

AUTOS WITHIN REACH OF ALL

Cars Offered Now At Prices To Suit Every Class.

DOLLAR GOES FURTHER

Recent Strides in Automobile Industry Cut Costs of Production.

A dollar goes further today in the purchase of an automobile than it ever did before. The great strides which the industry has made are symbolized by the new season models of high-powered, commodious, superlatively equipped cars at a fraction of what the same degree of quality would have cost five or ten years ago. In fact, at that time there was no car which afforded the luxury and ease of control the new 1922 models do, with their wonderful range of power, striking design, luxurious riding comfort, and the completeness and nicety of details that spell the difference between ordinary driving and luxurious touring.

Probably every family has the desire to own a high-powered, luxurious automobile, and many hold back because they erroneously suppose it necessary to be a near-millionaire to possess such a car. The big, handsome vehicles of yesterday are no more, but in their stead are sleek, high-powered cars, which render a degree of motoring comfort that not even the finest of ancient heavy cars could supply.

Experienced motorists are the ones who long for a high-speed and power reserve more than anyone else. They become dissatisfied with their ordinary cars, with monotonous hues, body design, and ordinary performance, and turn to something that will quicken their heart-beats—a car that will give them the exhilaration they experienced the first time they were in a motor car.

The scaling down in the prices of cars to sub-pre-war standards has brought the quality cars within reach of thousands who have long wanted high speed, luxurious cars, but thought them too expensive. And because this class of motorist must think of the upkeep, the manufacturers have made mechanical improvements in the new models which make for real economy.

"Yes, indeed, a dollar goes much further in the purchase of a motor car today, so much so that some makes are being merchandised at a figure that makes every dollar spent for them buy upwards of two dollars' worth of value."

ARCHDEACON CODY DEDICATES SCHOOL

Many Addresses Are Delivered at Opening of London's New Teaching Edifice.

Acknowledged by leading educational experts to equal any of like nature in the entire province, London's new Victoria Public School, South London, was formally opened and dedicated Friday at 2:15 p.m. by the venerable Archdeacon H. J. Cody, of Toronto, former minister of education, officiating.

The invocation for divine blessings

ANTI-THEFT SYSTEM LEFT TO INSURANCE FIRMS

Englishman Devises Plan to Curb Losses.

LONDON, March 24.—To stop thefts register every automobile in the country with the insurance companies. Then let these companies check up on each car entered for insurance, to be certain of its rightful ownership.

This is the idea of F. S. Broad, manager of the Bell Assurance Association, which has been investigating England's method of theft prevention. The present system consists of issuing registration books and license discs to each automobile owner. But counterfeit books and discs have appeared and have made it easy for anyone to prove his ownership of a stolen car.

Complete Records. According to Broad's plan, every car made in England, besides those exported and imported, would be recorded in a national card index system. The most important information on each card would be the chassis number of the car.

If a car is stolen it would be found upon the new institution was delivered by Rev. W. L. Armitage, rector of St. James Church, South London. Brief addresses were made by Archdeacon Cody, Trustee Edwin Smith, chairman of the board of education, Trustee Rev. A. A. Bice, chairman of the public school committee, Senior School Inspector V. K. Greer, Principal E. H. McKone, and A. MacQueen, former principal of the school.

At 4 p.m. the same afternoon the former minister of education officiated at a like ceremony, the formal opening of the Collegiate Institute, which have been invited His Lordship David Williams, bishop of Huron; His Lordship M. P. Fallon, Beattie, D. D., C. M. G., rector of the First Presbyterian Church.

It is arranged that addresses will be given by Archdeacon Cody, Bishop Fallon, Dr. Beattie and Trustee A. E. Silverwood, chairman of the collegiate institute committee, and Inspector George F. Rogers. Bishop Williams will deliver the invocation. Included in the afternoon's ceremonies at both schools will be the impressive presentation of flags, one donated to Victoria school by Trustee Mrs. Joseph A. H. H. and the other to the high school by Nicholas Wilson Chapter, I. O. D. E. Addresses of acceptance will be made by the principals.

Students Prepare Lunch. Luncheon will be served to the board of education and their guests at 5:30 p. m. at the Ryerson public school, South London, prepared and served exclusively by the domestic science students of that school under the supervision of Miss MacPherson and Craig. Tea will be served at the Victoria school by the mothers club of that district, under the direction of Mrs. A. Cress, president.

