BARTRAM STUDIES FLAX CONDITIONS

Plan for Development of Industry Outlined for Growers at Rickreall

(Following is the address in full of Col. W. B. Bartram at Rickreall grove before those who attended the big flax tour of inspection in Polk county, on Wednesday:)

"It was a very pleasing occasion for me when I received your Secretary's invitation to join with you on this tour, first because of the progressive policy laid down by your Commercial club and, second, because of the opportunity to meet you under such pleasant circumstances.

"You have been growing fibre flax in a very limited way in this state for years, but as far as I have been able to find out the culture and manufacture of flax has never received the support that it is getting today from the biggest commercial and banking interests of the state. The Commercial club of Dallas is to be congratulated in initiating so safe and progressive a policy, as this, which if followed up carefully and aggressively will be far reaching in its effect for good. You are also to be congratulated in having the support of the Oregon Agricultural college in your plans under the able leadership of Mr. Teusch, also the support of the Portland Chamber of Commerce. The Portland Chamber of Commerce have played a very important part in this development. The continuance of their support will go a long way toward assuring its success in western Oregon. The greatest single factor that has brought this industry into its present position has been the fearless policy adopted and put into action by Governor Pierce in developing in a commercial way the state flax industry. It is fitting and proper that the state continue to lead in this matter under the most advanced proven conditions.

The Harvesting Problem

I have studied your flax problems up to this time through three consecutive harvests. The knowledge gained during this time enables me to offer a few suggestions that may be helpful in solving some of your problems. Perhaps I can best sum up my observations by telling you about the plan I propose to recommend to the directors of the Oregon Linen Mills, Inc. For many months I have been endeavoring to find a solution of pulling flax by machine so as to serve all growers and to insure the flax being pulled when the fibre content is at its best; also to insure against the industry getting a serious set-back by finding sveeral hundred small growers unable to get their flax pulled. This situation, in part, is facing a large number of flax growers here in the State of Oregon today. The future of this industry and any expansion in acreage is largely dependent upon this problem being satisfactorily solved. For some years I have made a close study of this matter, working in the harvest fields of Ontario and Oregon and have come to two conclusions: First, that the linen industry could never hope to develop in a big way on this continent until the flax pulling machines are available. Second, that this flax pulling machine which is now available could not be generally marketed to individual farmers, and that buying in groups would likely never be satisfactory, for obvious reasons. In my development work here I think I have discovered what will be the solution of this difficult problem.

"At the present time in the Willamette Valley there are, approximately 4,000 acres of flax planted by about 300 different growers. Not five per cent of these growers are willing to purchase flax pulling machines. None of the smaller growers will consider purchasing a flax pulling machine under any circumstances. In this situation I see serious trouble ahead for the future that, if not remedied, will likely wreck your plan in the development you are now working on.

Numerous Scutching Mills

"To guard your interests, and to further the interests of this state, the farmers and the future of the linen industry, the time is opportune to initiate a policy here that will satisfactorily and permanently solve the problem of harvesting the flax and in doing so perhaps place the industry agriculturally in the front ranks of the world.

"To start with, my plan is to establish a number of scutching plants in say: Dallas, Independence, Monmouth, Rickreall, Albany, Stayton and Silverton. Each of these plants will be separate and independent companies who the first year will contract with the farmers in their immediate district for about 500 acres of flax. The Oregon Linen Mills, Inc., will control each one of these plants.

"To handle about 500 acres of flax requires four or five pulling machines. The scutching mills will purchase and own the flax pulling machines. In their contract with the flax growers the scutching mills will agree to pull the flax, subject to reasonable conditions and terms that will be set out in the contract. The advantages of this plan are too numerous to go into detail, except to cite a few of them:

"1. It assures the raw product for the spinning mills now under consideration.

"2 It will eliminate the hazard, as far as possible, of the flax grower falling down in harvesting his flax and allow the flax to be harvested when the fibre content is at its best.

"3. It will control the acreage of flax planted, thereby eliminating dissatisfaction among growers against over production being indulged in.

"4. The growers' costs will be very much reduced and a heavy expense in machinery saved the individual farmer.

