

Brandon, May 29 1945

M. Dept. of Mines & Resources

Indian Affairs Branch

IN ACCOUNT WITH

Indian Residential School

G. T. SMITH Brandon

Electrical Contractor

Light Fixtures

Conduit Installation

General Wiring and Repairs

PHONE 3516

882 EIGHTH ST.

Installing wiring for mangle.

4' - #3/14 wire cable @ 10	.40
6 rawl plugs & screws @ 4	.24
5 - 1/2" clips & screws @ 3	.15
30' - 1/2" pipe @ 15	4.50
4 - 1/2" locknuts @ 2	.08
2 - 1/2" bushings @ 2	.04
105' - #14 R.C. wire @ 142	1.58
2 - BX connectors @ 8	.16
1 - 1/2" LK & cover	.55
4 toggle bolts @ 10	.40
1 - 3/4 galv. nipple	.16
2 - 3/4 bushings @ 4	.08
4 - 3/4 locknuts @ 3	.12
1 - 30 A 3 phase switch	9.30
1 copper grd. strap	.15
3 - 30 A cart. fuses @ 10	.30
6' - #10 R.C. wire @ 3 1/2	.21
solder paste & tape	.50
labor	8.50
	<u>27.42</u>

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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CANADA

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Brandon, May 30 1945

in Dept. of Mines & Resources

Indian Affairs Branch
Indian Residential School

IN ACCOUNT WITH

G. T. SMITH

Brandon.

Electrical Contractor

Light Fixtures Conduit Installation General Wiring and Repairs

PHONE 3316

862 EIGHTH ST.

Installing 4 plugs & 2 pilot lights
controlled by master switches.

4 - handy boxes @ 27	1.08
4 - " plug covers @ 15	.60
4 - duplex plugs @ 25	1.00
24 - 1/2" locknuts @ 2	.48
17 - 1/2" bushings @ 2	.34
6 - 1/2" clips & screws @ 3	.18
86' - #14 R.C. wire @ 1 1/2	1.29
8 - sawdust plugs & screws @ 4	.32
8 - toggle bolts @ 10	.80
2 - 3/4 K.O. boxes @ 25	.50
2 - 4" duplex receptacles @ 40	.80
2 - 1/2" galv. nipples @ 14	.28
4 - 1/2" FR's + covers @ .55	2.20
1 - 30 A switch	2.60
2 - plug fuses @ 5	10
25 ft. - 1/2" conduit @ 15	3.75
solder paste & tape	.35
labor	7.50

24.07

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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DEPARTMENT OF MINES AND RESOURCES

INDIAN AFFAIRS BRANCH

TREASURY ONLY

CHEQUE No.
DATE

Pay to G.T. Smith.
Address 862 Eighth Street.
Brandon.
Manitoba.

DATE	SERVICE	AMOUNT
June 4.1945.	To services rendered as per invoices attached. Re installation of Flat Work Ironer.	\$27---42--
June 4.1945.	To services rendered as per invoices attached. Authority 133-0-5 January 31.1945. reference Fire Inspection report.	\$24---07--
		\$51---49--

TRIPPLICATE FOR FILE
Voucher in duplicate attached
for Accountant to pay

I HEREBY CERTIFY that this Voucher is correct, that the material has been supplied, the work performed and that the charges are fair and just, also that the expenditure has been incurred legitimately and that each item of the same is a fair and just charge against the Government of Canada. This expenditure was authorized by Departmental Letter, File No. dated

FORM No. I.A. 506
Req. 1876

Olin Straff
Principal Agent

VOUCHER No. 8.

DATE June 4.1945.

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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MONTREAL

WINNIPEG

CALGARY

VANCOUVER



145 MARKET AVE. EAST.

WINNIPEG, CANADA.
(HEAD OFFICE)

May 31 1945

TO **STANLEY BROCK LIMITED** DR.

SOLD TO Department of Mines & Resources,
Indian Affairs Branch,
Ottawa, Ontario.

