

In the Automobile World

AUTOMOBILE IMPROVEMENTS

Add To Attractiveness and General Utility of Motor Car Tops.

A person who visited the automobile section at the Toronto Exhibition and made a study of the cars cannot fail to be impressed by the great improvement made during the past two years in tops. Not only is the top more a matter of beauty, but its utility has been greatly increased also. As far as appearance is concerned, the top has undergone a wonderful improvement. The top was formerly looked upon by the designers as something which had to go on the car and was more or less a necessary evil. It generally looked much better when it was folded down and put away than when in the upright position.

The greatly increased number of drivers who are keeping their tops up all the time has no doubt been responsible for the care and study which have of late been given to this part of the body, for the top must be considered a part of the body as much as any other, since it is so frequently used in the upright position; in fact, there are many drivers who never put their top down from the day they get their car.

Tops are universally lower than they were, which has resulted in a lower windshield, but since the headroom is sufficient even with the lower top, this tends to make the car of a lower appearance and greatly beautifies the lines. Some of the roadster tops are particularly low, just giving room for the driver to enter, but giving plenty of headroom after he is seated. The windshield on a car of this type is shallow, and also helps to give the low appearance much sought after by designers.

Smaller Wheels Used.

The increased use of smaller wheels, due to the better roads, which do not necessitate so much road clearance and also due in many instances to desire to meet government requirements of tire sizes, recently withdrawn has also resulted in a much lower appearing car, which, coupled with the improvement in top design, gives a highly desirable appearance.

One of the greatest improvements in top design, from the user's standpoint is the use of the "curtain" type.

Thousands Are Ailing From Constipation

No condition causes so many diseases as constipation. It not only prevents proper kidney action, but causes Anaemia, Stomach Trouble and Indigestion.

Why not use Dr. Hamilton's Pills and get cured?—This excellent medicine restores normal bowel action in one night; thousands say so. Just think of it: Your system will be pure and clean. You'll be free from headaches, sour stomach, biliousness—in short, you'll have joyful spirits and perfect good health. Get a 25c box of Dr. Hamilton's Pills to-day. At all dealers.

point, is the ability to open or close the side curtains with the door. There are a number of makes of cars putting this type of curtains on their cars as standard equipment. This results in giving an all-year car which is largely doing away with the necessity of buying a complete winter top with glass windows. It is necessary, of course, to renew the lights or windows as they are popularly called, in the side curtain every one or two seasons, but the expense of doing this is small as compared with buying a complete winter top, and with the side curtains opening with the doors, a completely inclosed body is provided which has practically all the advantages of a winter top.

Hardly any makes are now turning out their standard cars with inclosed curtains, lights in the rear. These have been replaced by plate glass, nevel-edged and sometimes tinted with metal, giving a finished appearance to the rear end of the car and also giving lights which can be washed easily and which never become cloudy. It is essential that the driver has a clear vision behind the car in touring as well as in city work. The use of the plate glass rear lights or windows takes care of this nicely, and at the same time imparts a finished appearance to the car which is not there when lights in glass lights become scratched and dirty.

Better methods of storing side curtains and methods of more quickly attaching them in case of a sudden storm are also to be found on the new tops, and this is one of the things which an owner should insist on when buying a new car.

FIVE WAYS

To Make Your Battery Last Longer.

A list of five short rules on battery care has been made up for car drivers by I. Lessee, the local Willard expert. These rules are easy to remember, and if observed, will have a marked effect on both battery efficiency and life:

- 1.—Keep battery charged and filled to the proper level with the distilled water.
- 2.—If your engine doesn't start quickly make sure that gas and spark are right.
- 3.—Release starter at once when engine begins to run on its own power.
- 4.—Keep your spark plugs in good condition.
- 5.—Prime the engine if it's cold.

Utilized by Indians for cooking for years, Ecuador's petroleum deposits have been investigated by scientists with a view to commercial development.

An inventor has combined a calendar and savings bank, each date comprising a receptacle for a coin, which can only be removed by destroying the date.

Austria's first hydro-electric plant has been built on the Danube to supply Vienna with from 70,000 to 170,000 horsepower, depending on the water level.

Newest Notes Of Science

An instrument has been invented by a New York man to determine the correct balance of aeroplane propellers and measure possible differences between their blades.

Courses in carpentry and furniture making have been added to the Copenhagen Technological Institute with a view to making Denmark less dependent upon importations.

To warn motorists of danger at night on unlighted roads a signal has been invented that reflects through red glass rays that it receives from automobile headlights.

An Italian railroad is experimenting with interlinked sleepers, of reinforced concrete, so formed and used in conjunction with wooden blocks as to afford resiliency.

A special key and other attachments have been invented to permit any lantern to be used for signalling with the Morse code wherever a light circuit is available.

