

# Burns Co.

Limited

Operating

### Modern Cold Storage Plant and Abattoir

Manufacturers famous

## SHAMROCK

### Hams, Bacon Lard, Etc.

Retail Market - Third Ave.

## PHONE 566

### RUPERT MOTORS Garage & Service Station

DISTRIBUTORS

## Dodge

— and —

## Bantam Austin

Limited

Fenders and Body Work a Specialty  
Wrecking Car Service at Any Hour  
Batteries Charged in 12 Hours

## Detailed Description Of Falls River Plant Which Was Opened Yesterday

(Continued from page one)

dam is about 10,000 cubic yards. The gravel was taken from the bed of the river immediately in front of the dam by drag line scrapers of one cubic yard capacity and made approximately 20,000 trips. The aggregates were made up of crushed granite taken from the excavation for the dam.

The sluice gates are of standard design 20 feet by 20 feet and will discharge 14,600 C.F.S. at elevation 358, the total discharge capacity including spillway 23,300 C.F.S.

The intakes are four in number, having emergency gates of stop logs and racks 15 feet by 10 feet with velocity through the rack of two feet per second and controlled by Broome Gates built by Phillips and Davis. The gates weigh approximately six tons and due to the excellent design, form an absolute seal. The head gates openings are 10 feet by 7 1/2 feet.

The pipe line or penstock was manufactured and installed by Horton Steel Works, Bridgeburg, Ont. The particulars are as follows: Entrance, seven feet diameter reducing to six feet in front section, the thickness of the rivetted steel ranging from 7-16 to 10-16 at entrance with a total length of 768 feet, to scroll case with butterfly valves at power house.

The turbines were manufactured and installed by the Dominion Engineering Company and are of the Francis vertical shaft runner type supported on main guide bearing of composition rubber under full hydrostatic pressure. The turbine is controlled by the usual oil pressure type Woodward Governor with opposed motors having differential control for automatic synchronizing.

The generators rated at 6,000 K.V.A., 6000 volts, 450 r.m. and exciters were designed and manufactured by the English Electric Company, St. Catharines, Ont.

The five panel switchboard, manufactured and installed by the Canadian Westinghouse Co., is of the push button full automatic type having the usual protective relays with motor operated regulator and automatic synchronizing relays. Provision is made for rapid change from automatic to manual control.

#### Operate Automatically

Normally, the plant will operate full automatic with daily inspection, an alarm is sounded by Klaxon horn to draw the attention of the operators in the event of troubles originating in the power plant or transmission line. The D.C. requirements for relays, etc., are supplied by a motor generator set and battery. The circuit breakers

are of the non clad disconnect truck type having the usual enclosed bus structure filled with gum compound.

From the 6600 volt bus, the outer transformer structure is fed by cable, supplying 3-2900 active load transformer connected in star with centre point grounded. The transformer steps up the voltage to 66,000 for transmission to a substation located at First and Third Avenues, where it supplies an outdoor sub station stepping down from 66,000 volts to 13,000 and 4000-2300 for commercial and domestic distribution throughout the city.

The 13000 volt line parallels the water front and extends to Lake Shawatlans power plant of 1,000 K.V.A. capacity which will be used as an auxiliary standby and for emergency. This 13,000 volt line traps off to feed the Canadian Fish & Cold Storage having 10,000,000 pounds capacity, the Prince Rupert Dry Dock, having dry dock facilities of 20,000 tons and the Alberta Wheat Pool Elevator of 1,250,000 bushels capacity.

The city distribution is fed through a concrete substation, five circuits radiating throughout different sections of the city at 4000-2300 volts, stepping down through the various distribution transformers to 110-220 single and three phase for commercial and domestic requirements.