Both institutions will be open Friday from 7 to 10 p. m. for inspection by the general public, and teachers will be in attendance to show all visitors through the buildings. The Victoria school choir had been chosen from the class of Miss Wildman, while the accompaniments were played by E. W. G. Quantz, supervisor of music in the public schools.

The new Victoria school occupies the center of the old site, facing

PERFECT SPARK TEST.

Actual conditions inside the cylinder, in testing a spark plug outside, can be equalled by placing a piece of mica between the electrodes. The mica should be about 3-8 inch wide.



around which the spark has to jump, making a wider gap in open air equal the narrow gap in the much denser cylinder gas.

One-piece steel wheel has been invented, including rim, spokes, hub and brake drum.

as soon as application was made for its reinsurance, says Broad. By referring to the central register the insurance agent would find the car had been stolen. At present there is no such checkup in any country.

Chassis Check. Altering the chassis number could not help the thief to circumvent this system, for the new number would be found to belong to another car, or to be fictitious.

Broad's system would make auto-

west on Wharncliffe road. The building contains 12 regular classrooms, a kindergarten, and a fine auditorium, with upper corridors serving as a balcony. The basement contains the most modern heating and ventilating plant and a large play-room. The building is a model of fire-proof structure throughout. It is the first public school building in the city to have terrazzo floors in class-rooms and moveable adjustable seating in all the rooms.

RUNS BETTER IN RAINY WEATHER

Automobile Engine Gives Best Service in Humid Atmosphere.

MANY DEVICES MADE

Inventors Design Means To Feed Steam Into Combustion Chamber.

Ever since the beginning of the gas engine industry operators have noticed that on damp days and at night when the air is more humid than during the day the engine runs better and with more power on a given throttle opening, than it does on a dry day.

At first some engineers said that the results were merely psychological and that the humid atmosphere could not cause an increase in power. These scientific doubters even offered proofs of the justice of their contentions, which served to convince a good many people. But the real facts are these. Water fed to the engine does increase the power. At the same time it has a tendency to reduce carbon deposit and under certain circumstances is likely to remove a deposit of troublesome particles, though it cannot be said with certainty that it will remove hard carbon.

Reduces Heat.

It is common practice for operators of kerosene engines to feed water into the combustion chamber not only to reduce the temperatures, because kerosene engines are wont to heat rapidly, especially if poorly designed, but also to get more power by permitting a higher compression to be used. Perhaps the general use of water in kerosene engines led to the marketing by numerous manufacturers of devices designed to feed water or steam to automobile engines. In many cases the device consists of a water tank with piping to the inlet manifold above the throttle. There is a suitable control so that the water may be shut off when desired.

Anyone who has used one of these devices knows that immediately upon turning on the water the engine speeds up, though it is necessary to have the engine hot before turning on the water, otherwise it will slow down or stop. In some types there is a line leading to the radiator filler neck so that moist air can be sucked into the carburetor.

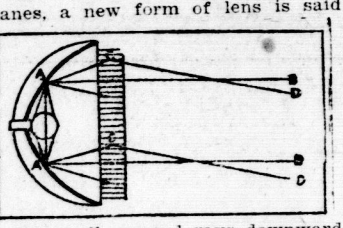
At any rate, regardless of the type of device, all of those designed to feed water or steam have a beneficial effect upon the engine and their use is justified both as a power increaser and carbon preventer. How can the action as a power increaser be explained? Briefly stated, the use of water results in a gain in thermal or heat efficiency by preventing the usual loss of heat through the water jackets at the beginning of the explosion stroke and giving back the heat later on in the stroke when the power on the piston is not so great.

The automobile engine is a notorious heat waster, though it is strictly speaking a heat engine and therefore should not waste any heat, or better, as little as possible. Yet fully one-third of the heat generated (and the heat is power) is lost by being passed to the cooling water. Now when water is sent into the cylinders under the intake stroke the charge is naturally cooled. On compression it is heated and upon explosion it is turned into steam, thereby taking away some of the heat which would ordinarily be wasted by passing through the water jacket into the water. Later on in the power stroke when the power on the piston is reduced the steam gives up its heat in greater part and thus helps put some more power where it is needed. In other words during the early part of the explosion stroke the water prevents a heat loss by taking some of the heat into the mixture only to give it up later when the heat is needed in the cylinder. This explanation may be taken as being correct with the theory as to water decomposition wrong.

