



MARSHALL-WELLS B. G. LIMITED

WHOLESALE HEAVY AND SHELF HARDWARE, AUTOMOBILE ACCESSORIES AND SHIP CHANDLERY
RADIO, DOMESTIC AND COMMERCIAL REFRIGERATION.

INVOICE NO. **28067** VANCOUVER, B.C.

ORDER NO. **28067**

TERMS: **25 15TH PROX**

JA 16 5

**INDIAN RESIDENTIAL SCHOOL
ALERT BAY B C**

INTEREST AT 8 PER CENT. CHARGED ON OVERDUE ACCOUNTS

THIS BILL MAY, AT VENDOR'S OPTION, RUN 60 DAYS, BUT VENDORS RESERVE THE RIGHT TO DEMAND PAYMENT AT ANY TIME WITHOUT NOTICE

QUANTITY		PRICE	EXTENSION	TOTAL
5	GAL CREAM HOUSE PAINT 5 1's		3 40	17 00
2	GAL RICH BROWN		3 40	6 80
				<u>23 80</u>
			CTOE	35
				<u>24 15</u>

IMPORTANT

DO NOT RETURN GOODS WITHOUT FIRST RECEIVING OUR PERMISSION.

PHONE OR WRITE CLAIMS DEPT., GIVING NUMBER AND DATE OF INVOICE

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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THE MARK OF QUALITY

MARSHALL-WELLS B.G. LIMITED

WHOLESALE HEAVY AND SHELF HARDWARE, AUTOMOBILE ACCESSORIES AND SHIP CHANDLERY
RADIO, DOMESTIC AND COMMERCIAL REFRIGERATION.

INVOICE NO. 16109/9 /10
ORDER NO. 1254/33
TERMS: 15TH PROX

VANCOUVER, B.C.

APR 22 5

INDIAN RESIDENTIAL SCHOOLS
ALERT BAY B C

INTEREST AT 8 PER CENT. CHARGED ON OVERDUE ACCOUNTS

THIS BILL MAY, AT VENDOR'S OPTION, RUN 60 DAYS. BUT VENDORS RESERVE THE RIGHT TO DEMAND PAYMENT AT ANY TIME WITHOUT NOTICE

QUANTITY	PRICE	EXTENSION	TOTAL
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25 ITEMS

3	GALS	ROBINS EGG BLUE EASYCOAT	3 40	10 20
3	GAL	PARISIAN MAUVE	3 40	10 20
3	GAL	RUSSIAN TAN	3 40	10 20
3	GAL	SUXTON BUFF	3 40	10 20
2	GAL	DEVISGURE CREAM	3 40	6 80
1	GAL	HOLLAND BLUE		3 40
5	GAL	PRIMER	3 00	15 00
1	GAL	PORCH PAINT SLATE		3 40
1	QT	WINNIPEG WHITE ENAMEL MIRACLE	1 85	
		LESS 35%		1 20
1/2	GAL	CONCRETE PAINT SLATE		1 78
1	GAL	HOUSE PAINT NO # IVORY M #		3 40
1	GAL	DO SPEC GREEN		3 80
1	QT	ENGINE ENAMEL RED		1 08
5	GAL	405 B SHINGLE STAIN MED GREEN M# LIN OIL	1 55	7 75
5	GAL	DO GRAY	1 55	7 75
10	GAL	409 R DO BRT RED	1 40	14 00
1	GAL	4 HR CLEAR VARNISH	5 50	
		LESS 35%		3 58
1	GAL	GOLDEN OAK VARNISH STAIN	5 50	
		LESS 35%		3 58
				<u>117 32</u>
		PACK		30
				<u>117 62</u>

NET ITEMS

4 1/2	GAL	TURPS HERCULES ST DISTILLED		
		FILTING CAN	1 10	4 58
2	GAL	LINSEED OIL RAW	1 12	2 24
				<u>6 82</u>
		CTGE		35
				<u>7 17</u>

TOTAL 25 & NET ITEMS...

124 79

*fright & charges being paid
by Mr Anfield.*

IMPORTANT

DO NOT RETURN GOODS WITHOUT FIRST RECEIVING OUR PERMISSION.

PHONE OR WRITE CLAIMS DEPT., GIVING NUMBER AND DATE OF INVOICE

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Missionary Society of the Church of England in Canada
INDIAN RESIDENTIAL SCHOOL COMMISSION

MR. F. EARL ANFIELD
PRINCIPAL



June 14th, 1935.

ST. MICHAEL'S SCHOOL
ALERT BAY, B. C.

The Indian Agent,
Alert Bay, B. C.

Dear Mr. Todd,-

In view of the Department's decision that the proposed refrigeration plant must not be run from the School electric light plant, I have arranged for Marshall-Wells refrigeration expert to come up and look the matter over. He is here now and informs me as follows,-

(1) That the automatic plant previously tendered on would have given 24 hour service by the use of the electric power from the School plant.

(2) That the amended plan, using a small 5 H.P. plant, must be installed to take care of an 8 hr. holdover, necessitating the use of brine coils, with consequent enlargement of the proposed unit and increased cost.

I am therefore submitting to you an amended tender from this firm.

Yours very sincerely,

F. Earl Anfield
Principal.

FEA:RC

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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Missionary Society of the Church of England in Canada
INDIAN RESIDENTIAL SCHOOL COMMISSION

MR. F. EARL ANFIELD
PRINCIPAL



June 14th, 1935.

The Indian Agent,
Alert Bay, B. C.

ST. MICHAEL'S SCHOOL
ALERT BAY, B. C.

Dear Mr. Todd,-

Enclosed please find tender for a refrigerating plant for this School. I have gone over it very carefully and am satisfied that it is the type of plant required. We shall operate it from a semi-diesel engine at present in the school; the Petters taken out of the domestic pumphouse. In addition to the tender of \$825.00 as offered by Marshall-Wells Ltd., Vancouver, B. C., there will be required a further sum of \$75.00 for the door; and for lumber and cement for the small building to be erected to house the compressor and engine. The school will do the labour.

