BUSINESS AND PROFESSIONAL

One cent the word each time.

PHYSICIANS.

DR. ERNEST A. WOODS-Practice limited to eye, ear, nose and throat. Office hours, 10 to 12 and 2 to 5. Swedenburg Bldg., Ash land, Ore 73-t

supplied. Oculist and aurist for S. P. R. R. Offices, M. F. and H

DR. MATTIE B. SHAW-Residence pital, was quite painful. and office, 108 Pioneer avenue. Telephone 28. Office house, 10 Visited from Yrekato 12 a. m.; 2 to 5 p. m., only.

Ears, Nose, Throat. Glasses fit-Phone 79 or 28.

DR. G. C. PHETTEPLACE-Dentist -successor to W. E. Buchanan. Office hours, 9 to 12 and 1:30 to Agency. 5. Office phone 151. Residence phone 201-J. Camps Buliding, Ashland, Oregon.

CHIROPRACTORS.

and Electro-Therapy. The combination does wonders. First Nat'l Bank Bldg. Phone 48-142. House Calls

CONVALESCENT HOME

CONVALESCENT HOME - Good cheer. Good care. Good food. Store. 89 N. Main St. Terms reasonable. 153 Granite St. Phone 411-R.

VETERINARY

Veterinary. Walker Ave.

TRANSFER AND EXPRESS.

FOR prompt and careful service auto trucks or horse drays, cal

T. L. POWELL-GENERAL TRANS FER - Good team and motor trucks. Good service at a reason able price. Phone 83.

WANTED.

tion in family, where she can Bros. . work for her board and clothes and go to school. Inquire 637 Visits in Medford-East Main. 82-4*

WANTED-To trade two heifer ford Monday afternoon. calves for sow and pigs or some feeder hogs. Phone 18F12. W. R. Hayter, owner.

WOMAN WANTS WORK by hour Address Tidings office.

FOR RENT.

FOR RENT-A splendid three room furnished apartment; adults only. 357 Vista St. Phone 122. 80tf

FOR SALE.

of heater chunks; 12 inch tier, the paper in Ashland. \$4.50; also 12 inch body fir, \$3.75; 12 inch second growth fir, \$3.25; delivered. 1224 Iowa St. 68-mo*

FOR SALE OR RENT-Partly furnished house. 311 Granite. In quire Nelda Cafe.

day. Two gallons 75c, one gallon 40c, delivered. Phone 9-F-11. 135 East Main. Phone 465. FOR SALE-Radio outfit, detector and two phase amplifier, in cabi-

947; price \$100. V. H. Chapman, ation of renting a ranch. 83-3* Neil Creek.

ery pieces suitable for Xmas gifts. Call and see them. 595 Roca St. Mrs. R. H. Coffin.

EVERBEARING RASPBERRIES

LA FRANCE, the largest and most Missionary Society to Meeteach, 20 for \$2.50 or \$11 per 100. are cordially invited. I have tried Burbanks and three only "thornless" plant that will Bread. produce enough fruit to pay to plant and cultivate. 14-month-old plants have produced 25 pounds of Oregon.

Investigate our Ideal

For Small or Large Houses Our New Line of Heating Stoves Are Now In.

Provost Bros.

Local and Personal

Medford Man Shoots Self-

While making ready to clean a cause of the fire is unknown. DR. J. J. EMMENS-Physician and loaded Luger pistol at his home, Surgeon. Practice limited to George Barnum, Medford garage joint. He is now reported to be rest- peel, raisins, currants, figs, spices night, spent at the Sacred Heart hos- for less.

Mrs. Alice M. Young of Yreka, re-DR. H. M. SHAW-Physician and cently visited her son-in-law and Surgeon. Special attention Eyes, daughter, Mr. and Mrs. H. H. Mayted. Room 6, Mills-McCall Block. berry, who later took her home in their car.

Special attention given to straight cars to be found in the city. Come Ashland's levy will be 26.4, as the When connected across the termi-electromotive force from the battery

Streets Are Icy-

For the best chili. Try Rose

Buy that Xmas gift at the Variety rick's. We sell for less.

