

ELECTRIC CAR IDEAL, EASY TO OPERATE, IN OPINION OF EXPERT

Auto Not Costly to Maintain, and Is Popular With Women, He Says.

By L. H. Reese.
During the past 3 years electricity has played an important part in the development of all communities in which the modern idea of progress has in any way been evident. People the world over are beginning to realize that "anything not electrical is not modern."

Everything electrical has shown a marked improvement in popularity and construction, especially the "electric car." Nine years ago when the "electric car" was first struggling for recognition many rash statements and promises were made, especially regarding mileage it was possible to make. Invariably the cars could not make mileage promised and as a result the "electric car" lost much of the prestige it should rightly have enjoyed. These original drawbacks have been overcome and the "electric car" of today, and I speak with particular reference to the "Detroit Electric," embodies all the mechanical features considered up-to-date and standard by the high grade motor car manufacturers.

Car Room to Women.
The principal field of usefulness for the "electric car" now is in the cities and suburbs because the majority of such services comes within the limits of 50 to 100 miles.

While it is to the woman that the "electric car" owes its marked progress its advantages are becoming more and more appreciated by business and professional men who value its reliability and cleanliness and ease with which it may be operated in congested traffic. As a woman's car, the "electric" is ideal because of its simplicity of operation, making the woman driver entirely independent of a chauffeur. Its great promise of usefulness, however, is fulfilled as a family car.

For shopping, the theatre, afternoon calls and short country runs, the "electric car" without a doubt occupies a field all its own. These desirable features are becoming better known each year and it is rapidly taking its place as a practical motor car which will carry one on business or pleasure about the town or on short country trips of necessity or pleasure.

Maintenance Not Costly.
Many people labor under the false impression that an electric is an expensive car to maintain. This is not at all so. The expense of operating an "electric car" costs about one-third of the operating expense of a gas car. General upkeep will not amount to more than 17 per cent.

Truly the usefulness of an electric cannot be estimated and no one knows the real worth of an electric until they have become an owner. The "electric car" enclosed and heated in winter is the ideal car having all the luxuries of a big expensive limousine without the big maintenance expense. In summer the car with the windows down and the top protecting the driver from the sun is cool and comfortable. It is also ready at any time to protect from rain and mud. In fact, the "electric car" is the only car which is so clean and easy of operation that it can be used without embarrassment or trouble by any member of the family.