825
75
4900

If this tender is accepted to you, will you ask the Department to utilize part of the funds made available for laundry machinery for this purpose, as we consider refrigeration to be an urgent necessity at this School. It is hoped that the Department will sanction immediate purchase of the equipment recommended herewith, so that installation may proceed without delay.

Yours very sincerely,

Principal.

Encs/
FEA/RC

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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Missionary Society of the Church of England in Canada
INDIAN RESIDENTIAL SCHOOL COMMISSION

MR. F. EARL ANFIELD
PRINCIPAL



June 14th, 1935.

Marshall-Wells B. C. Limited,
Vancouver, B. C.

ST. MICHAEL'S SCHOOL
ALERT BAY, B. C.

to

St. Michael's Residential School,
Alert Bay, B. C.

Attention Mr. F. E. Anfield, Principal.

Dear Sir:-

Re Kelvinator Refrigeration System -- Revised Quotation.

Confirming our conversations with you, we have pleasure in offering revised quotation covering the supply and installation of our Kelvinator (made in Canada) refrigeration system set up and connected on your premises as follows,-

In insulated storage room provided by you to dimensions 5'W x 9'L x 8'High interior measurement.

We would instal,-

- 1 - Kelvinator Model 11239 large size crossfin cooling coil.
- 1 - Special Brine Slush type, horizontal tank coil with radial fins, (capacity 20 gallons magnesium sulphate brine solution).
- A - 1 - Kelvinator Model LM7 Ice Cube Maker, capacity 7 three lbs. trays.
- 3 - Automatic thermostatic expansion valves.
- 1 - Standard cork insulated L baffle with drip pan and drain connections.

All properly connected according to Kelvinator of Canada Standard engineering practise etc.

- 1 - Kelvinator, Model W.R.3150, twin cylinder, water cooled, methyl chloride compressor.

This machine will be fitted with special drive pulley, and suit-

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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able belt supplied for belting to your Petters Oil Engine. Operating speed 400 R.P.M.

Including all necessary copper tubing, fittings, hand valves and methyl chloride refrigerants.

Condensing unit is equipped with,-

- 4 Service shut off valves.
- 1 Automatic pressure actuated water valve.
- 1 Vertical condenser and liquid receiver.
- 1 Refrigerant strainer and oil separator.
- 1 Refrigerant level try cock.
- 1 High pressure relief valve.
- 1 High pressure gauge.
- 1 Compound gauge.
- 14 lbs. Methyl Chloride refrigerant.

All the above installed and in satisfactory operating order.

One years full service gaurantee. Price \$825.00

The compressor has ample capacity to serve future extensions to storage facilities as anticipated.

The advantage of our combination fin coil and holdover system in your case is apparent, as it will give you the necessary reserve capacity to maintain even temperature at 37 degrees to 40 degrees for at least 5 hours in daytime periods and 8 hours at night when door is kept closed.

Figuring our suction gas temperature at plus 10 degrees, we use a special brine formula which commences freezing at plus 20 degrees, forming slush. This slush has a capacity of 11,590 B.T.U. per 100 lbs. brine or a total of 23,180 B.T.U. in tank specified above, which is ample to absorb the full leakage into the box for 8 hours.

Referring back to our previous quotation of June 15th, 1934, you will note that this provided for a 1/3 H.P. Condensing unit and equipment to serve a storage box 7' x 5' x 7'H outside, which would net 6' x 4' x 6' interior space. As we were then contemplating the use of your automatic electric power which would amount to continuous power service, we did not consider it necessary to recommend, special holdover features, and quoted on crossfin coils only.

We recommend that brine tank coils are necessary at this time in order that your engine operating time may be limited to 16 hours per 24.

The actual storage capacity of the room now contemplated will be 2000 to 3000 lbs. general foodstuffs.

The Condensing unit as specified has sufficient capacity to cool a total storage load 10 to 12 tons. It will only be necessary at any future date to provide additional room and connect the necessary coiling etc. to provide cooling accommodation up to this amount.

We can make complete installation in one month.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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- 3 -

Awaiting your instructions, We remain,

Yours respectfully,

MARSHALL-WELLS B. C. LIMITED,
VANCOUVER, B. C.

[Handwritten signature]
Refrigeration Sales Division.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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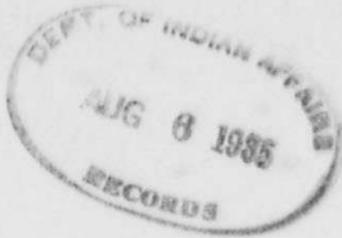
DEPARTMENT OF INDIAN AFFAIRS
CANADA



156-0-5

OFFICE OF
INDIAN AGENT

Alert Bay, B. C.,
July 29, 1935.



Sir,-

Enclosed please find voucher No. 142 covering two invoices from Marshall-Wells B.C. Ltd. for shipments of paint to St. Michael's Indian Residential School, Alert Bay.

Mr. Anfield advises me during Mr. Phelan's recent visit he authorized the expenditure of \$150.00 to assist him in making the annual repairs to the School. Mr. Phelan requested that the invoices be forwarded to the Department and have them referred to him as no authority was given other than his verbal instructions.

Your obedient servant,

M. S. Todd
(M. S. Todd)
Indian Agent

The Secretary,
Department of Indian Affairs,
Ottawa, Canada.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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COPY

Alert Bay, B. C.,
August 20, 1935.

Sir,-

Recently the Dominion Government Boiler Inspector, Mr. T.J. Arnall, made his annual inspection at St. Michael's Residential School, Alert Bay, and again informed me boiler No. 44325 which he had reported unfavourably on last year, must be replaced. In his last report Mr. Arnall stated as follows:-

Boiler No. 44325: - "I gave this boiler a careful internal and external inspection, and found that its condition was very poor. It has been pitting for some time and although the pitting has stopped, the damage to the plates has been done. After the coming season it must be taken out and another installed. The longitudinal seam was found to be slightly leaking."