306-1m0 Good Bouts Are Arranged-

Battling Ortega, of Pacific coast Paulserud's. fame, has been signed to meet Gor-DR. J. P. CHISHOLM - Graduate don McKay in a 10 round bout at Cuts Thumb Badly-Edmundson will meet Tom Sharkey rounds with one hand bandaged up in the semi-final. The other six- as the result of having chopped off round go will feature Battling Frick the end of his thumb Saturday evenand Danny Cummins. There will ing while splitting some kindling Whittle Transfer Co. Phone 117 also be a four-round curtain raiser. wood. The thumb is quite sore, but Office, 89 Oak street near Hote. An excellent card has been arranged it is thought that it will cause him

> For sale at Needlecraft Shop, baby heals. doll sets, garden sets, bloomer suits.

for the event by the promoters.

HIGH SCHOOL GIRL wishes posi- most complete in Ashland. Rose NEW MACHINERY just installed. 74tf

store was a business visitor in Med-

Sweet Cider, made fresh every Medford Soach III-84-2* day, two gallons 75c, one gallon 40c. delivered. Phone 9-F-11.

Established 1883.

Appoints Agent Here-

cisco Call was in the city Monday in the Scott high school team of Tolethe interest of his publication. He do Ohio, during the Christmas vaca-FOR SALE—Dry laurel wood, plenty appointed Lester Beck as agent for tion. It is not thought likely such

A complete line of children's toys be unable to direct his men. in balcony. East Side Pharmacy. 78t

72tf Piano Tuning-

SWEET CIDER-Made fresh every tuned. Carl H. Loveland. Studio, Singer Sewing Machine Co., 10 So. The low capacity fixed condenser in

net on bakelite panel 12x36 inch. Lloyd Cole, of Amity, Or., who is Cost \$120, price \$50.00. Complete spending a few days in the city, vis- Ask me. Yeo, of course. iess a battery. W. H. R., Siskl- ited with Mr. and Mrs. J. E. Kuyken-83-3* dall, of Laurel street, Sunday. Mr. FOR SALE-Bull, Silver Lad 2D717- Cole is in the valley with the expect-

FOR SALE—Crochet and embroid- Xmas gift at the Variety Store. Best the acquiring of a community build- possess high insulating qualities so

rates. Billings Agency. Phone 211.

prolific, 50c each, 3 for \$1; Er- The Baptist Misisonary society will tablishment of such a building in charge. skine Park, Ranere and St. Regis, meet at the church Wednesday after- Grants Pass. In commenting edithe best shippers, 10c each or \$5 noon at 2:30 o'clock. Mrs. Beswick torially upon the subject, the Courper 100. Everbearing strawber is the leader. Mrs. Britton, of Grants ier says: "Of course, Grants Pass as insulating bushing and top plates ries, \$2 and \$3 per 100; Marvel Pass, who has charge of missions in ries, \$2 and \$3 per 100; Marvel Pass, who has charge of missions in places are doing it and Grants Pass or equally good insulating material places are doing it and Grants Pass Fiber washers and bushings soon de-Thornless Blackberry, tips 15c dies of the church and congregation will ultimately join the ranks of the velop leaks, as fiber has the property

other kinds and the Cory is the Ask your grocer for Golden Sheaf

Detrick sells for less.

large berries and no thorns. D. P. Complete sets for dolls at Needle-Blue, 500 Ashland St., Ashland, craft Shop-Coats, suits, caps, etc., 82-5* reasonably priced.

Celebrates Birthday-

Miss Carol Mitchell celebrated her birthday Saturday at her home on Laurel street by giving a 6 o'clock dinner to some of her friends. A very delightful evening was spent in conversation and music. Those present were: Mrs. Miriam Way, Miss Harriet Dayton Mrs. Marcia Mitchell. Charles Mitchell, Willis Johnson and Miss Carol Mitchell.