C.S. No. 604

TERMS (Indian Residential School, Brandon, Man.) INVOICE NO. W 7545

QUANTITY	YOUR ORDER No. _____ YOUR REQ'N No. _____	PRICE	AMOUNT	TOTAL
1	Steam Trap	13.25		\$13.25
1	Switch	N/C		
	For 2 Roll F. W. Ironer			

7791-40

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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THE
J. H. ASHDOWN HARDWARE CO., LIMITED

Interest 10 per cent charged on all Overdue Accounts
No Claims for Shortage will be allowed unless made
within 5 Days after receipt of Goods.
GOODS IN TRANSIT AT RISK OF
PURCHASER



WINNIPEG, CANADA

RETURNED GOODS
No Goods may be returned without our permission.
Goods returned by permission that have been furnished
correctly on customer's order may be credited Less 10%.
ALL GOODS F.O.B. WAREHOUSE

Order No. **3634** Invoice No. **40463**
Terms **3634** Shipped **40463** Date **JUNE 14/45/1945**
DOMINION GOVERNMENT DEPT OF MINES &
RESOURCES,
REV O B STRAPP PRINCIPAL
INDIAN RESIDENTIAL SCHOOL
BRANDON, MAN

KINDLY GIVE DATE AND INVOICE NO. IF WRITING ABOUT GOODS
HEREON.

QUANTITY	DESCRIPTION	PRICE	GROSS AMT. LIST	2% GOODS	NET GOODS
1	ONLY # 12 AIRCOLATOR FAN COMPLETE WITH SHUTTERS	43 40		43 40	

150M

EXCLUSIVE DISTRIBUTORS OF *Kyanize* VARNISHES AND ENAMELS

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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DEPARTMENT OF MINES AND RESOURCES

INDIAN AFFAIRS BRANCH

TREASURY ONLY

CHEQUE No.

DATE

Pay to..... **J.H. Ashdown Hardware Coy. Ltd.**

Address..... **Winnipeg.**

..... **Manitoba.**

DATE	SERVICE	AMOUNT
June 30, 1945.	To goods supplied as per invoice attached;	\$43.--40--

TRIPPLICATE FOR FILE
 67.48
 VOUCHER (if duplicate detached
 for Accountant to new)

I HEREBY CERTIFY that this Voucher is correct, that the material has been supplied, the work performed and that the charges are fair and just, also that the expenditure has been incurred legitimately and that each item of the same is a fair and just charge against the Government of Canada. This expenditure was authorized by Departmental Letter, File No. dated **File 58732-15-20-1 June 6th 1945**

FORM No. I.A. 506

Req. 1876

BRANDON INDIAN RESIDENTIAL SCHOOL

VOUCHER No. **12**

DATE

[Signature]
June 30/45

Principal

Age

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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DEPARTMENT OF MINES AND RESOURCES

PURCHASE ORDER

NO. 3634
THIS ORDER NO. TO APPEAR ON ALL PACKAGES AND INVOICES.

OTTAWA

June 6/45

FILE NO.

58732-15-20-1

TO **J.H.Ashdown Hardware Co. Ltd.,
Winnipeg, Man.**

PLEASE FURNISH THE FOLLOWING MATERIALS AND CHARGE TO THE DEPARTMENT OF MINES AND RESOURCES.

SHIP TO **Rev. O.B.Strapp, Principal, Indian Residential School,
Brandon, Man.**

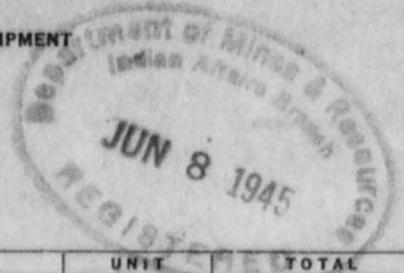
F.O.B. QUOTATION OF

May 28/45

RENDER A SEPARATE INVOICE FOR EACH ORDER AND SEND

COPIES AFTER SHIPMENT

TO **Consignee**



QUANTITY	DESCRIPTION	UNIT	TOTAL
1	<p>only exhaust fan for laundry room</p> <p>Bucket blade - ventilator type, your V312 12" blade voltage 110-220 - 95 watt - 60 cycle A.C. R.P.M. 1000 Overall dimensions - diam. 16" depth 9 5/16"</p>		\$43.40
<p>Sales tax included at 5%</p> <p>Terms 2% - 30 days.</p>			

