

THE ONLY COMMERCIAL NEWSPAPER IN BRITISH COLUMBIA

BRITISH COLUMBIA RECORD

A PUBLICATION DEVOTED TO GENERAL NEWS, BUILDING, CONTRACTING, ENGINEERING, PROVINCIAL, CITY AND HARBOR IMPROVEMENTS.

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VANCOUVER, B.C., WEDNESDAY, OCTOBER 22, 1919.

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Per Month - 1.00

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Prominent Vancouver Shop has used this High Speed Steel. Ask for their opinion.

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BUILDING PERMITS AMOUNTING TO \$500 OR OVER ISSUED AT THE VANCOUVER CITY HALL YESTERDAY

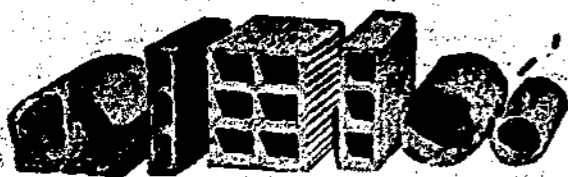
Number	Description	Cost	Street Address	Lot and Block	Subdivision	Architect	Contractor	Address	Owner	Address
10843	Gymnasium	\$22,000	220 Jackson Ave.	1, 2, 3, 4-53		H. S. Griffith	Robertson, Power & Devy, Yorkshire Bldg		Methodist Mission of Canada	
10844	Dwelling	\$2000	2960-2nd Ave. E.	18-58	31	Owner	Owner		Mr. R. Harris	
10847	Dwelling	\$3,000	1858 York St.	5-26	576	Building Dept.	Veteran Eng. & Cont. Co., Dom. Bldg.		City of Vancouver & W. J. Stowe	

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ELECTRICAL ENGINEERS
AND
CONTRACTORS
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Electrical Construction
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VANCOUVER - WINNIPEG



Roofing, Building
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Building Partition
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FT. OF COLUMBIA AV

Clayburn Firebrick, Special
Shaped Firebrick, Pressed
Brick, etc.
Vancouver Brand Cement, Reinforced
Steel, Hydrated
Lime, etc.

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Lumber Veneer Panels, Etc.

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and Birch Flooring.

J. FYFE SMITH CO. LIMITED

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Vancouver, B. C.

Richardson Electric Co.

ENGINEERS AND CONTRACTORS
INSTALLATIONS OF ALL KINDS

923 Georgia St. W.

Seymour 8696

include a steam heating system, hardwood floors, full concrete basement, etc.

BUILDING PERMITS
10840—T. Nesbet, addition, 703 Garden Dr., \$300.
10841—J. Signorelli, stable, 769 18th East, \$250.
10842—E. J. Labelle, garage, 540 Clinton St. N., \$150.
10845—R. Edmonds, alterations, 3230 Parker St., \$250.
10846—J. Pritchard, garage, 2833 Windsor St., \$200.

WORK COMMENCED
ON E. & N. RAILWAY
PORT ALBERNI—Preliminary work on the clearing of the right-of-way for the E. & N. railway branch line to Great Central Lake is progressing rapidly. A sub-contract for the first four miles has been let to M. B. Carlin, of Victoria.

TO MAKE ALTERATIONS TO VICTORIA FIRE HALLS
Tenders are being received by the city of Victoria for certain alterations to Fire Halls in that city.

MOVING SAW MILL.
CRESTON—The big saw mill at Creston has been purchased by a Nicola valley firm, who are dismantling the plant and moving it to Merritt. The plant has a cutting capacity of 150,000 feet every ten hours.

HIGH RENTAL RECORD OF WORLD IN NEW YORK
NEW YORK—The high water mark of residential rentals in the world will be attained in an apartment house now approaching completion at the northeast corner of Fifth Avenue and Seventy-second street. The building is twelve stories high and will contain seventeen apartments, ten simplex and seven duplex. According to the owners estimates, the gross annual rental for the seventeen families will be \$441,500. The rentals for the apartments will vary from \$18,000 to \$30,000 each, and in every case is payable monthly in advance.
S. W. Straus & Co. have underwritten a first mortgage 6 per cent, serial bond issue of \$2,000,000 on the property.