An arc lamp invented in Europe for projecting has a horizontal carbon rod for one electrode while the other is a water cooled copper ring surrounding the tip of the carbon.

What their Chicago inventor terms illuminated portraits are photographs printed on glass, colored by hand and mounted on shallow boxes into which incandescent lamps are inserted.

At a cost of about \$9,000,000 Japan will build a tunnel more than three miles long under a portion of the Shimonoeki strait to link to the mainland two towns now served by ferriboats.

Wind shields have been invented that can be mounted on the top of the front seat of an automobile to prevent the drafts caused by the usual shields inconveniencing persons on the back seat.

To double the capacity of a freight car for automobiles a Kansan has invented a deck that, when loaded, is lifted by pistons, operated by an electrically driven pump so more automobiles can be loaded under a single car.

To be connected with a piano or organ keyboard, a Swedish musician has invented electrical apparatus that transcribes music as it is composed upon a wax ribbon, from which it can be copied.

For filing sheet music so that it can be found easily an index tab on which a title and composer's name can be written and that can be attached to a single roll or several has been patented.

The British board of trade has established a national institute for training seed testers, that British can be written and that can be attached to a single roll or several has been patented.

A new form of printing machine cuts paper fed rolls into the proper sizes, uses colors of ink when desired and automatically changes the names and addresses for each letter produced.

To make the sight gauge of a stationary engine readable from a distance a German inventor has equipped a gauge with an arrow, the point of which follows the rise and fall of water in the glass tube.

For making tents, wagon covers and other articles of heavy fabric a motor driven sewing machine has been developed that makes two parallel rows of lock stitching at a rate of 1,500 stitches a minute.

British engineers have built over the River Tigris at Bagdad a bridge to withstand the heaviest traffic, yet which automatically meets the rise and fall of the river and can withstand severe floods.

For polishing metal a machine has been invented that does the work with a belt which passes at high speed over a pulley made up of an iron hub fitted with 235 leather blades to give it a cushion effect.

