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 Surgical Cases Especial Attention
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Southern Pacific Time Table
 Cottage Grove Station

South Bound	
No. 13.....	7:00 a. m.
No. 15.....	6:53 a. m.
No. 19.....	3:10 p. m.
No. 17.....	7:52 p. m.
North Bound	
No. 14.....	1:24 a. m.
No. 16.....	2:10 a. m.
No. 18.....	10:31 a. m.
No. 20.....	3:58 p. m.

O. & S. E. R. R. Company

E. BOUND		W. BOUND	
No. 1	No. 2	No. 1	No. 2
A. M. Mls.	STATIONS	A. M.	
7:30	Lv. Cottage Grove.....	Ar. 12:00	
7:50	3.5.....Walden.....	11:25	
7:59	6.7.....Cerro Gordo.....	11:16	
8:14	8.6.....Dorena.....	11:08	
8:40	12.5.....Star.....	10:40	
8:50	13.5.....Wicks.....	10:33	
9:05	15.9.....Red Bridge.....	10:28	
9:15	16.6.....Wildwood.....	10:15	
9:45	20 Ar.....Diston.....	10:00	

Two extra trains for passengers only leave Cottage Grove Saturdays. Extra train leaves 3:00 p. m., returning arrives at Cottage Grove at 5:30 p. m.
 Subject to change without notice.
 All outward freight to station where there is no agent will be left at risk of owner.
 Stage leaves Diston after arrival of train on Monday, Wednesday and Friday for Orasco.
 Freight will not be received at the O. & S. E. R. R. Depot after 5 p. m. To insure forwarding on next train freight must be delivered in ample time to permit of its being billed.
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Standard grades for Men, Women and Children at prices which appeal to the lean pocket book.

COTTAGE GROVE SHOE STORE
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Parlor organ for sale or trade, good as new. Will sell cheap for cash or trade for cow or horse. See Stanley Martin.

You will like the Leader—give it a six months' trial.

THE HORSE, VERSUS THE TRACTOR ENGINE

At a recent demonstration at Purdue University three 30-horsepower kerosene engines hitched to one giant plow of fifty bottoms broke all known records for plowing. This twentieth century monster broke out a strip nearly sixty feet wide at each trip, plowing at a rate of an acre every 4-4 minutes. Four men, three engineers and a plowman, handled the valves and levers of an outfit that equaled the work of fifty men with sulky plows and a hundred and fifty straining horses.

As Edison has said, a horse is the poorest motor ever built. He eats 10 pounds of food for every hour he works. He eats 12,000 pounds of food a year. He eats the whole output of five acres. And yet his thermal efficiency is only 2 per cent.

As a recent government report shows, a farm horse averages 3 1-2 hours of work a day. He tires out in six hours, so that we may fairly assume a tractor to be as powerful as 25 horses, as enduring as 100 horses; and about as expensive as ten.

A horse is cumbersome, too, as well as inefficient. He requires 750 cubic feet of barn. He and his feed require 3,250 cubic feet. All told, our horses and mules consume in a year 73,000,000 tons of hay—an immense bulk which has to be produced and handled. If all the horse-ford were grown in one vast farm, that farm would be as large as Iowa, Indiana, Illinois and Ohio combined.

The feed of a work horse costs \$55 to \$60 a year and other items bring the total to \$100, or more than 10 cents for each hour at work.

The fact about the horse, that he burns hay for fuel, makes him enormously expensive. No other engine costs as much per horsepower as horses do at present.

The tractor does not require attention when not at work. Thirty million work animals, each taking twenty-seven minutes of a man's time every day, mean an enormous waste of human energy. The time spent annually in caring for one horse will keep in perfect condition a tractor with the power of thirty horses.

The tractor will endure hard work twenty-four hours a day instead of nine and outlive the average horse in hours of service. Its fuel is much more concentrated than food for the horse, and a tractor with a year's fuel supply can be sheltered in a tenth of the space required for horses of equal power and their feed.

Horse-owners are today being compelled to use trucks and tractors. No matter what objections they may have in their minds, there is nothing else to do. The present situation cannot be handled with horses; and it can be handled with machinery.

The horse, after all, is an optical delusion, so far as power is concerned. He is not as strong as he looks. Practically all of his pulling is done with one hind leg. His front legs are pilot legs mainly, like the pilot wheels of a locomotive. They serve more to hold up the weight of the body than to pull the load.

If a horse were made of steel, like a gas engine, in fact, be no larger than a waste basket or a soap box. Being a hay motor, he had to be made enormously large in proportion to his power.

We find the same result when we compare the cost of the tractor with the cost of the horse. With a team of horses, costing \$500, one man can plow 100 acres at a cost of \$250, yet, with a tractor costing \$3,000, one man can plow 100 acres at a cost of \$150.

By its rapid work the tractor renders the farmer less dependent on Providence and insures greater yields by giving him the upper hand of unfavorable conditions.

Every five square miles of plowing with a horseplow means a distance traveled of 25,000 miles. It means a single furrow around the whole earth. Merely to plow enough land for one loaf of bread requires a single furrow fifty feet long.