"5. It provides for the flax pulling machines to be serviced and reconditioned at a low cost. It will bring the whole problem of flax culture and harvesting under competent and experienced management which will standardize operations and production.

Growing the Crop

"Regarding flax culture, it seems to me that your contracts should all be considered and let in the fall so that ample time will be given in the selection of the land., etc. Too much care cannot be exercised in seeing that clean land is selected for this crop, and in many districts fall plowing is an advantage. The question os seed needs the most careful attention. A farmer should know whether his seed will germinate 85 per cent or 95 per cent so that he may be guided accordingly. He should also know positively if the seed is free of impurities so that his land will not become fouled with dirty seed. All of these matters are quite simple to insure against, but they will take time. The best seed procurable should be issued out to the growers for the growing of fibre flax.

"Marked strides have been made in the last few years in developing improved strains of seed in connection with the growing of fibre flax that have raised the production of fibre from about 400 pounds to the acre up to 720 pounds. The chief object of growing fibre flax is to produce line fibre of a high quality, and the value of any growers' straw is determined by the quantity of this high quality fibre it will produce. Dr. Eyre, one of the greatest authorities in the world on flax fibre seed, has been carrying on experiments for some years in Lambeg, Ireland, and has made astonishing progress results in developing some new strains of seed. Some very satisfactory has also been made in Washington. Steps ought to be taken to develop some of these strains, here in Oregon, so that this industry may get away to a proper start, having regard for the program you now have in mind.

Salem's Second Linen Mill

"The spinning and weaving mill now under consideration to be built at Salem will have, approximately, 4,480 spindles and 200 looms. It will take annually 8,000 acres of flax to furnish sufficient fibre and tow to keep this mill running. We anticipate it will produce 20,000 yards of linen each week, with a surplus of flax yarns on one eight hour shift. You can form some idea of the opportunity this industry offers when I tell you that for the first five months of this year the total exports of linen goods from the United Kingdom to all countries of the world reached 43,617,500 yards. Of this amount the United States of America imported 24,653,800 yards. It would take over 60 mills of the capacity we are going to build at Salem to take care of these imports. Henry Ford has just finished building his first small spinning and weaving plant at Detroit. He proposes to manufacture the covering of his automobiles of linen instead of cotton. Some of our people have been in touch with him in connection with his problems, of which he has many. His program will ultimately require fibre and tow from 200 acres of flax each day or 60,000 acres each year. When you realize that only 6,000 acres of fibre flax is grown throughout the whole of the United States today, it does not take much vision or imagination to see where this proposition is heading for.

"Due to several reasons, but particularly due to tariff and your established market, plans are now being laid in the United States to develop this industry in a large way. You have several natural and potential advantages over most other states that if taken advantage of now will enable you to take the lead and hold it to the advantage of this state."

Cartoonist's Impressiosns of Evolution Trial

SCIENCE WITNESSES STILL UNDER FIRE

(Continued from page 1.)

ternoon with the jury absent from the court room. Dr. Metcalf was presented as a "test witness" to show the line of testimony the defense sought to introduce. The scientist was not permitted to answer the one question asked by Clarence Darrow, defense counsel, if the witness could give any other evidences of evolution of man.

Mr. Darrow announced that the defense expected to show by men of science and learning, both scientists and real scholars of the Bible, what evolution is, and that any interpretation of the Bible that an intelligent man could possibly make is not in conflict with any story of creation, while the Bible, in many ways is in conflict with every known science. He added that the witness to whose testimony made, knew his subject and was competent to speak.

Attorney General A. T. Stewart for the state moved to exclude the testimony of scientists by which counsel for the defense contended they would show there was no conflict between science and religion, or between the theory of evolution in question and the story of the Divine Creator of man.

Mr. Stewart's motion was based on the ground that under the wording of the act, and interpretation of the act, the evidence would be incompetent.

The jury, a part of the case that has had little active participation in it, was subject to call, members of which were not being permitted in the court room during the day.

William Jennings Bryan, Jr., opened for the state, making the first argument on the law involved. He was followed by Arthur G. Hayes for the defense, this argument also dealing with the law in the case.

Mr. Bryan called the discussion of expert testimony, the heart of the case, and declared that the courts have unfavorably regarded such evidence, received it with extreme caution, and investigated it with every care.