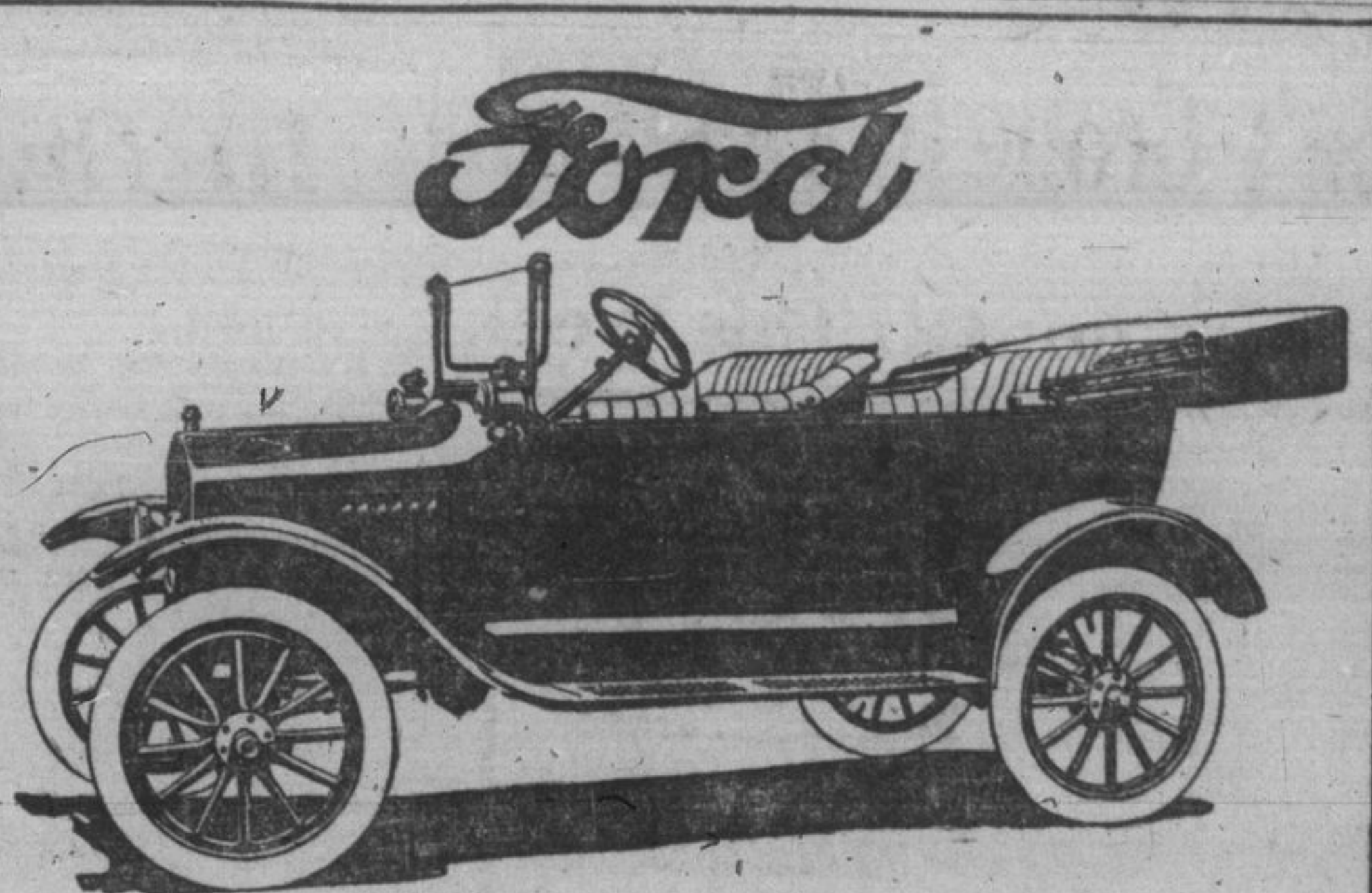
MOTURING RULES IN JAPAN

Ring the Horn, and Do Not Leave the Drivers Seat.

These traffic rules have been promulgated in Japan governing operation of automobiles, according to a letter recently received from a motorist in that country. As posted in English, the rules are:

1. You must drive your automobile at the speed of eight knots per hour on the city road and twelve knots per hour on the country road.
2. In narrow place of road, corner or bridge speed slowly.
3. When you see the policeman throwing up his hands you must not drive in front of him.
4. When you pass the corner and the bridge, ring the horn.
5. When you get ahead of the passenger on foot, or the cow or the horse, you must ring the horn.
6. When you meet the horse or the cow speed slowly and take care to ring the horn and do not be afraid of them. Drive slowly when you meet the horse and the cattle, do not make them afraid and carefully make the sound.—If they are afraid of the sound, you must escape a little while at the side of the road until they pass.
7. When you drive the motor car do not leave the driver seat and take care lest unexpected trouble happen.
8. Do not drive the motor car when you get drunk, and do not smoke on driver's seat.
9. When two cars are driving on same road, if there is another car in front of yours, you must keep sixty yards away from him, if you go ahead of him, ring the horn and pass him.
10. When you cross the railway, wait until the other train and other cars pass through.
11. When anything the matter with your car, you go to police station and tell him.
12. When you want to have a driver or exchange another, you must disclose driver's address, career and age.

To keep the feet of outdoor workers warm electrically wired insoles have been patented, which can be placed in any shoes into which sockets for connecting with sources of electric current have been installed.



"A Joan of Arc Machine"

SHE withstood everything in the field and above all was, and still is, the last and only car to survive until the cessation of hostilities"—Extract from letter received by Ford Motor Company from a British Soldier, in Africa.

Over shell-torn roads, through water soaked fields, second only to the tanks in its power to climb debris and crater holes, the Ford car made a world famous record in the fighting area of the great war. In press despatches, in field reports, in letters, in rhyme and song the praises of the Ford were sounded.

In France	-	700 cars out of 1,000 were Fords
In Italy	-	850 cars out of 1,000 were Fords
In Egypt	-	996 cars out of 1,000 were Fords
In Mesopotamia	-	999 cars out of 1,000 were Fords

The Ford power plant that established this world-wide record in every theatre of the war remains the same. It will be in the Ford you buy.

Ford Runabout, \$660. Touring, \$690. On open models the Electric Starting and Lighting Equipment is \$100 extra. Coupe, \$975. Sedan, \$1,175 (closed model prices include Electric Starting and Lighting Equipment). Demountable rims, tire-carrier and non-skid tires on rear as optional equipment on closed cars only at \$25 extra. These prices are f. o. b. Ford, Ont., and do not include War Tax.

Buy only Genuine Ford Parts. 700 Canadian Dealers and over 2,000 Service Garages supply them.

VanLuven Bros., Dealers, Kingston
G. H. Richardson, Tamworth J. A. Goodfellow, Parham

McNamee & Slack

That's the "bunch" doing business at the old Kelly shop, 54 Queen street. Repairing done promptly and promptly. Light wagons of various kinds for sale. We can build that truck body for you quickly. Horse shoeing. Phone 1217w.

ROBINSON & WILTSHIRE GARAGE

All kinds of cars repaired promptly. Cars washed, gas, oil, tires and automobile accessories.

1 Motorcycle and Sidecar. For Sale

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Willard

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On repair work of magneto of all kinds, including marine, stationary and motor cars, lighting, starting, and generating systems of all makes, and storage batteries. Inquire about the new threaded bone dry battery before purchasing.

WILLARD SERVICE STATION
19 Brock St. I. LESSES, Prop. Phone 1340

I FEEL ALL RUN DOWN. DOC

Now, if your auto's feeling sick, you then should bring it to us quick.

