

# MOTORS AND MOTORING:

## A Page Full of Interest to the Owner or Prospective Owner of an Automobile.

### THE CLUTCH A VITAL PART

The proper use of the clutch has much to do with the life and satisfactory service which a car should give. Probably every automobile driver knows that a gasoline engine will not pull unless it is running; that is, it will deliver no power at all as long as it is standing still. The engine must be free from the car until it is running under its own power and then connected with the driving wheels.

In order to make this connection between the engine and the driving wheels without a sudden jerk a friction device known as a clutch is used. The clutch, whether it is of the cone type or of the more popular multiple disc type is operated by the left foot pedal. The clutch is released by pushing down this pedal and is, on the other hand, engaged to connect the engine with transmission when the foot pedal is allowed to come up.

The life of the car in general and the transmission in particular, depends very much on the proper handling of the clutch pedal. If this is raised quickly it means that the clutch will take hold with a jerk and thus put an unnecessary load on the transmission and driving axle. The breaking of any one of these parts is fairly common and is practically always traceable to improper handling of the clutch.

In starting the car regardless of whether it is on the reverse, first, second or third speed gears, allow the clutch pedal to rise until there is a slight drag on the engine. This means that the clutch is just beginning to take hold. At this point, hold the pedal until the engine is slightly speeded up and then allow the pedal to rise very slowly as the car picks up speed. In changing from one speed to another, push down the clutch pedal while the gear change is being made in order to relieve the load from the transmission and thus prevent stripping or breaking off the gear teeth.

It is not good practice to drive with the weight of the foot continuously on the clutch pedal, one reason being that if the pressure is too great, there will be a slight slipping of the clutch, thus causing excessive wear. The other reason is that the thrust bearing is put to unnecessary wear, giving out in a much shorter time than it should. This perhaps explains why some clutches wear out much sooner than others even in the same make of car. It is the abuse of the clutch and not the use of it which causes the trouble.

**When Wear Affects Use**

In case your clutch becomes worn or is out of adjustment so that when trying to make the car pull up, the engine begins to speed up and the car at the same time begins to slow down, it means that the clutch is slipping. This can sometimes be remedied by washing the plates with gasoline, sometimes by an adjustment which is provided to prevent this slipping and if neither will remedy the trouble, then the solution usually lies in replacing the plates or relining the old ones, depending on the type of clutch used.

There is another trouble which is directly the opposite of the slipping clutch and this is known as the dragging clutch. This is caused by the plates becoming gummed up with oil which has partially congealed or by the plates sticking together when your clutch is released, or by the failure of the clutch brake to keep the clutch from spinning. If, when the car is standing, the clutch cannot be pushed into any speed without a grinding of the gear teeth, it means that the clutch does not stop spinning. This can often be helped by washing the clutch thoroughly with kerosene or by readjusting the clutch brake. If neither of these remedies stop the dragging, it may be necessary to pull down the clutch and increase the tension on the separating springs which hold the clutch discs apart.

### MARRIED

**CLARK-MACDONALD**—At the Congregational church, Atkinson, New Hampshire, by the Rev. J. Tutthill, Brenda, daughter of Mrs. Roderick Macdonald, Oakland Road, Halifax, N. S., and Mr. Eugene George Clark, of Hampstead, N. H. Present at the wedding were Miss Moya Macdonald, sister of the bride, now in training at Rhode Island Hospital, Providence, R. I.; Miss Ruth Walker and Mr. Sydney Mills, of Connecticut, friends of the bride.

### PROPER USE OF GREASE CUPS

A great many farm machines are provided with force-fed grease cups in which the grease is placed in the threaded cap and the cap then turned down so as to force the grease through a hole in the centre of the base into the bearing.

The purpose of these cups should be obvious to anyone who gives them even a casual glance. Screwing down the cap creates a pressure on the grease which will force it into a bearing even though the latter is a very close fit. Some men have the idea, however, that the cap is simply a retainer for the grease and that the grease will run into the bearing through the influence of gravity when the bearings get hot. They do not realize that the purpose of grease is to keep the bearing from getting hot and not to lubricate it after it has become hot.

