# In The Automobile World

# The Newest Notes of Science

Denmark has about 85 head of tering an automobile radiator have cattle to every 100 inhabitants A holder to suspend a flat can of tobacco from a man's belt has been

Experiments in France have shown that ordinary sod is an c.ent filter for sewage. An electrically driven machine has been perfected that will seal 20,-

000 envelopes an hour. put of 400,000 pounds. A recently patented padded el-

to prevent writer's cramp. tar have been found to make good fuel briquettes in Amsterdam.

acle so that it can be opened or closed with a touch of a finger. The government of Brazil main-

An aeroplane engine with-stwelve growth

cylinders has been invented that makes more than 2,000 revolutions ables a gardener immediately

opened in China, where extensive holes for them. deposits of the mineral have been

to serve equally well as a snowplow. I tion. By means of a secret process a metal. An ice-shaver operated by a crank | well.

has been invented that can be used

each 100 residents Switzerland has municipalities. the smallest equine population of any country.

with olive oil it will not tarnish for following cars. a long time.

a buttonhole opener.

wet or ley surfaces. Electric power has permitted the to slip off.

exploitation in Chili of what experts believe may prove to be the not yield enough fuel for the counworld's richest copper deposits.

new kitchen cabinet is provided with which there is a vast supply. a sliding tray so that articles stored in it can be easily removed.

French horticulturist, who claims to ply be impeded. have made writing paper from

the wheels on each side of a car.

rosin into timber by electricity. Shutters to regulate the air en- | That he has a fraud proof slot | peller.

been invented that can be operated by a push button on a car's steering

Brushes that a Frenchman has acid invented to be carried on automooile running boards remove mud from the soles and sides of shoes at

vator to be carried on the side of an The world's greatest fodine works ash cart to raise cans of ashes and are in Chili, having an annual out- empty them into the body of the French automobilist has equipped

bow rest is claimed by its inventor agree that a steady increase in the bar over the radiator, each backed gold production of the islands may by its own reflector. Pulverized street rubbish and coal be expected for an indefinite period. glass refrigerator, built upon a man engineer has invented a me-Springs control a new soap recept- steel frame and with an insulating thod for blasting away the earth air space between the inner and with dynamite, making a hole which

Plants are forced by a Danish scitains a snake farm for the product entists by administering choroform, a safe hammerless shotgun by re- WIRE AUTO WHEEL tion of serum antidote for snake his theory being that brief periods quiring it to be held against the of rest are followed by quicker shoulder with the right hand in

A Wisconsin man's invention en- | ger can be released. water plants that he sets out with Three asbestos mines have been the same tool with which he digs

Engineers of the Italian army will sink many artesian wells in Tripoli A Minneapolis inventor's adjust- in an endeavor to convert a large able road sweeper has been designed desert area into an oasis by irriga-

To prevent articles falling out French scientist converts flowers, a vest pocket is the intention of a fruit, and even animal tissues into new device that holds cigars, pencils, cards or slips of paper equally

Spain, by royal order, has made of a block of ice within a refriger- the annual celebration of arbor day With only about three horses to of tree planting to be borne by aerial propeller.

Semaphores that are automatical ly lighted as they are dropped by If brass or copper be cleaned with drivers pressing knobs have been salt and vinegar and then rubbed invented for automobilists to signal

After almost three years of search-One end of a tool invented by a ing, two Spanish mining engineers Frenchman for smoothing rough have discovered deposits of platinum edges of collars and cuffs serves as in that country that apparently cover a wide area.

