

FRUIT GROWERS, ATTENTION!!

Carload Sherwin-Williams Dry Lime Sulphur and Fungi Bordo Just Arrived

200 lb. Drum Dry Lime Sulphur \$8.75 per cwt.
200 lb. Drum Fungi Bordo \$13.50 per cwt.
Spray in the fall. Avoid Spring rains.

CHURCHILL HARDWARE CO.

Local News

Hotel Douglas: The arrivals at the Hotel Douglas today were Ira Branch, Portland, Oregon; C. A. Meyer, Portland, Oregon; C. Poppino, Portland; A. A. Payallup, Mr. and Mrs. H. Miller, Casper, Wyoming; Miss

Mauras, Casper; E. S. Altman, Bend, Oregon; C. S. Brown, Bend; H. Howell, Portland; Ed Howell, Portland.

Is Expected Home—

Forest Supervisor Carl B. Neal and family are expected to return tomorrow from a trip by pack train to Diamond Lake.

Preach at Green—

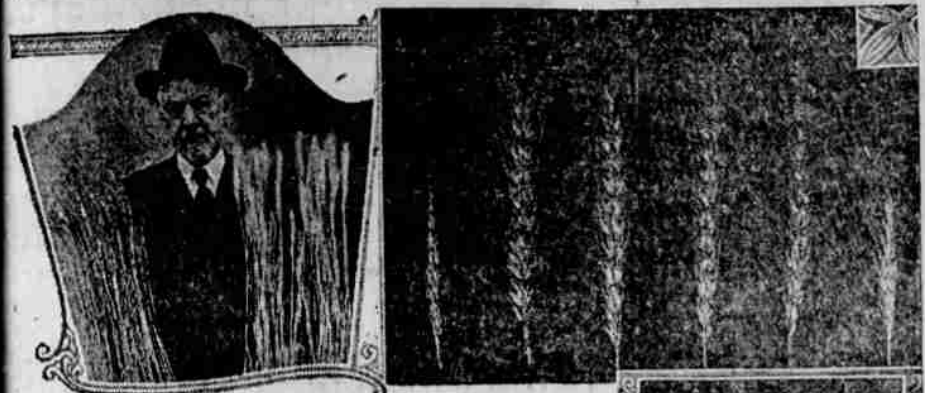
Rev. G. C. Griffin of Eugene, will

preach at the Green school house on Sunday afternoon. He will be assisted by Mr. Allen of Portland. Everybody invited.

Move to New Home—

Mr. and Mrs. A. J. Willard have moved to their new home at 446 S. Stephens street. They have a beautiful bungalow there which has just been completed.

FARM ADVISER AIDS GROWERS



Hardy W. Campbell, Farm Adviser for the Southern Pacific Company, and grain showing the efficacy of the principles of tillage he advocates. Above, at right, the four heads in the center were grown according to Campbell's plan; the other two by the ordinary method.

Principles of Tillage to Increase Yields Explained by S. P. Farm Adviser.

The same principles of tillage, preparation of land for crops and subsequent cultivation, which have been so successful in raising crops on Western semi-arid lands without irrigation, are proving successful for crops raised under irrigation and for orchards and vineyards, according to Hardy W. Campbell, Farm Adviser for the Southern Pacific Company. Campbell has inspected this season a number of new orchards and vineyards in California, Oregon, Nevada, Arizona, and New Mexico.

Campbell is the man who evolved what is now called the "Campbell system of Dry Farming." Campbell, however, objects to the word "dry" and insists that the principles used in his present plan apply to all kinds of farming, with or without irrigation, as well as under much lower rainfall than even now is commonly conceded necessary for successful crops. Campbell emphasizes the importance of proper preparation of the seed-bed and sufficient intelligent cultivation afterwards.

Campbell arranged to address the Nebraska Bankers Association at Omaha, September 22 on the subject of "Soil Fertility by Utility of Soil Water," and to discuss the same subject before the Minnesota Bankers Association at Minneapolis. On his return from these conventions he will stop at Yuma, Arizona, to investigate conditions there.