#### Skeena Crossing

The 66 K.V. transmission line of 42 1/2 miles is of wood pole construction throughout with the exception of the crossing of the Skeena River. This crossing is made at a point two miles above the mouth of the Estall on the Skeena River. The distance from the north to the south shore at this point is 7875 feet. The individual spans, 1825-1850-2100 and 2100 respectively are made up of 3-0 copper supported on steel towers having a total height of 196 feet. The towers are supported on concrete sills. The base of the towers are made up of piles driven to resistance surrounded by steel caissons capped and filled with concrete and protected by rip rap at the base.

The towers are designed for a loading of 1-2 inch radial thickness of ice and eight pounds per square foot on conductor plus ice on all the six power conductors and on two telephone conductors. The wind pressure acting on the towers shall be taken as 25 pounds per square foot acting on one and one-half times the exposed area of any face. Suspension towers are considered as taking the unbalanced pull of two broken power conductors and one telephone conductor.

## Natives of Northern B.C. Are a Distinct Asset to Industrial Life of Prince Rupert and District

There are in the neighborhood of Prince Rupert a great many native villages and the people are all large earners and good spenders and they buy a great deal in Prince Rupert.

A generation ago the Indians of Northern British Columbia were savages, fighting among themselves and having customs which were much opposed to those of modern civilization. Today, under the influence of Christian missionaries and in contact with the white people of the district they have developed to a point where all have abandoned their old habits and many have become splendid citizens. They are first class fishermen and during the summer months the families work in the canneries and all earn good money. At the close of the season they spend a great deal and the various merchants of the district sell to them. In this, natives are in sharp contrast to the Oriental employees in the fisheries, most of whom take their savings south with them. Because of this there is a strong opposition to Oriental labor in the district.

Industrially, then, the native is as good a man as a white man, better than many white men and within a few generations will probably have lost his identity and become absorbed in the population of the country. The number will not be sufficient to affect the parent stock. A large number of Indian women have married white men and even in some so-called pure native families there is evidence of a white strain. A good many Indians live in the city, engage in regular

employment and are in every respect excellent citizens.

As a people the Indians of this coast are religious and enjoy taking part in religious exercises. Their musical abilities are brought into play here for they sing and play musical instruments with much skill and splendid effect. Their rendition of the religious classics, particularly selections from the Messiah, puts to shame many white choirs and bands.

Every Easter the Anglican natives of the Naas River hold a religious festival as do also those of the interior, that are under Catholic influence. The United Church adherents are not backward in this regard but in a different way and the Salvation Army also has a strong appeal to the native religious taste. There is no native problem in Northern British Columbia but a steady development is going on. The people live in modern houses, well furnished, and dress in the latest styles. They are a distinct asset to the industrial life of the country.

## BUILDING ACTIVITY

Value This Year So Far \$142,594.50 As Against \$81,355 Last Year

Building permits in Prince Rupert so far this year represent a total value of \$142,594.50 as compared with \$81,355 in the first 10 months of 1929. Figures month by month for the years 1930 and 1929 to date are as follows:

	1930	1929
January	\$ 4,600.00	\$ 7,050.00
February	26,735.50	2,360.00
March	9,100.00	800.00
April	3,250.00	22,050.00
May	15,290.00	6,580.00
June	36,200.00	15,375.00
July	20,000.00	15,675.00
August	11,875.00	4,060.00
September	7,870.00	4,450.00
October	7,551.00	2,955.00

## System Seen In Naming of City Streets

Grouping Proves Interesting Especially to Those Familiar With People 20 Years Ago

Only a few of the old timers who were in Prince Rupert at the time of the sale of lots remember anything about the manner in which the streets are named.

With a few minor exceptions all roads running parallel with the waterfront are called avenues while those going in the opposite direction are streets. Borden Street seems to be one of the exceptions but it is not, for it curves around the farther side of Acropolis Hill and when it joins Omineca Avenue which some day will continue through to the far side of the cemetery, it is at right angles to the avenues.

The central group of streets is named after members of the provincial government of the day such as McBride, Bowser, Young, Cotton, Green, Eberts, Tatlow, Fulton and from lieutenant governors, Lotbiniere and Dunsmuir.

