The Car Owner's Scrp Book

BY G. W. DONALD

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Cleaning the Differential

Old grease can be removed from the differential by the following easy method. Place about one pint of kerosene in the differential and then run the car for an hour or two. The kerosene will mix with the old grease and loosen it so that it will run out very readily. Then refill the differential case with kerosene and operate the car for another hour or two on a level road. Kerosene is not a good lubricant, so the car should not be forced to pull heavily on hills. Repeat this operation a third time and by draining again all of the old stiff grease should be thoroughly cleaned out. Complete the task by filling with transmission grease to the proper level.

ONE Drop of Water

Just one little drop of water in the carburetor can cause a great amount of trouble. If the engine misses, and every other possible cause has been eliminated, try draining the carburetor. If a small quantity of gasoline is caught and held in the palm of the hand, the water will be repelled by the gasoline and form globules.

A Radiator Suggestion

Few car owners realize that if the fins of the radiator become clogged with mud it greatly impairs the cooling effectency. An excellent method for cleaning is to remove the hood from the car and then squirt water through the fins from the rear of the radiator. Never use a stick or any hard tool to poke the mud from the crevices. These fins are delicately constructed and they should be treated accordingly.

Cotter Pin Hint

The removal of a cotter pin and the slackening off of the nut is never difficult, but lining up the nut and the cotter pin hole when replacing often becomes very tedious, for there are many awkward places around the car where nuts are cottered. But this difficulty can be overcome if, before removing the cotter pin, a small line is filed across the end of the bolt, exactly where the cotter pin hole is drilled.

When the Engine Stalls

If the motor stops for no apparent reason and refuses to start here are the probable reasons: Gasoline tank empty, gasoline valve shut, carburetor needle value shut, spray nozzle obstructed, carburetor strainer clogged, air lock in the fuel line, water in float chamber above nozzle, water in fuel line frozen, vacuum tank connection leaking, cylinders flooded with gasoline.

Distributor Trouble

Should there be a leak in the high tension wires, a spark may be jumping inside the distributor which cannot be seen. To prevent this, the cover of the distributor should be removed occasionably and all of the dust wiped out thoroughly.

Winter Battery Sugestions

When a battery turns the starting motor it is working to its full capacity. However, in winter, when starting is far more difficult, a battery is often completely drained in attempting to start the engine. When the battery no longer turns over the motor, allow it to rest for a few minutes and it will usually recuperate sufficiently to turn the engine again.

Allowing a battery to remain in an uncharged condition is injurious at any season of the year, but particularly so during the cold months, on account of its freezing. When a battery is in a discharged condition the acid content of the electrolyte is very low and as the electrolyte freezes the water expands. And as there is electrolyyte in all of the inner parts of the plates the water, as it expands in freezing forces the paste out of the grids, also cracks the jars, and in many instances forces open the ends of the battery box. After a battery has frozen it is practically beyond repair. Freezing can easily be avoided by keeping the battery in a fairly well charged condition during the cold months. A fully charged battery, with a specific gravity of about 1.280, cannot freeze above 90 degrees below zero. But in a discharged condition with a gravity around 1.250, 5 degrees above zero will cause the electrolyte to freeze.

Use for Burnt Out Bulbs

Beautiful Christmas tree ornaments can be made from electric light bulbs which have outlived their usefulness. Get some waterglass, which is used for preserving eggs, and a box of water colors such as children use for coloring pictures. Mix the waterglass, which comes in the form of a white powder, with water and add coloring matter until the desired shade is obtained. Then dip the bulbs and hang up to dry. If a more durable job is desired, paint the bulbs with oil paint. Wrap some wire around the shank of the bulb and form a hook for a hanger. The engaging pins will prevent the wire from slipping off.

Starting a Cold Engine

One method of starting a cold engine during cold weather is by means of ether. If the engine is not provided with priming cups, and very few of the modern engines are, remove the spark plugs and put about a teaspoonful of ether in each cylinder. Carry a bottleful of ether in the car and it may prove very convenient when on the road.

Be Patient

When making motor adjustments of any kind, be patient and results will justify the few extra minutes consumed. The effects of adjustments are not always felt instantly. After a carburetor adjustment, for example, the motor must be given a little time to "feel" the change that has been made, and the immediate result after turning a needle valve or an air valve spring is not always apparent.

WHY DO WE SO OFTEN FORGET and push the starter button while the engine is running.

EYESIGHT EXAMINATION

Fitting and supplying Glasses, etc.

