

AGRICULTURE ON INTENSIVE SCALE

The following article appeared in a recent number of the Astoria News, from the pen of Professor H. S. Lyman: It is the idea of what is often spoken of as "intensive agriculture" that space is not the chief thing. Some space, of course, is necessary. But the old idea that production must be increased by increase in space, is set aside by the new—now at least here. Space is one of the least of the elements in production. Under intensive agriculture about the first thing is to reduce the size of the farm. Only in this way can or will the other necessary element be brought to bear.

In the Hood River country the first essential to intensive farming is the land. The old sections, or half of quarter sections, have been cut up. One farmer with whom I talked over the fence as he paced in his morning, said in reply to my question, that he owned ten acres, but thought he wanted fifteen. Another gave the size of his farm as 9 1/2. Another, and this the owner of one of the finest looking in the valley, gave his as 42 acres—but added, speculatively, that this was the most. About ten to fifteen acres was regarded as the average. From a casual list of farms offered for sale over one half acre of 20 acres or more, and those over one acre were mainly cheap unimproved places. The valuable places are small. The value is at once seen to be not in the space covered, but in what comes off of the space. One hundred dollars to \$200, or up to \$300 per acre is asked for farm lands in full cultivation. Bare land bringing nothing back is worth \$15 or less. The element of speculation or speculative value, is almost eliminated; it is scarcely considered.

Looking over the farms even at a glance on a dreary morning, walk one sees why an acre of farm land is valuable at \$300. Clover or alfalfa, the second or third crop, makes many an acre green now where twenty years ago the ground was too bare at this season to set the proverbial jack rabbit. Five tons or more of fodder, more green where then was scant pasture, or occasionally a field of wheat. The land has been made productive nine months instead of three. But the clover is not grown so much for its self as to improve the soil. Even four or five tons of hay per acre is but an auxiliary crop, and this when hay is worth \$75 a ton.

Passing on one sees the strawberry vines forming the covering of about half the farm lands in the valley. One cultivator of this fruit states that last year this brought him but \$60 per acre. But he marketed but half his crop; the fault was not in the production, but in a market badly glutted. Another strawberry grower says that an average crop brings \$100, and that he has 150 crates per acre—\$150, or \$100, is thus a conservative estimate. Two poor years have now come in succession, last year's crop having been injured by rain followed by heat in the picking season, and this year's ripening at present, at the time that the main crop in the East was placed on the market. Like every industry, strawberry growing, thus has its ups and downs. It is also, more than any staple, subject to change from place to place; making sudden gains here and there, and as suddenly declining. The strawberry, like many things superfluous, is thus prone to be coy and fickle in its favors.

For this reason the preference now is toward the cultivation of apples. Under proper management this is no wonder. An orchard now noticed, for instance, is so heavily loaded that many of the branches are bent to the ground and nearly every tree is supported by props. Going in one finds the owner at work in his apple house. There are six acres in the orchard, he says; seventy trees to the acre; not less than five boxes to the tree; and he has already sold his entire crop at \$1.70 per box, or basket of 40 pounds. The apples are the Newtown pippin, remarkable for its keeping and shipping qualities. After paying 5 cents per box for the sale, over \$2,000 will be left; or \$500 per acre for one year. This may safely be divided to average up the crops and the markets, and then place apple growing as safer and surer than strawberries; but the berries will not be superseded to an exclusion extent. They are the things best adapted here to culture while preparing for the orchard.

All this time one has been observing the immediate agent in bringing this land up from a bare \$10 to the acre to a value of \$800. It is the water. For space the value may be assigned, as 100 over \$10. To find the other \$790 value we must find some other element beside the surface. Here at Hood River one cannot assign much to the soil. This is light, sandy or gravelly, and usually reckoned poor. It has certain excellencies, but cannot compare with such soils as in the Palouse country, for instance, which is worth only \$20 or \$40 per acre. Much of the value, in addition to that of the surface soil, must thus be attributed to the element that has been brought upon the surface—the water. This has been flowing in great quantities in the river bed. It is now distributed over the surface and has made the intensive agriculture possible here. Or rather, it is the new idea of the intensive agriculturist to put together in small and convenient space the scattered, or divided, elements that are required in production. If the water and soil are separated, bring the water to the soil. Do not make your plants try to find the soil in one place and the water in another. Do the business all in one place. If the plant food is not found in the ground in sufficient quantity, bring it to the plants. Do not try to make the plant reach over spaces if all that is necessary may be put in one space.