Better be safe than sorry. See Beaver Realty Co. about your insur- | WHITE HOUSE GROCETERIA

Fire Destroys Barn-

The barn on the George Sullivan place in the Valley View district burned to the ground Saturday afternoon, with its contents. Some hay in the barn was the principal loss in the way of contents. The loss amounted to about \$700 and CONDENSER ACTS was partly covered by insurance car-

Fruit cake and mince meat time is How the Fixed and Variable In Fig. 1 is shown a simple condeneye, ear, nose and throat. Glasses owner, was shot through the knee here. For citron, orange and lemon Bldg., Medford, Ore. Phone 567 ing more easily, through the first sugar, etc., Detrick's Groceteria sells

ried with the Billings agency. The

County Court Fixes Taxes-

court, and will be 26.7 mills for out-We have the best prices on used 26.6 mills for inside the high school districts, a mill less than last year. ceiving circuit of the vacuum tube. which tends to oppose the applied 72tf brary levy of two mills, the local ser has the property of discharging the back e. m. f. and the charging cur-On account of the icy surface of cipal expense. The levy will raise minals and setting up stronger cur- If the battery C be disconnected

New shipment of suits and o'coats

very little inconvenience, once the soreness leaves and the member

DON'T DISCARD your Rubber Boots. LEEDOM'S TIRE HOSPIT-Our box candy assortment is the AL will RETREAD them for you.

Merry Christmas will soon be here. Thad Coleman, of the Variety We have a full line of Nuts and Candies at the right prices. Plaza Market, 61 North Main.

When Eddie Durno, coach of the Medford football team, stepped from Cheap insurance is costly at any the train upon his return from the price. For sound insurance at rea- athletic hearing at Salem, he was sonable rates, see Billings Agency. removed to the hospital, where he 34tf underwent an operation for acute appendicitis. Word is anxiously awaited in Medford to see if a game A representative of the San Fran- will be played between M. H. S. and a contest would be postponed, or even cancelled, should Coach Durne

Now is the time to have your plane per month will put one in your home. almost instantly.

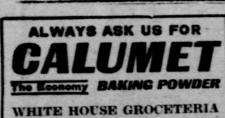
66tf Fir St., Medford.

Grants Pass Wants Club Housedent of the chamber of commerce, to must be made of the best grade of ma-We have what you want for that take charge of the work looking to terials possible; that is they must values in town. 89 N. Main St. 75tf ing, says the Grants Pass Courier. that the charges will not leak off Better insurance at reasonable part in this work in the past and is to be preferred over paper and tinfoil vided such places."

FIGHT FIRE!

NOW p. d. q. and avoid cause for a good conductor.

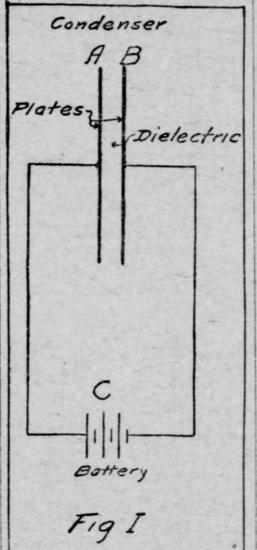
surance on ordinary dwellings and can be increased or decreased at will. contents. Good old line companies A variable condenser inserted in seconflagrations.



Types Are Constructed and What They Do.

storage tank for electrical charges, plate and the negative side to the oth-Cliff Payne has spur steel ladders. This storage unit may be either fixed er plate, a current will flow. This curor variable. The fixed condenser, rent that flows from the battery termiwhich consists principally of a few nals when the battery is connected to Jackson county's tax levy for sheets of metal foil, intersectioned be- the plates of the condenser is called 1923 has been fixed by the county tween paraffined paper or mica and the charging current. During the procbound tightly together, and which, un- ess of charging a condenser an elecside of high school districts and like the variable condenser, does not tric displacement takes place in the cost very much either to buy or build, dielectric. This electric displacement is the one generally used on the re-gives rise to an electromotive force

city is exempt from the county ii- nals of the receiver, the fixed conden- C. Finally a point is reached where building being maintained at muni- with great violence across these ter- rent become zero. 48t! In the voice of the speaker. The voice mal state. forced to discharge immediately, in a static condenser depends upon three order to leave room for the next factors. First, the area of the condenjust in. Will be glad to show them. charge and to prevent the condenser's ser plates; second, the thickness and 84tf becoming overloaded. Just imagine a composition of the dielectric, and third, the water were up to brim, and then plates by the battery C. the Natatorium, December 22. Jack George Sheldon is making the flood gates opened so that the water all ran out. This is a good example of the manner in which the condenser



is charged and discharged. However, Why not buy her a Singer Sewing the radio impulses come so fast that Machine for Xmas. \$5 down and \$3 the condenser charges and discharges

