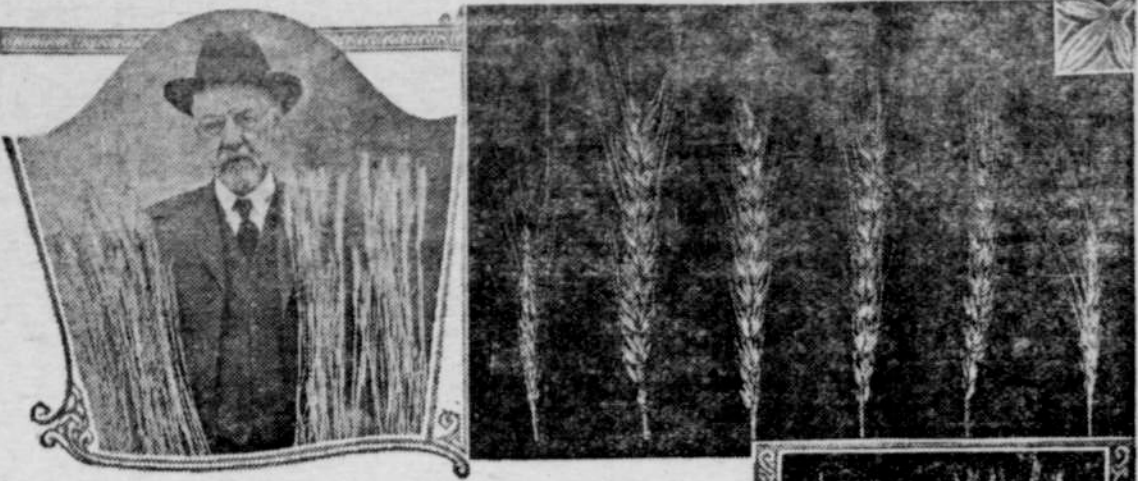


FARM ADVISER AIDS GROWERS



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, in preparation of land for crops and subsequent cultivation, which have proven so successful in raising grain 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 a 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.

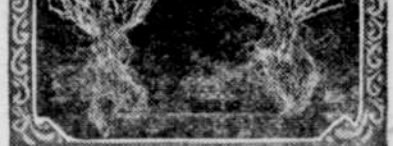
Interesting evidence of the direct effect of properly prepared lands was recently received by Campbell from a Metropolis, Nevada, grainfield prepared under his direction, in the form of three stools of wheat. One stool had 81 stalks, one 103 and one 120, each the result of one grain of wheat drilled 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 1921 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, in four heads of wheat from a stool grown on Shield's ranch. This stool had ample space and was cultivated while growing, no fertilizers or irrigation being used. The stool contained forty-four heads averaging 78 grains each or slightly over 3400 grains from one stool. Such results, says Campbell, simply mean 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 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

The highest
QUALITY FLOUR
Milled
On the Pacific Coast
from the
CHOICEST HARD
WHEAT GROWN
in the northwest

Sold by
ALL THE LEADING
DEALERS IN
TILLAMOOK
COUNTY



must be considered. Nothing can prove this more convincingly than the soil auger.

"It is very desirable, so far as possible, to not only carry the high percentage of moisture at the top of the firm soil, immediately below the mulch, but also to induce free access of air throughout the entire growing season. The ideal condition to furnish this air is to cover the firm soil with a granular mulch, neither too fine nor too coarse. To obtain this ideal mulch, the cultivation must be done when the soil is moist—not wet or dry. The loosened soil soon dries, leaving the firm soil on top. This is usually easy to obtain in sandy soils, but to do this properly in heavy soils it is sometimes necessary to go over the field a second time, after first going over just enough to loosen the top when the surface is simply dry enough not to stick. This prevents the crusting or drying out. Then the second operation should come one to four days later, after the free water has gone down, leaving the soil moist. When it more readily separates, and makes a finer and much more effective mulch. This procedure means much to the tree, as a higher percentage of moisture is held in the root zone and a crusty and cloddy mulch is prevented.

"The high value of this plan of preparation and one season's cultivation before the setting of the trees or vines, is borne out by the interesting results obtained from careful summer tilling for wheat, oats and barley, and the precision of time in doing this work is just as vital. There are numerous records of large yields of wheat as high as 40 to 60 bushels per acre, grown on correctly summer tilled land, where nearby fields, prepared and sowed under the more common plan of 'any old way,' yielded very poorly or nothing at all."

The Southern Pacific Land Department "Bulletin No. 10" deals quite explicitly with questions of increased fertility by tillage. Bulletin No. 12 also explains in detail the summer tilling question as applied to the coast country. One or both may be obtained without cost by letter or personal application to Hardy W. Campbell, 981 Southern Pacific Building, San Francisco. A Bulletin is now under way dealing with tillage and irrigation of orchards and vineyards.