Overshoes have been patented that! The handle of a wrist bag for woare stamped from sheet metal and so men that a New Yorker has inventformed that they will not slip on ed is so constructed that it tightens its grip on its user's wrist if it starts

Because Sweden's coal mines do try's needs, scientists are trying The bottom compartment of a many experiments with peat, of gets its electricity from trolley

furnaces a Californian has patented ate plants of the kind. Spinach stems contain 46 per a device that automatically shuts off Furniture makers in Germany im-stroke, a German has invented an

A double snowplow has been in- by burying them when freshly cut heads are kept at a more even temvented, to be mounted on the front in earth mixed with lime and other perature. of an automobile to clear tracks for materials for several months. A French wood preservation me- ton fiber were used in the manufac- cycle built by a Saint Louis inventor

three months this year.

man who has invented one that rejects metal slugs and even coins of the same size and weight as those

By keeping dogs awake for seve-

In a recently designed rifle gallery target, which resembles a base- move very easily. ball diamond, marksmen fire at a moving figure of a ball and their An inventor has patented an ele- hits are registered in baseball

avoid headlight glare, his car with a number of incandes-Mining experts in the Philippines cent lamps mounted on a horizontal

To give concrete columns for A patent has been granted for a building wide foundations a Gersoft concrete quickly fills.

An inventor believes he has made position for firing before the trig-A safe invented in England

fastened with a wire stretched to respond to a musical tone produced by some instrument, its vibration affecting electrical mechanism that operates locks.

without danger of damage to a with wire wheels is rather dwarfed room when it rains a canvas trough in comparison, however, when one has been invented that is intended examines the statistics of wire wheel to be fastened to a window sill to production it is apparent that a dis-

man has invented consists of two It is estimated that at the end of cigar shaped floats supporting a 1916 there were in the United States frame on which a man sits and not more than 10,000 cars equipped obligatory, a portion of the expense drives it with pedals geared to an with wire wheels. The 1916 season

is perforated and behind it are num- of 500 per cent. With that spectacubered disks for both 12-hour and 24- lar increase in mind it is not difficult hour time, either of which can be to credit well-informed automobile turned to show the numerals men who predict that 1917 will see through the openings.

Operated by one man, a gasoline driven machine has been invented that delivers more than 1,000 hammer blows a minute to newly laid give them an even density.

Locomotives and cars specially designed for passage through sand storms and to offer a minimum of resistance to the metal-cutting sand have been built for the French railroad in the Sahara.

portable track welding outfit, that wires has been invented for small To prevent damage to oil burning | railways that do not require elabor-Placing the exhaust ports near cent, of cellulose, according to a the supply of oil should the air sup- the centre of the cylinder so they are uncovered at the end of the

A speed of nearly 75 miles an More than 3,500,00 pounds of cot- hour has been attained by a uni thod consists of forcing a solution ture of absorbent and medicated cot- the machine consisting chiefly of a have got to convince the man. of 10 per cent, borax and 5 per cent, ton in the United States in the first single wheel almost seven feet in diameter, drawn by an aerial pro-

ral days two French physicians de- tempts, especially where it is slightexpands the screw in the wood and when cooled is loose enough to re

> There are two ways to test oil One is gradually to heat a bottle of oil until a yellow vapor arises on about fifteen minutes, then let the oil stand about twenty-four hours. If the oil is of good quality it will only turn a little darker than ori quality it will turn black, and certain amount of black sediment will be seen. This is exactly what happens if such oil is used in the

# BECOMING POPULAR

Those who are in close touch with the automobile manufacturing business find in the growing popularity of the wire wheel one of the most interesting tendencies of the times.

To be sure, the total output of automobiles at present is so astounding So that a window can be left open that the number of cars equipped tinct wire wheel boom is under way A light draft boat that a French- and rapidly gaining momentum.

has probably added 50,000 or even The dial of a new French clock 60,000 cars to this class, a sheer gain 200,000 new cars put on wire wheels.

Aside from the popularity of these cars on account of their handsome sure. appearance, they have received an demountable rim makers.

Women Motorwise.

The influence of women in the sale of automobiles has long been recog-Weighing less than 200 pounds, a nized by manufacturers as a leading factor and consequently much study has been devoted to pleasing them. But women change, just like men

and the weather, and what was sufago now falls short. Looks and comfort and still necessary to get her O.K. but a large percentage have besential but you've got to convince her of power, stability and all-around

There is no use in worrying, but what difference does that make?