This theory assumes that the water present during the explosion is decomposed into its elements, oxygen and hydrogen, and that the pres-

LENS KEEPS LIGHT DOWN.

By a series of laminated glass planes, a new form of lens is said



to direct all upward rays downward as shown above by the line A-C-D. Horizontal rays pass through the glass unbroken, as shown by A-B. Downward rays strike a non-reflecting surface to prevent upward reflection.

mobiles theftproof, especially in Canada, he says, where there are laws governing the transfer of automobiles. It would not cost the motorist anything additional because the insurance companies would assume all costs as part of their business.

Great Britain has 3,000 motor truck lines.

Automobiles require 509,250,000 pounds of crude rubber annually.

ence of the oxygen makes it possible for the free carbon to combine with it, thus effecting perfect combustion. There is no proof of this, though it may be possible that the water does decompose to some extent at high pressure, and the high temperatures which are obtained in automobile engine cylinders.

However, the matter is explained, the fact remains that the use of the water is beneficial and the apparent magic which gives the engine more power on a damp day, is something real. As to the carbon removing ability of the water, there is something to be said. Surely a carbon deposit cannot be removed by water or steam unless by luck. Many owners have said that the use of water stopped preignition and knocking, and very likely this is true because the water may have removed the small particles of carbon, which became incandescent and caused preignition. It also is possible for the water to prevent carbon from depositing in any quantity, which it would under normal conditions.

COULDN'T DO HOUSEWORK, HEART WAS SO BAD

Many women get weak and run down and unable to look after their households owing to the heart action becoming impaired or the nervous system unstrung.

Nature intended women to be strong, healthy and happy instead of sick and stretched. But how can a woman be strong and healthy when day in and day out she has to go through the same routine of work, sweeping, dusting, cooking, washing, etc. Is it any wonder that the heart becomes affected and she gets irritable and nervous, has hot flushes, faint and dizzy spells, smothering and sinking spells and can't sleep at night?

To all women whose heart is weak and whose nerves are unstrung we would recommend

MILBURN'S

HEART AND NERVE PILLS

as the best remedy to tone up the system and strengthen the weakened organs. Mrs. Daniel Bezonson, Loganville, N. S., writes: "As I was troubled with a weak heart for nearly two years I am writing to tell you what your great remedy, Milburn's Heart and Nerve Pills, has done for me."

My heart was so bad at night I could not sleep. I would take smothering spells, and was so weak I could not do my housework. I tried two doctors, but got no results. A friend advised me to try your pills. I used six boxes and am completely relieved. I think they are the best remedy for heart trouble there is."

Price, five a box, at all dealers, or mailed direct on receipt of price by The T. Milburn Company, Limited, Toronto.

AMON For kidneys, rheumatism, nervousness and a blood purifier. Amon is taken as a tablet. Sixteen days' treatment in one bottle. A well-tried medicine. Formula discovered by a chemist. Mailed postage prepaid. If you mention this paper and send money order or postal note for one dollar to Amon Alliance, Kitchener, Ont. T April 1.

Auto Notes

Automobiles. It is figured, travel, 30,094,565,000 miles a year.

Motor bus is superseding street cars in Iquique, Chile.

Country clubs for motorists are being organized in England.

Dirty in battery terminals may cause ignition trouble.

AN EMERGENCY STARTER.

It sometimes happens that the starter fails to work and the hand crank has been left at home or mislaid. The first thought of most motorists on such occasions is to look around for another car to start the engine by towing the car with the gears engaged. Usually this means more or less delay in waiting for the car to appear, arranging for hitching up, etc. The situation is doubly difficult if the car refuses to start when in the garage and the hand crank is not available. There is an easy way to get the engine going, however, which any motorist can employ without assistance.

By jacking up one of the rear wheels securely, putting the gears in high and turning the uplified

wheel in the direction in which it revolves when driving the car forward, you will find that a few turns will start the engine. Be sure to place your gearshift lever in neutral, however, before letting down the jacked-up wheel or the car will plunge forward, with resultant damage, and you will have the work to do all over again. For the same reason you must be sure that the vibration of the running motor will not upset the jack. Properly done, the operation of starting the engine in this way takes only a few moments.

TO LOCK A NUT.

To lock a nut securely have the bolt a little longer than is needed and then rivet the projecting end a little

after the nut is screwed in place. When the nut is to be removed file out the riveted part.

TESTING OF BROKEN GEARS.

