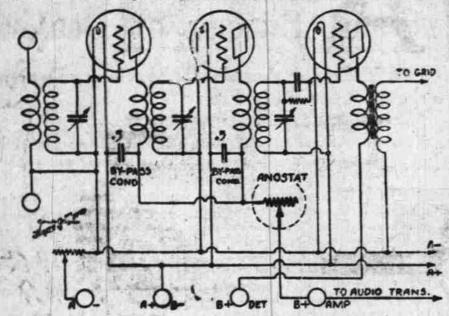
tuning and therefore improves plate or primary coils of the radio

Proper Working of Set De- reception. pends on Good Connections in Circuit

By HARRY J. MARX

Resistance are an inseparable ed the oscillation tendency but it rents don't have to pass through 50 to 200 miles for even a weekfactor in all electrical circuits. It likewise killed the selectivity that the resistance—hence the resist- end trip than he did a decade ago try from owners who attest to may not be there in the form of was desired and in addition mate- ance does not effect the tuning if driving 24 miles. A trip through a rheostat, potentiometer or other rially reduced the volume. Resis- and selectivity. piece of resistance aparatus, but tance should not be added where This variable resistance prov- across the continent in a motor



every part of the circuit whether it becomes an integral part of the resistance can be used for oscilla. and the General Motors Research moving object. That, in essence, it is just copper wire connections, radio frequency circuits. condensers, coils or any other unit | The fundamental cause of oscil- ance part for controlling volume, monic balancer which positively does. has some resistance value. It may lation is due to a great extent to Volume can thus be adjusted withbe great or small as the case may the amount of voltage across the out the slightest distortion, and

so designed as to reduce as far as to add resistance in the tuned cir- new developments will be told practical all resistance in the tun- cuits. ed circuits.

resistance permits much sharper is connected in series between the OAC.

be, but it exists and is a factor plate circuit. If this voltage is with great saving in B battery in the circuit. Copper wire is a controlled so that it can be ad- current, good conducter meaning its resis- justed to a value just below the This combination control is lance is low, while a non-conduc- point where oscillatio nstarts then known as the "Anostat," derived tor simply means something that radio frequency amplification can from "anode" meaning positive or be used to full advantage. But plate and the word rheostat, Fur-Present day radio apparatus is this control must not be such as ther details about the Anostat and

Plate Voltage Control

selectivity. But in radio frequency frequency transformers and the circuits it multiplies the tendency B battery to prevent oscillation of tubes to go into oscillation, pro- by reducing the plate voltage on ducing the assortment of squeals, the radio frequency tubes. Now howls, and whistles which not by connecting a 1/2 MFD condenonly come out of the loud speaker ser the B terminal of the primary but back up and go out in the air on the radio frequency transmorto play havor with the neighbors mers and the filament terminal of the tubes, this artificial resistance Superior Riding Comfort and The old and incorrect practise can be shunted out of the tuned was to add a potentiometer in the circuit. This condenser closes the

secondary circuit of the radio plate circuit to the filament of frequency stages. This was equiva- the tube for the radio frequency lent to replacing the resistance currents. In other words, on ac-

oscillation. This means of control- summer vacation.

having a maximum value of sev- particularly noticeable.

about shortly.

Oscillation can be effectively Corvallis-Bids opened for a This elimination of surplus prevented if a variable resistance \$300,000 woman's gymnasium for

Ease of Driving Makes Tour Easy

Today the average motorist back into the apparatus. It reduc- count of the condenser these cur- thinks no more of driving his car letters have been received by Oakfour or five states or even half tically motor-vibrationless car, ides a means of reducing the plate car is considered an ordinary ple in both principle and design; in its effort to obtain the most paper space, purchases and prevoltage and therefore controls event for a two or three weeks'

> commercially by E. F. Andrews in the remarkable durability of cars its center and tensioned by stiff great advertising campaigns in outdoor advertising handles in- commented upon whot he called the Deresnadyne receiver. The today, together with smoother springs at both ends. The weight the automotive industry. Approx- voices and pays bills. The deal- the amazing quietness of the use of this control for radio re- riding qualities which have been of the bar and the stiffness of the imately 4,000 newspapers are beceiving sets is covered by patent enhanced by full balloon tires, and springs are so selected that the ing used. applications but its use by the fan the four wheel brakes which have harmonic balancer has a natural in building his sets or for reme- made such trips, even at high frequency of vibration practically Motor company in reality has be- a guarantee to each dealer that Hupmobile eight took place after tying trouble in a set he has made speed, comparatively safe.

troi, as well as an oscillation con- cessary on long runs, ranging tralizing all torstonal vibration. trol. This is done by using an from 25 to 45 miles an hour, the The principle of its operation

the same as for the control of tionable feature that engineers of it in the opposite direction with a

vibration. This exclusive feature of the new Oakland six has been ecclaimed by experts as the greatest mechanical achievement of automotive engineering that has been introduced this year, comparable to the introduction of the two other

es and the balloon tires. Though the new Oakland six was introduced only slightly more than a month ago, thousands of their joy of touring in this prac- with its large dealer organization. Ilsing budget.

construction, the four wheel brak-

"uit resistance as a volume con- vibration. At the high speeds ne- in the opposite direction, thus neu-

extremely high variable resistance vibration of the average motor is might be stated simply by saying eral megohms. The circuit is just It was to eliminate this object object that is moving is to push local publications.

great developments in motor car Dealers and Factory to Work ing plan. Together in Advertising Campaigns