When your car starts to groan or squeak there's something the matter with it inside. If you don't understand auto-lingo you had better have us diagnose the case correctly. We can tell whether it needs a little oil tonic or if an operation is necessary. We render a painless bill.

Hart-Bell Carbon Removers installed, while the supply lasts, at \$6.00 each, or will be given away free with any automobile account amounting to \$60.00.

Oxy-Acetylene Carbon Burning:—

4 cylinders	\$2.50
6 cylinders	\$3.50
8 cylinders	\$4.50
12 cylinders	\$6.00

Davis Dry Dock Company

SET THE THAMES ON FIRE.

Result Was Greatest Shock to London Known for Centuries.

There is a saying in use about "setting the Thames on fire," when anyone does anything exceptional, says Spare Moments. This actually happened on June 30, 1861, when one of the most disastrous fires in the world's history broke out in Tooley street, near London Bridge, on that (Saturday) evening. A whole street of wharves and warehouses packed with valuable merchandise was entirely burnt out.

The fire raged for a month and the damage was estimated at many millions of pounds, thousands of chests of tea, barrels of Russian talow, oil and saltpetre being destroyed. The flames as they crept along were carried by the wind to the river and soon many barges were blazing. The excitement was great as the falling warehouses, tumbled over into the river with repeated crashes.

By midnight the scene as witnessed from London Bridge was one of the grandest and most terrible since the Great Fire of 1666, which, curiously enough, started within a stone's throw of this one. Streams of red-hot tallow poured down the river, and an army of thieves shovelled it into barges, raced off with it and resaped a rich cargo of tin.

A score of large, well-stocked buildings were destroyed with their contents, homes were plunged into mourning, and firms ruined.

A fortnight later the fire broke out again, and burned as vigorously as previously, four weeks elapsed before the flames died down again. Hundreds of thousands of tons of water failed to extinguish the conflagration. Thousands of men lost their employment and others who were brave enough to enter the blazing warehouses were never found again.

The fire was the biggest loss to insurance companies they had ever known, and the greatest shock to London for centuries. It took years to rebuild the street, and the memory of the fire still lives.

TODAY IN HISTORY

The Star Spangled Banner

One hundred and five years ago today, September 13, 1814, Francis Scott Key wrote "The Star-Spangled Banner," as the British bombarded Fort M'Henry, near Baltimore. Find another soldier. Answer to yesterday's puzzle: Right side down nose in left arm.

REO RELIABILITY. On schedule to the minute, on the job all the time and at a low cost of operation.

EVER HEAR OF A REO stopping save on the initiative of the driver? The Reo is as reliable as the sun in its orbit.

OVER SIZE BEARINGS. Which means being capable on occasion, of carrying twice, yes, three times its rated load, without danger of a breakdown.

Boyd's Garage,
129 Brock Street Phone 201

V-D-L TIRES Every Size a Supersize

For Protection, Durability and Long Service

To see V.D.L. Tires being made would immediately impress you with their great value and lasting qualities. The amount of care and patience exercised in their manufacture—the exceptional quality of material used and the rigid tests and critical inspections that each tire undergoes, enables a product to be marketed that is dependable in every respect.

Each V.D.L. Tire, whether Cords or Fabrics, assures you of a minimum travel range of 5,000 miles—and seldom is it that an adjustment is requested. Invariably V.D.L. Tires do far more than the mileage they are adjusted at.

Solid and massive, yet exceptionally resilient—V.D.L. Tires assure you of the greatest comfort and ease of travel.

Sold by dealers and garages throughout the Dominion. The 36 x 3 1/4 V.D.L. Cord is the only Clincher Cord Tire made in Canada for light cars.

V.D.L. Tubes are dependable and make ideal mates to V.D.L. Tires.

VAN DER LINDE RUBBER CO., LIMITED
TORONTO - CANADA

CANADA'S FUTURE

English Reviewer Sees Rich Prospects In West.

London, Sept. 12.—In the Nineteenth Century Review Moreton Freeman writes on Canada's fertile north-land mainly as regards land values. He thinks that ten years hence the twenty bushel wheat lands of Manitoba, Alberta or Saskatchewan may be worth \$150 an acre. Comparing the past and present urban values in Vancouver, and British Columbia, he recalls an auction of the Prince Rupert town site in 1909 when 200 acres were disposed of for \$7,500 an acre, which, at the outbreak of war stood at an average of \$75,000 an acre.

The writer has dreams of a new fishing city in the forests of Charlotte Island and believes that all the capital necessary for the development of a soldiers' and sailors' colony tributary to it could be provided by an auction sale in London of a 2,000 or 3,000 acres land grant from the British Columbia Government. Twenty thousand lots, Mr. Freeman says, should realize \$5,000,000.