In the Department's letter of May 28th, No. 156-0-5, they stated an item of \$1300.00 had been provided for the supplying of laundry equipment for the Alert Bay Residential School this year. In my letter to the Department dated June 15th it was recommended that a refrigerator plant be installed, but it is now realized with the necessary expenditure for a new boiler this amount of \$1300.00 will not cover both items.

The matter was thoroughly discussed with Mr. Anfield, and he decided, in view of the lateness of the season, he would manage without the refrigerator plant, and asked me to write the Department requesting that the money originally intended for this purchase be used for the purchase of a boiler and laundry equipment, which is urgently required. I am enclosing an illustration of the type of Steam Ironer requested by Mr. Anfield, and I would therefore now recommend that the refrigerator plant be left in abeyance and that the \$1300.00 approved for expenditure at the school this year be used to purchase the new boiler and Steam Ironer.

The boiler recommended by Mr. Arnall is as follows:-
1 Vertical Boiler, size 38" x 90", 142 square feet heating surface, 14.2 H.P., 125 pounds working pressure, at an approximate cost of \$600.00.

The Steam Ironer required, shown in the enclosed illustration, would cost approximately \$800.00. If \$1300.00 is all that is available, I would suggest that the Department purchase the boiler and apply the balance on the Ironer and let the Commission make up the remainder.

I regret that so much correspondence has taken place in connection with the amount of money approved, but we are trying to get the most urgent requirements and that is our reason for requesting the installation of a larger boiler for the laundry. Would the Department kindly advise us as quickly as convenient as the school will be reopening shortly and with so many primary grades this year the laundry equipment is considered urgent.

Your obedient servant,

The Secretary,
Department of Indian Affairs,
Ottawa.

M. S. Todd
(M. S. Todd)
Indian Agent

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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MONTREAL

WINNIPEG

REGINA

CALGARY

VANCOUVER



STANLEY BROCK LIMITED.

Vancouver, B.C.

June 12, 1935,

REPRESENTING

THE CANADIAN LAUNDRY MACHINERY CO. LTD.
TORONTO, ONT.

(LAUNDRY AND DRY CLEANING MACHINERY)

THE CANADIAN HOFFMAN MACHINERY CO. LTD.
TORONTO, ONT.

(SANITARY STEAM PRESSING MACHINERY)

THE PERMUTIT COMPANY, NEW YORK.

(PERMUTIT WATER SOFTENERS)

THE CANADA STARCH CO. LTD.

MONTREAL, QUE.

(BULK LAUNDRY STARCHES)

DISTRIBUTORS OF

GLOVER CONTINUOUS GASOLINE

CLARIFICATION SYSTEMS

NATIONAL MARKING MACHINES

HUEBSCH HOSIERY IRONERS AND

AUTOMATIC VALVES

ACME TAGGING MACHINES

ERMCO SUPER-SUCTION VACUUM MACHINES

RIVERSIDE DRY CLEANING CHEMICALS

DEALERS IN

WYANDOTTE SODA

PROCTER & GAMBLE SOAP

SPEARE'S ANILINE BLUES

CAUSTIC SODA AND SODA ASH

GREENBANK CHLORIDE OF LIME

COTTON DUCK, ALL WEIGHTS

WOOL BLANKETS

CANVAS BLANKETS

LAUNDRY NETS AND NETTING

COTTON AND WOOL PADS

TRUCK CASTORS

MARX STEEL WOOL PADS

LAUNDRY PINS

MARKING TAGS

SPOTTING BRUSHES

CIBA GARMENT DYES

SPOTTING CHEMICALS

VELVEX SIZING

WHEMAZE STARCH

GARMENT HANGERS

DARCO

F. E. Anfield, Principal,
St. Michaels Indian School,
Alert Bay, B.C.

Dear Sir:-

Re yours of June 7th regarding specifications, prices and literature on Steam Flat Work Ironer. We have in stock at the present time a re-conditioned 100" Toronto, Belt Driven, 2-Roll Flat Work Ironer priced at \$800.00 f o b our warehouse here. This machine has a capacity of approximately twelve feet per minute dried work, providing there is proper extraction, and with one hundred pounds steam pressure at the Ironer.

7 foot space 6' x 14'

We believe this machine is amply capable of taking care of the work in your Institution.

A new Machine such as our 100", 2-Roll Hagen Flat Work Ironer with approximately, 15% more capacity, would cost you \$2765.00 Toronto, plus 6% tax. A 100" No. 11 Utility, Belt Driven machine with capacity of twelve feet per minute would cost \$1650.00 Toronto plus 6% tax. This is also a new machine.

The Toronto machine referred to could be driven from your present shafting.

We are enclosing a cut of 100" Hagen referred to above which will give you some idea as to the appearance of the machine we have in stock here.

It takes two motor H.P. to drive the Toronto machine and it will take 2-1/2 boiler H.P. to heat same.

Any further information that you may require regarding this machine kindly let us know. If you can find it convenient to come to Vancouver this Flatwork Ironer can be seen at our warehouse. Assuring you of our desire to be of service and thanking you for the inquiry we are

Yours truly,

[Signature]
Stanley Brock Limited,

LJM/MMD
Encl.