Wherever grease cups are provided, there is a bearing which needs grease and the lubrication chart or instruction book which accompanies most machines usually gives instructions as to how often the grease cups should be turned down and the number of turns each time.

It is foolish to attempt to economize by using grease sparingly. Grease is not very expensive and an excess will seldom do any harm and will add very little to the expense. On the other hand running with insufficient grease for only a few minutes may damage a bearing as badly as to require the replacement of some parts at a cost for time and material which would buy more grease than the machine would use in its lifetime.

Use the grease cups on your machines as the manufacturer directs. Keep them filled and turn them down frequently. It is a good plan to keep grease working out from the ends of bearings. The excess can be easily wiped off and so long as grease is working out, dirt and grit cannot easily get in.

### PICKED UP ON THE ROAD

Corroded terminals should be first scraped and then cleaned with a strong solution of washing soda. After the corrosion has been removed and the terminals dried, grease the parts well with cup grease or vaseline.

When the hole in a gear case is so small that it makes the feeding of grease through a gun extremely difficult, screw into the hole temporarily an ordinary compression grease cup of large size, by which means a full charge may be inserted.

Even baby may go motoring. The recent London show had on display a motor-driven baby carriage. It is operated by the nurse who stands on a platform at the rear.

Three thousand automobiles were struck by trains at grade crossings in the United States last year, killing 2,000 persons and maiming 3,000 others.

If the bearings in the running gear are too tight, they will burn out; if too loose, the wheels will wobble.

### Auto Topics



### Short Circuits

A short circuit not only means diminished power but is a probable cause of fire. Ferret out a "short" as soon as you have any reason to suspect one. It pays in lower battery upkeep, increased power, and may save your car from total loss by fire.

There are other common causes of fire, some of which cannot be easily detected. Even a minor blaze in your car or garage means an outlay of cash for repairs. It is wise to insure your car against such loss.

Get automobile insurance here covering fire, theft, collision liability and property damage.

**H. P. DAVIDSON**  
INSURANCE  
WOLFVILLE, N. S.

Phone 217 P. O. Box 462

### FEED MOLASSES TO YOUR AUTO TIRES

Bicycle tires and inner tubes of automobile tires may be made quite safe from small puncture by using a liberal amount of the following mixture: Procure 1 pound of sheet glue and dissolve it in warm water—enough to dissolve the glue only. After the glue has been dissolved add 1 qt. of molasses.

Remove the valve and inject of this mixture—about one cupful—into a bicycle tire and a correspondingly greater amount in auto tubes, depending on their size. Replace the valve and blow up the tire. This mixture semi-hardens into an elastic jelly.

This treatment will stop all small leaks in a tire.

### MISSIONARY CONFERENCE HERE NEXT MONTH

The annual missionary conference under the direction of the Missionary Education Movement, which has become a regular feature of our summer's program, will commence this year on Tuesday, July 17th and continue until Wednesday, July 25th. This conference offers a rare and unique opportunity for gaining a knowledge of the world missionary enterprise, for securing training for missionary leadership and for spending a most enjoyable and profitable eight days, outing in the fellowship of leaders, missionaries and workers of all denominations. Its object is to inspire a larger and more effective service, to discuss the best methods for promoting missions in the various church organizations, to deepen the prayer life and to lead all to relate their lives definitely to the plan and purpose of God. The spacious accommodation afforded by Acadia Ladies' Seminary, with its wide and beautiful grounds is again placed at the disposal of the conference and leading speakers and thinkers of the different branches of the church will be among the leaders of the conference. It is expected that the attendance this year will equal if not exceed that of previous gatherings and that a most profitable and enjoyable time may be spent by all.

Minard's Liniment for sale everywhere.

### SPEED BY-WORD FOR "FAST MAIL"

Speed is the by-word for "The Fast Mail", and the action in this picture rival's the speed records for world's record events. All critics agree that the steamboat race, the race in the automobile and the steeplechase race are the fastest and most thrilling ever attempted for the camera.