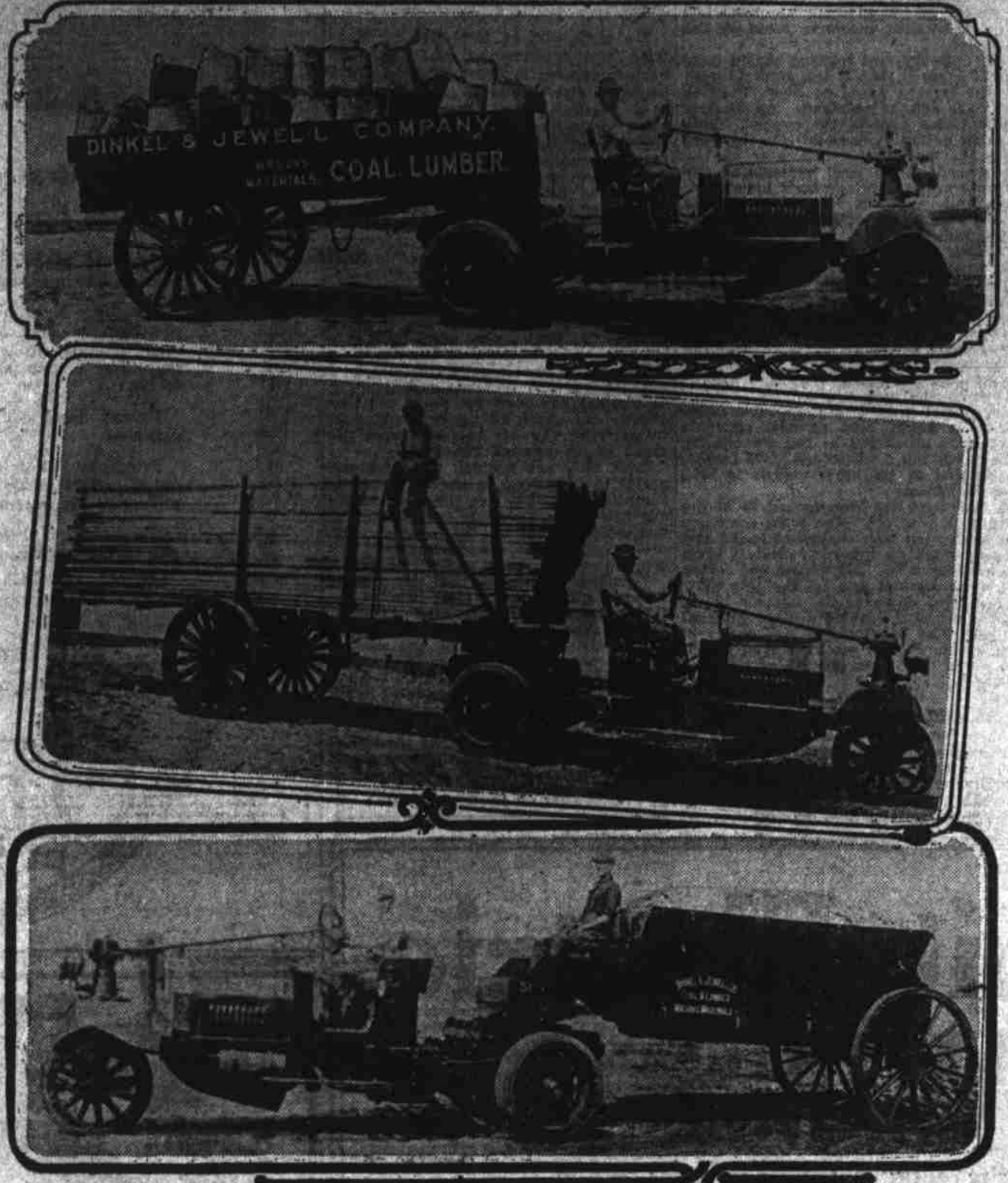
BETTER ROADS WILL BE URGED AT BANQUET OF PORTLAND AUTO CLUB

Ex-Senator Bourne the Main Speaker of Evening; Seek New Members.



Jonathan Bourne Jr.
The Portland Automobile club, through the chairman of the membership committee, C. F. Wright, has arranged for an elaborate dinner to be given at the Oregon hotel Wednesday evening of this week. The purpose of the dinner is to promote enthusiasm among automobile owners and increase the membership of the club to 1000 members.
The subject of better highways in Oregon will also be given an important place on the program, and ex-Senator Jonathan Bourne Jr. will be the principal speaker of the occasion.
Mr. Wright reports that more than 100 reservations have already been filed with the assistant secretary of the club.
Mr. Wright will act as toastmaster. In addition to the speaking on good roads and membership there will be musical stunts interspersed with vaudeville acts and cabaret singing furnished

TRACTOR'S VERSATILITY ENABLES QUICK CHANGE FROM ONE VEHICLE TO ANOTHER



Views show how one tractor can be employed to supply motive power for different vehicles.

A good illustration of the wonderful versatility of the Martin tractor is afforded by the system used by the Dinkel & Jewell Co. of Tarrytown, N. Y. This firm runs a combined coal, lumber and mason supply business, necessitating the use of several different body types according to the respective commodities carried. A motor truck with one body type would therefore be of little service, but the tractor with its ease of attachment to any type of body at the fifth wheel lends itself readily to this miscellaneous work.

The three principal types of bodies used with the tractor are shown in the illustration, consisting of a large coal body, suitable for carrying coal either in bulk or in bags up to a capacity of eight tons; also a large extension type of lumber body with latest type of dumping mechanism, and a modern bottom dumping road material wagon.

The change from one body to another is effected easily in a very few minutes, each body being left in the yard jacked up at the front and ready for the tractor to be taken under it and couple at the fifth wheel by ordinary king pin. In this manner the tractor can be kept constantly busy filling the company's orders regardless of the character of the work with the smallest possible delay and at a very low investment cost.

The change from one body to another is affected easily in a very few minutes, each body being left in the yard jacked up at the front and ready for the tractor to be taken under it and couple at the fifth wheel by ordinary king pin. In this manner the tractor can be kept constantly busy filling the company's orders regardless of the character of the work with the smallest possible delay and at a very low investment cost.