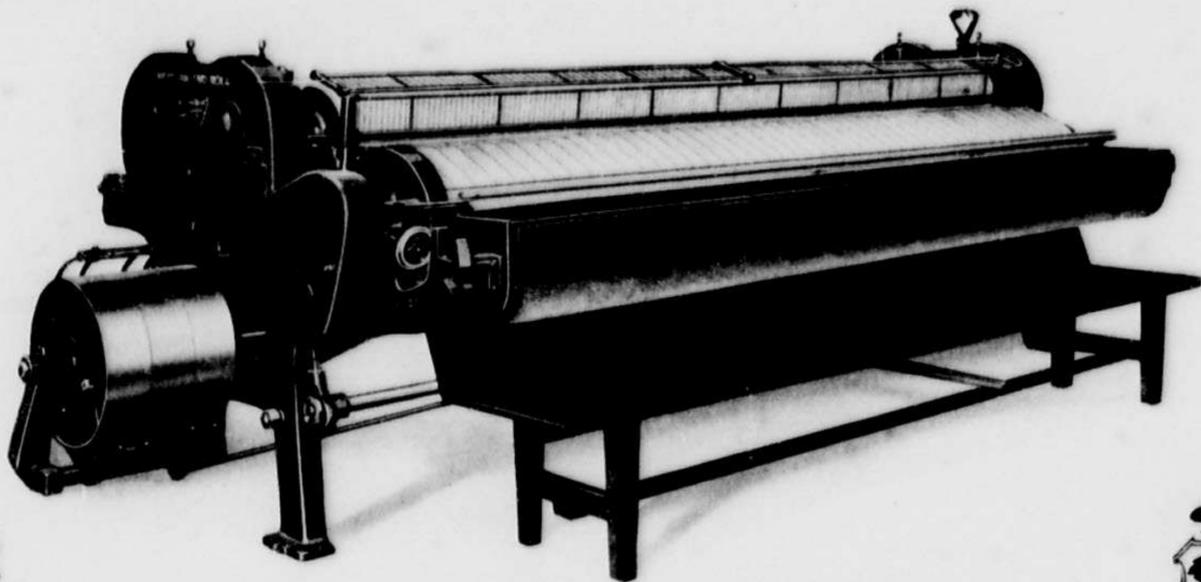
Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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The Canadian No. 3112 Two Roll Return Apron Flat Work Ironer

Standard or ~~Floating~~ Roll Type — Belt Drive

Size and Type

Shall be (Standard or Floating Roll) type flat work ironer with ironing surface not less than inches in width.

Padded Roll and Chests

Shall be two (2) rolls, $12\frac{1}{8}$ inches in diameter when padded. Rolls shall operate in two steam chests, concave in shape to conform to the padded rolls, ground and polished. Chests shall be tested to 200 pounds hydrostatic pressure, designed for 100 pounds working steam pressure. Chests shall be fitted and mounted true, making a smooth and continuous surface over which the pieces to be ironed shall pass.

Heated surface shall be as follows in both standard and Floating Roll type machines:

Size	Surface under Pressure of Rolls	Contact Surface Under Apron	Surface Not Under Pressure	Total Heated Surface of Chests
× 100-inch.....	2,150 sq. in.	3,800 sq. in.	2,150 sq. in.	8,100 sq. in.
120-inch.....	2,580 sq. in.	4,560 sq. in.	2,560 sq. in.	9,720 sq. in.

Frames and Gears

The two end frames for supporting rolls, chests, and driving mechanism shall be cast iron, of a neat and substantial design, and provided with four supporting legs. Frames shall be fitted with bearing boxes for the roll shafts. Rolls shall be driven at both ends. All gears shall be machine cut from solid blanks, and securely protected by solid paneled guards.

Pressure Device — Standard Type

Roll shafts shall be held in position and uniform pressure maintained by steel springs of proper strength, located above each roll shaft bearing. These springs shall compensate for variation in thickness of material ironed. Pressure shall be regulated by a pressure bar placed over springs, ends of pressure bars being connected by vertical rods to eccentrics at four points on machine. Said eccentrics shall be easily accessible and rods readily adjusted, and shall be operated by the power of the machine through three bevel gears, so arranged that power can be applied by means of hand lever placed on right hand side of machine at feeding point. Shall be equipped with dial to indicate relative amount of pressure being used. Pressure lever handle shall be so arranged that it is locked in position when set on neutral point. Eccentrics on each side of the machine shall be connected by through shafts and all operated in unison. The pressure device shall also be equipped with hand wheel, so that the device can be operated when power is off.

OVER

The Canadian Laundry Machinery Co., Ltd.

Toronto, Canada

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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August 22, 1935.

MEMORANDUM:

The Honourable the Superintendent General,-

Mr. M. S. Todd, Indian Agent, Alert Bay, B. C., has forwarded a request from the Principal of the Alert Bay Indian Residential School (Electoral District of Vancouver North), for the supplying of cold storage equipment for the use of the school. They have no facilities for keeping milk and food supplies, as it is not possible to obtain natural ice at Alert Bay.

The Estimates for Indian Education for the current fiscal year contain an item, to the amount of \$1,300, for the supplying of laundry equipment. The school authorities now advise that the supplying of cold storage equipment is more urgent than the laundry machinery and also that the church authorities, themselves, will purchase part of the laundry equipment. The Agent has forwarded a quotation from Marshall-Wells B. C. Limited, Vancouver, B.C., for the supplying and installing of a Kelvinator refrigerating system, at a total cost of \$825. An additional sum of \$75 will be required for the erection of a small building to install the plant, making a total cost of \$900. Mr. Agent Todd has strongly recommended the supplying of the cold storage equipment as being more urgent than laundry machinery.

I beg to recommend, for your approval, that the funds required to install the cold storage equipment be authorized. I shall be pleased to receive your direction if it will be satisfactory to place the order with Marshall-Wells B. C. Limited, or what other firm you request should be asked to quote.

J.S.
22/8/35

Sumner

Deputy Superintendent General.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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156-0-5

DEPARTMENT OF INDIAN AFFAIRS
CANADA

DEPT. OF INDIAN AFFAIRS
AUG 12 1935
RECORDS

IN YOUR REPLY REFER TO
15/6/40744.

COMMISSIONER'S OFFICE
P.O. BOX 666

ALSO TO DATE OF THIS LETTER

VICTORIA, B.C., 5th August, 1935.

Sir:

R

cont of
1481.

I have the honour to advise the Department that Mr. Webb of the Dominion Water Power Branch, at Vancouver, has today discussed with me several matters affecting our work in British Columbia, an item of which is the necessary waterproofing of part of the Alert Bay Indian Residential School, upon which a report has already been made to the Department through the Director of the Water Branch from Mr. Webb's office.