Notes

WAV/HC	VOTE	PRIMARY	OBJECT	ENCUMB. NO.	DELIVERY REQUIRED BY
	76	10	681	397	<u>At once.</u>

CERTIFIED IN ACCORDANCE WITH SECTION 29 OF THE CONSOLIDATED REVENUE AND AUDIT ACT 1931.

FOR COMPTROLLER OF THE TREASURY. PURCHASING AGENT

R 2007 TO BE RETURNED TO HEAD OF BRANCH SEE REVERSE SIDE

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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CANADA

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133-0-5
The Indian Residential School

Phone 2838



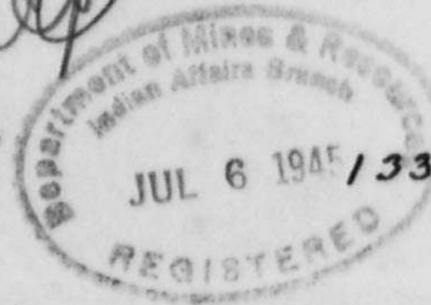
Brandon, Manitoba

DEPARTMENT OF MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

THE UNITED CHURCH OF CANADA
REV. O. B. STRAPP, PRINCIPAL

The Secretary.
Indian Affairs Branch.
Ottawa.
Ontario.

July 3, 1945.



May 24 1945

Dear Sir;

Herewith please find tender for repairs and replacements to the eavestroughing on the Barns and residence at this school.

Mr. Hamilton advised me to forward direct to your office as he expected to be in the North attending Treaty Pay.

I beg to advise that it will be necessary to do some repairs to the woodwork before it will be possible to replace some of the eavestrough and suggest that the grant of \$50.00 suggested for lumber be made available as soon as possible.

I remain,

Yours truly,

O. B. Strapp
Principal.

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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McDOWELL & DOKE

Tinsmiths, Heating and Ventilating

ALL ESTIMATES FREE

115 NINTH STREET

BRANDON, MAN. June 19/45.



Rev. B. O. Strapp
Industrial School
Brandon Man.

Dear Sir.

WE are pleased to quote as follows
To to put eave troughs and conductor piping
on the barns and your residence.

Trough and piping on West barn will cost.	\$41.35.
" " " " South " " "	\$64.30.
" " " " North " " "	\$33.80.
and to trough the house will cost	\$140.00.

WE trust we may be favored
with this work.

Yours Truly
McDowell & Doke
Per. *h h m Danell*

4 339.45

PEASE ECONOMY
FURNACES

FURNACES CLEANED
BY VACUUM GIVE
BEST RESULTS

RADIATORS REPAIRED
RECORDED AND CLEANED

EAVESTROUGHS,
CISTERNS, CISTERN
PUMPS, VENTILATORS

BARRETS AND JOHNS
MANVILLE TAR AND
GRAVEL ROOFS

HAVE CONDITION AIR
AND KEEP HEALTHY

DE LAVAL CREAM
SEPERATORS AND PARTS

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

PUBLIC ARCHIVES

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Ottawa, July 12, 1945.

Reverend Sir:

With reference to your letter of the 3rd instant, it is noted that McDowell & Duke are prepared to supply material and labour for eaves-troughing and piping on the barn and residence at the Brandon Indian Residential School for \$339.45. You may arrange to have this work done immediately.

The Department also approves an expenditure of \$50.00 for lumber for minor repairs.

