

ROZIER HYDRO-ELECTRIC PLANS

COMPLETE DEVELOPMENT SCHEME FOR COWLITZ IS FILED.

FINANCIAL BACKING IS ASSURED

Principal Units, Mayfield, Mossyrock and Big Bend—Mayfield Would Become Center of Great Industries.

Details of the plans of the Federal Light & Traction Company of New York, which is backed by the Sander & Porter interests, for immediate development of the hydro-electric power of the Cowlitz river in the Mayfield-Mossyrock district southeast of Chehalis, have been filed with R. Tiffany, state director of hydroelectricity at Olympia by H. W. Crozier, chief engineer. Mr. Crozier in August made application for water rights in the district named and the directors of the Federal Light & Traction Company have set aside \$2,500,000 for immediate development work.

ultimate estimated cost of which is placed at around \$10,000,000. There are five elements to the project, which include the extension of the Cowlitz, Chehalis & Cascade Railway's line to the Cowlitz river near Mayfield, which work is now being rushed to completion under contracts that have already been let; transportation facilities on the Cowlitz river and lakes provided by the Cowlitz Boom & Logging Company, equivalent to the construction of 60 or more miles of railroad; immense log storage capacity in protected booms within the great lakes project, made possible by the dams to be constructed for power purposes, making a great log market at Mayfield; an industrial community around Mayfield now planned and surrounding the four sawmills, a cedar mill and other wood products plants under consideration, made possible by the great supplies of raw materials, railroad transportation connecting at Chehalis with the four transcontinental lines and ample supplies of cheap power; hydro-electric development in a 36-mile stretch on the Cowlitz river at the following points: Mayfield Unit No. 1—Consists of a dam in Mayfield canyon, tunnel, pipe line and power house utilizing 126 feet head, ultimate capacity of 38,000 k. w. Mossyrock Unit No. 2—Consists of a dam to ultimate height of 300 feet in Young's canyon, tunnel, pipe line and power house just below and a lake 15 miles long, ultimate head 310 feet, ultimate capacity 84,000 k. w. Big Bend Unit No. 3—Consists of a dam below confluence of Cispus and Cowlitz rivers, with reservoir lake four miles long, canal, pipe line and power house, located at Big Bend, Cowlitz river, ultimate head 190 feet.

and ultimate capacity 30,000 k. w. Details are given of the step by step process under which it is planned to develop the various units to their ultimate full capacity, together with a summary of the manner in which extensive logging and lumbering operations may be carried out, provided with cheap power for all kinds of manufacturing. Assurance is given that the project will be prosecuted with diligence, taking into consideration the cost and magnitude of the several elements thereof, and will be based on the generation and delivery at an early date of electric energy. Timber Resources Available. Estimated stumpage of the timber resources tributary to the Crozier project is placed at the huge total of seven billions, eighty-eight million feet, all of which may be economically moved toward Mayfield. This does not take into account timber that will be more easily available for outlet via the Morton branch of the Tacoma & Eastern line. Timber is principally Douglas fir and cedar. Rail Transportation Available. Stress is laid on the fact that rail transportation by way of the Cowlitz, Chehalis & Cascade Railway, connecting at Chehalis with the four transcontinental lines, the Northern Pacific, Milwaukee, Great Northern and O.-W. R. & N., with which there are joint eastern rates. Log Driving Facilities. Attention is called to the plans for developing an extensive business in driving and booming logs through the facilities that will be developed by the Cowlitz Boom & Logging Company. Due to the great lakes which will be made possible by the immense dams to be built there will be vast spaces for storing logs and timber owners tributary to the Cowlitz who heretofore have been unable to market their logs due to inaccessibility will be enabled to do so under the development of the Crozier plans. Engineering Features Covered. Mr. Crozier's report covers the engineering work that will be involved in working out the plans, going into extensive details as to the technical features. Geological and other data has been secured and much preliminary work has been done by Engineer Alexander and Dr. Landes, geologist. Water Supply Is Ample. Special attention has been paid to securing reliable information as to the volume of water carried by the Cowlitz and its various tributaries, which are very ample to supply all the water necessary for carrying out entire the plans that have been made. The grand total represents 779,000 acre feet. Would Develop 186,300 Horsepower. A total of 186,300 horsepower is the estimate made by Mr. Crozier. Of this 47,000 is available at Mayfield site, 115,000 at Mossyrock site and 23,600 at Big Bend site. This is based on the full project with dams to ultimate height during low water period. At 77 percent efficiency this would become 142,500 electrical horsepower or 105,000 k. w. delivered at the generator switchboard. Ability to Finance. The development to be undertaken has the financial backing of the following interests: Milwaukee Land Company, which owns extensive timber holdings in the territory affected; the Cowlitz, Chehalis & Cascade Railway, with its present complete operation and new extensions that are now building; the Federal Light & Traction Company, which owns and operates public utilities in many western states; and the Sander & Porter interests in New York City.

