

AGRICULTURAL NOTES

R. C. Jones, County Agriculturist, Farm Record Keeping.

Some of our farmers the past winter have bought farm account books from agents, paying between six and seven dollars for them. Every farmer should keep accounts, but it is not necessary for him to go so deep for a record book. A book of this kind is put up by the Oregon Agricultural College and may be had at this office for twenty-five cents. This book is very simple and complete, having a place for all items of the farm business. They are put out at actual cost for publishing. Why pay \$6.00 for what you can get for two bits?

Clover Culture.

Some of our farmers have been buying bacteria cultures to inoculate clover seed before sowing, so that they may be sure of the nodules on the root which are so necessary to healthy growth. This is a very good plan, but it is not necessary to pay the seed houses \$2 for a culture big enough for an acre. The same thing can be had from the Bacteriology Dept. of O. A. C. for forty cents. Any who desire these cultures should get in touch with me or write direct to Prof. T. D. Beckwith, Corvallis, Oregon.

Drainage.

A petition for a drainage district on the Big Nestucca river west of Cloverdale, was filed with the county court last week. This proposed district comprises 1377 acres of which over 1130 acres were signed up. Much of this land is practically worthless at the present time, but only needs the water removed to make it as productive as any land in the county.

Prof. Larson returned to Corvallis last week, but expects to make another trip here this summer, as time did not permit us to get in touch with all who wanted drainage problems figured out. Any more who wish aid along this line please get in touch with this office at an early date.

Did Alfalfa Do It?

There is a clover field out on Mr. Kunze's farm that presents a question that is not exactly easy to answer. Here are the facts and we will permit you to judge whether or not alfalfa answers the question which they raise.

The field is in the shape of a long narrow strip containing some two acres. Two years ago when it was seeded in oats, six bushels of seed per acre were put on half the field, (the division being lengthwise with the field) and on the other half three bushels of oats were sown as a nurse crop with alfalfa. It is interesting incidentally to note that when cutting time came, it was impossible to tell where the 6 bushel seeding ended and the 3 bushel seeding began, so that three bushels that went into the ground might as well have went into the feed trough to supply the work horses with energy for their task. But this story is about clover not about oats.

The alfalfa was not a stand after the oats were taken off. The weeds and grass came in so that the whole field was plowed, and clover was sown alike on that part that did, and that part that did not have alfalfa on it. Now any visitor can see much better clover on the part of the field that had alfalfa than on the other half. The strip is too narrow for the condition to be accounted for by difference in soil. The division line between the good and bad clover is quite distinct. It is the same line which divided the ground with alfalfa, from that without it. Still, the alfalfa did not make much of a growth, and did not have time to do much soil building. But if you do not give the alfalfa the credit, what is the reason that the clover on the alfalfa ground is better.

New and Wonderful Discovery in Tillamook County.

The county, state and country is very much indebted to the snap shot man for a wonderful discovery he has made. The first announcement of this discovery came out in last week's Headlight. According to the Headlight, the potatoe blight which destroyed the crop last year was caused by the common Tillamook flea. Now in most parts of the country there is good sweet meat enough so that the fleas do not have to eat potatoes. The flea of that particular section must have a depraved appetite, possibly they knew the state was going dry and were looking for the alcohol which can be made from the potatoe. If fleas are what is bothering the snap shot man, we recommend that he secure a copy of the United States Farmers' Bulletin, No. 683 on fleas as pests to man and animal with suggestions for their control.

Now, to be serious, the County Agriculturist was unable to induce anyone to spray last season until after the potatoe began to blight. Everyone said, "Well, they didn't blight much last year, and I guess they will not this." After the blight started all sorts of interest was shown. Recommendations were made, but it was too late, nearly like locking the bars after the horse was stolen.

Students of plant diseases tell us that the blight is caused by a minute parasitic plant of the fungus order, like bread mold. It is carried over from year to year in the seed, in volunteer potatoe, etc. No way has been discovered of treating the seed to destroy the blight. Spraying the tips with Bordeaux Mixture will control blight if done in time and done right. The first spraying should be done as soon as the potatoe are 4 to 6 inches high, and care should be taken to thoroughly cover all the foliage; this should be repeated every week or ten days until about 6 applications have been made. Wet seasons are especially favorable to blight and applications should be made more frequently in such seasons than in dry ones. More applications will be necessary.