Interesting evidence of the direct effect of properly prepared lands was recently received by Campbell from a Metropolitan, Nevada, grain field prepared under his direction. The field of three stooks of wheat, the first of which was planted on March 12, each the result of one grain of wheat drilled in well prepared soil that was liberally supplied with fertility through well planned and timely work. This crop was raised without irrigation, but was prepared for by summer tillage in 1931 and grown this year.

More evidence of what cultivation of a growing crop means was sent to Campbell by A. B. Shield, of Delano, Kern County, California. A four heads of wheat from a stook grown on Shield's ranch. This stook had ample space and was cultivated while growing, no fertilizers or irrigation being used. The stook contained forty-four heads averaging 1.5 grains each or slightly more than one from one stook.

Campbell, says Campbell, stimulates that under certain physical conditions brought about by the right kind of tillage at the proper time, very much more grain, fruit or vegetables may be grown per acre than is commonly obtained. The usual query is "Does it pay?" to which Campbell replies very emphatically in the affirmative.

Campbell recently inspected a number of new orchards and vineyards in the southern and central portions of California to study methods and principles commonly practiced in preparing the land and the after care in irrigation and cultivation. One of these inspections was of a 4000 acre peach orchard of one, two and three-year-old trees belonging to the California Packing Corporation and located east of Merced, Calif. What

Campbell saw here in connection with his general observations shows that the real advantage of careful preparation of the soil before setting is sometimes, but not generally fully considered and appreciated.

"It is very important to first prepare the surface by leveling," says Campbell. "Then arrange for irrigation in such a manner that water may not only be evenly applied over the whole surface but in as short a time as possible. In other words establish an even surface with reasonably short laterals. Too much water in the soil beneath some trees or too little for others is detrimental, usually. Again, the lower places, especially in heavy soils, gather more water, keeping the surface wet longer and frequently delaying timely cultivation, and not infrequently causing the higher spots to lose much of its already short supply. When the trees or vines reach the bearing period, the profit is increased or decreased in both quantity and quality of the crop. Both of these results are governed by the amount of fertility resulting from soil condition in which the per cent of moisture and air carried therein, especially during the warmer weather, is a big factor. The ability to supply this desired moisture in proper quantities the entire season through each year, is the first consideration.

"The next question is the perfect root bed. This should be supplied liberally with available plant food evenly distributed, so that when the trees or vines are set, there is a condition so favorable that not only the weaker stoks may quickly take root and grow vigorously, instead of withering and dying, but a healthy, uniform growth may be obtained the first year, which means much to the early and annual fruitage of the trees or vines. To achieve this result, after leveling the field should be cultivated practically an entire season before setting to trees or vines, with only sufficient irrigation to assist in establishing the ideal root bed which should be both fine and fairly firm from the very start. The object is to continually carry the proper quantity of both air and water through the heated part of the season. Under this condition, with the high percentage of moisture held at the top of the firm soil, through careful and timely cultivation, there will be a liberal development and growth of that most important element of plant life, the root system. This procedure increases the much needed plant food more evenly in all parts of the field, before setting, than can possibly be developed after setting. This gives an advantage not otherwise obtainable.

"Much can be said of irrigation and cultivation after setting, but to be brief, care should be taken not to over-irrigate, for to obtain the best results, the soil in and about the root zone must be moist but not wet. When the soil is saturated there is practically no healthy growth. As rule cultivation is not only insufficiently frequent but too often is so untimely as to be of little value.

"There are certain conditions of moisture in the soil following irrigation, the same as following a rain, when the high value of cultivation to the final crop is very much greater. These conditions

THE STORY OF A DAILY NEWSPAPER

Readers of The News-Review Are Afforded a Splendid Service.

MILES OF PAPER USED

Has the Biggest Yearly Payroll of any Industry in Roseburg, With One Exception—Merchants, Town Benefited.

By R. R. WOOD.

With the arrival of another full carload of print paper this week, the fourth to be received by the News-Review within the year, the official statistician unearthed some interesting data relative to the publication of a daily paper in Roseburg, and believing that our thousands of readers in Douglas county will be glad to have a few inside facts that are factors in the making of a newspaper, the findings were reduced to a readable state.