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established in your vicinity, it is very important and necessary that you take full advantage of your opportunity. The so-called boot that has been so generally used in making repairs has done more harm and ruined more perfectly good tires than any other one thing. Boots do nothing more than cover up an injury—they don't repair it.

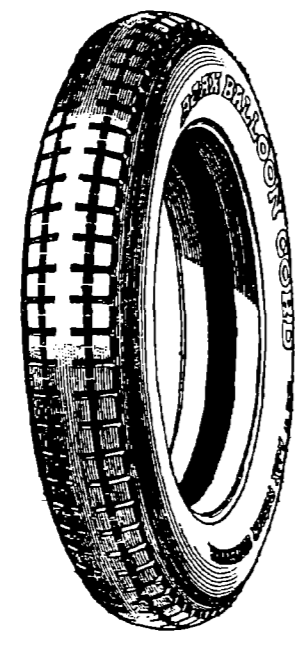
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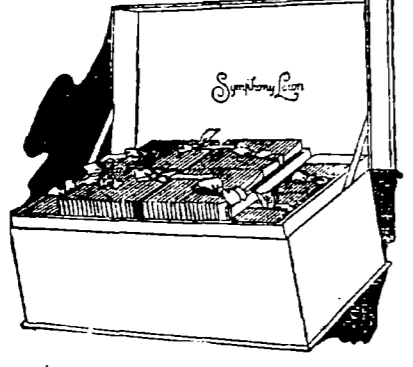
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TOLEDO WINS CHAMPIONSHIP.

Toledo high school's football team won the Lewis county league championship, having defeated all comers in the season just closed. The county league is composed of Winlock, Napavine, Onalaska and the second teams of Chehalis and Centralia high schools, together with Toledo. The last victory won was over Onalaska, 6 to 0. Despite the fact that Coach Fisk's team was outweighed in nearly every contest.

CHEVROLET SALE HEAVY.

Oakland, Nov. 30.—That the robust condition of Chevrolet sales throughout the Pacific Coast and the west in general, obtains all over the country is reflected in manufacturing figures just received from Detroit.

The Chevrolet Motor Company in Detroit exceeded its production schedule more than 1000 during October. A total of 55,501 motor cars and trucks were produced, making the month just past third highest in production in the history of the company.

A year-end selling boom may spur the Chevrolet plant here to even greater production for November.

ETHEL NEWS.

Ethel, Dec. 2.—Mr. and Mrs. J. Salzer and sons of Oregon were visiting here a few days with Mrs. Salzer's sisters, Mrs. J. B. Literal and Mrs. G. W. Literal.

Arch Shludberg and George Literal made a business trip to Vancouver last week.

Miss Anna Rosander, who is teaching at Eatonville, spent Thanksgiving at home.

Miss Esther Peterson of Seattle visited with friends here last week.

Mrs. Norman Rockwood arrived Tuesday from Lakeside.

B. F. O. EAGLES INITIATE SEVEN.

Chehalis Nest No. 13, B. F. O. E., held an interesting meeting Wednesday evening of last week. Seven candidates were initiated, making a total of eleven new members during November.

A large number were present at the initiation, and refreshments were served after the business session. Plans were completed for the box social to be given Wednesday, December 9. The public is cordially invited to attend the social. Ladies bring baskets to be sold at auction.

PRINCIPLES OF F. O. E.