It is understood also that Mr. Phelan recently visited Alert Bay and would probably have discussed with the Indian Agent and School Principal the condition of the building.

Mr. Webb and I consider that it should be recommended to the Department that, if funds are available, the waterproofing proposed to be done should be carried out during the present dry weather rather than waiting until the fall rains begin when the continued leaky condition will probably recur unless the work is done. I would request the Department's attention be given to this matter with as little delay as possible.

Your obedient servant,

C. C. Perry.
Asst. Indian Commissioner for B. C.

Send copy 12/00

P:HN

The Secretary,
Department of Indian Affairs,
OTTAWA, ONTARIO.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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PLEASE ADDRESS YOUR REPLY TO
THE DIRECTOR OF DOMINION WATER POWER
AND HYDROMETRIC BUREAU
DEPARTMENT OF THE INTERIOR
OTTAWA, CANADA



156-0-5
DIRECTOR, J. T. JOHNSTON, C.E., M.E.I.C.
ASST. DIRECTOR, V. MEEK, B. Sc., M.E.I.C.

PLEASE REFER TO ONE SUBJECT IN A
LETTER, AND IN YOUR REPLY QUOTE
FILE No. 2543-A

MFC:MMcD.

DEPARTMENT OF THE INTERIOR
CANADA
DOMINION WATER POWER AND HYDROMETRIC BUREAU

OTTAWA, ONT.

May 28, 1935.



Amph
Sir,- Re: Alert Bay Indian Residential School

Last February Mr. Perry requested Mr. Webb to have an inspection made of the walls of the Alert Bay Indian Residential School to ascertain the extent of injury caused by seepage through them during the early winter months. Mr. Warren made an inspection shortly after and there is attached hereto a copy of his report dated March 22nd, with a covering letter from Mr. Webb dated May 22nd; also copy of Mr. Webb's letter to the Canadian Minwax Company, Limited, of Montreal, who were responsible for water-proofing the exposed walls of the school in 1933.

From this report it would appear that the water-proofing process has not been successful and Mr. Webb is endeavouring to obtain some satisfaction from the Canadian Minwax Company to live up to the representations made before the work was undertaken.

Your obedient servant,

J. T. Johnston,
Director.

J. T. Johnston

A. F. Mackenzie, Esq.,
Secretary,
Department of Indian Affairs,
Ottawa.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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CEW/CG

May 22, 1935.

Sir: Re: Alert Bay Indian Residential
School

On February 26th last you were advised of an inspection by Mr. W.C. Warren of damage to the walls of the above school caused by seepage through them during the early winter months.

It appeared from Mr. Warren's inspection that the waterproofing which was done to the building in the summer of 1933 had not been a success and the Vancouver agent of the Minwax Company, from whom waterproof material had been purchased, was communicated with under date of February 20th. In this letter we outlined how the waterproofing of the building had been carried out under the Minwax Company's instructions and specifications and under the most favourable weather conditions, and in view of the fact that the desired results had not been obtained we suggested that the company should assume responsibility to making the walls in question thoroughly waterproof. We have had some correspondence with the Canadian Minwax Company Ltd. 1176 Benoit St. Montreal, Quebec and up to the present no definite settlement of the question has been reached.

A copy of our most recent letter of May 10th to the Canadian Minwax Company is enclosed, from which you will note we have put the matter up to them as to whether they are going to undertake the satisfactory waterproofing of the building or not. It seems to me the responsibility is theirs.

I am enclosing copy of Mr. Warren's memorandum of March 22nd, reporting the result of his inspection. I think the Department of Indian Affairs would be well advised to immediately have a row of Lombardy poplars planted along the south and west sides of the building to act as a windbreak against the driving rain which occurs each winter, and at the same time a row of fir should be planted which, when grown, will make a much more permanent wind break.

Enc. wind break.

Your obedient servant,

J. T. Johnston, Esq. C. E.,
Director,
Dom. Water Power & Hydrom. Bureau,
OTTAWA.

C. E. Webb
District Chief Engineer.

C. C. for Dept. of Indian Affairs, Ottawa, enclosed
Mr. Perry

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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Vancouver, B.C.,
March 22nd, 1935.

Memorandum to Mr. Webb

Re: Alert Bay School

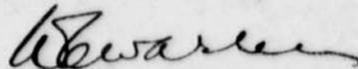
I made an inspection of the above school building on the 9th of February and found that the inside walls of the school and residence on the sides facing south and east showed unmistakable signs of dampness penetrating through the walls.

I was informed by the principal of the school that the amount of moisture had been very great since the exceptional storm of the week of January 20th to 26th and that the school people had been employed more or less constantly during the latter part of that week and the following week in drying up the floors and walls of the building. There was, however, at the time of my visit, sufficient evidence of moisture penetration on the walls to satisfy me that the seepage had occurred to a considerable extent.

Examination of the outside walls of the building did not disclose any breaking down of mortar or any weakness in the wall and the waterproofing material which had been applied two years previously did not appear to have been washed out by rains. The inside walls of the building are commencing to show signs of breaking down. The metal lath on the exposed walls apparently is rusting away as the plaster is very weak in places.

It would appear that the Minwax waterproofing material applied in 1933 has not been effective. As to the reason why this material has been non-effective I am not prepared to express an opinion. I would suggest, however, that it would be desirable during the coming summer to make some further tests on the building with the same material and with other types of waterproofing before adopting any other expedient.

It would be desirable in my opinion, to plant a hedge of trees along the south and west sides of the building in order to provide a wind-break and to minimize the effect of the driving rains on the exposed faces of the building. The Lombardy poplar would be suitable for this purpose as it grows very fast and to a desirable height. Its life is, however, short and it should only be employed until such time as a more lasting tree, such as the fir, can be grown to the necessary height.



W.C. Warren
Asst. Hydraulic Engineer

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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COPY

May 10, 1935.