Water has thus been brought upon the surface, with the result that a certain space is now sufficient for ten times the plant life, and plant work, and production, that the same space afforded before. This certainly is nothing new. But here in Hood River there is a new application of the old principle of practice. This is under new and better circumstances, and is a great success. It is making land worth ten to twenty times what it has been, and is multiplying production equally.

Here a comparatively new theory of the water has been applied. If the water is the main agent of bringing land up to high value it would seem that the water should go the way. And so it should, and so it has been arranged here. That is, the water runs with the land. In the main part of the valley the water is made an appearance of the land it waters, and no one can own the water unless by becoming an owner of the land. If the land is sold the use of the water goes with it.

From the Oregon Timberman.

October 1, the Menominee Lumber company shut down for 60 days in order to work off stock. This company then had on hand 3,700,000 feet, which has since been reduced to 1,000,000 feet. The company reports a market stronger than 30 days ago and the volume of business as greatly improved. Its camp on the White Salmon began operations September 20, and is cutting 75,000 feet per day. The company, in common with other manufacturers complain of a shortage of cars. Managers Ingalls of the Oregon Lumber company's mill at Ingalls, reports shipping about 100 cars of lumber per month to points in Nebraska, Utah, Idaho, Wyoming and to Chicago. Between March 1, when the mill was opened, and October 1, the mill cut 8,000,000 feet. This mill recently completed an order for a sugar mill at Blackfoot, Idaho, for 1,000,000 feet of lumber. The present cut of the mill averages 75,000 feet per day, of fir. The company's logging camp on Beaver creek, is cutting about 75,000 feet of logs daily.

Davenport Bros. Lumber company Hood River, reports an increase in demand for dimensions and the local market shows an advance. The company's at Green point is setting timbers with a temporary rig for its new two-mile flume from the mill to connect with the old flume which will afford the company 11 miles of flume. Its September shipments to all points included some 50 cars, of which 30 cars went to the San Pedro road, 10 to the Oregon Short Line and the remaining 10 to various points. The total shipments were 1,100,000 feet.

The Bridal Veil Lumber company, Bridal Veil, report the past season as exceeding expectations. Its orders for boxes for Hood River fruit packers for the season amounted to 40,000. In December it will begin an order for orange boxes for Los Angeles packers of 75,000. During the past season it filled orders for Portland flour boxes of 16,000. The company is working on an order for boxes of upwards of 1,000,000 feet of dimension. It is filling an order for 200,000 feet for Walla Walla and one of 800,000 feet for Milton. Its September shipments were 97 cars and its October shipments exceed that figure. Its present stock on hand is about 1,000,000 feet. Manager Bradley says there is no trouble in getting orders, and looks for better prices next year.

Fell 40 Feet but Wasn't Dead. Officer Crate thought he surely had run across a subject for the coroner Tuesday evening as he was coming into town from a walk out to Hoboville says The Dalles Chronicle. As he passed a point near the oil tanks he saw an Indian lying on the rocks at the foot of the bluff, with a big gash in his head, from which blood was streaming. Hastening to a telephone he called on Coroner Barret, who, with Marshal Wood and an express wagon, was soon on the spot. When they stopped to pick up the fallen man they discovered that the "corpse" wasn't dead yet. Placing him in the wagon they brought him to the city jail and later turned him over to Tillamook, and the last heard from him was that the happy hunting ground may be six cups close ill'd but he won't be a resident for a while yet. It seems that some Indians from Warm Springs were having a close time, when one of them pushed the other over the bluff, a fall of 60 feet onto the rocks below, where he was found. The coroner didn't set on him but concluded that Siwash are like cats, having nine lives.

