

MANCHURIAN RAILWAY SYSTEM HAS NOW BECOME ONE OF GREATEST IN WORLD

MANCHURIAN RAILROAD BIG DEVELOPMENT AID FOR JAPAN'S COLONY

Steamer Service With America Talked Of For Special Bean Oil Ships.

BUILDING ITS OWN TRAINS

Coal Mines Yielding Large Incomes; Model Cities Being Erected on Plans Set by Russians.

By a stroke of the pen on August 1, 1917, the South Manchurian railway more than doubled its operating mileage and became de jure what it had long been de facto, one of the great railway systems of the world, says A. W. Ferrin. On that day was signed the agreement that placed the 1009 miles of railways in Korea under the management of the South Manchurian, giving the latter a through line under its own management from Fusan, the Korean seaport nearest Japan, to Changchun (Kwanchenktze), Manchuria, where connection with the Russian railway system to Harbin and thence to Petrograd is effected. To those who are familiar with the geography of Korea and Manchuria the significance of this far eastern railway merger is obvious.

Under this plan, all the main points of which took effect August 1, the direction of the South Manchurian railway (including the Korean lines), the Japanese government in southern Manchuria and the Japanese consular service in that province are intrusted to the governor of the Japanese leased territory.

Factor in Development

The governor general commented on the drawing together of the government of Chosen (Korea) and that of the leased territory through the Chosen railway starting in the activities of the Oriental Colonization company and the Bank of Chosen in Manchuria "will also afford fresh opportunities to bring South Manchuria and Chosen to a better mutual understanding."

The Oriental Colonization company, which was organized for the development of Korea, has not yet done much in Manchuria, but the Bank of Chosen has already established 10 branches there and is empowered to issue circulating notes for Manchurian use. One might expect considerable traveling in southern Manchuria without discovering that there was any kind of money except Bank of Chosen notes, while a very important part of the discount business in cities along the railway line is done by the branches.

of this bank. The South Manchurian railway, however, is the most evident, and probably the most effective, factor in the Japanese economic development in Manchuria.

Government Guarantees Dividend

The South Manchurian railway was originally a part of the Chinese Eastern, built by Russia to connect the Trans-Siberian line with the mid temperature ports of Dalny (Dairen) and Port Arthur. By article 6 of the treaty of peace which concluded the Russo-Japanese war, the Russian main line from Changchun to Dalny, with all properties, including coal mines, formerly owned by Russia, passed into the hands of the Japanese government in September, 1905. Early in the following year the South Manchurian Railway company was organized with 200,000,000 yen (about \$100,000,000) divided into 1,000,000 shares.

The Japanese government turned over the railway to the company, which acquired railway property in Manchuria, at a valuation of 100,000,000 yen, for which it took 500,000 shares, or half the authorized capital of the South Manchurian railway in payment. The other 500,000 shares were allocated to the public, the Japanese government guaranteeing an annual dividend of 6 per cent, and first lease of public shares was limited to 100,000 and was oversubscribed 1966 times. Further issues were made from time to time as the company needed money for extension work and 330,000 shares are now in the hands of the public. The shareholders are receiving not only the guaranteed dividend of 6 per cent at the beginning of the year, but also a dividend of 2 per cent. Dividends to the government on its 500,000 shares are limited to 5 per cent per annum.

Additional Service by Steamers
In addition to the extension of its passenger service to Japan through Korea, the South Manchurian has also, by means of steamers owned or chartered, opened a twice-a-week service from Dairen to Shanghai, one of those ships now stopping each way at Tsingtau, the port in the Shantung peninsula that was captured from Germany at the beginning of the war. The company also runs boats to Chefoo and other ports on the Gulf of Pechili.

The largest element in the growing freight traffic of the South Manchurian is the soy bean, which is transported from northern Manchuria to Dairen, where 60 bean oil mills produce the oil, which is mainly exported to America and being used as fertilizer. Large harbor works which the Russians began have been about completed by the Japanese and Dairen is becoming a very important port. "Direct service with America is now being talked of, to be composed of special bean oil ships. From Manchuria to southern Manchuria and to the coast of the country traversed by this part of the railway bearing a very close resemblance to the corn growing states of America is, of course, rapidly increasing as Manchuria develops.

The South Manchurian mines its own coal, mainly in Fusan, which is 22 miles east of Mukden. The Fusan mines, which were taken from the Russians, are said to contain 800,000-

000 tons of very good coal which the South Manchurian not only uses itself but also exports from Port Arthur and sells locally to bean oil mills and other factories in Manchuria. It has, besides, mines at Yantai, 16 miles off the main line to the south.