The Bordeaux mixture is made as follows: Slack 5 pounds of quick lime and make it up to 25 gallons with addition of water. Dissolve 5 pounds of

blue vitriol (copper sulphate) in 25 gallons of water. The two solutions should be kept separate until they are wanted for use, when they are mixed in equal parts and used immediately. The two solutions will keep indefinitely, but after they are mixed they are only good for immediate use.

If the snap shot man or any others are real anxious to be shown, they should follow these directions and have a strip without treating so they can see if medicine does any good. If it does not, this will be the first place in the U. S. where it has failed when used right.

Cut this out and save it so you will know how to keep off blight.

Notice of Appointment and Time of Meeting of Viewers for Laying out Extension of Tenth Street.

Notice is hereby given that the Common Council of Tillamook City, Oregon, has appointed C. J. Edwards, Frank Lloyd and C. L. Myers as viewers to view the following proposed street to-wit: An extension of street platted as Seventh Street in A. A. Miller's Addition (now known as Tenth Street) by extending the North line of said Tenth Street in a Southwesterly direction from the Southwest corner of Block 14, in A. A. Miller's Addition to a point in the East side of Block 46 in Thayer's Addition 60 feet North of the center of the East side of said Block, and running thence West of the West side of said Block 46, and by extending the South line of said Street from the Northwest corner of Block 46 in A. A. Miller's Addition Southwesterly to the center of the East side of Block 46 in Thayer's Addition, and running thence West to the West side of Block 46.

As provided for by Ordinance adopting the surveyor's report, passed April 8th, 1916, and has appointed Tuesday, the 11th day of May, 1916, at the City Hall in Tillamook City, Oregon, at the hour of 10 o'clock a.m. is the time and place for said viewers to meet for the purpose of making the assessment of damages and benefits arising out of the proposed extension of said street.

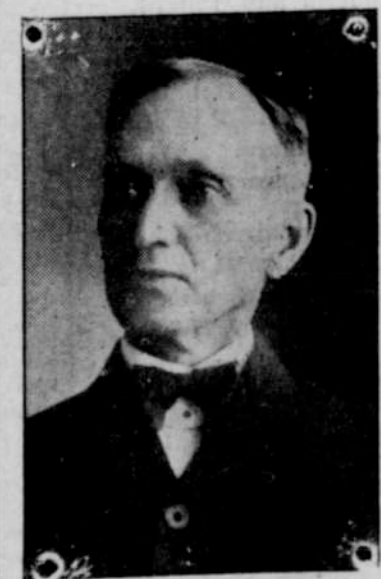
All persons claiming damages by reason of the appropriation of any property affected by said proposed extension are hereby notified to file their claims for such damages with the undersigned City Recorder, of Tillamook City, on or before the time so appointed for the meeting of said viewers.

The boundaries and termini of the proposed extension, and the description of the private property to be appropriated for said extension are as follows to-wit:

Said proposed extension is bounded as follows: Beginning at the Southwest corner of Block 14, of A. A. Miller's Addition to Tillamook City, Oregon, and running thence in a Southwesterly direction to a point in the East side of Block 46 in Thayer's Addition, 60 feet North of the center of the East side of said Block; thence West to the West side of said Block 46; thence South to the center of the West side of said Block 46; thence East to the East side of said Block 46 thence Northeast to the North West corner of Block 16 in A. A. Miller's Addition to Tillamook City; thence North to the place of beginning.

The private property to be appropriated by said proposed extension is described as follows: 60 feet off the South end of Lot 1, 60 feet off the South end of Lot 3, in Block 46, of Thayer's Addition, also a strip of land 53.3 feet in width East and West by 60 feet North and South, bounded on the West by Block 46 Thayer's Addition to Tillamook City; on the East by the West line of A. A. Miller's Addition to Tillamook City; on the South by a line extending from the Northwest corner of Block 16 of A. A. Miller's Addition to the center of the East side of Block 46 of Thayer's Addition, and on the North by a line parallel with the South boundary and 60 feet distant therefrom.