Lightning-like camera work was necessary to show the speed with which this picture moves. It will be seen at the Wolfville Opera House Friday and Saturday, June 29-30.

### WINDSOR CELEBRATION-JULY 2ND, 1923

Excursionists wishing to attend the above celebration can travel by train No. 96 leaving Kentville at 8.25 a. m. on Monday, July 2nd, for Windsor. Returning leave Windsor same evening at 11.00 p. m. for Kentville on train No. 99 which will stop at all stations where there are passengers to set down, between Windsor and Port Williams inclusive. Both train No. 96 and No. 99 will carry extra coach equipment. Reduced fares have been named for this event. For further particulars apply to Ticket Agent.

Minard's Liniment Relieves Neuralgia.

### CARS FOR SALE!

- Maxwell—1921 Model
- Chevrolet—1921 Model
- Gray Dorr—1920 Model
- Ford—1920 Model
- McLaughlin—1919 Model

All cars in good shape.

Write or phone, if you have a used car you wish to sell.

I buy or sell used furniture, stoves, etc.

Sales Room opposite D. A. R. Station

**O. D. PORTER**

Auctioneer Real Estate Insurance

The Studebaker Light-Six Sedan \$2225

**—But You Can't Ride on the Paint!**

Imitation diamonds can be made to look so real and sparkle so brightly that it is difficult to tell them from the genuine.

But try to sell one and you will find out its real worth in a flash.

Same with automobiles. Weaknesses of construction in a closed car can be hidden, for a time, with paint and varnish and fancy fittings. But all is not quality that glitters.

You can't ride on the paint. And when you place such a car in the second hand market, you suffer a heavy depreciation, because it lacked real intrinsic value at the outset. Use will never improve a mediocre product.

Motor car owners tell us that the trade-in value of any Studebaker car at the end of three or four or five years of useful life is greater than on any other car built today—the percentage of depreciation is the lowest.

No wonder the Studebaker Light-Six Sedan is the fastest selling quality Sedan in the world!

The name Studebaker stands for quality, durability, comfort and integrity.

**W. A. REID**  
WOLFVILLE, NOVA SCOTIA

MODEL AND PRICE—F. O. B. Wolfville, N.S.—Delivered to You	
Light-Six	Big-Six
touring 1175	touring 1475
Roadster (2-Door) 1275	Roadster (2-Door) 1575
Coupe (2-Door) 1375	Coupe (2-Door) 1675
Sedan 1475	Sedan 1775

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THIS IS A STUDEBAKER YEAR

**Oxy Acetylene Welding**  
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**Battery Repairing**  
Electrical work of all kinds  
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Store formerly occupied by J. F. Calkin.

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**OXY-ACETYLENE WELDING and BRAZING**  
Steel, Iron, Aluminum, etc. at the I. X. L. Vulcanizing Plant.

Tires are advancing in price. Better have your old tires repaired. Try New Tread on Worn Cord Tires and save money.

**GAS - OIL - AIR**

**I. X. L. VULCANIZING PLANT**  
WOLFVILLE, N. S.

**Hutchinson's Bus Service**  
EFFECTIVE JUNE 1st

**Wolfville and Kentville Route**

Leave	Via	Arrive
Wolfville 7.00 a. m.	Main Road	Kentville 7.30 a. m.
Kentville 7.45 a. m.	Main Road	Wolfville 8.15 a. m.
Wolfville 9.30 a. m.	Main Road	Kentville 10.00 a. m.
Kentville 11.15 a. m.	Pt. Williams	Wolfville 12.00 noon
Wolfville 1.30 p. m.	Pt. Williams	Kentville 2.15 p. m.
Kentville 2.30 p. m.	Main Road	Wolfville 3.00 p. m.
Wolfville 3.30 p. m.	Main Road	Kentville 4.00 p. m.
Kentville 4.15 p. m.	Main Road	Wolfville 4.45 p. m.
Wolfville 5.45 p. m.	Main Road	Kentville 6.15 p. m.
Kentville 6.45 p. m.	Main Road	Wolfville 7.15 p. m.
Wolfville 7.30 p. m.	Main Road	Kentville 8.00 p. m.
Kentville 9.00 p. m.	Main Road	Wolfville 9.30 p. m.
Wolfville 9.45 p. m.	Main Road	Kentville 10.15 p. m.
Kentville 10.30 p. m.	Main Road	Wolfville 11.00 p. m.