H. J. MABON

OPTOMETRIST

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GAVE HIS LIFE FOR HIS SONS

One of the greatest epics of heroism the north country has ever recorded has been written into history with the death of George Ferguson, Kearns township farmer, near New Liskeard, Ontario, who gave his life that his sons might live when fire destroyed their little home. His body, a flaming torch, he rushed into the cabin and bore the three boys to safety, and later died in hospital. The illustration shows the survivors and scene of the tragedy. (2) shows Walter Ferguson, 7, whose feet and face were scorched, (3) is of Ernest, 8, on the LEFT, and Hugh, 5, RIGHT, lying in bed at the New Liskeard hospital with their hands and arms bandaged, and (1) shows all that remains of the farm house. Startling developments in connection with the fire were predicted when the inquest is continued next Tuesday by Dr. W. C. Arnold, coroner of Haileybury, but later statements have discounted this.

ARC WELDING TO SUPPLANT RIVETING

The rivet and the iron casting are due to be supplanted in the near future by arc welding, according to a prophecy made by W. S. Rugg, Vice-President, Westinghouse Electric and Manufacturing Company, in a statement announcing the near completion of the largest arc-welding laboratory in the world, located at his Company's East Pittsburgh headquarters.

"Arc-welding will, within a few years supplant the rivet in structural work and, to a large extent, the foundry for cast machine parts," stated Mr. Rugg.

"The progress made in the past few years in the arc welding of various types of structures has received so much attention that the public has not been aware of a similar state of development in welding machinery of all kinds.

"We have made such progress in various applications of arc welding to industry, however, that it may be freely predicted that the riveting shop and the foundry are due for some serious competition from welding processes. The riveting process will probably be supplanted largely by arc welding while a large part of the machine parts made by foundries, will in the future consist of built-up welded shapes.

"The progress which has been made in the arc welding of various types of structures is strikingly demonstrated in a review of Westinghouse applications of the new method of steel erection. Within a comparatively brief period, we have erected by the arc welding process two buildings in our Sharon, Pa., Works; one building in our Derry, Pa. Works; seven buildings in our East Pittsburgh, Pa. headquarters; a bridge 55 feet long at Turtle Creek, Pa., and a bridge 175 feet long at Chicopee Falls, Mass. Altogether these structures involved the arc-welding of nearly 1600 tons of steel.

"At the present time the Westinghouse Company is planning three more buildings, all of which will be welded."

Huge Arc Welding Laboratory

The entrance of arc welding into the machinery fabrication field is given impetus by the new Westinghouse arc welding laboratory, according to Mr. Rugg. This structure will be 75 feet wide, 170 feet long and 40 feet high. The structure houses a 50 ton crane and in addition to the installation of arc-welding equipment, it will have massive rolling and forming equipment to be used for forming and shaping the various parts that go into welded machinery. These included motor frames, generator frames, motor rotor rims, and motor end bells.

Mr. Rugg exempts only two classes of structures from the inroads of arc welding. Those structures for which a fabricated steel construction cannot be justified are small pieces built in great quantities, such as the frame and brackets of small diameter motors and structures of such peculiar shape that they are not readily made from such commercial shapes of steel as bars, beams and plates.

A list of the products Westinghouse expects to weld in the future include turbine generator frame, locomotive frames, synchronous motor frames and spiders, boxes, machinery bases, floor plates and tanks miscellaneous machinery parts, industrial heating apparatus, steel pipes and shop furniture.

At the present time in East Pittsburgh, a 26 ton turbine generator frame entirely welded is being fabricated on the shop floors. This generator, one of the largest in the country, will be installed in a New York station of the United Light and Power Company.

FORTUNE BRIDGE SCHOOL

Following is the report of Fortune Bridge school for the month of Oct.
Grade X.—1. Minnie McKenzie, 2. Daisy Johnston.
Grade 1X.—1. Cyril Johnston, 2. Clara Burke 3. Lela Jackson.
Grade V111.—1. Gladys Aitken 2. Wallace Francis, 3. Elizabeth Francis 4. Lester Johnston 5. Lester Burke.
Grade V1.—1. Basil Johnston, 2. Jean Conohan 3. Frank McClumpha.
Grade V.—1. Dorothy Johnston, 2. Edward Francis 3. George Dixon.
Grade 111.—1.Dorothy Dixon,2. Edna Burke, 3. George Francis.
Grade 1 Sr.—1. Nora Jackson, 2. Elsie Dingwell, 3. Fred Coffin.
Grade 1 Jr.—1. Laura Dixon and Beulah Coffin, (equal) 2. Thorley Burke, 3. Dorothy Burke.
Perfect Attendance:-
Daisy Johnston, Dorothy Johnston Thorley Burke, Dorothy Dixon, Emily Dixon.

