

ROSEBURG NEWS-REVIEW

Issued Daily Except Sundays

B. W. Bates L. W. Wimbly ROSEBURG, OREGON

SUBSCRIPTION RATES

Daily, per year, by mail	\$4.00
Daily, six months, by mail	2.00
Daily, three months, by mail	1.00
Daily, single month, by mail	.50
Weekly News-Review, per month	.50
Weekly News-Review, by mail, per year	2.00

Entered as second-class matter May 17, 1920, at the post office at Roseburg, Oregon, under the Act of March 3, 1879.

ROSEBURG NEWS-REVIEW, JUNE 13, 1922.

POPULATION GROWTH

Estimates have recently been made that Chicago will become the world's big third largest city in the world by 1925, passing Paris which now holds third place. This remarkable growth sets one to thinking of the means by which communities attain advance in population and prosperity, and whether smaller cities may not, by showing something of the same spirit, attain remarkable gains. When Chicago was merely wild prairie, Paris was an old city hoary with time. Paris was founded back in the days of Julius Caesar. Chicago was laid out in 1820, and has grown almost as much in 92 years as Paris did in 2000. This growth of course has been due primarily to its exceptional position upon Lake Michigan, and its convenience to a vast and fertile farming territory. Still, if it had not had a certain spirit, it could not have attained its present size, and other cities would have rivaled it more closely. Chicago spirit was best exemplified when it had its terrible fire in 1871. Within a year the vast burnt district was largely rebuilt. The community that will overcome difficulties and meet its disasters in that way will not be held down to small limits. If you asked a Chicago man what it was that had enabled his city to make this marvelous growth, he would probably say that it was faith in the city's future, plus determination to overcome obstacles. Any city that will show faith and persistence, can make surprising gains. Too frequently communities miss feasible opportunities, because of the "It can't be done" spirit. If the people of Roseburg can have a reasonable faith in the possibilities of our community its rapid progress is certain.

Clean Up Week established in many cities have removed an amazing amount of rubbish. From heavily stuffed attics and thickly crowded basements and cluttered back yards, the dump teams cart away the accumulations of ages, and householders breathe more freely. Yet new trash is pouring into every home every day. Unless the clean-up movement is made a permanent thing, a home or a town sinks back into its former level. The rubbish collector has now become a permanent institution with weekly collections in thousands of places. Where he makes his round householders should cooperate by keeping their refuse collected and disposing of it regularly. Any town or neighborhood which has no such collecting system, can obtain it by a general willingness to pay small fees. The constant removal of this waste makes real estate more valuable, it promotes the self respect of the citizens and it encourages neat home keeping.

Formerly when people paid their taxes, they thought their duty to the community was ended. Many of them have not learned that a progressive town must have churches and social centers and health work facilities and hospital accommodations and other agencies for promoting welfare. For many years only a small minority of the people contributed to these enterprises. The war helped teach people that everybody must help carry on public work. That lesson should not be forgotten now. There should be at least one general canvass in every community each year for causes essential to public welfare. The obligation to contribute to the same is not a legal one, but on all who can possibly afford it, it should be a debt of honor as binding as a tax bill.

AROUND THE TOWN

- Reside in Portland**—John Kashray, formerly of Myrtle Creek, is in Roseburg today, and will leave at once for Portland where he will make his home. Mr. Kashray was the proprietor of the Myrtle Creek barber shop, which he has sold to A. Redburn, of Roseburg.
- Make our place your service station**—a complete line of accessories, satisfactory repair work, Grand View Garage.
- Here From Sutherlin**—F. M. Compton, of Sutherlin, representing the Balfour-Guthrie properties there, came over on the train this morning to look after business matters in Roseburg.
- Have your water wells drilled early**—Deep or shallow wells drilled. Prices reasonable. Albert Graham, Looking Glass, Oregon.
- Lumberman Here**—A. E. Adolfsperger, and family, of Marshfield, have been spending a few days in Roseburg attending to business matters. Mr. Adolfsperger is one of the leading lumbermen of the coast.
- When your car leaves our shop** it's repaired (that, ignition and carburetor work, also Kelly-Springfield tires. The Motor Inn, 517 N. Jackson.
- Here From Minneapolis**—Mrs. A. N. Wilcox of Minneapolis, is in this city, visiting her niece, Mrs. C. W. Parker, of the Roseburg Garage. Mrs. Wilcox arrived here yesterday and she will spend several days here.
- Retrues From O. A. C.**—Miss Florence Kohlhaug returned to her home here last evening after completing her year's work at the Oregon Agricultural college at Corvallis. Miss Kohlhaug will visit with her parents, Mr. and Mrs. George Kohlhaug.
- Leave for Enrampment**—A number of Spanish-American war veterans will leave for Pendleton tomorrow where they will attend the annual state encampment of that organization. Those who will go from here are: D. R. Shambrook, H. C. Waddell, J. E. Byrd, T. J. Milliken, T. J. Bordeaux, and Joe P. Sullivan.