A daily newspaper is the pulse, so to speak, of the community which it serves. By it the outside world judges the people who form its constituency. This is because the newspaper reflects the community life, and if the town be a lively one, full of energetic, aggressive business men, the appearance and tone of their newspaper tells the story of the town's prosperity, its progressive spirit, the unanimity of its people in civic affairs and the degree of pride the public takes in all those matters which go to make the home town a place well worth living in.

The newspaper office is a busy place, and no one can loaf on the job from the time he throws off his coat in the morning until the edition is in the hands of its readers that evening. Every employee has his work to do, and it must be done with rapidity, accuracy and efficiency. Clicking typewriters reel off the copy that a few moments later must go to the composing room, and as reporters fill about town picking up details of incidents that later are compiled into interesting stories, they let no event escape their watchfulness.

In the composing room the linotype operators take the copy and swiftly reduce it to type, and then proofs are "pulled" which in turn are read for errors, these go back, sometimes two or three times, for correction. The type matter is then "made up" into the forms or galleys, secured locked into heavy steel chases, passed on to the pressman, who places them on the "bed" of the machine in just the proper manner that brings them in proper order when the pages are printed. With this operation completed the lever is pulled and the work of printing the paper begins. In the modern newspaper office this is done from huge spools of paper, which run thru the press much as a spool of thread runs through a sewing machine, but the finished product comes out perfectly printed, packed, folded and trimmed, so that the reader can turn the pages of his paper and read the news in comfort at his home. This process lasts from morning until night in every newspaper office in the land, only in the big metropolitan newspaper offices the work is done from stereotyped forms made from the original type forms.

Leaving this brief description of work necessary in producing a daily newspaper, it developed that nearly two miles of paper are used every night in printing the News-Review, and for a six page edition approximately 600 pounds are required daily. To do this work requires a force of 16 people, every one an expert in his line, and besides this there is a small army of newboys who rush the editions to the homes of the city every night. In this connection it may be stated that the News-Review employs more people the year round than any other firm or corporation in this city, excepting only the S. P. Co., and the payroll and overhead expense of the office is approximately \$150 for every working day in the year. It requires a full carload of paper every three months for this publication, which is laid down in Roseburg at a cost of more than \$2000 per car. Comparing this with the small shipments that were formerly used annually by the two daily newspapers before the merger of the Review and News, it will be seen that the business has grown amazingly within the past three years, and how the sworn circulation of this publication reaches almost 4000 every day. In "circulation," the big New York trade journal, the current issue shows Roseburg as among the few western Oregon cities that maintain dailies worthy of mention in its columns and the News-Review is among the newspapers going to make up a total daily circulation throughout the United States of nearly 11,000,000 copies.

It will be seen from the foregoing that the News-Review is a big factor in the business circles of this city. The payroll of its employees amounting to thousands of dollars annually, is spent right here in Roseburg, and this money is distributed among the merchants and banks each week.

In the workshop of the News-Review are three linotype machines, and the office regularly employs three operators. A Mr. new Goss webb press, capable of printing from 3500 to 4000 papers an hour, handles the daily edition. An experienced pressman is in charge of this machine, which prints 4, 6, and 8 pages at a time, folds and trims each one far more accurately than it could be done by hand, and drops them into the box faster than a man can count. This press was installed early in the year,

OFFICIAL FILINGS DOUGLAS COUNTY

DAILY RECORD OF INSTRUMENTS FILED WITH COUNTY CLERK AND PLACED UPON RECORD.

(Compiled by Douglas Abstract Co., Roseburg.)

The following instruments were presented to the county clerk today for filing and are being placed upon the county records:

50827. W. D. Reedsport Co. to Florence Rotten \$1.00. Lot 14, blk. 13 Reedsport.
50828. Release. A. M. Bush, et al. to Watt Shipp \$5000. 18 M. page 512 and 29 M. page 154.
50829. Chattie Mtg. S. T. Smith to E. G. Young Co. \$750.00. Ewes.