TENDERS WANTED FOR SUB-TRADES
E. Chrystal & Co., 108 Georgia St., East, are taking figures from the various sub-trades for plumbing, brick-work, plastering and painting. Plans may be seen at the office of the contractors.

INVITING TENDERS FOR CONSTRUCTION OF DITCHES
Tenders are being received by F. J. Whitaker, municipal engineer, South Vancouver, up to November 1st, for the construction of certain ditches within the municipality.
Information and particulars may be obtained at the engineer's office, municipal hall.

TO ASK TENDERS SOON FOR POINT GREY HOME
Architects Gardiner & Mercer, 827 Birks Building, are preparing plans for an 8-roomed home to be erected in Point Grey and will be ready for the acceptance of tenders at the end of this week.
The new home which is estimated to cost between \$7,500 and \$8,000, will be modern in every way and will include:

SITUATION WANTED
A Salesman desires to locate in Vancouver. Experienced and acquainted in the "Building Material" business. (Box 95, Record).

Seymour 4660
Reliable Electric Company
J. SMITH, Manager
152 Alexander St. Vancouver, B.C.
Twenty Years' Experience in all Branches of Electrical Work. Inspection—Expert Advice—Trouble Work—Installing—Re-winding—All Work Guaranteed.

FRANK DARLING & CO. PNEUMATIC TOOLS

"THOR"
Roller Bearing Drills—Close Quarter Piston Air Drills—Riveting Hammers
Chipping Hammers—Wood Borers—Turbine and Electric Drills
High Speed Steel—Drills—Reamers, Etc.
Complete Stock of Accessories
1144 HOMER ST. Phone Sey. 4100

Structural Steel For Every Purpose

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COMPLETELY EQUIPPED FABRICATING SHOPS
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Fairmont 2396 and 2397 VANCOUVER, B. C.

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Champion & White; Evans, Coleman & Evans, Ltd.; Ritchie Contracting & Supply Co. Ltd.
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GABRIOLA SHALE PRODUCTS LIMITED
Vancouver Office Phone Sey. 9167
412-3 Vancouver Block J. T. A. Ritchie, Rep'tive

Balfour, Guthrie & Co. BUILDING MATERIAL DEPARTMENT

REINFORCING STEEL—Largest stock of Mild Steel Bars in Western Canada. We cut to length. Cold Twist and Bend Bars.
BOLTS—Drift Bolts, Machine Bolts, Tie Bolts. We are prepared to furnish large orders of Special Bolts on short notice.
SPIKES—CAST IRON WASHERS, ETC.
MERCHANT IRON and STEEL BARS
PORTLAND CEMENT—LIME—HYDRATED LIME—FIRE CLAY
SCOTCH FIRE BRICK—BLACKSMITH COAL—COKE
SEA COAL—PIG IRON—MANILLA ROPE, ETC.
VANCOUVER WINCH BUILDING Private Ex. Sey. 9197
San Francisco, Los Angeles, Portland Seattle, Tacoma
VICTORIA BELMONT BUILDING Telephone 5037

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Just Received 100,000, and More Following
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Sand, Gravel, Cement, Fibre Plaster, Lime and Other Building Material
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Phone Seymour 9163 1561 Granville Street

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Westminster Iron Works
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New Westminster, B. C. Phone 53

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GENERAL RAILWAY & CONTRACTORS SUPPLIES
Sole Agents in Canada For
Chicago Pneumatic Tool Co.
Boyer Riveting & Chipping Hammers; Little Giant Drills; Duntley Electric Tools; Rock Drills; Air Compressors; Fuel Oil and Gas Engines.
Montreal, Toronto Winnipeg
51 Pender St. W., Vancouver B. C. Phone Sey. 1065

Robert W. Hunt & Co., Ltd.