Grip Quickly Knocked Out. "Some weeks ago during the severe winter weather both my wife and myself contracted severe colds which speedily developed into the worst kind of a gripe with all its miserable symptoms," says Mr. J. S. Egleston of Maple Landing, Iowa. "Cues and joints aching, muscles sore, head stopped up, eyes and nose running with alternate spells of chills and fever. We began using Chamberlain's Cough Remedy aiding the same with a dose of Chamberlain's Stomach and Liver Tablets, and by its liberal use soon completely knocked out the gripe. These Tablets promote a healthy action of the bowels liver and kidneys which is always beneficial when the system is congested by a cold or attack of the gripe. For sale at Williams' Pharmacy."

A Certain Cure for Croup. When a child shows symptoms of croup there is no time to experiment with new remedies, no matter how highly they may be recommended. There is one preparation that can always be depended upon. It has been in use for many years and has never been known to fail, viz: Chamberlain's Cough Remedy. Mr. M. F. Conpton of Marret, Texas, says of it: "I have used Chamberlain's Cough Remedy in severe cases of croup with my children and can truthfully say it always gives prompt relief." For sale at Williams' Pharmacy.

The following petition was circulated among the business men of Hood River: We, the undersigned business men of Hood River agree to close our respective places of business at 6 p. m., during the months of November, December, January, February and March, all Saturdays and the two weeks from December 12 to 24, excepted. Wm. M. Stewart, Frank A. Cram, J. E. Rand, Ash & Co., S. E. Bartholomew, I. Goldstein, J. S. Booth, W. Haynes & Co., Wood Bros., S. A. Knapp, Mayer Bros., Medicine Bros., Geo. P. Crowell, R. B. Bragg & Co., Oregon Lbr. Co., Bone & McDonald.

The Key That Unlocks the Door. The men of eighty-five and ninety years of age are not the robust well fed but thin spare men who live on a slender diet. Be as careful as he will, however, a man past middle age, will occasionally eat too much or of some article of food not suited to his constitution, and will need a dose of Chamberlain's Stomach and Liver Tablets to cleanse and invigorate his stomach and regulate his liver and bowels. When this is done there is no reason why the average man should not live to old age. For sale at Williams' Pharmacy.

At least five couples had something to be thankful for on Thanksgiving, says The Dalles Chronicle, and adds: "How it will be a year from now remains to be seen." Among those granted Thanksgiving papers last Wednesday were Frank Boardman and Miss Effie Robinson.

THAT AWFUL DUST ON TRIP TO HOOD

A writer in the Brooklyn Eagle has the following to say of Hood River apples and Hood River dust: It is not as much fun to raise strawberries as it is to eat them, but it is more profitable at Hood River. Last year 90,000 24-pound crates which brought the growers \$150,000 were shipped from Hood River. As much as \$800 is often realized from an acre of berries, though \$300 is the more usual sum, of which at least two-thirds is net profit. Knowing this it is not surprising to hear that good strawberry hands sell here for \$300 a year, but it does rather make one open his eyes to learn that apple lands with bearing trees are held at \$1000 an acre.

For Mount Hood's banner crop is not of large, bright, wormless apples of fine flavor, to the acre. It is of record that one man sold \$7500 worth of apples from eight acres one season, and another \$1121 worth from three acres. The arid west is the best adapted to fruit growing of any country known. There are no off years, for irrigated orchards bear full crops every year. What a full crop is, only those who have seen the trees weighed down with incredible quantities of fruit can understand. Apples, peaches, pears, plums, grapes and small fruits all thrive and produce fruit superior in size, flavor and appearance to anything grown east of the Mississippi.