Campbell's greatest pleasure is to visit a farm or ranch where the proprietor or manager feels he is not getting satisfactory returns and work out, as far as possible, a practical remedy. The Southern Pacific follows the theory that its interests are tied up with the territory it serves, and Campbell and the Company wish to be helpful in increasing agricultural productivity.

Pollyanna Shop. Ladies dresses, Millinery, Art Gifts, Baby Specialties; Hemstitching 10c yard. "We" furnish the thread. Come and inspect our work. Opposite Tillamook Hotel.—Adv.

NOTICE

The Clerk's office will be kept open evenings from 7:30 to 9:00 on Oct. 5, 6, and 7, of next week for the convenience of those who are working during the day, and who wish to register before the books close.

H. S. BRIMHALL,
County Clerk.

MRS. E. E. KOCH

Piano, Musical History and Harmony

Mrs. Koch has studied for several years under Prof. Welty, Chas. Dierke, Edgar E. Courson and the late Gifford Nash of Portland. Was a student at the Chicago Musical College and took a full course at the Oberlin Conservatory of Music besides having a teaching experience of 16 years. Studio Phone 11W 504 2d Ave. Marie Holden, Assistant

NESTUCCA VALLEY HOME STEADERS HOLD FAIR

(Continued from Page 1)

by Tillamook Merc. Store.

Display of Needlework—1st prize, Mrs. Walker of Blaine, \$2.00 in merchandise by Halmom's. 2nd prize, Mrs. A. J. Schmeizer, \$1 in merchandise by Halmom's.

Best Display of Baking—1st prize, Mrs. A. J. Schmeizer, sack flour, by Honey and Housner. 2nd prize, Mrs. C. A. McDonald \$1.30 can of Coffee by Conover and Conover.

Best Artichoke Bunch—1st, W. Casen, \$2.00 in stock food by Lamara Drug Store. 2nd prize, Jesse Woods, \$1.00 in merchandise, by J. C. Penney Co.

Best Display of Pumpkins—1st prize, Mr. Burbank, \$2.00 subscription to Herald by Tillamook Herald. 2nd, J. J. Hollett, \$1.00 Universal Liniment by C. I. Clough Company.

Best Trio of Chickens—1st prize, C. A. McDonald, \$2.00 mds. by J. C. Penney Co. 2nd prize, R. Y. Blalock, 6 teacups and saucers by Blum Furniture Store.

Best Calf by Boy or Girl—1st prize, Harold J. Blalock, \$1.00 saving account by Tillamook County Bank. 2nd prize, Leroy Woods, \$1.00 saving account by Tillamook County Bank.

Best Trio of Last Springs Chickens by Boy or Girl—1st prize, Harold J. Blalock, \$1 savings account by First National Bank. 2nd prize, Everett McDonald, 75c saving account by First National Bank. 3rd prize, Robie Smith, \$1 of Universal Liniment by C. I. Clough Drug Co.

Best Sewing by Girl—1st prize, Mae Ellis, \$2.00 pair of Shears by King and Crenshaw Hardware Co. 2nd prize, Ella Blalock, 75c savings account by First National Bank.

Best Display of Vegetables by Boy or Girl—

1st prize, John J. Blalock, \$1.00 saving account by First National Bank. 2nd prize, Lucille Mollet, \$1.50 jackknife, by A. McNair Hardware Co. 3rd prize, Bob Smith 75c mds. by Gilbert Co.

Best Cooking by Girl—1st prize, Adeline Pedorthia, 1.00 in mds. by Smith's Variety Store. 2nd prize, Opal Troutman, 75c in mds. by W. Gilbert Co., Beaver.

School Exhibits—1st prize, Boulder District 50, cash \$2.50 by the citizens. 2nd citizens. 3rd prize, Brown District 32, cash \$1.50 by the citizens.

Special prize to Blaine S. S. for exhibit, \$2.00 cash by the people.

There were many displays worthy of prizes but we did not have them. The judges did the best they could with the prizes. The committee in charge wishes to thank all for the wonderful display they made and we think Mr. Walker deserves special mention for his mounted display of birds, etc. We thank him very much for his help. We also wish to thank the speakers and judges for their help.

GRANGE 503, BY COMMITTEE

NEHALEM NEWS ITEMS

The Artisan dance at their hall at upper town Saturday night was well attended and much enjoyed.

Mr. and Mrs. William Tohl of Albany are visiting the former's parents near here this week. Mr. Tohl is engaged in the drug business.

Mr. and Mrs. Burgess of Portland accompanied by Mr. and Mrs. Wyman and the former's brother and sister from Missouri are spending a few days in Nehalem, and enjoying the fishing.

W. J. Mead and family drove down to the county seat Saturday on business.

The Elmore cannery at Upper Nehalem has been leased and is being operated by J. M. Spencer of Astoria.