The harmonic balancer is sim- by the Chevrolet Motor company advertising campaigns, buys news- tices. adjustment. It consists of a light product. It is probably the most tisements to the newspapers, di- Hupp dealer explain the engine to

Under this plan the Chevrolet

cast a single advertising message contribution to the fund. that the simplest way to stop any at one time in both national and

The cooperative feature of the oscillation. The first part of the Chevrolet company force equal to the force of the plan does not apply in a financial tative of the Chevrolet company, bore the Prince of Wales' plumes way to the national advertising was in Salem, Friday, conferring in real ostrich feathers on the tion control, and the high resist- corporation developed the har- is what the harmonic balancer used by the Chevrolet Motor com- with the Newton company, Chev- front, with dainty streamers flowpany in the principal magazines of rolet distributors for this city.

paid for the general advertising without expense to the dealers. The dealers continue to receive gratis the sales literature and the effective window display service

In brief the plan is this:

amount of detail.

A desirable angle of the plan is the same as the crankshaft itself. come the advertising department every dollar which he pays into the a parade in which His Royal High-Yet one undesirable feature of When there is the slightest move- of each of its dealers whom it pro- fund will be spent in his district ness had ridden in the Hupmobile Mr. Andrews has now developed motor car performance remained ment of the shaft, the harmonic vides with a highly efficient and for newspaper or outdoor disfplay eight through the streets of Potbe use of this by-passed plate cir- in taking such long trips—engine balancer picks it up and vibrates consistent advertising campaign. space, all of the costs of prepar- chef Stroon. In addition, it becomes possible ing and placing the advertising to key local advertising with na- matter being more than covered Hupmobile procession for followtional advertising and thus broad- by the Chevrolet Motor company's ing the Hupmobile eight sedan

FACTORY MAN HERE

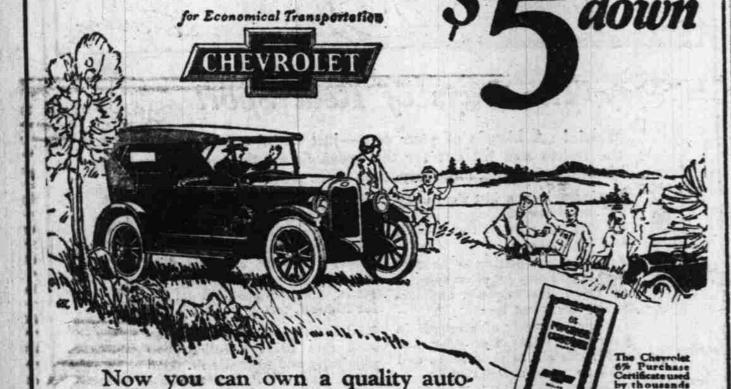
the country. This advertising is WALES LIKES NEW HUP appropriation of the company HEIR TO BRITISH THRONE AD-MIRES STRAIGHT EIGHT

The Prince of Wales, who has been termed the world's foremost of the company. These displays salesman, sold himself on the adsupplement the unified advertis- vantages of the Hupmobile eight during his stay in Potchef Stroon, South Africe. The royal visitor The Chevrolet Motor company and visiting press correspondents charges a small amount for each gathered about the car and His car shipped to dealers and credits Royal Highness plied the chaffeur it to the Chevrolet Dealers' Adver- with questions regarding its motor The Chevrolet Motor company tising fund. To this fund the and other phases of its construcland dealers throughout the coun- has announced a co-operative ad- company then adds a substantial tion. In so doing, the prince disvertising campaign in connection contribution from its own adver- played an intimate knowledge of automobile engineering and of the This campaign is a further move The company plans the dealer latest and best engineering prac-

is non-wearing and requires no economical distribution of its pares art work, sends the adver- lifted the prince had the local ing oscillation was first utilized This has been brought about by steel bar, pivoted to the shaft at comprehensive and efficient of the rects the printing and display of him thoroughly. He especially power it displayed in action.

This parade was very largely a came six new Hupmobile fours. The Hupmobile eight made a fitting leader for this procession. It R. W. Bush, factory represen- carried the royal standard and ing from windshielfd to radiator.

Own a Quality Automobile ~~



can do it: 1-Come in and select the model of car that you like best.

mobile-and we will make it so easy

for you to buy it that you will never miss the money. Here's how you

2-Bring us the coupon below and \$4.00 and we will credit you with \$5.00 on a Chevrolet 6% Purchase Certificate - you earn 6% on all the payments you make on this

3-You make regular weekly payments of as little as \$5.00 if you wish.

4-In a short time these payments, plus the interest that you have carned, will equal the amount neces-sary for the actual delivery of the car. After you get the car you pay the balance in regular monthly

b-in addition, if you already own a car, we will credit you with 6% on all service, repairs and accessories wnich you purchase from us.

We deposit your money in a separate trust account at a bank-and to assure absolute protection for your funds, both the bank and we, ourselves, are insured by a strong, well-known insurance company. You can make no finer, safer investment.

You will be surprised to find how easy it is to buy a Chevrolet this way. Thousands of happy owners are now driving Chevrolet cars purchased on the Certificate plan. Today is a good time for you to call on us. You will have time to look over the cars carefully and get fully in-formed on the remarkable value that they offer.

Without question Chevrolet is the finest low-cost quality car in the world and represents an automobile value that is unsurpassed.

See us today.

Touring Coach\$865 Sedan 945 Roadster 655 Coupe 845 Commercial chassis.. 520 Express truck chassis......\$650

Newton Chevrolet Co.

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