It is believed that the river will raise higher yet. The gasoline launch Charm is also plying again between Portland and La Center, leaving La Center at 8 a. m. It makes the trip in three hours.

Carnar Quits Castle Rock.
Castle Rock, Wash., Nov. 8.—Castle Rock loses and Portland gains a good citizen, since A. W. Carnar, who last Saturday handed over the postmaster-ship in this city to his Democratic successor, has disposed of his large general merchandise store here and will join his family in their home in Portland. Mr. Carnar was an efficient official, as well as a popular merchant. His successor in the postoffice is Joseph O'Neill, an attorney.

La Center Makes Port.
La Center, Wash., Nov. 8.—The steamer La Center came up to La Center for the first time this month on account of the rise of the river. The boat had a large cargo and was none the worse for the accident it had with the Shaver on the Willamette.

L. W. HILL TAKES AUTO WITH HIM IN PRIVATE CAR



When one puts one's private auto-car into one's private railroad car, that surely should be privacy enough for any reasonable person. This is what Louis W. Hill, presiding genius of the Great Northern railway, does with his car while preaching the great development and good roads gospel to the farmers of the northwest. The car is railroaded to a convenient center, from which Mr. Hill makes auto trips to the various sections of the country in which he is interested and which cover the entire Northwest.

ELECTRIC CAR MAKERS ARRANGE INSPECTION SERVICE WITHOUT COST

Scheme Not Materially Different, However, From That Heretofore Supplied.

Electric vehicle owners are in a position now to be able to tell beforehand approximately what their car will cost each year for operation, due primarily to the work of the Electric Vehicle Manufacturers' association. This body, composed of 11 electric carmakers, has defined service and the members live up to the definition, as follows:

"Service means free inspection once each month at the garage or service station, provided it is sent to the station at the time specified by the seller. A charge will be made for this service unless the car is delivered at the station on the day agreed upon. No charge will be made for examining wiring, motor, controller, brakes, steering, running gear or an examination of the battery to determine its general condition and whether it is being flushed and cared for."

"No charge will be made for oiling the entire car, which does not include repacking of bearings or gears, in grease. If inspection develops any needed repairs, due to natural wear, accidents or other causes, the owner will be notified of same and an estimate of the cost of doing the work furnished. This service in no way eliminates the responsibility of the garage in which the car is kept."

What Buyer May Expect.
The above definition gives the prospective purchaser an idea of what he is to expect in the way of service from the dealer. But most of the dealers give more than that specified above and without charge. All the Chicago agencies have service wagons and day and night service. The service wagon is kept in the garage and waits for a call from some owner who is unable to get his car going. Immediately the service wagon starts for the derelict. The wagon usually carries two extra wheels, a set of batteries and all the necessary parts to get a stranded vehicle in operation.

The only charge made for this service is for the mechanic, in the event that the break or failure of the part was the fault of the owner. If a front axle breaks from no misuse, apparently, the owner is not charged.

In Chicago any type of electric is maintained for \$40 per month in the public garage. With this cost all the owner need do is drive the car around town and when through leave it at the house. It is called for and delivered by the garage. The only work which the \$40 does not include is repairing of the essential parts.

In Other Cities.
In Detroit the fixed charge for maintaining an electric ranges from \$30 to \$40 per month, according to the size of the vehicle and its battery and whether it is called for and delivered by the garage.
In Kansas City full garage service, including charging, washing, storing and polishing, is \$40 per month, which includes calling for and delivering the vehicle to the owner's residence. If the vehicle is within walking distance of the garage the charge is \$3 less per month. Should the owner wish to call for and deliver the car himself the charge is reduced to \$22 per month.

Denver has low rates compared with those of the more eastern cities. For charging and polishing, a vehicle with 14 to 20 cell lead battery, \$20 is asked. With the exception of coupes and broughams, cars with more than 20 lead cells are charged \$25 per month for garaging and charging. Coupes and broughams cost \$40 per month.

Charge in Los Angeles.
Los Angeles, Cal., has an average monthly charge of \$35 for closed cars and \$30 for open cars, which includes calling for and delivering the vehicle, charging, washing, polishing, oiling and inspection. However, should the batteries require more than 300 k. w. hours per month, an extra charge of 6 cents per k. w. hour is made. If the owner wishes to call for and deliver the car himself a deduction of \$5 is made from the price quoted. For 110 extra, the number of deliveries and the extent of charging may be unlimited.