### ALGONQUIN PARK.

The Real Highway to Health and Happiness.

No better place could be devised for a real holiday for red blooded men and women than Algonquin Park, situated about 200 miles north of the City of Toronto. It is an unspoiled territory of nearly two million acres, starred with beauti ful lakes and intersected by wind ing streams. No reserve in Canada can approach it in the wealth of attractions it offers to the lover of out-of-doors.

Away up in the Highlands of Ontario, two thousand feet above the level of the sea, the park is a wonderful spot in which to renew the energies of a tired body or refresh a wearied spirit. Its tonic air filters through hundreds of square miles of pine, balsam and spruce; the days are unusually long, with bright sunshine, while the cool evenings are a time of enchantment. The park is a paradise for the fisherman and canoeist; the excellence of its sports draws anglers from every part of the Dominion and from every state in the Union, while the canoeist can travel for hundreds of miles in his light craft, and he is a veritable kingdom of his own. The accommodation in the park is such that the most varied tastes can be pleased. There are hotels for those who want to be in the wilderness-yet, enjoy all the comforts that good service and social companionship can bring; there are groups of log camps, comfortably furnished and ideal for family parties, with central lodges containing recreation and dining rooms where you may dine and find everything ready for you on your return from the tramp; or if you have planned to camp under your own canvas, you may step into a canoe at one of the little railway stations and after a short paddle find a site unmarred by the hand of man, yet within easy reach of the park outfitting stores. Many families now go into the park expressly for the camping.

making their headquarters at the notels long enough to get supplies and camping outfit ready for the Then in canoes, and with guides or without them, they launch out into the deep woods, camping where fancy prompts.

A handsome illustrated publication telling you all about th's famous park is issued by the Grand Trunk Railway, and a copy can be had free on application to J. Quinlan, district passenger agent, Grand Trunk Railway, Montreal, Que.

Women have such a good time talking because they have so little to say that they do not care how they

# POWER!

# monstrated that both nerve cells and muscles lack oxygen when they are tired and secrete a poisonous the screw is quite hot. The heat

You will never have to use all the power your Gray-Dort can give you. We have not found a hill steep enough or sand deep enough to hold her. Are the surface; maintain this heat you in a hurry—she has speed far beyond the limits of the law or ordinary daring. Do you wish to travel rough, poor roads—they will never trouble the ginally, but if it is not of good even song of her motor. For city driving she throttles down to a surprisingly low speed on high. She takes hills at any speed you want on any gear.

And for all this power and speed her motor is light, compact, economical—thrifty of gasoline and wonderfully lacking in repair-bills.

# Comfort and Beauty

Note the lines of the Gray-Dort - a true yacht-line body, embodying the ideas of the finest motor-car builders. Her appearance will be a source of pride to you. The Grays have been building Canada's finest buggies for 60 years. All this experience has been expended on Gray-Dort bodies.

And for riding comfort—and convenience of driving! She has 50 inch full cantilever rear springs-deep upholstery-lots of leg room-wide seats-quiet motor-every comfort for pas-

And when you sit at the wheel you have the reliable Westinghouse starting and lighting, easy gear shift, speedometer, accelerator, one-man top-everything to make driving a plea-