Earnings Since War Began

The earnings of the South Manchurian railway, which have steadily grown since its organization, have been exceptionally large since the outbreak of the war, partly because of increased traffic with Russia and partly because of the lessened competition of the Chinese government line. Gross earnings for the year ended March 31, 1917, were 52,700,453 yen. After the payment of all expenses and of 5,862,954 yen interest on debentures and the writing off of the year's share of the discount on the debentures, 1,250,184 yen, the company had a balance of 10,157,507 yen, covering the dividend to the government at the rate of 5 per cent, and to other shareholders at the rate of 8 per cent, very handsomely, and enabling it to increase the special reserve to 15,900,000 yen. The reserve required by law is 2,272,332 yen.

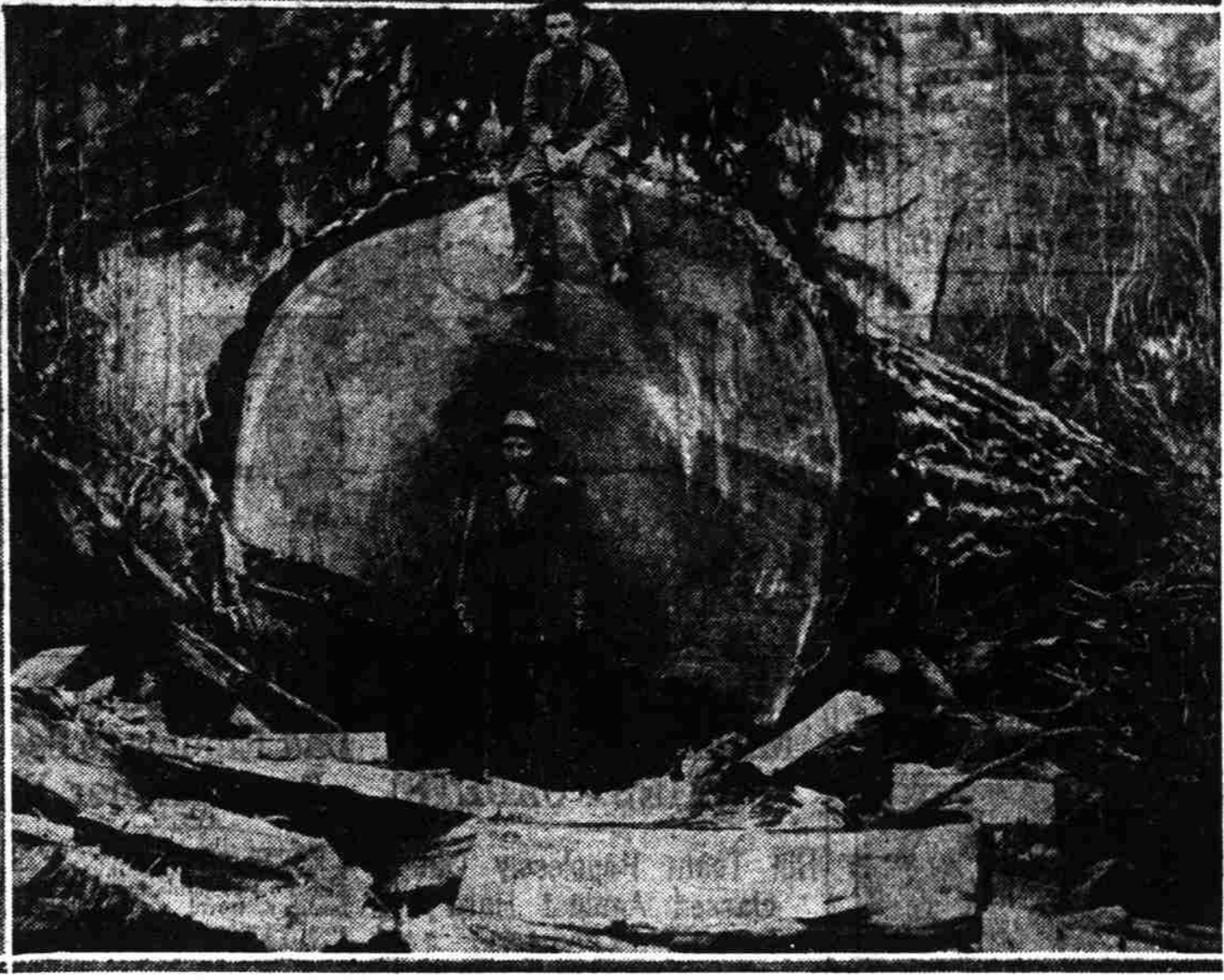
Fire Losses Show Increase in Year

Our fire losses show a sharp increase this year, the total for the first seven months of the year 1917 being nearly \$15,000,000 as against \$14,000,000 for the same period last year. Higher property values account for part of this loss, but there is an increase in actual casualties.