Mary Irving Principal,
Hazel Green Assistant

Hunter River And Vicinity

Miss Ruth Cutcliffe, Cape Traverse, is spending a few days with friends here.

Miss Janie Andrews is spending a week with her sisters Mrs. Barrett and Mrs. Green, of Kingston.

Messrs J. A. Moore, Charlottetown and P. J. Noy, motored to Northam, on Wednesday, returning the same evening.

It is pleasing to note that Mrs. Howard Rackham, Fredericton, who underwent an operation in the P. E. I. Hospital recently is progressing and expects to return shortly to her home.

Among the tbusiness men here during the week were, Messrs Harry James, representing Moirs Ltd., Halifax, Elmer Dunning, representing Barbourn's Ltd., St. John, and J. A. Rattenbury of J. N. Rattenbury Ltd., Charlottetown.

Mr Chester MacLeod, son of Mr. William MacLeod formerly of Hartsville, now of Quincy Mass., who is spending a holiday with many friends on the Island, was the guest this week of Mr. and Mrs. J. S. MacLeod.

Much interest was taken this week by parents and pupils alike in the visit to the school of a Public Health Nurse, Miss I. G. Gillan, Charlottetown, while here, Miss Gillan was a guest at The Globe Hotel.

In a recent list of successful McLeangram Contestants, appear the name of Mr. J. Arthur Jardine, Bradalbane. He was awarded one of the ten dollar prizes in the No. 51 McLeanogram. These contests are regular features of the "MacLeans" —Canada's National Magazine.

Her many friends regret that Mrs. John B. Spence met with a painful accident on Sunday evening, while driving to church, the horse, on leaving the road for an approaching car, upset the wagon over a small bridge. The other occupants, Mr. Spence and little grandaughter Jean Edwards escaped unhurt, but Mrs. Spence had her wrist and arm broken and will be confined to her home for some time.

On Thursday evening the Young Peoples Group was re-organized for the winter months. Nineteen members gathered in the United church and their pastor Rev. Mr. Chapman presided. The officers elected were Hon. President, Rev. A. E. Chapman B. A. President, Mr. Gordon Carew Vice-President Miss Helena McMillian, Secretary, Miss Dorothy Cutcliffe, Trasurer Miss Mildred Carew, Organist Miss Hazel Seller, and the following committees for next night of meeting Devotional Leader, Miss Mildred Ferris, the Socal Committee, the Misses Esther Dixon and Dorothy Dingwell. The next night of meeting Devotional evening, Nov 22nd. in the Parsonage at 7.30 o'clock and all the Young folk who are interested are cordially invited to attend. A program for a Temperance Rally is being prepared by the Young People and will be held at a regular church service at an early date. L

ALARM CLOCK FREE

You need save only five (5) sets of "Poker Hands" to have this attractive Alarm Clock ticking away in your home, keeping the right time, all the time.

Smoke Rosebud Cut Plug and save the "Poker Hands" packed with it. All the time you are saving for the Alarm Clock, you are enjoying a tobacco of exceptional quality, mildness, flavour and lasting satisfaction.

This Alarm Clock is one of many presents procurable in exchange for "Poker Hands".

Dealers everywhere have Rosebud in 10c and 15c packages.

Smoke **ROSEBUD** and Save "Poker Hands"

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ANY QUANTITY ANY QUALITY

Highest Market Prices Paid For

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November 20th & 21st
Tuesday & Wednesday
Wholesale Prices

$ DOLLAR DAY $

November 20th & 21st
Tuesday & Wednesday
Wholesale Prices

TWO DAYS OF GREAT REDUCTIONS IN PRICES. A PROFIT SHARING EVENT WITH OUR CUSTOMERS. FOUR SHOPPING FLOORS WITH THE LARGEST AND BEST SELECTED STOCK IN THE CITY TO CHOOSE FROM. ALL WE ASK IS FOR YOUR COMPARISON. EVERYTHING OFFERED AT WHOLESALE PRICES.