Yours very truly,

Philip Phelan,
Chief, Training Division.

Rev. O. B. Strapp,
Principal,
Indian Residential School,
Brandon, Man.

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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BRANDON, MAN.

June 30

1945

Sold to

Indian Residential School

Brandon, Man.

Refrigeration Service

S. EVANS

REPRESENTATIVE OF

CANADIAN GENERAL ELECTRIC CO. and BELL REFRIGERATOR CO.

REPAIRS TO ALL MAKES OF REFRIGERATORS

Phone 3099

Box 113

June 6	Rep. chilling unit & chg. with gas	9 00
	3 1/2 lbs gas	4 30
	1 shut-off valve	5 50
	2 1/4" flared couplings	60
		<u>19 40</u>

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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DEPARTMENT OF MINES AND RESOURCES

INDIAN AFFAIRS BRANCH

TREASURY ONLY

CHEQUE No.....
DATE.....

Pay to... **S. Evans. Refrigerator Service.**
Address... **Brandon.**
Manitoba.

DATE	SERVICE	AMOUNT
July 3. 1945.	To services rendered as per invoice attached.	\$19-40
<p>This was an emergency. Gas was leaking from one of the coils and filling the basement.</p>		
<p>TRIPPLICATE FOR FILE 12.1.45 Voucher in duplicate detached for Accountant to pay.</p>		
		\$19-40

I HEREBY CERTIFY that this Voucher is correct, that the material has been supplied, the work performed and that the charges are fair and just, also that the expenditure has been incurred legitimately and that each item of the same is a fair and just charge against the Government of Canada. This expenditure was authorized by Departmental Letter, File No..... dated.....

BRANDON INDIAN RESIDENTIAL SCHOOL

FORM No. I.A. 506
Req. 1876

G. B. Strath
Principal Agent
DATE *July 3rd 1945*

VOUCHER No. *13*

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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BRANDON PHONE
CARTAGE DEPT. PHONE
2351

HEAD OFFICE: 151 SEVENTH ST.
BRANDON, MANITOBA

REGINA OFFICE:
1245 OSLER ST.
PHONE 92030

WINNIPEG OFFICE:
COR. McDERMOT AND JUNO
PHONE 24341

Dept. **Mines & Resources, Indian Affairs Branch,** June 11th, 1945

Winnipeg, Manitoba.

IN ACCOUNT WITH

MACARTHUR AND SON LTD.

HIGHWAY TRANSPORTATION

50 MODERN FREIGHT
VEHICLES
AT YOUR SERVICE

CARGO INSURANCE
CARRIED

DATE	REF. NO.	PIECES	WEIGHT	RATE	FROM OR TO	FOLIO	CHARGES
May 12					To placing laundry machine in basement of Indian Residential School, ex Stanley Brook Ltd. Freight paid by shipper.		\$ 28.00

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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DEPARTMENT OF MINES AND RESOURCES

INDIAN AFFAIRS BRANCH

TREASURY ONLY

CHEQUE No.

DATE

Pay to..... **McArthur & Sons. Ltd.**.....

Address..... **Brandon.**.....

..... **Manitoba.**.....

DATE	SERVICE	AMOUNT
	EX'D.	
July 10, 1945.	To services rendered as per account attached.	28-----00--
	Special equipment was necessary to place this machine in the laundry room because of its size and weight.	
	<p>TRIPPLICATE FOR FILE Voucher in duplicate attached for Assistant to pay.</p>	
		28-----00--

I HEREBY CERTIFY that this Voucher is correct, that the material has been supplied, the work performed and that the charges are fair and just, also that the expenditure has been incurred legitimately and that each item of the same is a fair and just charge against the Government of Canada. This expenditure was authorized by Departmental

Letter, File No. dated

BRANDON INDIAN RESIDENTIAL SCHOOL

FORM No. I.A. 506

Req. 1876

VOUCHER No. 14

DATE July 10 / 45

Principal Agent

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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S. EVANS

Telephone 2046

J. H. LEESE

Refrigeration Service

- Commercial and Domestic
- Sales and Installation
- Repairs To All Makes
- Locker Plants
- Estimates On Request

Post Office Box 113

Brandon, Manitoba. Aug 31

1945

To Indian Residential School
Brandon, Man.