Arthur G. Hayes declared that he believed all the expert witnesses on the question at point, the scientists, were on one side of the case, and not here to give opinions but to state facts.

Herbert E. Hicks for the prosecution, protested against the injection of theologians or scientists in the case.

Ben T. McKenzie in his argument denied at the outset a charge he declared was being made that "McKenzie was waving the bloody shirt."

In a plea which began in a legal argument and ended in an impassioned appeal to bar expert testimony from the evidence, Attorney General Stewart made the concluding speech of the afternoon.

The attorney general deplored the alignment of Darow with "that force which strikes its poisoned fangs at every bosom of Christianity."

"They say this is a battle between science and religion," he declared. "If that is so I wish to say in the name of God that I am on the side of religion.

"I say bar the door to a science that would deprive us of all hope of the future to come."

The attorney general began his remarks with the declaration that he was not an evolutionist.

Liquor Bail Forfeited—

O. W. Wallace forfeited $250 in police court yesterday for failure to appear as cited to answer to a charge of possession and transportation of intoxicating liquor and driving a car while intoxicated.

MAUPIN SINGING BAND CHAUTAUQUA CLOSING

(Continued from page 1.)

appearing on the afternoon program, was so popular that its repetition was called for for the evening. Embodying the spirit of this street spectacle in music, the opening number was easily identified as the famous Bill-Board march, followed by the colored hand playing a jazz tune, the Jubilee singers, an instrumentation on the clarionet of the words of "Mary Had a Little Lamb," the clambering elephants, then the clown band, and finally the yodeling of the steam calliope.

During the intermission last night a full report was given of the season's Chautauqua committee. R. A. Harris spoke individually of those who made record sales in the interest of Chautauqua.

An entirely new plan, which will provide against loss on the part of a limited number of guarantors, was introduced last night whereby Chautauqua in Salem will be made a permanent institution. Instead of demanding a few to carry an over-size burden, it is the plan to make up a committee of 100 members, each member of which will agre to sell $20 worth of tickets. The committee will remain virtually unchanged in personnel season after season, if the plan that is being promoted is perfected.

20,000 ELKS TAKE PART IN VARI-COLORED PARADE

(Continued from page 1.)

hats of the "stove-pipe" variety marked the Ballard, Wash., representation.

Ashland, Or., portrayed the gateway to Oregon. A huge float on which a gate was mounted served to entice the visitor while several comely Ashland women bade further welcome.

More than 400 marchers were in the Salem delegation, not including a 40-piece band. The band and the drum corps members were attired in purple and gold uniforms and the marching delegation in white shirts and purple trousers. Baker lodge was represented by a band.

Much comment was aroused by the Eugene group. Its band was one of the most active in the parade. The members were dressed in black coats and red trousers. Heppner, with a harvesting outfit boasted that it was the smallest Elks' town in the state. Albany was represented by a band and drill team, as was Billings, Mont.

Myrtle Creek—Broccoli planting here aggregate 700 acres.

CAMP GROUNDS ARE SAFE

FEW DEPREDATIONS ARE COMMITTED BY TOURISTS

The Salem auto camp grounds is making a unique record for itself this year. In previous years there has been considerable complaint of depredations committed, both within the camp and in the city by some of the more unworthy tourists that occasionally slip in. So far this year there has not been a report of this kind made.

Mr. Poisell and Mr. Purvine state that on Sunday night last every camper left the grounds and went to the fire, and yet not a report of any kind of thievery was received by them. Mr. Poisell suggests as a probable cause for this is the fact that the raise to 50 cents a night straight has kept many undesirable tramp tourists from stopping at the camp. Last year the rate charged was 50 cents for the first night and 25 cents each night thereafter per car.

A new victrola recently placed in the community hall at the auto camp is proving very popular with patrons of the camp. In the evening groups gather about the front as well as within the hall, to enjoy the music thus afforded and incidentally to visit with fellow tourists. Daily newspapers and periodicals are kept at the community hall at all times for the convenience of guests of the camp.