Dated this April 11th, 1916.
Ira C. Smith,
City Recorder of Tillamook City, Oregon.



JESSE EDWARDS.
Newberg, Ore. Republican Candidate for Joint Senator of 24th District, comprising Washington, Yamhill, Tillamook and Lincoln Counties.

Thirty-five years a resident tax payer of Oregon, serving fifth term as mayor of the city of Newberg.

Served in the capacity of president and member of various business, industrial and educational organizations. Have had a wide range of business experience.

If elected will give my best services to the interests of all parts of the district and state.

Honest Efficient Service will reduce taxes. Would appreciate your support.

(Paid Adv.)

Notice of Intention to Improve Streets in Tillamook City, Oregon.

Notice is hereby given, to all whom it may concern, that the Common Council of Tillamook City, Oregon, deem it expedient, to improve the streets hereinafter described, and did, on the 2nd day of May, 1916, adopt a Resolution and Notice thereof, which said Resolution and Notice is in words letters and figures as follows, to-wit:

Resolution and Notice of Intention to Improve Certain Street in Tillamook City, Oregon.

Be it Resolved, That the Common Council of Tillamook City, Oregon, deem it expedient, and hereby declares its intention to improve the following street in Tillamook City, Oregon, to-wit:

Eight Street, from the center of Sixth Avenue East, Easterly and East to the East boundary of Tillamook City, in the following manner:

By establishing the grade of said streets;

By grading said streets to the proper sub-grade;

By rolling the roadway thereof;

By laying on said street a concrete roadway, 30 feet in width, 6 inches in thickness at the sides and 7 inches in thickness in the center.

By constructing along each side of said roadway a concrete curb;

By constructing concrete catch basins and laying drain pipe, together with inlets and making provisions for the necessary surface drainage of said street, with all the appurtenances thereto, and

By laying and constructing a sewer along said street from the flush tank near the West side of Park Street East to a point 30 feet West of the East boundary of Tillamook City.

All of the said improvements to be made in accordance with the charter, resolutions and ordinances of Tillamook City, Oregon, and in accordance with the plans and specifications and the estimates of work therefor, and the probable cost thereof, made and prepared by the City Engineer of Tillamook City, Oregon, and filed in the office of the Recorder of said Tillamook City, Oregon, on April 8th, 1916, and all of said improvements to be made at the expense of the property, and all thereof adjacent thereto and especially benefited by said improvements, and within the limits of the assessment district established and defined by this resolution.

Be it further resolved that the plans, specifications and estimates for the proposed improvements so made and prepared by the said City Engineer and filed as aforesaid (the estimate of the probable cost being the sum of \$11,916.11), be and the same are hereby approved.

That the boundaries of the assessment district to be benefited by said improvements and assessed therefor be, and the same are hereby established as follows:

Beginning at a point in the West boundary of Block 34, Thayer's Addition to Tillamook City, 167 feet North of the Southwest corner of said block, and running thence South easterly in a direct line to intersect a line 105 feet North of the South side of said Block 34 at a point 100 feet East of the West line of said Block 34; thence East along said line in said Block 34 and the center line of Blocks 3 and 4 of A. A. Miller's Addition to Tillamook, and Blocks 4, 5, and 6, of Park Addition to Tillamook City to the boundary line of said Tillamook City; thence South along the East Boundary line of Tillamook City to the center line North and South of Block 7, Park Addition, aforesaid; thence West along said center line, through blocks 7, 8, and 9, of said Park Addition, and Blocks 5 and 6 of A. A. Miller's Addition to Tillamook, and Block 37 of Thayer's Addition to the West line of said Block 37; thence North to the place of beginning.

That said assessment district shall be and is hereby designated as "Local Improvement District No. 5," and the property and all thereof included within said Local Improvement District No. 5 is the following:

In Thayer's Addition to Tillamook City, Oregon, the following:

All that part of Block 34 lying South of a line running from a point in the West line of said Block, 167 feet North of the Southwest corner of said Block, and running thence South easterly to intersect a line 105 feet North of the South side of said Block at a point 100 feet East of the West line of said Block, and running thence East to the East side of said Block 34; and Lots 1, 2, 3, and 4 in Block 37.