**SUNDAY SCHEDULE**

Leave	Via	Arrive
Wolfville 10.00 a. m.	Main Road	Kentville 10.30 a. m.
Kentville 12.15 p. m.	Main Road	Wolfville 12.45 p. m.
Wolfville 2.00 p. m.	Main Road	Kentville 2.30 p. m.
Kentville 3.00 p. m.	Pt. Williams	Wolfville 3.30 p. m.
Wolfville 4.00 p. m.	Main Road	Kentville 4.30 p. m.
Kentville 5.00 p. m.	Main Road	Wolfville 5.30 p. m.
Wolfville 6.30 p. m.	Main Road	Kentville 7.00 p. m.
Kentville 7.30 p. m.	Main Road	Wolfville 8.00 p. m.
Wolfville 9.00 p. m.	Main Road	Kentville 9.30 p. m.
Kentville 10.00 p. m.	Main Road	Wolfville 10.30 p. m.

**Kingsport and Canning Route**

Leave	Via	Arrive
Kingsport 7.00 a. m.	Pt. Williams	Wolfville 8.00 a. m.
Wolfville 8.30 a. m.	Pt. Williams	Kentville 9.00 a. m.
Kentville 10.00 a. m.	Canard St.	Kingsport 11.00 a. m.
Kingsport 1.00 p. m.	Canard St.	Kentville 2.00 p. m.
Kentville 3.00 p. m.	Canard St.	Kingsport 4.00 p. m.
Kingsport 5.00 p. m.	Pt. Williams	Wolfville 6.00 p. m.
Wolfville 6.20 p. m.	Pt. Williams	Kingsport 7.20 p. m.
Kingsport 7.30 p. m.	Canard St.	Kentville 8.30 p. m.
Kentville 10.30 p. m.	Canard St.	Kingsport 11.30 p. m.

**SUNDAY SCHEDULE**

Leave	Via	Arrive
Kingsport 10.00 a. m.	Canard St.	Kentville 11.00 a. m.
Kentville 12.00 noon	Canard St.	Kingsport 1.00 p. m.
Kingsport 1.45 p. m.	Pt. Wms. & Bel. St.	Kentville 2.45 p. m.
Kentville 3.00 p. m.	Canard St.	Kingsport 4.00 p. m.
Kingsport 5.00 p. m.	Canard St.	Kentville 6.00 p. m.
Kentville 6.30 p. m.	Bel. St. & Pt. Wms.	Kingsport 7.30 p. m.
Kingsport 8.30 p. m.	Canard St.	Kentville 9.30 p. m.
Kentville 10.00 p. m.	Canard St.	Kingsport 11.00 p. m.

Have you shined your shoes today?

**2 IN 1**  
Shoe Polish  
Saves You Money

Panel 1: "MOMMY OVER TO THE AGENT... TAKE ME A SET OF TICKETS FOR TOMORROW - GET THE BEST IN THE HOUSE."

Panel 2: "NOT LIKE A GUY... BUT CAN'T BE... WORRYING JOBS."

Panel 3: "WELL WE'VE GOT IS ONE... SEAT IN THE GALLERY AND ONE IN A BOX."

Panel 4: "SOLD."

Panel 5: "I GOT VARIETY - ONE TICKET FOR A BOY AND ONE FOR THE GALLERY - ONE'S RED AND ONE'S BELLER."

Panel 6: "AMIGOSH! THAT WINKY DO - I WANT TO TAKE MY WIFE."

Panel 7: "WELL - THEY'RE BOTH FOR THE SAME SHOW."

Minard's Liniment relieves Burns, etc.