DATE	PARTICULARS	Folio	DEBIT AMOUNT	CREDIT AMOUNT	BALANCE
Aug 29	To servicing refriq. & replacing gas etc 8 lbs. SO ₂		4.00 10.00 <u>14.00</u>		

Certified
BRANDON INDIAN RESIDENTIAL SCHOOL
O. B. Strapp. Principal

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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DEPARTMENT OF MINES AND RESOURCES

INDIAN AFFAIRS BRANCH

TREASURY ONLY

CHEQUE No.

DATE

Pay to S. Evans Refrigeration Service

Address Brandon.

Manitoba.

DATE	SERVICE	AMOUNT
Sept. 4, 1945.	To repairs and material as per invoice	\$14--00--
	This was an emergency caused by a gasket blowing out under pressure.	
		\$14--00--

EX'D
A

TRIPPLICATE FOR FILE
Voucher in duplicate detached
for submission to Dept.

Handwritten: 14 145

I HEREBY CERTIFY that this Voucher is correct, that the material has been supplied, the work performed and that the charges are fair and just, also that the expenditure has been incurred legitimately and that each item of the same is a fair and just charge against the Government of Canada. This expenditure was authorized by Departmental Letter, File No. dated
BRANDON INDIAN RESIDENTIAL SCHOOL

FORM No. I.A. 506

Req. 1876

Handwritten Signature: O. Blarapp

Principal Agent

VOUCHER No. 15

DATE Sep 4 - 1945

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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Report of Boiler Inspection

Provincial Number of Boiler

Date Inspected Aug 31/45 Report Number 126

Location of Boiler Indian School Brandon

Owner or Agent Dept of Indian Affairs

Address Winnipeg

Type of Boiler Firebox Horse Power 30

Name of Manufacturer R. Bell Year Built

Manufacturer's Number 2 Owner's Number 2

Length 9 Diameter 54

Hydrostatic Pressure Applied Internal Pressure Allowed 30

Name and Cert. No. of Engineers in Charge

Safety Valves Good Water Column Good

Blow down Good Gauges Good

11 one flue to be renewed.

The flues in this boiler are pitted and should be renewed.

otherwise boiler in Good Condition

Certificate will be issued on completion of work and payment of fee.
 Amount of fee \$ 30%

PLEASE MAKE ALL MONEY ORDERS AND CHEQUES PAYABLE TO
 DEPARTMENT OF LABOR, LEGISLATIVE BUILDINGS, WINNIPEG.
 (ONLY CHEQUES MARKED BY BANK ACCEPTED.)

Inspector E. Moodie

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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Report of Boiler Inspection

Provincial Number of Boiler.....
 Date Inspected Aug 31/45 Report Number 125
 Location of Boiler Indian School Brandon
 Owner or Agent Dept of Indian Affairs
 Address Winnipeg
 Type of Boiler Vert. Horse Power.....
 Name of Manufacturer No Record. Year Built.....
 Manufacturer's Number..... Owner's Number.....
 Length 6 Diameter 30
 Hydrostatic Pressure Applied Internal Pressure Allowed 70 lbs
 Name and Cert. No. of Engineers in Charge.....

Safety Valves L Water Column Good
 Blow down Good Gauges Good

- 1) New 1 1/2 inch safety valve to be installed
- 2) Boiler to be equipped with a 1/2 inch feed water injector
- 3) Top flange head has deteriorated, if a higher pressure is required than 70 lbs a new head, would have to be installed
- 4) Would recommend that this boiler be replaced by a new boiler as it is not large enough for handle the new machinery that has been installed in laundry

Certificate will be issued on completion of work and payment of fee.