the grid circuit of the vacuum tube detector functions as a checking con-Always see me first about your denser for the radio currents to the insurance; there's a difference; why? plate of the tube and is generally 84tf about 0.0005 microfarads. Without this condenser in the tube circuit the signals will be much weaker and the bulb may have a tendency to choke Mayor C. H. Demaray has been up so that no plate circuit will flow appointed by O. S. Blanchard, presi- through the circuit. Fixed condensers Mayor Demaray has taken an active made of pure mica and copper foil are greatly interested in the psoject. He condensers, as they will build up their stated that he would do everything voltages to the highest point without in his power to bring about the es- leaking, before they suddenly dis-

wants a community building. Other should be made of good grade bakelite progressive cities which have pro- of absorbing moisture and warps in time, causing the plates in the condenser to touch. Variable condensers are generally made from aluminum so as Protect home and property. If you to make them as light as possible. think you should insure, if you in- Aluminum has the property of keeptend to Insure pretty soon, DO IT ing its shape in flat plates and is also

SAD REGRET and self chatisement. Built-up variable condensers with Remember also that there is as metal washers used as separators gen-80tf great or greater risk on your house- erally give more satisfaction than othhold effects and clothing and it costs
they keep their plates separated without scraping and the number of plates

that have paid through all the great ries with the antenna and tuner decreases the wave length of the anten-84tf STAPLES REALTY AGENCY. na circuit as it is varied. When the plates are separated the wave length is the shortest, and even when the plates are intermeshed the wave length is shorter than if the condenser were out of the circuit. A variable condenser in shunt with the secondary or the tuning coil will increase the

Try the Classified Columns.

wave length of the circuit, depending upon the number of plates that are inserted in the condenser as it is vaied from 180 degrees to zero.

By reason of this characteristic the variable condenser allows for very close tuning.

A condenser consists of two electrical conductors separated by an insu-AS STORAGE TANK later. The electrical conductors are called the plates and the insulating medium separating the plates is called the dielectric.

ser consisting of two plates, A and B, with air between two plates acting as the dielectric. If now a battery C is connected to the two condenser plates, A condenser in a radio circuit is a the positive side of the battery to one

Main street just above the Plaza, a total of \$723,831, including the rents to act upon the magnet coils of from the condenser a potential differ-Main street just above the Plaza, a total of \$723,831, including the men employed by the city laid a state tax. The general levy is 16.5 left out of the circuit the receivers denser plates that will just be equal DR. E. B. ANGELL—Chiropractic coating of crushed granite on the mills, and will raise \$461,943. It would still respond to the impulses to the potential of the battery C. pavement this morning in order to includes \$39,063 for road work and of the detector's rectified currents, but Short-circulting the condenser plates eliminate the possibility of accidents. \$130,000 for county administration. when they are added to the circuit, will cause the condenser to discharge, these currents build up a voltage in a condition that will exist until the If you want the best there is in the condenser so great that when it potential difference between the plates 74tf bacon, boiled hams, chipped beef, is discharged it does so with violence, has been reduced to zero or until the lard and shortening, get it at Det- This discharge occurs at each impulse dielectric has again resumed its nor-

impulses set up in the condenser are The charge that can be placed on reservoir of water filling slowly until the potential difference applied to the

Watch Your "A" Battery.

When your storage battery is "cranky" do you have it recharged without having it looked over by an expert? If you do not take any notice of it you are apt to be buying a new battery in a short time. Many are the things which can go wrong in a storage battery. Here are a few of the more simple troubles which lead to bigger ones: Letting the specific gravity of the battery go without notice, not using distilled water, overcharging, letting the battery stand idle for a length of time without charging and drawing too much current from it. These are only a few of the many troubles which occur in storage batteries of the lead-plate type.

What Is Meant by Resonance.

You'll read in any radio magazine or other publication that in order to detect incoming waves you must bring your secondary into resonance. Sounds oddlike, doesn't it? It's very simple. Take two tuning forks. Adjust them to the same pitch and strike one. The other will respond to its vibrations. That's resonance.

Resonance in radio means bringing your couplings to a point of sympathy by tuning carefully with the incoming wave and you'll get it.

