From no one far away —  
Teach Thou this longing soul of mine  
Thy song from day to day.

—Maud Frazer Jackson

Ask for Minard's and take no other.

## Berlin Theatre Tickets Based On Cost of Food.

A pound of butter buys the best seat in the house; two eggs will procure a place in the eighth row, balcony. Because the mark is falling so fast, the Steglitz Theatre posted the announcement at the box office that in future tickets will be based on the cost of these necessities, now become luxuries to most Germans. Beside the announcement hangs a market list.

Difficulties strengthen the mind, as exercise does the body.

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**DOG DISEASES**

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Mailed Free to any Address by the Author.  
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Headache, neuralgia, toothache, and all the ills of the head and face.

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Keep Kendall's Spavin Treatment in the loss of the horse. A strained muscle, a sprung tendon, a joint or a knock demands immediate attention. A few hours' delay will result in a long lameness—perhaps in the loss of the horse. Kendall's Spavin Treatment has saved more horses than all the other known remedies. Under the name of Kendall's Spavin Cure, it is the forty-year-old standby of horsemen, farmers and veterinarians.

Get a bottle of Kendall's today. Ask, too, for the Free Book or write for it to

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Colds Headache Rheumatism  
Toothache Neuralgia Neuritis  
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### WASHINGTON HAND PRESS.

WE HAVE AN ENQUIRY FOR A WASHINGTON Hand Press that will take 2 pages of 1 column, long. William Publishing Co., Ltd., 13 Adelaide St. W., Toronto.

## Earth Quivers Like a Jelly Ball, Says Scientist.

Prof. W. de Sitter of the University of Leyden, Paris, has found the earth does not rotate as a rigid body but quivers like a ball of stiff jelly. The quivers, he believes, make distances between points on the earth's surface vary erratically. That, he says, explains why time signals exchanged between observatories show discrepancies as great as several tenths of a second.

Similar quiverings are said to have been detected on the moon.

Whoever controls the motion picture industry controls the most powerful medium of influence over the public.—Mr. T. A. Edison.

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"I was troubled for years with a dry scalp and dandruff. There were small scales on my scalp and it itched and burned a great deal. My hair was very dry and lifeless, and fell out when I combed it. I began using Cuticura Soap and Ointment and after a few applications could see an improvement. I continued using them and in three months was healed."

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So Says Mrs. MacPherson of Lydia E. Pinkham's Vegetable Compound

Brantford, Ontario.—"I was always tired and the least exertion would put me out for a day or two. I had a pressing pain on the top of my head, pain in the nape of my neck, and when I awoke in the morning I could not get up without help, because of pain in my back. I did not sleep well and was nervous at the least noise. I kept house, but I was such a wreck that I could not sweep the floor nor wash the dishes without fainting down afterwards. A friend living near me told me what Lydia E. Pinkham's Vegetable Compound had done for her so I began to take it. With the first bottle I felt brighter and got so I could wash dishes and sweep without having to lie down. Later I became regular in my monthly terms. I have taken ten bottles all told and am now better. I can truly say that your wonderful medicine cannot be beaten for putting health and vim into a woman."—Mrs. JAMES H. MACPHERSON, 809 Greenwich St., Brantford, Ont.

If you are suffering from a displacement, irregularities, backache, or any other form of female weakness write to the Lydia E. Pinkham Medicine Co., Cobourg, Ontario, for Lydia E. Pinkham's Private Text-Book upon "All that is Peculiar to Women."