In A. A. Miller's Addition to Tillamook, now Tillamook City:

Lots 12 to 22 inclusive, Block 3;

Lots 5, 6, 7, and 8, in Block 4;

Lots 1 to 11 inclusive in Block 5;

Lots 1, 2, 3, and 4, in Block 6.

Be it further resolved, that the City Recorder be and he is hereby instructed to cause this resolution and notice to be published for three consecutive publications in the city official newspaper, and that the City Engineer be, and he is hereby directed to cause to be conspicuously posted at each end of the line of the contemplated improvements a copy of this Resolution and Notice, within three days from the date from the first publication of such notice. The said published Resolution and Notice, to also contain all of the matters with reference to said proposed improvement that are required by the charter and ordinances and resolutions of Tillamook City, Oregon, and all persons concerned are notified to govern themselves accordingly.

All persons concerned are hereby further notified that the first publication of this notice is made on the 2nd day of May, 1916, and that objections and remonstrances to the proposed improvements may be filed with the undersigned, City Recorder, within 20 days from said date.

Done by order of the Common Council of Tillamook City as set forth in said resolution and notice.

Dated this May 2nd, 1916.

Ira C. Smith,

City Recorder of Tillamook City, Oregon.

City Recorder of Tillamook City, Oregon.

Notice of Intention to Improve Streets in Tillamook City, Oregon.

Notice is hereby given, to all whom it may concern, that the Common Council of Tillamook City, Oregon, deem it expedient, and hereby declares its intention to improve the streets hereinafter described, and did, on the 1st day of May, 1916, adopt a Resolution and Notice thereof, which said Resolution and Notice is in words letters and figures as follows, to-wit:

Resolution and Notice of Intention to Improve Certain Street in Tillamook City, Oregon.

Be it Resolved, That the Common Council of Tillamook City, Oregon, deem it expedient, and hereby declares its intention to improve the following street in said city, to-wit:

Eight Street, from the East line of Stillwell Avenue East to the West line of Block 10 in A. A. Miller's Addition to the town of Tillamook, (now Tillamook City), except the intersection of Eighth Street with Second Avenue East, already paved, in the following manner.

By establishing the grade of said streets;

By grading said streets to the proper sub-grade;

By rolling the roadway thereof;

By laying on said street a concrete roadway 24 feet in width and 6 inches in thickness;

By constructing along each side of said roadway a concrete curb;

By building concrete catch basins and laying drain pipe, together with inlets and making provisions for the necessary surface drainage of said street, with all the appurtenances thereto, and

By laying and constructing concrete headers.

All of the said improvements to be made in accordance with the charter, resolutions and ordinances of Tillamook City, Oregon, and in accordance with the plans and specifications and the estimates of work therefor, and the probable cost thereof, made and prepared by the City Engineer of Tillamook City, Oregon, and filed in the office of the Recorder of said Tillamook City, Oregon, on May 1st, 1916, and all of said improvements to be made at the expense of the property, and all thereof adjacent thereto and especially benefited by said improvements, and within the limits of the assessment district established and defined by this resolution.

Be it further resolved that the plans, specifications and estimates for the proposed improvements so made and prepared by the said City Engineer and filed as aforesaid (the estimate of the probable total cost of said improvements as made and prepared by the City Engineer being the sum of \$11,480.93), be and the same are hereby approved.

That the boundaries of the assessment district to be benefited by said improvements and assessed therefor be, and the same are hereby established as follows:

Beginning at the Southwest corner of Lot 4, in Block 3, of R. R. Hay's Addition to Tillamook City, and running thence East along the center line of Blocks 3 and 4 in said Hay's Addition, and Blocks 15, 16, 22, 43 and 42 of Thayer's Addition, and continuing East to the West side of Block 12, in A. A. Miller's Addition to the town of Tillamook (now Tillamook City), and running thence North along the West side of said Miller's Addition to a point in line with the center line running East and West of Block 41 in Thayer's Addition to Tillamook City, and running thence West along the center line of Blocks 41, 40, 21, 14 and 13 of Thayer's Addition, and Blocks 1 and 2 of R. R. Hay's Addition, to the Northwest corner of Lot 5 in Block 2, of said Hay's Addition, and running thence South along the East side of Stillwell Avenue to the place of beginning.