In the lecture delivered by Robert A. Sickles at Onalaska this week, on the Fraternal Order of Eagles, he said in part: "The Fraternal Order of Eagles is not a charitable institution. It is a great body of men banded together to further the principles of liberty, truth, justice and equality. These," he said, "are the foundation stones of the nation and it practiced by all, in all, and

through all, we have no call for charity." "As the eagle is the emblem of American liberty, so this illustrious order stands for everything that develops or promises good Americans. Its active principles are liberty, truth, justice and equality. What higher principles than these can be expected of any body of citizens in a democracy? While every locality in the United States of any pretensions has its lodges, the Eagles is primarily a Washington institution, having its birth in Seattle, in 1898. Its growth has been phenomenal, for its membership now approximates a half-million, with 2000 aeries.

"Like nearly all the fraternal societies, the Eagles maintain a high order of insurance, both life and accident, with sick benefits. They believe in helping their members in a practical way, by the most sincere kind of fellowship when well and healthy and material assistance when sick and disabled. The widows and the orphans of the Eagles are most carefully looked after when the husband and father is taken by death. As I have herein said, we stand for liberty. We distinguish, however, between liberty and license, freedom and anarchy. We frown upon the revolutionary methods that seek to substitute violence for the ballot, and hatred for reason.

"Eagles accept the definition that truth is conformative to fact. To them it also suggests fidelity, constancy, steadfastness, faithfulness and sincerity, fraternally the urgency of fidelity. To the interests of our fellow members their steadfastness and constancy in the support in that which we believe to be right. Equality means that one person or class shall not be exploited for the benefit of another individual or class, but they each shall have free opportunity to work out his own destiny in accordance with his ability or circumstances, unimpaird by any unjust interference from others. The Eagles' standard of conduct both within and without the membership is the Golden Rule enunciated by the Great Teacher of Nazareth: 'Whatsoever ye would that men should do unto you, do ye so unto them.' Thus it is this spirit that actuated the fraternity to go on record in the interest of the mother's pension bill.

"It was this spirit that caused us to go on record in sponsoring the laboring man's compensation act. It was this spirit that led us to the senate chambers of the various states with the old age pension bill. And it is this spirit that will cause us to remain knocking at the doors of the senates of this United States until this is made a law in the interest of the aged of this nation, the men who have given the best of their physical life to industry should not be driven over the hills to the poor house."

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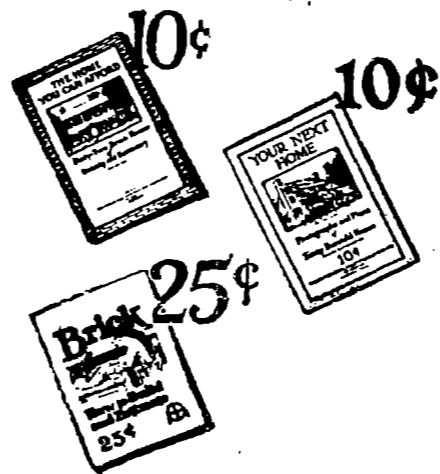
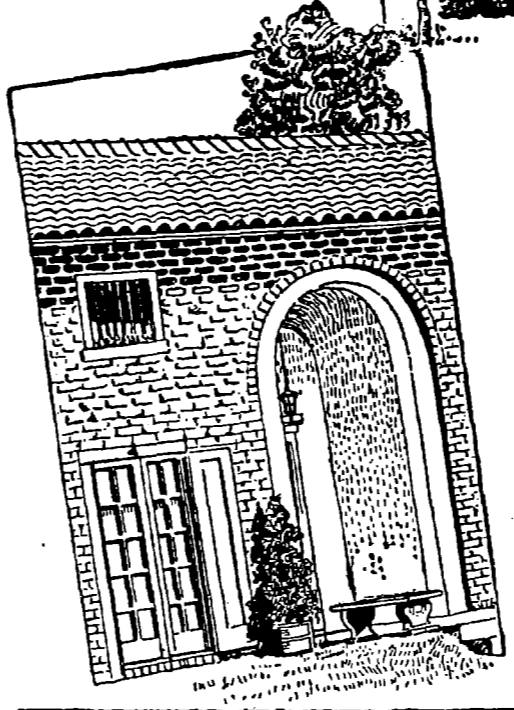
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