MOTOR-Gray-Dort, 4 cylinder, cast en bloc, L-head impetus from the scarcity of hickory type, bore 314 in., stroke 5 in., speed 2000 r.p.m., horsepower concrete foundations for roads to of the best quality and from the pat- 28. Cast iron removable heads. Timing gears—east iron helient litigation which has vexed the cal. Carter carburetor. Thermo-syphon cooling, 3 gallon tube and finn radiator, I quart oil pump and splash lubrication. Westinghouse two-unit starting and lighting system. Connecticut battery ignition. 12 inch cone clutch with 6 compensating springs. Three speed and reverse selective transmission with double row New Departure bearings. Universal joint. Gasoline tank under cowl. 1 beam heavy duty front axle. 34 floating rear axle, with forked tube torsion and Hyatt High Duty bearings. 10 inch internal expanding and extennal contracting brakes. Pressed steel frame. Springs, front, 37 in. elliptic, rear, 50 in. full cantilever. Left-hand drive. 16 in. irreversible worm and nut type steering wheel. Centre gear shift lever. ficient to satisfy milady a few years Emergency brake, right pedal. Service brake, clutch pedal. Accelerator. Spark and throttle control on steering wheel. Artillery type wood wheels. Detroit demountable rims, 30 x 3 ¼ Dominion tires. Nobby trear rear. Westinghouse electric part colors to several native woods, economical engine as the cylinder come thoroughly motorwise. To be lighting. Linoleum covered running board. Lock ignition sure, fine lines, deep cushions, wide switch. Dashlight, ammeter, roberail, footrail, clear-vision doors and easy spring action are es- | windshield, one-man top, tools, equipment complete.



5-passenger touring model ... 8945

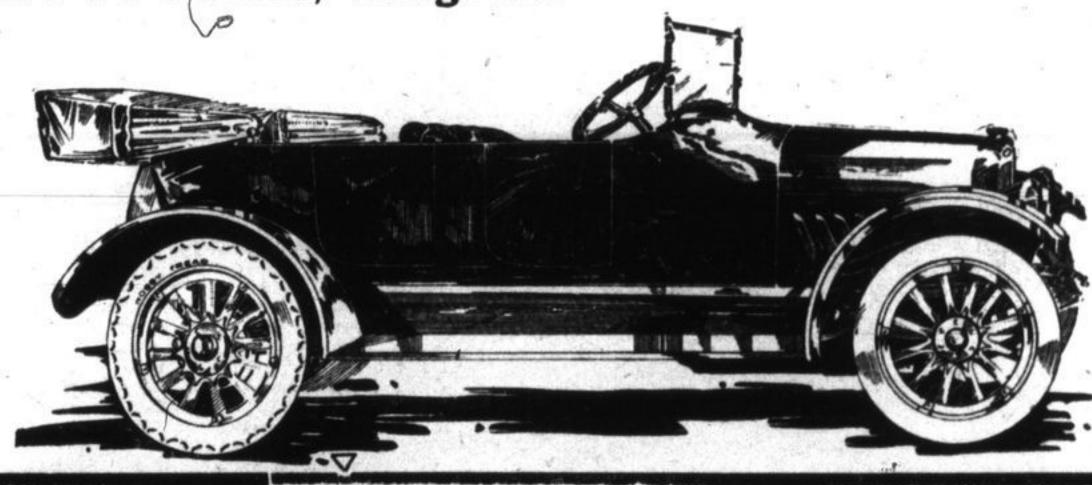
3-passenger roadster model ... \$945

5-passenger sedan model . . . . \$1160

Gray-Dort Motors, Ltd. Chatham, Ont.

American Factory at Flint, Mich. "The Quality Goes Clear Through."

# mechanical excellence just as you W. P. Peters, Kingston



# Lift Corns Off With Fingers

Doesn't hurt a bit! Corns and calluses loosen and fall off! Magic!

Few drops of Freezone take all pain and soreness from corns instantly



whether hard, soft or be- right off with the fingers. tween the toes, will loosen Freezone doesn't eat out right up and lift out, with- the corns or calluses but

by Cincinnati man

This remarkable drug is called freezone and is a com-pound of ether discovered by a Cincinnati man.

which will cost but a trifle, but is sufficient to rid one's soreness disappears and apply a drop. The pain shortly the corn or callus stops instantly, corn goes!

No humbug! Any corn, will loosen and can be lifted out, a particle of pain or shrivels or rather loosens them without even irritating the surrounding skin.

Just think! No pain at

Wonderful discovery all; no soreness or smarting when applying it or after-wards. Try a little and see for yourself. It is surprising.