That said assessment district shall be and is hereby designated as "Local Improvement District No. 3," and the property and all thereof included within said Local Improvement District No. 3 is the following:

In R. R. Hay's Addition to Tillamook City:

Lots 5, 6, 7, and 8 in Block 1;

Lots 5, 6, 7, and 8 in Block 2;

Lots 1, 2, 3, and 4, in Block 3;

Lots 1, 2, 3, and 4, in Block 4;

In Thayer's Addition to Tillamook City:

Lots 3 and 4, in Block 13;

Lots 5, 6, 7, and 8, in Block 14;

Lots 5, 6, 7, and 8, in Block 21;

Lots 5, 6, 7, and 8, in Block 40;

Lots 5, 6, 7, and 8, in Block 41;

Lots 1 and 2, Block 15;

Lots 1, 2, 3, and 4, Block 16;

Lots 1, 2, 3, and 4, Block 22;

Lots 1, 2, 3, and 4, in Block 43;

Lots 1, 2, 3, and 4, in Block 42.

And tract of land bounded on the South by the center line running East and West of Block 42, of Thayer's Addition, extended to the West line of Block 12, of A. A. Miller's Addition to Tillamook; on the East by the West line of Miller's Addition; on the West by the East line of Lot 3, in Block 42, Thayer's Addition and on the North by the South line of Lots 3 and 4, of said Block 42 of Thayer's Addition, as the same actually exists. All in Tillamook City, Oregon.

Be it further resolved that the City Recorder be and he is hereby instructed to cause this resolution and notice to be published for three consecutive publications in the city official newspaper, and that the City Engineer be, and he is hereby directed to cause to be conspicuously posted at each end of the line of the contemplated improvements a copy of this Resolution and Notice, within three days from the date from the first publication of such notice. The said published Resolution and Notice, to also contain all of the matters with reference to said proposed improvements that are required by the charter and ordinances, and resolutions of Tillamook City, Oregon, and all persons concerned are notified to govern themselves accordingly.

All persons concerned are hereby further notified that the first publication of this notice is made on the 2nd day of May, 1916, and that objections and remonstrances to the proposed improvements may be filed with the undersigned, City Recorder, within 20 days from said date.

Done by order of the Common Council of Tillamook City as set forth in said resolution and notice.

Dated this May 2nd, 1916.

Ira C. Smith,

City Recorder of Tillamook City, Oregon.

All persons concerned are hereby further notified that the first publication of this notice is made on the 2nd day of May, 1916, and that objections and remonstrances to the proposed improvements may be filed with the undersigned, City Recorder, within 20 days from said date.

Done by order of the Common Council of Tillamook City as set forth in said resolution and notice. Dated this May 2nd, 1916.

Ira C. Smith,

City Recorder of Tillamook City, Oregon.

Notice of Intention to Improve Streets in Tillamook City, Oregon.

Notice is hereby given, to all whom it may concern, that the Common Council of Tillamook City, Oregon, deem it expedient to improve the streets hereinafter described, and did, on the 2nd day of May, 1916, adopt a Resolution and Notice thereof, which said Resolution and Notice is in words letters and figures as follows, to-wit:

Resolution and Notice of Intention to Improve Certain streets in Tillamook City, Oregon.

Be it Resolved, That the Common Council of Tillamook City, Oregon, deem it expedient, and hereby declares its intention to improve the following streets in said city, to-wit:

Fifth Street, from the East line of Second Avenue East, East to the center of Sixth Avenue East, and Third Avenue East, from the South line of Fourth Street to the North line of Fifth Street, in the following manner.

By establishing the grades of said streets;

By grading said streets to the proper sub-grade;

By rolling the roadway thereof;

By laying on said streets a concrete roadway, 30 feet in width, 6 inches in thickness at the sides and 7 inches in thickness in the center.

By constructing along each side of said roadway a concrete curb;

By building concrete catch basins and laying drain pipe, together with inlets and making provisions for the necessary surface drainage of said streets with all the appurtenances thereto, and

By laying and constructing concrete headers.