Dollar Day Lingerie

Women's Vests	24c
Pantie Dresses	$1.98
Corselettes	89c
Silknit Vests	85c
Silknit Bloomers	85c
Princess Slips	89c

Boy's Wear

Boy's Knickers	79c
Boy's Bloomers	$1.49
Boy's Braces	19c
Boy's Coats	$3.98
Boy's Mackinaws	$3.98

Yard Goods

1000 yards Grey Cotton	9c yard
2000 yards Flannelette	14c yard
500 yards Prints	22c yard
25 dozen Towels	29c pair
2000 yards Pongee Silk	39c yard
Linen Damask	98c yard
Curtain Scrim	12c yard
Needlepoint Coating	$2.98 yard
Lovely Chintz	24c yard
Celanese	$1.35 yard
25 pieces Fancy Dress Crepe	98c yard
8 pieces Coatings	HALF PRICE
6 pieces Dress Flannels	HALF PRICE
Corded Velvet	89c yard
Kimona Cloths	54c yard
Pyjama Flannelettes	32c yard

Wholesale Prices

Women's Dresses $7.98

15 only Cloth and Jersey Dresses in an assortment of styles and colors.

Silk Dresses $6.98

12 only Silk Dresses worth up to $12.00. On sale Dollar Days.

Taffeta Evening Dresses, 8 only selling at $10.00. Just a lucky buy.

Wool Blankets

Lovely warm wool blankets size 60 x 80 inches, red or blue borders. On sale Dollar Days at ..... $6.98 pair

Wholesale Prices on Trunks, Suit Cases, Wardrobe Trunks, Linoleum, Barrymore Rugs, Fur Coats, Millinery, Horse Rugs, Children's Wear, Yard Goods, Sweaters, etc., etc.

The Best Dollar Day Values in Women's Coats in the City

Coats of newest fabrics, including Black, Biege, Midday Blue and Grey. Our prices defy competition anywhere. Every Coat in the store discounted. The best showing of Fur Coats on the Island.

25 WOMEN'S COATS 20% DISCOUNT
New seasons Coats at various prices, selling at 20% discount in all new shades and cloths.

10 ONLY COATS HALF PRICE
10 only Women's Coats, frankly they are last seasons, but at ½ price they are excellent value.

Dollar Day Values in Men's Coats

Big warm Overcoats for the cold days ahead. Blues with ulster collars, also with velvet collars. English Meltons, Barrymore Cloths in six shades. See our blues at $13.95

Mens Caps 98c
Mens Hats $2.48
Boys Caps 69c

10 Doz. Hats $1.00

Just a lucky purchase in our Millinery Department, different patterns to choose from. Worth much more than this price. Mostly all felts.

Women's Gloves 69c

Chamoisette with fancy cuff, in different shades.

Furs

Furs of all kinds. South Sea Seals, Muskrat, Raccoon, Karacule, Baby Goat, etc.

Boy's Department

THIRD FLOOR

Suits that will appeal to the boys and young men in the famous Prince and Armour Cloth makes. See our special suit at $5.98

In the Basement Store

50 DOZEN BOY'S WOOL HOSE
Boy's warm winter hose in black only 35c

CLUB BAGS
A few left over from our last sale $1.29

WOMEN'S COATS
20 only Women's Coats will be sold Dollar Days at clearing prices. All sizes.

WOMEN'S RAINCOATS
25 only Women's Raincoats in blues, reds, green. All sizes selling at ... $2.98

Men's Wool Work Hose, in grey only. Buy ½ dozen pair at ..... 19c pair

BOY'S SWEATERS 98c
In different styles and all sizes.

S. A. McDONALD

Men's Furnishings

Work Shirts	89c
Braces	38c
Fleece-lined Combinations, Suit	$1.35
Boy's Combinations, Suit	95c
Men's Sweater Coats	$1.59
Men's Mufflers	98c
Men's Overalls	$1.35
Men's Dress Suits	89c
Boy's Leather Windbreakers	$7.98
Boy's Wool Gloves	49c
Boy's Sweaters	98c
Men's Fine Combinations	$1.98

Full-Fashioned Hose $1.29

1000 pairs, every pair perfect, every pair of thread silk, every pair full fashioned. Every pair guaranteed!

Women's Cashmere Hose	69c
Women's Silk and Wool Hose	69c
Girls Silk and Wool Hose	69c
Women's Fleece Lined Hose	39c

Comforters $2.89

20 only, big warm Comforters, just a special picked up by our buyer, worth more than this price.

Wholesale Prices In Every Department November 20th and 21st