Prune Pickin's



By BERT G. BATES.

GOOD EVENING FOLKS—Ye ed. has found: That high collars Are quite comfortable These warm days If you leave them At home and wear a Soft shirt.

Charley Hall, of Marshfield, was in our midst today, but said nothing about requesting a recount of the News-Review straw ballot.

A flivver with worn out tires, shaky fenders, delapidated engine and crushed top, halted on the main drag today. It carried the following sign: "In God we trusted—In California we busted."

A reader of Prune Pickin's gives the following definition of boarding house strawberry shortcake: "A circular solid, every point in whose perimeter is equidistant from the strawberry."

For those who have no golf course and wish to get a kick out of the good old game these balmy mornings we suggest the following: Take one golf ball, place in the gutter and roll it around the block three times. Follow this by a cold shower, glass of hot water and light breakfast. Roll the ball down the sewer. You will feel greatly benefited.

Our kid brother lost his pet hash hound a couple weeks ago and the pup came wagging his tail in this sanctum this a. m. much to the delight of the young fry and the disgust of the remainder.

A train bearing "Lake Louise" banners passed through here last night enroute north from the Los Angeles Rotary convention. The banners bring back hazy recollections of pink skirts and chambermaids.

Two chance acquaintances from Ireland were talking together. "An' so yer name is Riley?" said one. "Are yer any relation to Tim Riley?" "Very distantly," said the other. "Oj was me mother's first child, an' Tim was the twelfth."

A young wife recently went into a grocer's shop and addressed the grocer thus: "I bought three or four hams here a month or so ago and they were fine. Have you any more of them?" "Yes, ma'am," replied the grocer. "There are ten of those hams hanging up there now." "Well, if you're sure they're off the same pig, I'll take three of them," replied the young wife meekly.

Say it with moonshine. The flowers will come later.

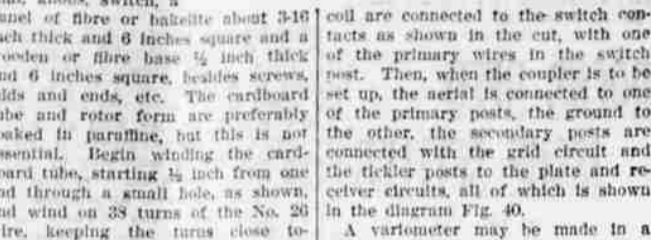
An exhibition has been opened tracing the history of women's dress from the earliest times to the present day. That is the evolution of feminine attire from when they began with leaves on to the modern fashion of leaves off.

THE HOME RADIO

How to Make and Use It By A. HYATT VERRILL

XV. VARIO-COUPPLERS AND VARIOMETERS

Vario-couplers may also be home made if desired, but they are seldom very efficient and as they are very low in price it is scarcely worth while to attempt their manufacture. These consist of two coils, one rotating within the other. If desired to make a vario-coupler you will require a cardboard tube or a fibre tube about four and one-half inches in diameter and five inches long. A rotor form that may be purchased for a dollar or so. A quantity of No. 20 and No. 28 B. & S. gauge, double cotton covered magnet wire and some No. 20 of the same type wire. You will also require a brass shaft or rod 3/4 inch diameter, a dial, knobs, switch, a panel of fibre or bakelite about 3-10 inch thick and 6 inches square and a wooden or fibre base 1/2 inch thick and 6 inches square, besides screws, odds and ends, etc. The cardboard tube and rotor form are preferably soaked in paraffine, but this is not essential. Begin winding the cardboard tube, starting 1/2 inch from one end through a small hole, as shown, and wind on 38 turns of the No. 20 wire, keeping the turns close together but not touching. Then, bring the wire across the tube as shown in Fig. 37, leaving a space of one inch bare and continue to wind on another 30 turns of wire. In winding, take off three taps from each section, one at every twelve turns, beginning at second turn from top and leaving two turns at bottom of winding as shown in Fig. 37. T. T. T. finally passing the end through a hole as shown. The whole should then be covered with paraffine, or it may be shellacked, although shellac will decrease its efficiency and paraffine will serve every purpose. In the center, at the bare space which has been left, a 1/4 inch hole should be bored as shown in the cut. The next step is to wind the rotor form, which is done by winding on twenty-five turns of No. 20 wire (starting through a fine hole as shown) which forms the "tickler" coil Fig. 38, A, and leaving the two ends of the wire about 6 inches long and running the last end through a hole to hold it. Then, at the other end of the rotor, wind on forty-two turns of No. 28 wire to form the secondary Fig. 38, B, and leaving free ends of wire about 6 inches long. Through the center of the rotor-form, a hole should be bored 1/4 inch in diameter as shown.