INSPECTING and TESTING ENGINEERS
218 Standard Bank Bldg. Phone Seymour 2199
Resident Inspectors at all Large Manufacturing Centres.

Atlas Steel Products Ltd.

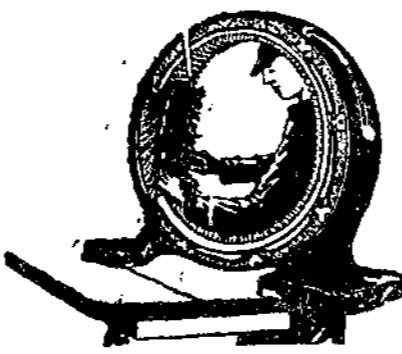
Manufacturers and Distributors of ...
Merchant Iron and Steel Bars Babbitt and Solder
Phone Sey. 3066 Granville Island

Vancouver Lumber Co., Limited

MANUFACTURERS OF
FIR, CEDAR and SPRUCE LUMBER
If You Want
THE BEST LUMBER and THE BEST SERVICE
AT
REASONABLE PRICES
Call and see us, or phone.
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Phone Fair. 918-919 Vancouver, B. C.

THE JAMES BROOKES WOODWORKING CO., LTD.

Millwork Contracts
Union Depot 1916
Can. Northern Bly. Depot 1917
Calgary Armory 1918
Eastland High School 1918
Tranquille Sanatorium 1918
Our steam heated plant enables us to manufacture Veneer. Work at any season of the year.
We are now manufacturing interior fittings for the new B. C. Telephone Building's head office in Quarter Cut Oak.



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A newspaper of general circulation, featuring Building, Engineering, Industrial, Shipbuilding, Mining, Automobile, Professional, City and Harbor Improvements. C. H. NELSON, MANAGING EDITOR

629 Pender St. W., Vancouver, B. C. PHONE SEYMOUR 7808

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OFFICIAL ORGAN. The British Columbia Record is the official organ of the Architectural Institute of British Columbia, federated with The Royal Architectural Institute of Canada, and The Engineering & Technical Institute of British Columbia...

NOW IT'S THE "RENT HOG."

Vancouver is not the only Canadian or American city that views the prospect of having soon to deal with that well-known specimen of profiteer who is lately coming into unusual prominence, the "rent hog."

An interesting sidelight on the situation in Cleveland is presented by the city rent agent of that city who says he believes "the unfair increases will be stopped within a year," but adds: "It is the opinion of the real estate board that the shortage of houses and apartment will increase this fall and winter, and the statement has also been made here that there is no relief in sight for three years."

The city councils and special grand juries of several eastern cities have decided to investigate the prices of lumber and other building materials, while in Cleveland a bill is being prepared now for presentation to the state legislature limiting the gross income from tenements to 15 per cent. and the net income to 12 per cent.

The real solution of the present high rent situation is touched by the statement of the Cleveland city rent agent, previously quoted. More houses and apartments, constructed as quickly as possible and irrespective of whatever disadvantages may apply, to the particular field, will check a possible building famine and put a damper on excessive rents.

MINING

C. J. Lincke, superintendent of the Tarheel Copper Co., Ltd., has imported a car load of horses for use in mine work in the Golden district.

The mines of British Columbia last year produced 41,772,916 pounds of zinc and the Sullivan mine at Kilm-

USE AYRES PAINTS advertisement

Robertson Power & Devey Engineers and Constructors advertisement

Plate, Sheet, Figured, Wired, Art, Prism, Colored, etc.

GLASS

Wholesale and Retail. W. HOLT 426-436 Dufferin St. Fairmont 1238

Bevelling and Silvering

berley produced more than half the output.

What is known as the British Columbia Iron Company, Limited, has been organized to develop forty iron claims situated about three miles west of Kitchener.