The dust is one great plague which afflicts all the arid west and that is dust. Some places are more dusty than others, but no one ever heard of a place that was less dusty. But of all the dusty roads that I have seen, none is so bad as that upon the one up Mount Hood. The soil on Mount Hood is of volcanic ash, which may be good to raise strawberries upon, but it is mighty poor stuff to breathe. It is worse than the dust of the mountains, for it is ground finer, is lighter, more penetrating and more irritating. It is worse than irritating, it is maddening. Every step of the way the dust is from four to six inches deep. The horses seem to take delight in dragging their feet so as to stir it up as much as possible. Whenever they get a good chance they plant their hoofs squarely upon an unusually impalpable heap, sending great umbrella-like rings of the stuff circling up their legs and back into your eyes. The stage is constantly enveloped in a great gray cloud in which you cough and choke and sneeze and gasp and darn the throat to thunder. You can't see for a little hole in the cloud so you can get a little bit of a break; but failing in this you try holding your breath until you have to let go or stop breathing for keeps. Then you find you have made things worse, for after holding the breath one invariably inhales more deeply than usual for several respirations. This sends the dust into the remote recesses of your lungs that have hitherto escaped the general application and the result is a paroxysm of sneezing that nearly brings on apoplexy. At rare intervals a puff of air will roll the dust a few inches away from your side of the stage. You open your lips to snatch a quick breath of relatively pure air but the clouds roll back and the hind wheel flirts a pint or so of the heavier dirt into your mouth. Even if you can contrive to get a breath occasionally, it is jolted out of your possession by the wind, and you are coming up on a rock and falling off on the other side and then repeating the process ad infinitum.

This sort of travel is considered too severe for the horses, so they are changed half way up the mountain. But no mercy is shown the passengers; they are not even given chloroform. In the innocence of your heart you may have imagined you would get some grand views of the mountain. At the rare intervals when the dust cloud is lifted for an instant by a wandering zephyr you get an entrancing vista of chaparral and chinquapin bushes for several inches on either side of the road and that is absolutely all. For the road is a single track cut through underbrush so thick that a chipmunk couldn't get through it. This concentrates the dust within a narrow space so the passengers can breathe it all without a break.

After eight hours of mortal agony you may expect to hear a relief party from Cloud Cap Inn. Guides meet the stage below the inn, lift the helpless passengers out and shovel them off. High-priced Rooms at Olympia. Senator G. H. Baker was over at Olympia the past week to secure a room to stop in during the legislative session. This year he has to pay \$120 per month for the same room and board that he got for \$40 during the last session. These exorbitant prices are owing to the fact that the Olympia, the largest hotel at the state capital, was completely destroyed by fire last year. There is a great demand from all sections of the state that the capital be moved to Tacoma, both on account of hotel accommodations and the convenience in reaching or leaving that city.—Goldendale Sentinel.

No More Suffering. If you are troubled with indigestion get a bottle of Kodol Dyspepsia Cure and see how quickly it will cure you. Geo. A. Thompson, of Spencer, Ia., says: "I have had dyspepsia for twenty years. My case was almost hopeless. Kodol Dyspepsia Cure was recommended and I used a few bottles of it and it is the only thing that has relieved me. Would not be without it. Have doctored with local physicians and also at Chicago, and even went to Norway with hopes of getting some relief, but Kodol Dyspepsia Cure is the only remedy that has done me any good, and I heartily recommend it. Every person suffering with indigestion or dyspepsia should use it." Sold by G. E. Williams.

The Fossil Journal copies the article from a recent issue of the Pacific relative to a general land office order concerning the making of final proofs at the land office, and says: "The above refers to a notice that is being sent from the land office to settlers applying to make final proof, to the effect that proofs will probably go through quicker if made at the land office instead of before United States commissioners, and asking if they still desire to make proof before the local officer."

\$100 Reward \$100 The reader of this paper will be pleased to learn that there is at least one medicine that science has been able to cure in all its stages, and that is constipation. It is the only positive cure now known to the medical fraternity. Cathart being a constitutional disease, requires a constitutional treatment. Dr. Jones' Cathart is taken internally, acting directly upon the bowels, and the purification of the system, thereby destroying the source of the disease, and giving the patient strength by building up his constitution, assisting nature in doing its work. The proprietors have so much faith in its curative powers that they offer one Hundred Dollars for any case that it fails to cure. Send for list of testimonials. F. J. CHENEY & CO., Toledo, O. Sold by all druggists. Beware of cheap imitations. Take Dr. Jones' Pile for constipation.

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THE PORTLAND 1905. The Fossil Journal copies the article from a recent issue of the Pacific relative to a general land office order concerning the making of final proofs at the land office, and says: "The above refers to a notice that is being sent from the land office to settlers applying to make final proof, to the effect that proofs will probably go through quicker if made at the land office instead of before United States commissioners, and asking if they still desire to make proof before the local officer."

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