R. A. Crawford is convalescing from a severe attack of gall stones. He has been confined to bed during the past ten days.

Mrs. A. S. Tilden is reported ill with lagrippe.

Mrs. George Blanchard, Miss Zola Kirry and Miss Stonebrink, teachers in the Nehalem schools, were visitors at the county seat last Saturday.

Postmaster Tohl received word yesterday from Washington that Rural Route Number 1 had been extended to include Manzanita and Neah-Kah-Nie. This makes this a standard twenty four mile route and carries a salary of \$1800.00 per year. A locked sack will be carried to Manzanita, while people living between here and that place will have all the advantages of a rural route. The route ends at Neah-Kah-Nie.

Some days ago our attention was called to an interview with the deputy bank examiner in the Oregonian in which the statement was made that the affairs of the defunct Nehalem Valley Bank were being lightened out satisfactorily. We have been asked to mention that no riots had resulted so far as known, but a settlement of twenty or thirty cents on the dollar was not exactly satisfactory to those whose savings were in the institution when its door was closed though there is some satisfaction that the salvage was no less. Selah!

THRIFT TALKS
For Our Townsfolks!

A dollar saved is a dollar earned! That's thrift in its most appreciated stages. It's buying what you and your family need, but insisting upon a big hundred cents' worth for every dollar expended. Our thrift values are well known. Our new stocks afford savings that are important to the family budget.

Fall Suits
For Wide-Awake Boys

Remarkable clothing at the price for boys 6 to 18 years of age—Cassimeres, Serges, Tweeds and Corduroy in the popular colors and shades. Satisfying selection at either

\$5.90

\$7.90

\$9.90

1780

Hand Bags

of Leather
Large display, handsome patterns, pretty colors.
98c to \$4.98

1743

Mackinaws

For Men's Hard Service
All wool, double breasted, belted back, shawl collar.
\$7.90

The Corset for Milady
"Lady-Lyke", Front Laced

Varied Styles
and Materials

\$1.49 to \$4.98

The well-groomed woman is always correctly corseted. She assures herself of freedom of motion, grace in carriage and comfort in body, thus insuring perfect health and charm of poise. These factors have been carefully considered in the building of the "Lady-Lyke" Model, which is our own exclusive make, that all femininity may share in its merits.

Exclusively Our's

Lady-Lyke Corsets

Whether of Corset or Bra, whether you be short or tall, stout or thin, you may know that in our wide variety of styles there is your individual type at value unexcelled. Our standard materials with black boning throughout are proofs positive of durability and wear.

Good, Warm Underwear
For Women and Children

Women's Shirts and Drawers; cotton fleeced, ribbed; long sleeves and ankle length.98c

Women's Silk and Wool Mixture Unions; long or short sleeves or strap shoulders, ankle length.\$2.25

Women's Cotton Unions; fleeced lined; with long or short sleeves; full ankle length;98c

Women's Heavy Fleeced Lined Unions; long sleeves, full ankle length.\$1.49

Unions and Two-Piece Garments

Cotton Unions, full ankle length, drop seat.98c

Cotton Fleeced Unions, ankle length, drop seat.98c

Knit Panty Waists, taped shoulders and waist band, button and supporter loops.29c

Misses' and Girls' Wool Unions; long sleeves and ankle length; drop seat;98c to \$1.49

Cotton Shirts and Drawers for children.49c

Black Knit Pants for children for.49c

Knit Waist Unions; taped and buttoned for panty waist, supporter loops and buttons.39c

Infants' Shirts; cotton and wool Ruben Style.88c to 98c

All-Cotton Shirts 25c to 69c

A NATION-WIDE INSTITUTION -
J.C. Penney Co.
Incorporated
371 DEPARTMENT STORES

OPPOSITE SUNSET GARAGE

TILLAMOOK, OREGON

Dinner is Served

THERE is always something mighty good waiting for you to eat—tender roasts, delicious vegetables served in the most appetizing ways, creamy, fluffy potatoes, piquant salads and dainty desserts.

Have breakfast, lunch or dinner with us. You'll be delighted with the excellent food, the quick service, unfailing courtesy and unusually reasonable prices.

TOURIST CAFE



It's toasted. This one extra process gives a delightful quality that can not be duplicated

Get away this year---

Oregon State Fair

m---September 25-30

Railroad Tickets Only Cost

One Fair
and a Third
Round Trip

Sale dates Sept. 23 to 29 - Return limit Oct. 2nd.

Special Attractions Day and Night

\$75,000 in Premiums and Purses

Agricultural Displays -- Exhibits of every kind

Greatest Horseshow in Northwest

Horse Racing-Amusements-Stock and Poultry Show

For further particulars ask agents or write

JOHN M. SCOTT, General Passenger Agent