The Editor's Item.

The Editor was worried By the countless host Who asked for information Of the parcels post;

Which may explain his item: "Hiram Johnson Bone Has gone to make a visit To the Second Zone!"—Ex.

EVERY MAN'S SHOULDER TO THE WHEEL

Editor Leader:—

A test has come to the farmers of the region of Cottage Grove to show whether they have the capacity and the disposition to get together and help themselves. The ancient Greeks developed the proverb: "The gods help those who help themselves." It was an old Roman who was represented as saying to his friend: "The fault, dear Brutus, is not in our stars but in ourselves, that we are underlings." It was in this ancient soil that the fable of Hercules and the man with the oxcart grew up. The cart had stuck in the mud; instead of trying to pry it out himself, the man sat down and began to pray to Hercules to help him out. Suddenly Hercules appeared and said to him: "First put your shoulder to the wheel. When you have done your best, then call on me." When the man had obeyed, he found that he did not need the help of Hercules.

A joint committee, acting under authority of the Cottage Grove Grange and the Cottage Grove Commercial Club, has, at some little expense of time and work, formulated a plan by which the people of this community may provide for themselves a cannery which shall be all their own; a cannery which nobody else may appropriate or control.

In order that every farmer may have a share in this organization, the price of the shares has been placed at five dollars. In order that a few stockholders may not secure control, the number of shares which any one man may own is limited to three. There can, therefore, be no freezing out of the many by the few. In order that there may be perfect equality as to voting rights, each share holder is permitted to cast the same number of votes—just one.

In order that this stock might be as widely distributed as possible, and as many persons as possible be interested in the enterprise, the price has been made small and the number of shares large—600 shares, amounting to \$3,000, at the par value of \$5 per share.

Our friends at Creswell have chosen a somewhat different course, and time alone can tell which has acted the most wisely. They have made the price per share the same as ours, \$5, with a possible number to one man of 20 shares—\$100 as against \$15 from one individual.

In order that the people of the country and the people of the village may make common cause in this matter, each is equally eligible to become stockholders. In the opinion of many this will prove of the highest importance. In reality, the interests of the two classes are identical. We are not two communities—a country community and a village community—but "one and indivisible," the people of Cottage Grove, whether living inside or outside the corporation limits.

When one of our farmers goes abroad, unless he wishes to particularize, he does not say, "I'm from the country about Cottage Grove," but "I'm from Cottage Grove." And he is. And he is of Cottage Grove while he is here living on his farm. Here is where our common interests meet and center.

Another thing. This endeavor to have as many different persons as possible financially interested in this enterprise for the common good, has a purpose behind it. It is an experiment; but it is an experiment with an object. It ought to be educational. It ought to deepen our interest in each other, to awaken a community of feeling and to make us a more homogeneous people. The very logic of our situation tends in one direction to isolate and separate us into small fractions. As we are drawn up these separate valleys, we find walls rising around us to divide and to make us little communities by ourselves. While this has the advantage of drawing a few of us nearer together, as a whole people it cuts us apart.

But look at it from the other way. Look down the valleys as well as up. As it was said of old, "All roads lead to Rome," so we can say, "All valleys lead to Cottage Grove." Let us prove it. Let us give of our time and means to build up a common interest at the common center. Then we shall continue to be increasingly a united people with common interest in each other's welfare. Selfishness shall give way to altruism and our happi-

FOR SALE

Sunny California Tracts—10 acres and up, only 13 miles northeast of State Capitol, on S. P. R. R., near Antelope, fine level land, in orange, lemon, almond and alfalfa belt, only \$125 per acre, easy terms. Inquire of Leader.

A Nice Little Farm Very Cheap.—26 acres, one-half mile from Cottage Grove, good house, 12 acres in cultivation, 10 acres ready for plow, 4 acres timber, young family orchard, loganberries, strawberries, currants, etc. Crop and tools go with place. 3 creeks, over half bottom land. Inquire at Leader office.

Fine new 5-room modern bungalow, with bath, etc., two lots, close in, on 9th st. Only \$1,500. See the Leader.

Fine Suburban Home—7 1/2 acres fine bottom garden land, 5 acres in pears, 2 acres garden, fine new 6-room modern bungalow, with bath, hot and cold water, toilet, etc. Good drilled well, windmill and tank, new barn and poultry house. Just outside Cottage Grove city limits. Price \$3,600, terms. Inquire at Leader.

FINE BUSINESS LOT.—A well located business lot on Main Street, Cottage Grove, for sale at a reasonable price, or will exchange for desirable residence property in West Cottage Grove. See the Leader about it.

35 ACRES—Good house, woodshed, poultry house, running water, 2 1/2 acres in berries and garden, 80 young fruit trees, some good timber, 3/4 acre slashed, burned and seeded. West of Cottage Grove 2 1/2 miles. A nice little mountain home on county road. \$1,800. Inquire at Leader office.

A FINE HOME.—New 6-room bungalow, barn, buggy shed, poultry houses, 3/4 acres of fine garden and berry land, running spring for irrigating, besides large creek, 1/2 acre oak park, drilled well, fine drainage, in West Cottage Grove, only \$4,000, terms. Inquire at Leader office.