Amount of fee \$ 5.00

PLEASE MAKE ALL MONEY ORDERS AND CHEQUES PAYABLE TO
 DEPARTMENT OF LABOR, LEGISLATIVE BUILDINGS, WINNIPEG.
 (ONLY CHEQUES MARKED BY BANK ACCEPTED.)

Inspector E. Meade

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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Report of Boiler Inspection

Provincial Number of Boiler.....
 Date Inspected Aug 31/45 Report Number 127
 Location of Boiler Indian School Brandon
 Owner or Agent Dept of Indian Affairs
 Address Winnipeg
 Type of Boiler Firebox Horse Power 30
 Name of Manufacturer R. Bell Year Built.....
 Manufacturer's Number..... Owner's Number 1
 Length 9 Diameter 54
 Hydrostatic Pressure Applied Internal Pressure Allowed 30
 Name and Cert. No. of Engineers in Charge.....

Safety Valves Good Water Column Good
 Blow down Good Gauges Good

Nibble in blow down line to be removed.

General Condition

Good

Certificate will be issued on completion of work and payment of fee.

Amount of fee \$ 3.00

PLEASE MAKE ALL MONEY ORDERS AND CHEQUES PAYABLE TO DEPARTMENT OF LABOR, LEGISLATIVE BUILDINGS, WINNIPEG. (ONLY CHEQUES MARKED BY BANK ACCEPTED.)

Inspector Moodie

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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DEPARTMENT OF MINES AND RESOURCES

INDIAN AFFAIRS BRANCH

TREASURY ONLY

CHEQUE No.
DATE.....

Pay to..... Department of Labor.
Address..... Legislative Building.
Winnipeg.
Manitoba.

DATE	SERVICE	AMOUNT
September 11, 1945.	To Inspection of Heating Plant and High Pressure Boiler.	
	L.P. Boiler #1	\$3---00--
	L.P. Boiler #2	3---00--
	H.P. Boiler #3	5---00--
		\$11---00--

576-76-06-152
7-9-45
THIS DATE FOR FILE IN
voucher duplicate detached
for Accountant to pay.

I HEREBY CERTIFY that this Voucher is correct, that the material has been supplied, the work performed and that the charges are fair and just, also that the expenditure has been incurred legitimately and that each item of the same is a fair and just charge against the Government of Canada. This expenditure was authorized by Departmental

Letter, File No. dated Annual Inspection. BRANDON INDIAN RESIDENTIAL SCHOOL

FORM No. I.A. 506
Req. 1876

VOUCHER No. 17

DATE Sep 11 / 45 *[Signature]* Agent

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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133-0-5
The Indian Residential School

Phone 2838



Brandon, Manitoba

DEPARTMENT OF MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

THE UNITED CHURCH OF CANADA
REV. O. B. STRAPP, PRINCIPAL

[Handwritten signature]
The Secretary.
Indian Affairs Branch.
Department of Mines & Resources.
Ottawa. Ontario.



September 11.1945.

Dear Sir;

Herewith please find accounts for the annual inspection of the boilers in this school.

Your attention is especially directed to the report on the upright high pressure boiler used for the laundry. In discussing this matter with the inspector, Mr. Moodie, I find that he is of the opinion that the head of this boiler may have to be renewed within the next year. The deterioration of the head has resulted in the necessity for the frequent expansion of the tubes to stop leakage with a resultant thinning of the tubes at the head.

May I have immediate authority for Messrs. Yates & Coy. to proceed with the other repairs mentioned as they are necessary before firing the boilers.

Yours truly,

[Handwritten signature: O. B. Strapp]

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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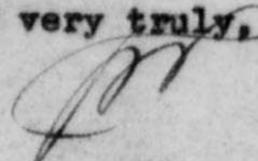
Ottawa, September 15, 1945.

Reverend Sir:

With reference to your letter of the 11th instant, you may arrange for the repairs required to the boilers at the Brandon Residential School. I enclose copies of the Inspector's reports.