Crews of Axmen Go Out to Cut Spruce

At least five crews of axmen will be at work in the green timber of the Quinalai district soon cutting out rived spruce stock for use in the construction of airplanes. Several crews, each of five men, are at work now and others are to start. Each crew will average about 2000 feet of good spruce timber daily so that the total production of the crews will be around 10,000 feet.

SAWLOGS ARE OFTEN THICKER THAN HEIGHT OF MAN



Tree just felled which indicates better than in almost any other way great size of timbers logged in Pacific Northwest.

CHILDREN ENLISTED IN BIG CAMPAIGN FOR FOOD CONSERVATION

Half the Families of Nation Will Be Reached Through Public School Pupils.

The 23,000,000 school children of America are being enlisted for the week's campaign from October 21 to 28, during which it is planned to enroll 2,000,000 families for food conservation.

Food Dryer Made At Home Simple

A vegetable and food dryer of construction so simple that it can be made at home is described in a bulletin issued by the American Steam & Wire company, Chicago. It has a boxlike arrangement with window sash in the top, and in sunny weather can be set outdoors, when a temperature of 68 to 120 degrees can easily be maintained with sunlight only. For indoor drying two large oil lamps are used. It holds about one half bushel of fruit or vegetables, is clean and sanitary, and can be made with materials to be had at any lumberyard. The lumber dealers who sell the materials can show housewives how to construct the dryer.

Food Dryer Made At Home Simple

"How We Can Help America Win the War."

Saving of Food Is Real War Service

Food saving is a war service when it comes to feeding our troops and our allies. But food saving also has a practical business side. For if we wisely use this year's crop of foodstuffs in ways to make the supply go round among the hungry nations, and also keep ourselves well nourished at reasonable prices—and this is the whole purpose of the United States food administration in a nutshell—we will maintain our industrial stability.

The food situation in every nation today is loaded with dynamite. Russia's revolution, with its industrial dislocation, began with food difficulties. Germany's chief hope for defeating England was to produce a similar turnabout through disturbance of her food supply. The food situation in Germany itself is probably the most definite factor making for peace.

Lumber Production Shows an Increase

The weekly trade barometer of the West Coast Lumbermen's association states that 14 representative mills reported a total production of 66,077,745 feet, which was approximately 28 per cent of normal. This is the highest point in production attained by the industry since the mid-summer Fourth of July shutdown for repairs.

The average production per mill for the week was 453,000 feet. The average production per mill for the week was 406,000 feet. The average shipments per mill for the week was \$51,000 feet.

Hardwood Mill in Prospect
J. A. Pattison of the Pattison Lumber company of Portland is investigating the opportunities of establishing a hardwood sawmill at Harriburg, in addition to getting out hardwood, the proposed mill will saw balsam and white pine for the manufacture of boxes.

FRENCH PRODUCTION IS SAID TO PROTECT FRUIT FROM FROST

Agelarine Is Vegetable Derivative Containing No Acid, No Corrosive Substance.

One of the great needs of the fruit growers of the northwest is to have protection against the late spring frosts. Smudge pots have been used with some success, both at Hood River and in the Medford district. Further food supplies. The French consul at Bordeaux, France, sends a most interesting account of a recent invention, which has proved successful in France. He says: "With viticulture and horticulture undoubtedly the chief means of livelihood for the greater part of the population of southwestern France, the development and successful employment of a substance designed to prevent in a large degree the heavy losses occasioned annually by the late spring frosts in the vineyards and orchards of the region is of exceptional interest and value. French horticulturists and growers and wine producers, but also to American nurserymen and horticulturists.

The new means of protection or, more fully, known in France as agelarine (antifrost), according to the statement of the maker, is a vegetable derivative compounded from the juices of certain plants, and contains no acid or corrosive substance. It is of a fluid character, and may be handled in the ordinary hand-spray pump, although after it has been applied and is exposed to the air, it assumes a waxy consistency, and has the appearance of a sugared or resinous coating which, despite heavy rainfall, endures for two to five weeks. It is stated by persons who have employed this treatment that the bud is not weakened by the product. For use on fruit trees, such as peach, apricot, apple, cherry or almond, the application should be made before the period of blossoming; for walnut trees, before the appearance of any vegetation. Applications have been made a second time in one season, especially in cases of apple trees, and that without harm to the vegetation which rapidly develops after the buds once come out. In a single case this year, apple blossoming was retarded for six weeks. "Various persons and organizations have attested to the efficacy of this treatment in the few years since which it has been available for experiments. American fruit growers no doubt would find it at least worth while investigating."