RADIO FLASHES

It is now the thing for social clubs to have "radio commit-

tees." An eastern institution for the blind has installed radio for its boys. The boys receive lessons in the code and learn to copy

commercial messages. Dry cells cannot successfully be used for the filament supply of vacuum tubes. The batteries will hold up for about five minutes, and then they will slowly die down, until nothing at all can

be heard. Radio waves from Queenstown, Ireland, were amplified in New York with such success that they disturbed the proceedings of the Supreme court in a building opposite the receiving sta-

At present France has the most powerful radio station in the world in the American built Lafayette towers near Bordeaux. The station now being erected at Port Jefferson, Long Island, will by the end of the year take first place.

Dr. H. W. Nichols, an eminent electrical engineer, announces that the ether is not only not of use in radio transmission, but that it is an interference. Dr. Nichols believes that much can be done to remedy the static disturbance by a means of sharper tuning.

Radio outfits have become so numerous in the apartment houses in New York that it has become a problem to find space for the antennae on the roofs. A scheme is being developed to have community service rendered to tenants over the house

telephone wires. Dr. Marconi is reported as saying that radio will result in the junking of the ocean cables. Mr. Mackay of the Commercial Cable system, says Marconi "talks through his hat," It seems to us that neither could be called a disinterested witness. It is only fair to Marconi, however, to say that it is doubtful if he uses his hat as a means of transmission; the ether is too



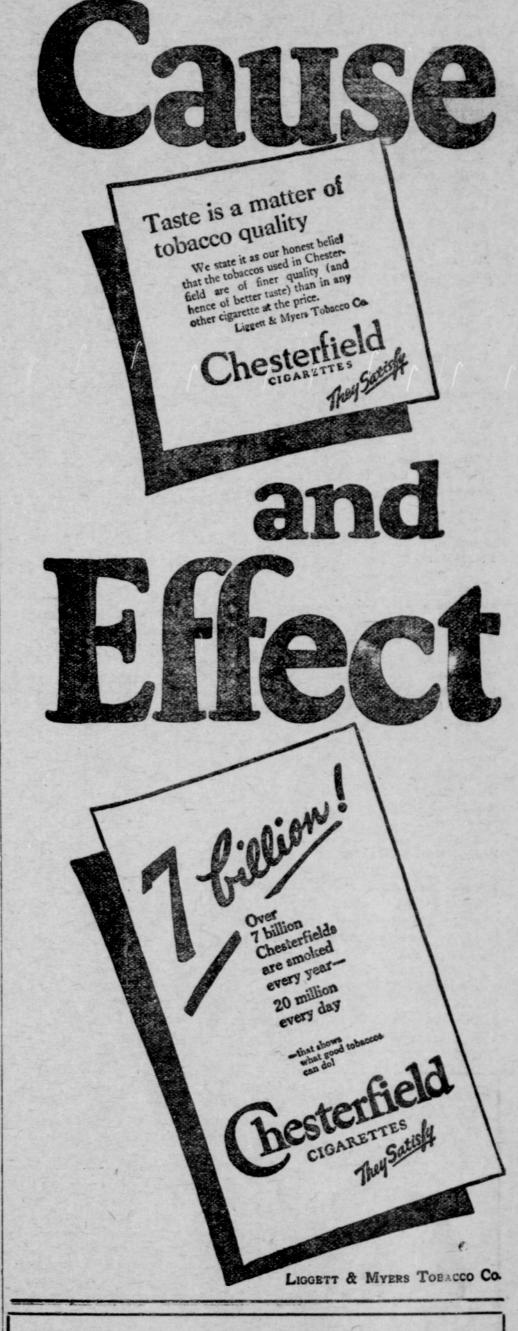
Hint for Amateur Painters. When painting or varnishing soft wood, always first paint the wood with shellac and let it dry before painting or varnishing. This saves about half the paint and gives a much harder and smoother surface to the wood.



W. A. SHELL BARBER

Safety blades resharpened like new. Single bit, 30c doz. Dobule bit, 60c doz.

> Children's Work A Specialty



In Stock

Duplicating Sales Books

WITH CARBON

Two Books Per Dozen\$1.25 Two Dozen\$2.25 One Hundred\$8.00

ASHLAND TIDINGS