> Few drops stop corn-pain

Ask at any drug store for small bottle of freezoffe, Take soreness from any corn or

feet of every corn or callus. Women should keep freez-Put a few drops directly one on their dressers and upon any tender, aching corn never let a corn ache twice. or callus. Instantly the If a corn starts hurting just

Tany bottles of Freezone cost but a few cents at any drug store, 

### Auto Taxi Touring Car Service Phone 566

Office: Clarence St., near King.

Barriefield 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,

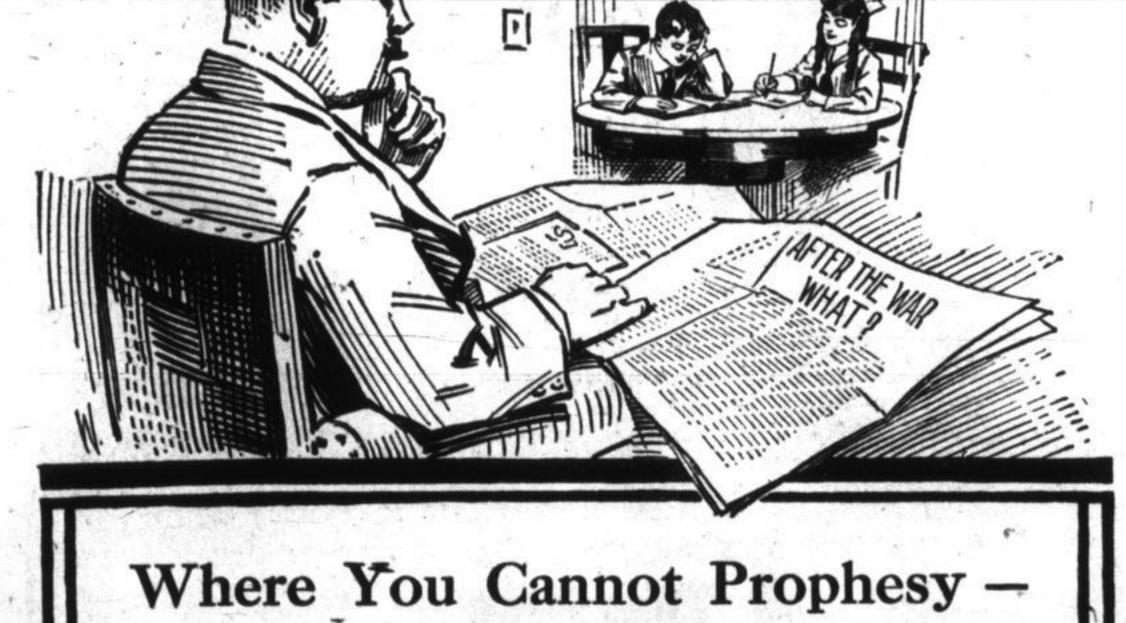
Maxwell Service Station. 110 Clergy Street Phone 1192.

### CITY TAXISTAND

285 King Street.

Opposite Custom House Phone 749

Boat, Train and All City Calls Promptly Attended to. All modern five and seven passenger cars used.



### PREPARE! TOT even the best-informed man in government or business circles dares to attempt a prophecy of conditions after the war. We hope for the best-

How? By regulating their expenditures according to their actual needs rather than by their prosperity-by husbanding

meantime wise men are preparing now for anything.

the surplus—and by investing to the limit in Canadian War Loans that help so much to maintain present prosperity. Money saved and loaned to Canada by Canadians is a two-fold safeguard for the future. The lenders will benefit directly from the excellent interest return and absolute security-and indirectly because the interest thus kept in Canada will help to

keep business good after the war. Canadian War Savings Certificates are issued in denominations of \$25, \$50 and \$100, repayable in three years. At the purchase prices of \$21.50, \$43 and \$86 respectively, they yield over 5% interest. Buy them at any Bank or Money Order Post Office.

The National Service Board of Canada. OTTAWA.