Avenues are named after districts such as Omineca, Comox, Kootenay, Cassiar, Atlin. Another group is named after prominent officials such as Chamberlain, Wainwright, Wilson.

Across the "Creek" streets are given men's names all running alphabetically, such as Alfred, Brown, Conrad, Donald, Eben, Frederick.

On Montreal Heights there is a group named after cities such as Ottawa, Victoria, Toronto, Calgary, Dundas. Then there are Egeria and Dartmouth, after ships that were on the coast at the time.

In several places are found names of surveyors such as Pillsbury or Ritchie. Countries are represented such as India, Canada, Egypt, Jamaica.

Turning off Eleventh Avenue on to the highway, autos first traverse a small portion of Frederick Street and then emerge on to Prince Rupert Boulevard, which again merges into Shawatlans Road near the city limits.

The map of Prince Rupert is somewhat of a puzzle to the stranger but it was laid out in such a manner as to conform as nearly as possible to the contour of the land.

## BUILDING INCREASE

Permits For This October \$7,554 As Against 2,955 in Same Month of Last Year

Building permits in Prince Rupert for the month of October this year totalled \$7,554 in value as against \$2,955 in the same month last year. The permits for October were as follows:

- Commodore Cafe, Third Ave., oil tank, \$900.
- Geo. Edgar, Eighth Ave., general repairs, \$100.
- G. P. Tinker, Third Ave., new roof, \$250.
- D. Archie, Taylor St., general repairs, \$800.
- W. Pawchuck, Ninth Ave., repair foundation, \$150.
- K. Slatta, Seventh Ave., addition to residence, \$500.
- Kong Sun Chug, Third Ave., erect garage, \$300.
- A. Thompson, Sixth Ave., repair foundation, \$300.
- B. Bendikson, Thompson St., addition to residence, \$150.
- N. Mussallem, Fifth Ave., repair foundation, \$500.
- J. T. Macey, Sixth St., Neon sign, \$300.
- Wm. Moxley, Eighth Ave. E., addition to residence, \$300.
- S. Bloom, Taylor St., erect garage, \$300.
- J. McCutcheon, Sixth St., Neon sign, \$380.
- Royal Hotel, Sixth St., Neon sign, \$297.
- "99" Taxi, Sixth St., Neon sign, \$247.
- D. Cavalier, Ninth Ave., repair roof, \$60.
- Nels Rokkjar, Fraser St., addition to residence, \$600.
- C. Johnson, Eighth Ave., repair foundation, \$1000.
- G. P. Tinker, Third Ave., repair foundation, \$100.

## What Is a Wife Entitled To?



To love, honor and cherish—that is the implied promise of every good wife—but not to take pleasure in the weekly chores that turn housework into drudgery. When you consider that the laundry can relieve your wife of one of the most irksome tasks, the weekly wash—can do it so much better and so inexpensively—surely it is the wise thing to use this labor-saving service—and insure an extra measure of domestic happiness. So if you want to please your wife, tell her to let the laundry do it—next time—and afterwards.

## CANADIAN STEAM LAUNDRY

515 Sixth Ave. W. Telephone 8

## You Can't Depend - - on the Weather

But, when we tell you we will deliver your coal at a certain time you may absolutely rely on that statement. This firm has become favorably known throughout the city, not only for providing top quality coal at all times, but through its unflinching dependability in delivery.

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The best Alberta coal on the market or

### Cassidy - Wellington

A very high grade B. C. coal

## PRINCE RUPERT FEED STORE

Office and Feed Store — 812 Second Avenue

Phones—58 and 558

Coal Bunkers & Feed Warehouse

Trotier's Dock P. O. Box 333

## HUNTING AND FISHING GOOD NEAR RUPERT

Prince Rupert is the centre of a great hunting and trout fishing district. Available within easy run from the city is some of the finest trout fishing in the world and the deer and bear hunting is excellent. Khtada Lake cannot be excelled for its trout fishing and there are plenty of other places where the trout take both fly and bait.