Minneapolis, Minn., St. Paul, Minn., and Washington, D. C., have the same rates. This is \$35 per month, which covers day and night service in calling for and delivering the car, washing, polishing, charging and inspection and making minor repairs.

Cost Here in Portland.
Even right here in the city of Portland where the electric automobile for pleasure has not yet come into its own it has in many cities of Portland's size, the charge for filling, calling for and delivering the car to the home whenever wanted, ranges from \$30 to \$35 per month for pleasure cars and \$35 to \$50 for commercial automobiles.

There is no doubt that when Portland has three or four times as many electric cars in service as at the present time, the price for maintenance will be lowered in proportion. Whenever an electric salesman from the east stops in Portland he immediately becomes enthusiastic over the possibilities of the electric in this territory, but soon finds that the conservatism of the people

When Offering Your Scrap Rubber or Metals for Sale
bear us in mind as we pay the highest cash price. By selling us your scrap rubber and metals you sell direct to the wholesale dealer. Nothing too small or too large to handle. A phone call will bring our representative. We are positively the largest dealers in scrap rubber and metals in Oregon.
J. LEVE,
Wholesale dealer in all grades of scrap, rubber, metals and cast-iron. Office and metal plant, 154 Columbia St. Phone Main 1193. Rubber warehouse, 297 Front St. Iron yards, 10 E. corner Water and Mill Sts.

who should ride in electric cars cannot be said to be overcome. Until a thorough educational campaign is launched by some progressive electric manufacturer the Portland condition will remain the same, and naturally the price of garaging and charging the electric will also remain the same. But when taken from the standpoint of the "electric car" in comparison with any of the other cities, in fact, in all the large cities of the country, service for the electric car owner at a nominal cost has been brought up to a high standard.

ARE YOU A GREASER?
ALL GOOD GREASERS USE KEYSTONE GREASE FOR TRANSMISSION AND DIFFERENTIAL
Archer and Wiggins
OAK STREET, CORNER SIXTH
AUTOMOBILE SUPPLIES—SPORTING GOODS

HUDSON REO
AUTOMOBILES TRUCKS
C. L. Boss & Co. Distributors for Oregon and South. Wash. also. Portland Agency, 615-617 Wash. St.

MOTOR LUBRICATION SPECIALISTS
We Distribute
MONOGRAM AND MONARCH DIAMOND OILS AND GREASES FOR ALL PURPOSES
BALLOU & WRIGHT, BROADWAY AT OAK ST.
Phone Marshall 2290, A-2222

NORTHWEST AUTO CO.
Factory Distributors of
Cole and Reo Cars
BROADWAY AT COUCH STREET
Main 8887 A-4959

METZ
22 Horsepower, 4 Speeds Forward, 1 Reverse
GLIDDEN TOUR WINNER
\$550 Portland Delivery
UNITED AUTO COMPANY, DISTRIBUTORS
522-528 Alder Street

Preer Tool and Supply Co.
74 Sixth and 211 Oak Sts. Phone—Main 1022, A-1022
AUTOMOBILE AND SHOP SUPPLIES
Spark Plugs TOOLS Brake-Lining
MOTORCYCLES AND ACCESSORIES

Apperson
The Car With The Powerful Motor; 4-45 H. P. \$1950; 4-55 H. P. \$2200
Fully Equipped With G. & D. Starting and Lighting System
APPERSON MOTOR CAR CO.
80 North 23d. Phone Main 524, A-7222

AUTO-TOP CO. 525-527
DEPARTMENT FOR AUTO WOODWORK, FOREDOORS, WHEELS, AND PAINTING JUST OPENED
Our record in making Auto Tops and Seat Covers is a guarantee that our new work will be of the highest quality.

Fires tone TIRES
Vulcanizing & Retreading R. E. BLODGETT, 89-91 North 24th, near Couch Phone Main 7005.

G. & J. TIRES
NOBBY TREAD Motorists and dealers alike acknowledge these to be the safest tires in the world. CHAIN TREAD
Sold By
BALLOU & WRIGHT
80-82 Broadway