LITTLE FARM—About 50 acres, half bottom land, balance hill land; running water, good family orchard, fair buildings, 1 mile from Cottage Grove city limits on good county road, only \$3,500 terms. Apply to Leader.

SUBURB HOME.—Two acres, 20,000 strawberry plants, gooseberries, loganberries, and fruit, neat 5 room cottage, poultry yards, running water all the year, fine garden spot on creek bank. On west Main street, only \$1,200. Inquire at Leader office.

BARGAIN.—For Sale or Trade—80 acres, 25 in cultivation, balance second growth timber, 4 miles from Cottage Grove, half mile to R. R. station and school, new 6 room house, barn, chicken houses, etc. Good springs and running water, family orchard, 125 trees bearing, about 400 young fruit trees. Will sell or trade for town property. Inquire at Leader office.

TEN ACRE PEAR ORCHARD—Trees 3 years old, fine rich sandy bottom land, only one mile from Cottage Grove post office. Fine for berries and vegetables between trees. \$2,750, want \$1,200 cash, \$550 in one year at 7 per cent, \$1,000 in two years at 6 per cent. 5 per cent discount for all cash. Address the Leader.

HOME FOR YOU.—Lot 75x95, good two-story house, 7 rooms, fruit trees in bearing, some berries. South Fourth St. Price only \$1,000. Inquire of D. B. Chamberlen.

For Sale.—A good, practically new, Shattuck piano. \$175 on installments, or \$160 cash. Inquire at Leader office, or 'phone 968.

How Does This Suit You?—8 acres in Spray's tract, (Cedar Park) 1 3-4 miles east of Cottage Grove, good fences, 700 prune trees, 1200 gooseberries, water right for irrigating. Cheap, half cash. Inquire at Leader office or of E. G. O. Groat.


ness shall become a common fund.

If this enterprise which we have in hand is to be carried to success, it will be by each one awakening to his individual duty. Convinced, as no doubt we are, of its supreme desirability, we ought to crowd in here with our subscriptions. Too much burden will fall upon a few if each subscriber must be visited personally. In that case it would have been easier to have raised the amount in larger subscriptions. But would it have been as well for all concerned? I think not. Far better with many, each doing his modest part.

Lastly, each man who can—and surely most can—needs to take the full limit of three shares. It means more sacrifice—a good deal for many. But so does it to buy seed to plant our fields. We do not on that account let them go unplanted, or expect some one to plant them for us. Say not, "Others will do it if we don't." Very likely they will—and own it too—and to that extent own us likewise.

T. W. DELONG.

C. E. Stewart, the fruit inspector, reports much "cedar rust" in evidence in the pear trees about Creswell.



Printer's ink won't make the car go. There's only one reason why 200,000 new Ford's can't possibly satisfy this season's demand. The car itself is right with a rightness that is unmatched anywhere at any reasonable price.

There are more than 220,000 Fords on the world's highways—the best possible testimony, to their unexcelled worth. Prices—runabout \$525—touring car \$600—town car \$800 f. o. b. Detroit with complete equipment. Catalogue from Nesmith Auto Co., Cottage Grove, Oregon.

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FIRST NATIONAL BANK
 CAPITAL and SURPLUS \$50,000.00
 COTTAGE GROVE, OREGON

Reliable Harness



The Catalogue House

A catalogue lists a double work harness, No. 10 L 2316 at \$46.74. I will supply any farmer or teamster with the same harness at the same price plus \$1.00 for freight.

C. W. BEALS

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High Grade and Fresh Stock at Live and Let Live Prices.

"Pure White" Hard Wheat Flour, Bacon, Lard, Compound

Jansen & Walker
 PHONE NO. 9

Fruit and Garden Land—10 acres, all but one-half acre in cultivation, river bottom, 3 acres young orchard, 4-room house, barn, chicken house, two good wells. Mile and a quarter south of Cottage Grove. Only \$2,600. Inquire of Leader.

BIG TRACT CHEAP.—1000 acres, only 4 miles from Cottage Grove, on main county road, about 100 acres under cultivation, 200 or 300 acres young timber, balance good pasture, much of which can be easily cleared for cultivation, four streams on place, three small residences, one good barn. A great investment at \$20 per acre. Fine for subdividing. Call on the Leader.

TIMBER—Fully 4,000,000 feet, 100 acres, good, sound timber, 1 mile from R. R. station, key to big body of timber back of this tract, running water for flume, 10 or 15 acres clear land, family orchard, fair house and barn, \$4,800, terms. Neighbors hold their timber at \$2 per 1,000.

Fine Improved Farm.—80 acres, 70 acres in cultivation, 10 acres good pasture. Five acres 12-year-old apples, 5 acres 9-year-old apples, 24 Bartlett pears. Fine water, running stream. Good two-story 8-room house, 2 good barns, blacksmith shop, hog and hen houses. 2 1-2 miles south of Cottage Grove. Crops go with place if sold before harvest. Would divide in two fine places. Price \$12,500, terms. Inquire at Leader office.