About 150 men are at work on the Canada Copper Corporation property near Princeton, building ore bins and getting the mine in shape for production as soon as the railroad is completed.

The McAllister mine on the north fork of Carpenter creek, has been reopened and the manager reports that a shoot of clear silver sulphide ore has been uncovered on the third level. It is over 12 inches wide at the floor and opens fan-wise as it rises.

Two machine drills and compressor plant are in operation at the Index mine on the south fork of Kaslo creek, as well as hand work. A long crosscut is being driven to No. 2 vein, while a drift is being made to intersect the crosscut.

The Taylor Engineering company is planning the erection of a 3,000-ton ore bunker at the wharf at Alice Arm to facilitate shipping. The railway is transporting 150 tons of ore daily from the Dolly Varden mines to tide water.

The Evening Star and Nugget mines located on Dayton creek seven miles from Slocan city, are being operated again. A shipment of ore made from the Evening Star two years ago ran 347 ounces of silver and \$23 in gold to the ton.

Litigation for the possession of the Bullion placer mining property at Barkerville, B. C., has been decided by the privy council in favor of Mr. Ward. The case has been in the courts for the last five years. This property is said to be the biggest placer proposition in the world.

FOR Busy Business Men GOOD EATS CAFE advertisement

NEW WORK - CONTRACTS LET

THE FOLLOWING TABLE SHOWS BUILDINGS COSTING \$5,000 OR OVER, ON WHICH CONSTRUCTION IS UNDER WAY, OR ON WHICH CONTRACTS HAVE BEEN LET BUT CONSTRUCTION NOT YET STARTED.

Table with columns: Character, Cost, Location, Owner, Archt., Contr. for VANCOUVER

NEW IDEA SHEET METAL WORKS advertisement

JOHN ARNOT & SONS advertisement

GRANDVIEW SHEET METAL WORKS, LIMITED advertisement

NEW WORK - CONTRACTS LET

Table with columns: Character, Cost, Location, Owner, Archt., Contr. for BRITISH COLUMBIA GENERAL