Sirs:

I wish to acknowledge your unsigned letter of the 3rd instant regarding defective waterproofing.

I note your remarks regarding possible structural defects. I would point out that for possible defective joints we were advised to use pointing and calking material manufactured by your company, which we did to the extent mentioned in my letter of the 20th February to Mr. Loney. It would now appear from your letter that the material supplied was not that which should have been used in this instance.

In view of the fact that you do not appear to be satisfied with the conclusions arrived at after investigations by this Bureau, it would appear to me that the only satisfactory method of ascertaining the information you desire would be an inspection of the building by the Minwax Company. In order to further this and provide every assistance possible I am prepared to recommend to the Department of Indian Affairs that a responsible member of your firm be allowed to carry out the test suggested in your letter of the 3rd instant.

As it is necessary that the problem of this building be effectively solved by mid-summer I shall be pleased to be informed of early action in this connection.

Your obedient servant,

C.E. Webb
District Chief Engineer

Canadian Minwax Co. Ltd.,
117t Benoit St.,
MONTREAL, QUE.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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DEPARTMENT OF INDIAN AFFAIRS
CANADA



OFFICE OF
INDIAN AGENT

Alert Bay, B.C.,
June 15, 1935.

Sir,-

v
Replying to your letter No. 156-0-5 dated May 28th regarding the installation of a cold storage plant in St. Michael's Residential School, Alert Bay, I beg to advise I have taken this matter up with the Principal who arranged to have an expert of the firm of Marshall-Wells B.C. Ltd., Vancouver, B.C. come to Alert Bay and take measurements, etc., and after thoroughly discussing the proposed amended plan with the Principal and myself he has submitted the enclosed Tender in the full price of \$825.00 with one year's full service guarantee. In addition, \$75.00 would be necessary to provide lumber and material to erect a small building to house the compressor and engine. The school have agreed to supply all the labour in connection with this.

It might be as well to state the original tender submitted to the Department was from Marshall-Wells B.C. Ltd. in which they agreed to install the equipment for the amount of \$690.00 but this was intended to operate from the lighting plant. When it was discovered the Department regulations would not permit this, it was necessary to ask for an amended tender and make certain alterations for the new equipment. This has now been worked out and as stated before, it can be installed for the sum of \$825.00 with an additional sum of \$75.00 required for the erection of a small building, making a total cost of \$900.00.

As we are anxious to get the Department's decision as quickly as possible in order that we may proceed with the installation we are trying to give you all the particulars. When we found it necessary to make the change and work out a new plan we decided we would use a storeroom in the school adjacent to the boiler room and by doing this we could have considerably more storage capacity for general food stuffs.

It is noted in your letter an item of \$1300.00 was included in our Estimates for the supplying of laundry equipment. Mr. Anfield now advises the Commission are going to purchase part of the laundry equipment which we had previously asked for, and therefore I feel in view of this and the urgent need of the cold storage equipment, the Department should supply this refrigeration plant, and I strongly recommend that the Department approve of the enclosed Kelvinator Refrigeration System submitted in the enclosed Tender. If the Department will approve, I would recommend that they request either this office or our Assistant Commissioner at Victoria to arrange for the purchase of same and have the plant shipped direct to St. Michael's School, Alert Bay. Would you kindly advise us at your earliest convenience as we are anxious to proceed with the installation during the summer months.

Your obedient servant,

M. S. Todd
(M. S. Todd)
Indian Agent

The Secretary,
Department of Indian Affairs,
Ottawa, Canada.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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DEPARTMENT OF INDIAN AFFAIRS
CANADA



156-0-5

DEPT. OF INDIAN AFFAIRS
SEP 14 1935
RECORDS

OFFICE OF
INDIAN AGENT

Alert Bay, B. C.,
September 7, 1935.

Sir,-

Replying to your letter No. 156-0-5 regarding the installation of a new boiler at St. Michael's Indian Residential School, Alert Bay, I beg to advise Dr. T.B.R. Westgate of the Indian Residential School Commission visited me yesterday accompanied by Mr. Anfield, the Principal, and we thoroughly discussed what was best to do in our difficulty.

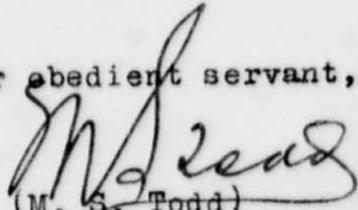
We all agreed the boiler and steam ironer were much more important and necessary at the present time than the refrigeration plant. The boiler and ironer are more or less hooked up together and one cannot function properly without the other. At present the boiler is too small and is being used far beyond its capacity, and it being in poor condition we are afraid of an accident. This year there are a great number of primary grades and it is not possible for the older girls to do all the work necessary. After considering our position, Dr. Westgate decided to wire the Department as follows:-

"After consultation Indian Agent Todd and Principal Anfield strongly recommend immediate installation steam ironer and high pressure boiler Alert Bay School as suggested in Mr. Todd's letter to you August 20th last. Season now so far advanced refrigeration plant mentioned in your letter August 29th to Mr. Todd may be held over until next year. School management will install machinery and our Society will meet all cost beyond Fifteen Hundred Dollars. As School now open with capacity enrollment, kindly wire instructions Indian Agent Todd."

"T.B.R. Westgate"

I feel we have taken the only course open, and therefore would recommend to the Department they arrange for the installation of a suitable boiler as well as a steam ironer to take care of the work. This is urgent, and I would kindly ask the Department's immediate consideration.

Your obedient servant,


(M. S. Todd)
Indian Agent

The Secretary,
Department of Indian Affairs,
Ottawa, Canada.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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Ottawa, September 13th, 1935.

Sir,-

Referring to your letter of June 15th, last, and official reply of August 29th, in connection with supplying cold storage equipment at the Alert Bay Indian Residential School, I beg to say that you should secure quotations at once for the equipment required from the following firms:-

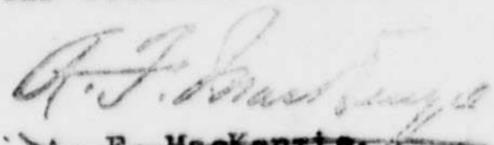
Crawley & Barker,
35 Lonsdale Ave.,
North Vancouver, B. C.