A simple test for wear in the transmission or broken teeth of the gears is to drive the car slowly for a short distance in each speed, including reverse. Badly worn gears or broken teeth will cause the gear shift lever to vibrate, and can be felt by the driver by placing his hand on the lever while the car is in motion.

Lost motion in the steering gear should be taken up.

Nearly 3 per cent of the people of the United States make their living from the automobile business.

Ford Announcing LINCOLN MOTOR CARS

THE Lincoln Motor Company is now affiliated with the Ford Industries. The Lincoln Car will, however, continue to be "Leland Built." This expression has acquired such a significance in Motordom that we ask the prospective buyer of an exclusive car of individuality to defer purchase until the meaning of "Leland Built" has been explained.

Ford Dealers, of whom there are 700 in Canada, will sell and serve Lincoln Cars. This means that for the first time in automobile history the owner of an exclusive car will be able to obtain the benefit of an already large and successful sales and service organization. The importance of this feature cannot be over-estimated.

TOURING CAR - \$4750	SEDAN - \$6000
SEVEN PASSENGERS	FIVE PASSENGERS
TOURING CAR - 4750	TOWN CAR - 7000
FIVE PASSENGERS	SEVEN PASSENGERS
PHAETON DeLUXE - 5450	SEDAN - 7100
FOUR PASSENGERS	SEVEN PASSENGERS
ROADSTER - 5450	LIMOUSINE - 7300
TWO PASSENGERS	SEVEN PASSENGERS
COUPE - 5600	JUDKINS SEDAN - 7500
FOUR PASSENGERS	FOUR PASSENGERS

These Prices F. O. B. Detroit (Canadian Funds); Duty, Sales and Import Taxes Paid

At the present time orders on file for Lincoln Cars are such that delivery cannot be effected in less than six weeks

LELAND-BUILT

Ford Motor Company OF CANADA, LIMITED.

The Reliable Family Medicines

BACKACHE?

Dull ache in the back, tired feeling and nervousness are general trouble. For speedy and beneficial action use Warner's Safe Kidney and Liver Remedy.

Warner's Safe Kidney and Liver Remedy is made from the fresh juices of spicy plants and medicinal roots, acts quickly with permanent improvement. Fifty years' continuous success proves its real worth. Sold everywhere.

WARNER'S SAFE REMEDIES

Warner's Safe Kidney and Liver Remedy

Warner's Safe Remedies Co. Toronto Ont.

Service

No other single word can better summarize the reasons for the preeminence of the Cunard-Canadian Steamships in Atlantic travel, than the word SERVICE.

From the moment you first seek information regarding schedules, reservations, tickets, etc., until you have reached your destination, you are conscious of a thoughtful attentiveness on the part of the Cunard agents and employees, which lends very considerably to your enjoyment of the trip.

Write for illustrated travel books, rates and dates of sailings, or consult the

The Robert Redford Company, Limited General Agents

Quebec Montreal Toronto St. John, N.B. Halifax

Cunard Line CANADIAN SERVICE

DYE SWEATER, SKIRT, DRESS STOCKINGS OR DRAPERIES IN "DIAMOND DYES"

Buy "Diamond Dyes" and follow the simple directions in every package. Don't wonder whether you can dye or tint successfully, because perfect home dyeing is guaranteed with Diamond Dyes even if you have never dyed before. Worn, faded dresses,

skirts, waists, coats, sweaters, stockings, draperies, hangings, everything, become like new again. Just tell your druggist whether the material you wish to dye is wool or silk, or whether it is linen, cotton, or mixed goods. Diamond Dyes never streak, spot, fade or run.—Adv't.

AVOID THE HOLD-UP

"There's a Board Meeting at 10 o'clock and I'll be late," said the director of a prosperous concern as he stood watching the removal of a blown-out tire. "I told you to put that 'Gutta Percha' tire on before we left. I can't afford the time these hold-ups cost." Business men don't relish stops on the road to fix tires. Chauffeurs don't like it either. Instruct your chauffeur to put "Gutta Percha" Tires on your car and you will both enjoy the assurance of trips without stops.

'Gutta Percha' Tires

PRICE: No business man can expect reliable service from a poor tire. Pay the right price—get a standard make tire—a "Gutta Percha" Cord Tire—and your satisfaction is sure.



When you are thinking about things and wondering to yourself about the replacing of a tire, just register a wee resolution that henceforth you will motor on tires that don't blow out—"GUTTA PERCHAS."