ARMSTRONG, MORRISON & CO., LIMITED Public Works Contractors advertisement

PITCHFORD-KADLEC ENGRAVING CO. advertisement

MORTGAGES advertisement

PEARSON WIRE & IRON WORKS advertisement

Frank Jordison Roofing Company advertisement

Professional Roofers advertisement

Mac DONALD & PARK advertisement

SHINGLERS KIRK BROS. advertisement

FLOOR LAYERS and Manufacturers advertisement

Vernon Construction Co. advertisement

B. C. Hardwood Floor Co. Limited advertisement

MAIN ELECTRIC advertisement

E. CHRYSTAL & COMPANY advertisement

ED. HUGGINS advertisement

PILING AND POLES advertisement

The Electric Shop advertisement

Murray Bros., Ltd. advertisement

E. J. Ryan Contracting Company, Ltd. advertisement

VETERANS ENGINEERING AND CONTRACTING CO. advertisement

MODERN ELECTRIC CONVENIENCES advertisement

J. Hanbury & Co. advertisement

B. C. Electric advertisement

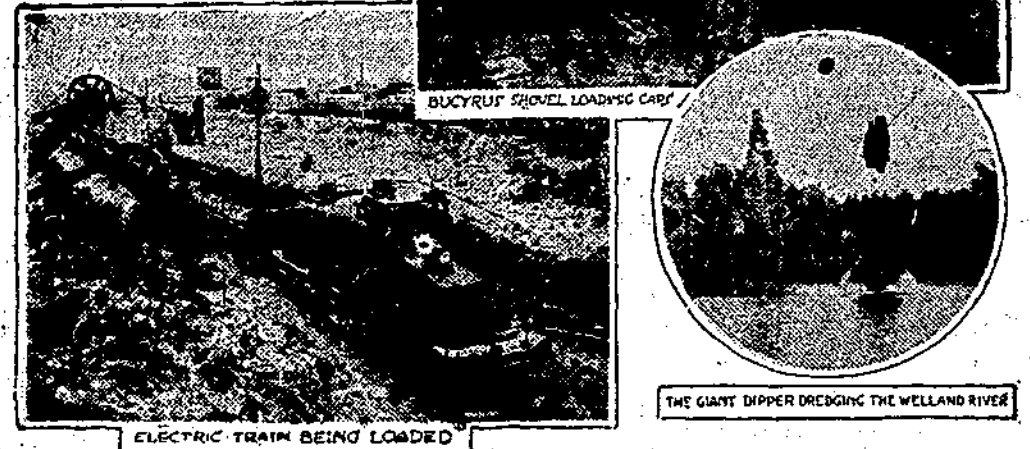
CANADA'S LARGEST ENGINEERING PROJECT

Hydro-Electric Power Commission Carrying on Wonderful Power Development Work at Niagara Falls—A Second Panama Canal

Operating the largest shovels in the world, and reversing the flow of a river, the Hydro Electric Power Commission of Ontario is carrying on an enormous engineering project at Niagara Falls, practically without the use of steam.

men present a striking picture. The weary householder painfully feeding the furnace, shovel by shovel, from the ton or two of coal, his winter's supply, will marvel at the enormity of the electric shovels which pick up from eight to ten tons of material, lift it 70 feet into the air and deposit it into waiting cars, all within the short space of 40 seconds.

HYDRO ELECTRIC DEVELOPMENT WORK AT NIAGARA



causing this sluggish stream to flow backward and to take water from the Niagara River instead of emptying into it above the Falls. Connecting with the Welland River is a power canal, stretching from Queenston and encircling the city of Niagara Falls, Ont., which will be eight and a quarter miles long when completed.

The stone crusher, which has a capacity of 4,000 cubic yards, is well worth a visit. The rocks from the excavations are cast into a trough opening into gigantic steel jaws which grind and munch, breaking the largest pieces into smaller bits that are carried away on a belt conveyor.

The original survey for the Niagara development was made in 1914, and the construction work began in May, 1917. The commission expects to have the new plant in working order in 1922. War conditions handicapped the engineers, but this year's operations were begun on a gigantic scale. A trip over the right of way will impress the observer with the vast scope of the undertaking which, in its completed state, will cost approximately \$27,000,000.

Fifty-five miles of railway, all electrified, and tapping five trunk lines, are required in the construction work on the development. On this railway the commission has in operation more electric locomotives than any railway system in Canada. At present 2,000 men are employed on the big job. These men are housed and fed by the commission. A surgeon, an ambulance and a hospital maintained by the commission are at the disposal of the employees in case of accident. The adoption of the newest safety devices has minimized the danger of accident on the development, and the commission has devoted a great deal of time to safety first propaganda in order to safeguard the men in its employ. About 2,500 acres, or 50 per cent. of the lands acquired by the commission for its right of way, have been converted into farms, and the produce from the farms is sold to the employees of the commission. The commission maintains its own telephone system on the development, and it has connections throughout the province. Garages, machine shops and office buildings line the right of way.

Two miles above the brink of Niagara Falls a steam dredge is gnawing away at the channel of the Welland River, removing in generous chunks the river bottom and a portion of Hog Island, which guards the entrance to this historic creek. The lone dredge and its attendant tugs are the only pieces of equipment engaged on the entire Niagara development which are not owned by the Hydro-Electric Power Commission. They, with six or seven switch engines, are the only apparatus in use on the development which require steam in their operation.

By establishing its power house at Queenston the Hydro-Electric Power Commission is enabled to take advantage of the full drop of both Niagara Falls and the Gorge, a total drop of 335 feet, affording 100 per cent. more electric power from the same amount of water. The largest electrical units in the world, 55,000 horsepower generators, will be installed in the power house, to produce electrical energy for distribution throughout the Province of Ontario. This great work is a striking example of the big vision and initiative of Sir Adam Beck, under whose direction the commission carries on its functions. This work is one which gives the people of Ontario just cause for pride in achievement.