50830. Chattie Mtg. 1st St Bank Sutherland to J. A. Cole. Sheep and wool \$1130.57.

50831. Q. C. Deed. A. Creason to Douglas Co. \$150. Reg. at pt. in center road 11.82 ch. S. 20.35 ch. E. of 1/4 cor. bet. Sec. 17, 18, tp. 27-5, then along cen. line of 40 ft. road N. 64 degrees 31 minutes E. 66 ft. N. 36 degrees 44 minutes E. 66 ft. then N. 42 degrees 40 minutes E. 66 ft. N. 27 degrees 56 minutes E. 66 ft. N. 13 degrees 45 minutes E. 29.7 ft. to pt. in center line of Co. road 8.86 ch. S. 33.33 on E. from 1/4 cor. bet. sec. 17, 18 con. 27 acres.

50832. Mtg. L. L. Buell to Cal. Jt. Stock Land Bank \$4500. Reg. at NE. cor. Daniel Huntley ch. 33 tp. 27-7 then S. 24.68 ch. W. 25-12 ch. S. 14.82 ch. W. 14.8 ch. N. 40 ch. E. 39.38 ch. to pt. of beg. being parts of sec. 24-27-7 and sec. 3-28-7.

Circuit Court.
Divorce Grace Levenhagen vs. Paul C. Levenhagen.

and it is indispensable to the rapidly expanding business of this office. The press was purchased with a view to future needs, and is capable of handling an edition for a town of 50,000 people. In fact, the mechanical equipment of the News-Review is the best of its sort in the southern part of the state. In addition to the newspaper equipment the office maintains a complete job printing plant that is second to none in the state. A new pony cylinder press for high grade book and job work installed a few months ago. One of the platen job presses is equipped with a Miller self feeder, which is so sensitive that if two sheets of this paper are picked up at one time it rings a little bell and throws off the impression so that it falls to print until a pressman comes and removes the offending sheet. The job department is supplied with every modern convenience for turning out commercial printing that gives to users of its product a business distinction that establishes a standing for the concern using it. This department is separate from the newspaper plant, and accomplished printers are employed to handle all work entrusted to that section of the business. In this department are published the state Grange Bulletin, having a circulation of 7200 copies each issue, besides illustrated pamphlets and booklets, commercial work of every conceivable kind, and in fact everything that is needed by business men.

This paper itself evidences the care that is given to typographical features. In point of make-up and general neatness the News-Review stands well in the front rank of neat, mechanical effort. No newspaper in the state may boast of excellent Roseburg's daily in these matters. It will bear comparison with Portland or San Francisco journals.

The advertising columns are sought by many foreign firms, who realize the immense drawing power of printers ink, and desire to reach Douglas county people. Bigger and better advertising contracts are constantly being offered from these manufacturing concerns, who know by experience where they get results.

The paper is served by both the Associated Press and United Press telegraphic reports of world daily happenings, and in addition carries International News Service. The News-Review endeavors to keep its thousands of readers in touch with the great happenings of the busy world, and political affairs of Europe and the Orient are given daily. Constantly increasing subscription lists testify to the success met with, and the management is leaving no stone unturned that may lie in the way of improvements that will increase efficiency of the service offered by the paper, and keep it in touch with the public, whose welfare and prosperity is so interwoven with its own in the progress and upbuilding of the resources of the unexcelled Umpqua valley and Douglas county.

Popular Couple Wed Last Evening

Coming as a complete surprise to many friends here, is the announcement of the marriage of Miss Maude Hight to Mr. J. R. Farrington. The wedding ceremony was solemnized at the Presbyterian church last evening at 6 o'clock, with only a few immediate friends and relatives present. Rev. L. B. Quick, officiated using the ring ceremony.

The bride is the charming sister of Mrs. A. J. Hochradel, and has been making her home here for several years. Mr. Farrington is local manager of the telephone company. Mr. and Mrs. Farrington left by auto immediately following the ceremony for Portland and nearby beaches, where they will enjoy several weeks' honeymoon.