Paine Hardware Ltd.,
90 Lonsdale Ave.,
North Vancouver, B. C.

When these quotations are received, they should be forwarded to the Department for consideration.

In requesting the above mentioned firms to quote, you should give them full particulars regarding the cold storage equipment that is required at Alert Bay.

Your obedient servant,


A. F. MacKenzie,
Secretary.


M. S. Todd, Esq.,
Indian Agent,
Alert Bay, B. C.

PP/O'M.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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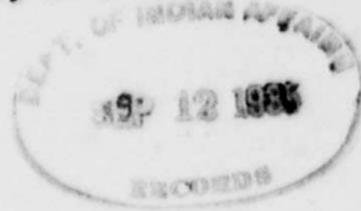
156-0-5
Minister's Office

MEMORANDUM

September 10, 1935

[Handwritten signature]
DR. MCGILL

R



Your memorandum of August 22nd, your file 156-0-5, concerning the installation of a Refrigerating system in the Alert Bay Indian Residential School, is returned herewith.

The Minister has authorized this expenditure but, before placing the order, his instructions are that quotations are to be invited from:

Crawley & Barker,
35 Lonsdale Ave.,
North Vancouver,

and- Paine Hardware Ltd.,
90 Lonsdale Ave.,
North Vancouver.

[Handwritten signature]
George Buskard
Private Secretary.

Encl.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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POOR-CO



156-0-5.
AUG 23 1935
DEPT. OF INDIAN AFFAIRS

DEPARTMENT OF INDIAN AFFAIRS
CANADA

OFFICE OF THE
DEPUTY SUPERINTENDENT GENERAL
OTTAWA

August 22, 1935. **R**

MEMORANDUM:

The Honourable the Superintendent General,-

Mr. M. S. Todd, Indian Agent, Alert Bay, B. C., has forwarded a request from the Principal of the Alert Bay Indian Residential School (Electoral District of Vancouver North), for the supplying of cold storage equipment for the use of the school. They have no facilities for keeping milk and food supplies, as it is not possible to obtain natural ice at Alert Bay.

*Purchase approved
W. G. M.*

The Estimates for Indian Education for the current fiscal year contain an item, to the amount of \$1,300, for the supplying of laundry equipment. The school authorities now advise that the supplying of cold storage equipment is more urgent than the laundry machinery and also that the church authorities, themselves, will purchase part of the laundry equipment. The Agent has forwarded a quotation from Marshall-Wells B. C. Limited, Vancouver, B.C., for the supplying and installing of a Kelvinator refrigerating system, at a total cost of \$825. An additional sum of \$75 will be required for the erection of a small building to install the plant, making a total cost of \$900. Mr. Agent Todd has strongly recommended the supplying of the cold storage equipment as being more urgent than laundry machinery.

I beg to recommend, for your approval, that the funds required to install the cold storage equipment be authorized. I shall be pleased to receive your direction if it will be satisfactory to place the order with Marshall-Wells B. C. Limited, or what other firm you request should be asked to quote.

Harold McMill

Deputy Superintendent General.

J

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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156-0-5

Public Building
Victoria, B. C.

DATED ... August 9th, 1935.

Mr. C. F. Dawson,
District Resident Architect,
Department Public Works,
Victoria, B. C.

Dear Sir:

I beg to report that I have this day inspected Boiler
No. **44262 B.C.** owned by the Department of **Indian Affairs**
and located at **St. Michaels Indian School, Alert Bay, B.C.**
and have found it in the following condition:

Type of Boiler-	Steel Tubular - "Ingles Supreme"		
Condition of Plates-	Good	Condition of stays-	Good
Condition of Rivets-	Weld - Good	Condition of tubes-	Good
Hydrostatic Test-	45 lbs.	Hammer Test-	Sound
Deflection Test-	Normal	Condition under Test-	Good
W.P. allowed,-	30 lbs.	Water Gauge-	Good
Test Cocks-	Good	Steam Gauge-	1 lb. Heavy
Safety Valves set to-	15 lbs.	Fusible Plug-	To be renewed
Blow off pipes-	Good	Blow off cock-	Good
Brick side walls-		Brick Bridges-	Fair
Brick Front Walls-		Brick Back walls-	
Brick Front Arches-		Brick Back Arches-	
Smoke Pipes and Breaching-	Good	Firebars -	Good

REMARKS:- **All Packing Glands on Steam Valves to be repacked.**
New 1" Valve required on pipe from boiler to water column.

T. J. Arnall
T.J. Arnall,
Engineer D.P.W.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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Public Building
Victoria, B. C.

DATED August 9th, 1935.

Mr. C. F. Dawson,
District Resident Architect,
Department Public Works,
Victoria, B. C.

Dear Sir:

I beg to report that I have this day inspected Boiler
No. **44567 B.C.** owned by the Department of **Indian Affairs**
and located at **St. Michaels Indian School, Alert Bay, B.C.**
and have found it in the following condition:

Type of Boiler-	Cast Iron Sectional		
Condition of Plates-	Good	Condition of stays-	
Condition of Rivets-		Condition of tubes-	
Hydrostatic Test-	30 lbs.	Hammer Test-	Sound
Deflection Test-	Normal	Condition under Test-	Good
W.P. allowed,-	15 lbs.	Water Gauge-	Good
Test Cocks-	Good	Steam Gauge-	Correct
Safety Valves set to-	10 lbs.	Fusible Plug-	Good
Blow off pipes-	Good	Blow off cock-	Fair
Brick side walls-		Brick Bridges-	
Brick Front Walls-		Brick Back walls-	
Brick Front Arches-		Brick Back Arches-	
Smoke Pipes and Breeching-	Good.	Firebars -	Poor

REMARKS:-

Boiler well kept and in good condition.