All of the said improvements to be made in accordance with the plans and specifications and the estimate of the work therefor, and the probable cost thereof, made and prepared by the City Engineer of Tillamook City, Oregon, and filed in the office of the Recorder of said Tillamook City, Oregon, on April 8th, 1916, and all of said improvements to be made at the expense of the property, and all thereof adjacent thereto and especially benefited by said improvements, and within the limits of the assessment district established and defined by this resolution.

Be it further resolved that the plans, specifications and estimates for the proposed improvements so made and prepared by the said City Engineer and filed as aforesaid (the estimate of the probable total cost of said improvements as made and prepared by the City Engineer being the sum of \$9,168.52), be and the same are hereby approved.

That the boundaries of the assessment district to be benefited by said improvements and assessed therefor be, and the same are hereby established as follows:

Beginning at the intersection of the center of the West line of Block 7 of Thayer's Addition to Tillamook (now Tillamook City) with the East line of Second Avenue East, and running thence East to the center of said Block 7; thence North to the North line of said Block 7; thence East along the North line of said Block 7, and of Block 8, in said Addition, to the center of the North line of said Block 8; thence South to the center of said Block 8; thence East along the center line of Blocks 8, 18 and 31 of Thayer's Addition to Tillamook City to the East line of said Block 35; thence South to the center line of Block 35 in Thayer's Addition, thence West, following the center line of Block 34, 19, 10 and 9, in Thayer's various Additions to Tillamook City, Oregon, to the East line of Second Avenue East; thence North along said East line to place of beginning.

That said assessment district shall be and is hereby designated as "Local Improvement District No. 6," and the property and all thereof included within said Local Improvement District No. 6 is the following:

In Park Addition to Tillamook City:

Lots 5, 6, 7, and 8, in Block 4;

Lots 5, 6, 7, and 8, in Block 5;

Lots 5, 6, and 7, in Block 6;

Lots 3, 3, and 4, in Block 7;

Lots 1, 2, 3, and 4, in Block 8, and

Lots 1, 2, 3, and 4, in Block 9.

In Thayer's Addition to Tillamook City, Oregon, the following:

Lots 2, 2, and 4, in Block 7;

Lots 1, 2, 5, 6, 7, and 8, Block 8;

Lots 1, 2, 3, and 4, in Block 9;

Lots 1, 2, 3, and 4, in Block 10;

Lots 5, 6, 7, and 8, in Block 18;

Lots 1, 2, 3, and 4, in Block 19;

Lots 5, 6, 7, and 8, in Block 35; and

Lots 1, 2, 3, and 4, in Block 36.

Be it further resolved, that the City Recorder be and he is hereby instructed to cause this resolution and notice to be published for three consecutive publications in the city official newspaper, and that the City Engineer be, and he is hereby directed to cause to be conspicuously posted at each end of the line of the contemplated improvements a copy of this Resolution and Notice, within three days from the date from the first publication of such notice. The said published Resolution and Notice, to also contain all of the matters with reference to said proposed improvements that are required by the charter and ordinances, and resolutions of Tillamook City, Oregon, and all persons concerned are notified to govern themselves accordingly.

All persons concerned are hereby further notified that the first publication of this notice is made on the 2nd day of May, 1916, and that objections and remonstrances to the proposed improvements may be filed with the undersigned, City Recorder, within 20 days of said date.

Done by order of the Common Council of Tillamook City as set forth in said resolution and notice. Dated this May 2nd, 1916.

Ira C. Smith,

City Recorder of Tillamook City, Oregon.

proposed improvements may be filed with the undersigned, City Recorder, within 20 days from said date.

Done by order of the Common Council of Tillamook City as set forth in said resolution and notice. Dated this May 2nd, 1916.

Ira C. Smith,

City Recorder of Tillamook City, Oregon.

Notice of Intention to Improve Streets in Tillamook City, Oregon.

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Resolution and Notice of Intention to Improve Certain streets in Tillamook City, Oregon.

Be it Resolved, That the Common Council of Tillamook City, Oregon, deem it expedient, and hereby declares its intention to improve the following streets in said city, to-wit:

Fifth Avenue