PORTLAND EXHIBITORS WIN MANY BLUE RIBBONS AT THE OREGON STATE FAIR

MANUFACTURERS' DIRECTORY (Continued)

Portland Bolt & Mfg. Co., bolts, 200 1/2 St. Portland Rubber Mills, exhibiting in rubber boots, shoes, 305 1/2 Commercial, 24 and Taylor sts. Rodgers & Williams, retailing big shingles, 255 Hawthorne Ave. Shockey, C. & Son, Feb brand horse collars, 23 Union St. Sells Auto Works, 2d and Madison sts., auto bodies, truck bodies, 200 1/2 Commercial, 24 and Taylor sts. Taylor, Shaver & Co., auto truck, auto bodies, 183 East Water St. Universal Tire Filler Co., non-puncture auto tires, 441-443 Madison St. United Mattress & Pad Co., mattresses, removers, 427 Madison St. Western Tool & Die Works, tools, dies, machine work, 3d and Gilliam sts. Williams, auto repairing, garage, 301 E. Burnside. Zana Bros., Inc., broom makers, 60-62 Front.

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AWARDS BESTOWED SHOW SUPERIORITY OF PORTLAND GOODS

"Prohibition Boot" One of the Articles Which Captures First Prize at Exhibition.

Many of the coveted "blue ribbons" distributed for merit by the judges at the state fair in general merchandise at Portland exhibitors this season. In the manufacture division this was specially noticeable in the awarding of the "Prohibition Boot" to the Portland Rubber mills. The former was granted the first prize on its "Prohibition Boot" a creation of Francis J. Cavanaugh, part owner and superintendent of the factory. Mr. Cavanaugh, by the way, prior to coming to Portland, was connected with one of the big shoe factories of Boston, and was most thoroughly versed in all things appertaining to the shoe.

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fair. Over at the factory at East Ninth and Harrison there is evident satisfaction over the blue ribbons the company has won at its exhibit at Salem. Its display of manufactured rubber goods won the highest honors to be had and the highest prizes were awarded the company.

Government Fish Market Is Success

In view of the success of the municipal fish market here in Portland, it is interesting to know that the Canadian government has, on a larger scale, done the same thing. A recent official report states that the Canadian fish market, which is now being sold in public with fish at a reasonable price has proved a success. A refrigerator service from Nova Scotia to Ontario was provided, and the government's scheme was advertised. In one week there were three cars carrying approximately 60,000 pounds of fish, as against normal shipments of 5000 pounds. The varieties sold under the government plan, which provides that the buyer shall take the whole fish, are haddock and market cod. These were the only ones available in quantities to justify the experiment.

New Nose Piece Invented
A new nose piece, invented by Dr. D. W. Kolle, optician-optometrist, 704-710 Wilcox building, has attained so broad a renown that its sale is extended to all parts of the country and, as a matter of fact, there is not a large city in the United States in which it is not in demand. Dr. Kolle saw the necessity of some device which would prevent the screws from working loose and the glasses falling to pieces. He accordingly invented the "Perfect Strap," which is now being sold in almost every corner of North America.

General Manufacturing

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OXY-ACETYLENE WELDING—GEAR CUTTING

Coin Machine Manufacturing Company

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JOURNAL COMMENDED FOR STAND AGAINST OUTSIDE PATRONAGE

Thousands of Dollars Could Be Saved for Home Industries; Materials Better.

By H. S. Harcourt

If it were possible to convince the men and women of Portland of the value of the goods they produce upon themselves as well as their fellow citizens every time they place an order with migratory agents of distant countries, the result would be a saving of thousands of dollars and a gain of augmented prosperity to be shared in by all.

Creswell to Have Sawmill
Creswell is soon to have a new sawmill. Ground has been secured opposite the cannery where by deepening the slough a good mill pond can be secured. Logs will be brought to the mill by means of a tractor and trailers.

BROOMS!

Manufactured by

Zan Bros., Inc.

SUNSET BROOM WORKS

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manufactured here would be saved to our industries and added to the wealth of Oregon. And 20,000 names would be added to our payroll, and with the families of the workers, 50,000 to the city's population.

Club Tongue Wins
But the big tongue of the itinerant garment peddler often creates in dejection, pours into willing ears a glossy tale of superiority for the things produced by the foreign concern. Portland Easy Marks fairly begotten these blandishments and away goes their money to pay the salaries of tailors, tailoresses, cobblers or butcher workers, anywhere, any place, be it Punkin or Crayfish, so long as it is "somewhere else" and not Portland or Oregon.

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