T. J. Amall

**T. J. Amall,
Engineer D.P.W.**

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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Public Building
Victoria, B. C.

DATED August 8th., 1935.

Mr. C. F. Dawson,
District Resident Architect,
Department Public Works,
Victoria, B. C.

Dear Sir:

I beg to report that I have this day inspected Boiler
No. **44261 B.C.** owned by the Department of **Indian Affairs**
and located at **St. Michaels School, Alert Bay, B.C.**
and have found it in the following condition:

Type of Boiler-	Steel Tubular "Ingles Supreme"		
Condition of Plates-	Good	Condition of stays-	Good
Condition of Rivets-	Weld - Good	Condition of tubes-	Good
Hydrostatic Test-	45 lbs.	Hammer Test-	Sound
Deflection Test-	Normal	Condition under Test-	Good
W.P.allowed,-	30 lbs.	Water Gauge-	Good
Test Cocks-	Good	Steam Gauge-	1 lb. light
Safety Valves set to-	15 lbs.	Fusible Plug-	To be renewed
Blow off pipes-	Good	Blow off cock-	to be made tight
Brick side walls-		Brick Bridges-	Good
Brick Front Walls-		Brick Back walls-	
Brick Front Arches-		Brick Back Arches-	
Smoke Pipes and Breeching-	Good	Firebars -	Good

REMARKS: **All Packing Glands on Steam Valves to be repacked.**
1" Valve on water pipe leading from boiler to water column should be changed to prevent the spindle from being broken.

T. J. Arnall
T.J. Arnall,
Engineer D.P.W.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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Public Building
Victoria, B. C.

DATED August 8th., 1935.....

Mr. C. F. Dawson,
District Resident Architect,
Department Public Works,
Victoria, B. C.

Dear Sir:

I beg to report that I have this day inspected Boiler
No. 44325 B.C. owned by the Department of Indian Affairs
and located at St. Michaels Indian School, Alert Bay, B.C.
and have found it in the following condition:

Type of Boiler- Vertical Tubular

Condition of Plates-	Poor†	Condition of stays-	Fair
Condition of Rivets-	Poor	Condition of tubes-	Good
Hydrostatic Test-	185 lbs.	Hammer Test-	Fair
Deflection Test-	Fair	Condition under Test-	Fair
W.P.allowed,-	100 lbs.	Water Gauge-	Good
Test Cocks-	Good	Steam Gauge-	Correct
Safety Valves set to-	100 lbs.	Fusible Plug-	New
Blow off pipes-	Good	Blow off cock-	Good
Brick side walls-		Brick Bridges-	
Brick Front Walls-		Brick Back walls-	
Brick Front Arches-		Brick Back Arches-	
Smoke Pipes and Breecching-	Good.	Firebars -	Good.

REMARKS:- Boiler during year has been well kept in condition,
similar to 1934 report. Steam pressure is reduced
from 125 to 100 lbs. on account of weakened condition
of single riveted lap seam. Must be renewed before
School resumes. Size of boiler required 15 H.P.

T. J. Arnall
T.J. Arnall,
Engineer, D.P.W.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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Public Building,
Victoria, B.C.

Date: **August 9th, 1935.**

Mr. C.F. Dawson,
Dist. Resident Architect,
Dept. Public Works, Canada,
Victoria, B.C.

Dear Sir:

I beg to report that I have this day inspected the Machinery
owned by the DEPARTMENT of: **Indian Affairs**
and located at: **Indian Residential School, Alert Bay.**
and have found it in the following condition:

Fire Pumps.
Condition: **Very Good**

Condensate Pumps.
Condition: **None**

Boiler Feed Pumps.
Condition: **None**

Vacuum Pumps.
Condition: **None**

Electric Lighting Plants.
Condition: **Good**

Laundry Machinery.
Condition: **Now being overhauled and changed.**

Steam Engines.
Condition:

Gasoline Engines.
Condition: **Good**

Diesel Engines.
Condition: **Good**

REMARKS:

Plant is very well kept.
Coil should be installed in boiler smoke front to provide
an additional supply of domestic hot water, this will
allow the jacket heater to be closed down during the
firing season, approximately cost \$ 100.00.

T. J. Small
Engineer, D.P.W.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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DEPARTMENT OF PUBLIC WORKS OF CANADA.

Certificate of Inspection of Steam Boilers.

This Certificate expires August 6th, 1936

I hereby certify that I have this day inspected
the steam boilers No. 44067 B.C.

St. Michaels Indian School, Alert Bay, B.C.
of

in the Province of British Columbia, where the
Mr. T. J. Small - Engineer
....., is in
charge, and having carefully examined the said steam
boilers have found the same in Good

condition, and, therefore, authorize a steam pressure
10 lbs.
ofpounds per square inch and
no more.

Dated this 7th day August, 1936

Type of Boilers Cast Iron Sectional

Horse-power 21

Inspection No. 1936

T. J. Small
J. T. Small

.....
Engineer, D.P.W.
Victoria, B.C.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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DEPARTMENT OF PUBLIC WORKS OF CANADA.

Certificate of Inspection of Steam Boilers.

This Certificate expires
~~August 31st, 1936.~~

I hereby certify that I have this day inspected
the steam boilers No.
of ~~St. Michael's Indian School, Alsea Bay, B.C.~~
in the Province of British Columbia, where the
~~Mr. J. H. ...~~, is in
charge, and having carefully examined the said steam
boilers have found the same in
condition, and, therefore, authorize a steam pressure
of pounds per square inch and
no more.

Dated this day
~~31st~~ August, 1936.

Type of Boilers ~~Steel Tubular "Inch" type~~

Horse-power ~~40.1~~

Inspection No. ~~1000~~

T. J. Arnall
T. J. Arnall

.....
Engineer, D.P.W.
Victoria, B.C.

Indian Affairs. (RG 10, Volume 6428, file 875-5, part 4)

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