TRUCK LINE LICENSED

OLYMPIA, July 16.—(By Associated Press.)—Certificate authorizing the Ocean Beach Transportation company to operate freight motor truck service between South Bend, Wash., and Astoria, Ore., has been issued by the department of public works. Business is to be limited to interstate freight movements only.

CHILDREN CRY FOR

Fletcher's CASTORIA

MOTHER:– Fletcher's Castoria is especially prepared to relieve Infants in arms and Children all ages of Constipation, Flatulency, Wind Colic and Diarrhea; allaying Feverishness arising therefrom, and, by regulating the Stomach and Bowels, aids the assimilation of Food; giving healthy and natural sleep.

To avoid imitations, always look for the signature of Chas. H. Fletcher. Absolutely Harmless – No Opiates. Physicians everywhere recommend it.

Read Every Word of This Remarkable Offer

Today and Saturday

We are offering Basement merchandise at remarkable reductions

People who trade with us know what this means and others will be esaily convinced of the bargains if they come to our store today.

"Better Merchandise for Less at Directors"

Hop Pickers, Campers, Take Notice!

Economy Basement Bargains

Deep pie pans 5c
Tin pot covers 5c
Point tin cups 5c
Deep jelly cake pans 5c
Large rinsing dish pans 19c
Acme sifters 19c
Heavy galvanized water pails, 10 quart size 25c
Women's coveralls 98c
Boys' 220 blue demin heavy overalls 89c
Men's cotton socks 10c
Engineers' and firemen's heavy socks, brown or black 15c

50 feet rubber hose, U. S. guarantee for $4.49

Men's Department

Straw dress hats any one in the house–Panama or imitations –we are closing out all of them at 98c
Men's 220 blue demin heavy overalls–look at our window $1.19
Men's work shirts–look at our windows 69c
Men's suspenders 39c
Men's athletic union suits 69c
Kokie screen hats 49c
Ready to wear–all silk dresses One-Third Off

Phone 1333

GROCERIES

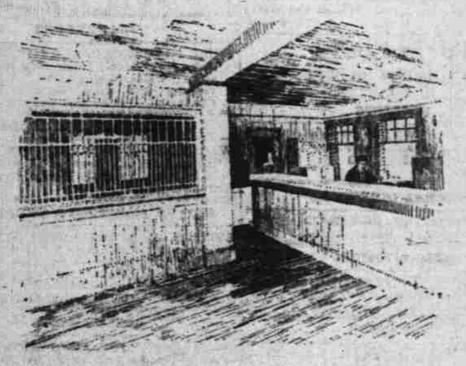
C. O. D. Orders Filled

Margarine — Buy the Best NUTOLA — 3 lbs. 69c
Cheese — Full Cream — Per lb. 25c
Washing Powder — CITRUS — 2 packages 45c
Compound — ARMOUR'S BEST — 4 lb. pail 89c — No. 10 pail $1.25
CAMPBELL'S Pork and Beans — 5 cans 49c
Coffee — PEABERRY BLEND — Per lb. 35c–3 lbs. $1

Sugar — C. & H. — 100 lb. sack $6.28 — 10 lb sack 62c
Raisins — THOMPSON SEEDLESS — 4 lb. bag 39c
Flour — BLUE RIBBON — 49 lb. sack $1.95 — DEL MONTE — 49 lb. sack $2.59 — FISHER'S BLEND — 49 lb. sack $2.53

Pancake Flour — FISHER'S BLEND — 10 lb. sack 69c
Rolled Oats — SPERRY'S — 10 lb. sack 52c — SPERRY'S MINT — 10 lb. sack 59c
Sweet Pickles — SLICED — 20c pint
Pineapple — A. & L. SLICED No. 2 — 4 cans 98c

Director's DEPARTMENT STORE



A Mark of Good Business

Practically all business in the country is run on credit. It is a mark of good business to borrow when by so doing you can place yourself in a better position to increase the scope of your activities and add to your income.

Fulfilling the needs of those who require money for such purposes, Hawkins & Roberts have long assisted in the financial growth of individuals, local business concerns and Willamette Valley farms.

We are able to make any size loan and at an extremely low Interest cost

MORTGAGE LOANS BONDS AND INVESTMENTS

2nd Floor. OREGON BLDG SALEM. OREGON

HAWKINS & ROBERTS INC.