Even the drills employed on the rock deposits of the canal right of way are operated by air, electrically compressed. A mile or two inland a huge clamshell swung from an aerial cableway, drops into the river and then emerges, bringing with it generous bites from the river bottom, which are deposited on the river bank at the foot of the tower from where the operator directs the activities of the clamshell. Deposits of earth and clay along the north bank of the river reveal the effectiveness of the clamshell in this particular portion of the development. A short ride from Niagara Falls over new roadways built by the commission from crushed limestone removed from its right of way, brings one to the canal proper, where the activities of huge electric shovels, electric trains and gangs of

Business Directory and Buyers' Guide

When Buying Building Material and Supplies Patronize Record Advertisers

Table listing various business categories such as ARCHITECTS SUPPLIES, METAL STAMPING, MILLWORK, MEMORANDUMS, etc., with corresponding company names and addresses.

BUSINESS MEN will find the Orpheum Cafe

An ideal meeting place for the Luncheon Hour. The Best of Everything. Prompt Service. Moderate Charges. Seating capacity 250.

HOW TO LOWER Delivery Costs

Advertisement for GATES tires, featuring an image of a tire and text: 'THEY COST ONLY 1/2 AS MUCH AS ORDINARY TIRES. GATES HALF-SOLE Tires. Authorized Service Station. Davie Vulcanizing Co.'

E. D. COOK & CO. GENERAL CONTRACTORS

Specialize in Reinforced Concrete Modern Apartments, Remodelling Buildings, Giving Increased Earning Powers

Seymour Tire & Rubber Company, Limited

Sole Dealers and Service Station for Goodyear S.V. Truck Tires

ARCHITECTS

Table listing architects in Vancouver and Victoria with their names and addresses.

Classified Advertising

Record Readers are, as a rule, business and professional men who have the money to buy something good if they desire it.

CONTRACTORS and BUILDERS

Factories, Houses and Garages Repaired. General Carpenter and Construction Work.

MACHINERY

Agents For Kylvite Grease and Perfection Oils. Skookum Logging Block.

STENOGRAPHERS

Export Typewriting of every description. Mimeographing, Multigraphing.

Adkison & Dill GENERAL CONTRACTORS Specialists in Reinforced Concrete

Artistic Wire & Iron Wks. Manufacturers Ornamental Iron Work and all kinds of Wire Work.

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Edward Cox General Contractor Cabinet Making Fixtures

Davies Construction Co. General Contractors

Dominion Construction Co., Ltd. General Contractors

W. GREENLEES CONTRACTOR

Harrison & Lamond Industrial Engineers

Hodgson, King & Marble Contractors & Engineers

Palmer Bros. General Contractors

Robertson & Partners, Ltd. Public Works Contractors and Engineers

RUSH & READ PLASTER AND ORNAMENTAL PLASTERING & CEMENT WORK

H. A. Wiles GENERAL CONTRACTOR Alterations, etc.

McDaniel & Scott ELECTRICAL CONTRACTORS

Electric Contracting & Repairing Co.

Percy F. Letts ELECTRICAL ENGINEER and CONTRACTOR

Vancouver Forge Co. Limited FORGINGS OF ALL DESCRIPTIONS

J. R. Tacey & Son EXHAUST and BLOW PIPING our Specialty

Blue Prints Whilst You Wait DRAFTING ALL LINES

McLeod Sheet Metal Works Furnaces, Roofing, Cornices, Skylights and General Sheet Metal Work

W. S. CRAIG ACCOUNTANT and AUDITOR

FRANK M. SLOWIN TAILOR Business Men's Suits My Specialty

CHAS. LUNDEGREN Plumbing and Repair Work