The next step is to mount the coupler, which is done as follows: In the fibre panel, bore a 1/4 inch hole two inches from the top and 3/4 inches from one side, Fig. 39. In the lower corner, place a switch with six contact points A, and on the right hand side drill six 3-10 inch holes for binding posts B. Then make and place the shaft in the rotor, securing it by glue, sealing wax or by means of nuts, according to your mechanical ability, and attach the two parts to the panel, fitting a dial and knob to shaft and mounting the panel on the base. In connecting up, the primary, secondary and tickler wires are connected to the six binding posts and the six tap-offs on the primary coil are connected to the switch contacts as shown in the cut, with one of the primary wires in the switch post. Then, when the coupler is to be set up, the aerial is connected to one of the primary posts, the ground to the other, the secondary posts are connected with the grid circuit and the tickler posts to the plate and receiver circuits, all of which is shown in the diagram Fig. 40.

A variometer may be made in a very similar manner, using two cardboard tubes, one about four inches in diameter and three inches long; the other three inches long and about three and three-quarters inches in diameter. The dimensions should be such that the small tube can turn freely, without touching, within the larger tube and the smaller the space between the two the better; but you must remember to allow for the thickness of the wire to be wound upon the inner tube. First, measure carefully the exact centers, so that when a shaft fastened to the inner tube or rotor is passed through the larger tube, the inner one will rotate freely and evenly without touching or increasing the space. The entire efficiency of the variometer depends very largely upon the accuracy with which this is done. Starting with a small hole about 1/4 inch from the outer edge of the smaller tube, wind on about twenty turns of No. 24 double-coated, cotton-insulated copper wire, being careful to keep the turns separated. Then skip a space of about an inch, as shown in Fig. 41, and wind on another twenty turns, finally running the wire through a hole, fastening both ends with a drop of glue or sealing wax and leaving five or six inches of free wire at each end. Starting the same way, wind the larger tube in exactly the same manner and being sure to wind in the same direction. When all are wound, mount the smaller tube on a shaft inside of the larger tube, fastening shaft by glue or sealing wax dropped on from inside, and mount as shown in Fig. 42. Finally, connect one end of the stator wire to one end of the rotor wire, leaving plenty of free wire to allow rotor to revolve, and lead the other two ends to binding posts, as shown, being sure to keep that to the rotor loose to allow free movement. The shaft to rotor should be equipped with knob and dial as shown in the cut and the whole mounted on a fibre or bakelite panel on a proper base.

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The Woodcraft Thimble club will be taken to the Oakley home by Mrs. Nonna Oakley, south of Kelley's Corner, at 2 o'clock. The ladies will be and will enjoy an afternoon of singing and refreshments under the arbor there.

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Announces:

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General Manager

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LON CHANEY IN 'THE TRAP'
A UNIVERSAL JEWEL PICTURE

LON CHANEY IN A FEATURE AT ANTIERS

"The Trap," which comes to the Antiens theater tonight, is a fiery, thundering story of a simple-hearted French-Canadian who becomes a wolf in human form after he is cheated in love and business. His domineering cunning reaches a climax in his death trap for the man who had taken everything from him. Lon Chaney, making his debut as a star in this Universal-Jewel attraction, portrays the role of the trapper in a manner that reaches the height of screen artistry.

PLANTS.

For sale, male plants and late cabbage plants, by the 100 or 1000. EARL VORBURGH, 703 Fullerton St.

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