Mr. and Mrs. Farrington will be at home to their many friends at the Kohlhagen apartments, after their return here.



Closed Car Luxury Unsurpassed

The 1923 Six Cylinder Seven Passenger Sedan—\$2195

A dignified beauty and richness unexcelled by any closed car mark the new Buick seven passenger sedan.

Lengthening the body, lowering the top and raising hood and radiator have improved the streamline appearance made possible by the long wheel base and added attractiveness has been given by the handsome nickle drum-type head and cowl lamps.

The roomy Fisher built body is furnished in rich plush. Deep cushioned seats for five with two comfortable folding chairs accommodate seven grown persons with ample room for everyone.

The chassis has been improved materially and its easy riding qualities heightened by a new rear spring suspension. In the famous Buick Valve-in-Head engine, changes also have been made to increase dependable performance.

In every detail of body, chassis and power plant, this Sedan has no superiors, among closed cars of even greater price.

The Buick Line for 1923 Comprises Fourteen Models

Prices f. o. b. Roseburg, Ore.

FOUR CYLINDER MODELS	
Roadster, 2 passenger	\$1050
Touring, 5 passenger	\$1075
Coupe, 3 passenger	\$1385
Sedan, 5 passenger	\$1625
Touring Sedan, 5 passenger	\$1540

SIX CYLINDER MODELS	
Touring Sedan, 5 passenger	\$2210
Roadster, 2 passenger	\$1400
Touring, 5 passenger	\$1425
Sedan, 5 passenger	\$2270
Coupe, 4 passenger	\$2180
Touring, 7 passenger	\$1690
Sedan, 7 passenger	\$2495
Sport Roadster, 3 passenger	\$1890
Sport Touring, 4 passenger	\$1915

BUICK MOTOR COMPANY

FLINT, MICHIGAN

MOTOR SHOP GARAGE

ROSEBURG, OREGON

When better Automobiles are Built Buick will Build Them

MUST HAVE WORD FOR LOVE

Suggestion That Oldtime "Sweetheart" Be Substituted for Allen "Fiancee" Seems Worth Considering.

HUGH WALPOLE

The old belief that "love hath no need of words" has proved itself to be wrong, declares London Absters. When you become engaged to be married you cannot introduce the future sharer of your domestic life by taking her up to a friend and saying:

"This is my—," and do the rest with a display of eye work. Yet that is what we were told—that "love spoke with the eyes." The poor man would think that love had driven you mad.

We had to find some word to describe our own chosen one of the fair sex, and we selected, of all things—fiancee, a French, and at its best a terribly sounding word.

At last, however, a protest has been made, and "betrothed" has been suggested. The word sounds sweet on a poet's lips.

He is the first flower of my freshest age
Betrothed me into the only heir.

"Betrothed" has been another suggestion, but the dear old word "sweetheart" requires a lot of beating. But whether it is betrothed, beloved, sweetheart or even a new word—new words are always creeping into the language, so why shouldn't we have a new one for love?—don't please, call her your fiancée.



Hugh Walpole, the eminent English novelist, who asserts that there is a new American literature in this country, and that it is time for English critics and readers to cease their patronizing attitude. Mr. Walpole says for the first time in the United States "there is a literature in existence completely independent of British influence."

Auction Sale

At Agee Place, 2 Miles South-west of Wilbur

TUESDAY, OCTOBER 10

Beginning at 1 o'clock sharp, the following property will be sold:

HORSES—1 young horse, weight 1300 lbs.; 2 small horses. 50 Angora goats.

6 fat cows—dry.

150 fine turkeys. 50 chickens.

FARM MACHINERY—1 Fordson tractor, 1 tractor gang plow, 1 tractor gang disc plow, 1 spring tooth harrow, 1 drag harrow, 14 inch plow, 1 disc, 1 McCormick binder, 1 McCormick mower, 1 McCormick 10 foot rake, 1 corn sheller, 14 tons hay, 1 Sharpless cream separator, 1 heating stove, many small articles.

Elmer Ellison, Owner
TERMS CASH J. M. JUDD, Auctioneer.