It is expected, of course, that the cost will be kept as low as possible.

Yours very truly,


Philip Phelan,
Chief, Training Division.

Encl.

Rev. O. B. Strapp,
Principal,
Indian Residential School,
Brandon, Man.

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

PUBLIC ARCHIVES

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532 Dominion Public Bldg.,
WINNIPEG, August 21, 1945.

Re:- Water Supply - Brandon Indian Residential School;
Brandon, Manitoba.

As originally designed and installed in 1929 the water supply system at this school was quite simple and except in case of fire the operation was automatically controlled. It was realized that the quantity of water available from the reservoir was limited and conservation of water would be necessary. Of the estimated daily usage of 5,000 gallons, about 4,000 gallons were supplied by gravity to the barns, kitchens, laundry, children's showers and toilets, the boilers and hot water heaters. The other services on the main floor and the floors above were supplied through the pressure tank system. This system consisted of a 2 H.P. motor direct connected on the same shaft to a 1,000 g.p.h. typhoon pump connected with a 1200 gallon pressure tank which ordinarily supplied water to the services at pressure varying from 40 lbs. to 80 lbs; the operation of the pump being controlled by automatic pressure regulator. An air compressor was installed to maintain the required air pressure in the tank and safety valves were also included. The 15 H.P. Motor driven centrifugal pump was installed for fire and emergency use only.

The system worked very well until 1939 when the lessening water supply necessitated the tapping of an auxiliary water supply and in 1940 a pipe line was laid from a newly constructed reservoir at a higher spring some 1500 feet distant. This new work was not laid out or constructed by this office and we are not familiar with the alteration made in connection with the water supply services. It appears, however, that this upper reservoir supplied a gravity head of about 25 lbs. pressure and so eliminated the necessity for pump operation entirely and the piping was changed accordingly. This necessitated the installation of several more valves throughout the water system and as long as water supply met the water demand the system was very satisfactory. It would also appear that with the advent of the complete gravity system the use of water increased and the pumping installation was permitted to deteriorate.

During the past winter and probably during the past two or three winters, there were times when the demand for water exceeded the supply and the pressure became inadequate to supply services. To overcome this deficiency the school management had to fall back on the water supply of the lower reservoir and pumping had to be resorted to. The Typhoon Pump was out of order and the large pump had to be operated without benefit of automatic control. To maintain a water supply all night under these conditions would have necessitated the engineer remaining on the job. The failure of the water supply referred to by the present Principal of the school was a result of the method of operation rather than from any shortage of water in the reservoirs. The many valves in the system, while apparently placed of necessity, rather added to the difficulty of operation when a switch from the gravity supply to pumping became necessary.

T. S. Mills, Esq.,
Chief Engineer,
Engineering and Construction Service,
Department of Mines and Resources,
Ottawa, Canada.

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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The situation at the school was investigated on two occasions this summer by engineers from this office. Both visits happened to follow heavy rains and the water supply was abundant with overflow from the springs forming little streams. There have been staff changes and the present staff is conversant only with conditions as existed last winter. It is difficult to understand the complaints as to shortage of water at night with the gravity system - a period of low usage of water. With severe frosty nights there may have been sufficient lowering of pressure to affect the water supply on the top storey of the building. Whatever the trouble it is desirable that it be eliminated and that the pumping operations be made as inexpensive, simple and automatic as possible.

The water supply system in the school worked satisfactorily from 1929 to 1939 and it is proposed to return to that system in principle. The basement distribution system which includes the barns and outside services will be supplied by gravity from both the high and low reservoirs at pressures of about 25 lbs. and 6½ lbs., respectively. Water will flow from the lower reservoir only when the supply fails from the upper reservoir. The other floors of the building will be supplied by a pressure system varying from 30 lbs. to 60 lbs., through the pressure tank and supplied by pumping from the gravity supply. The use of water at the school is estimated by the Principal to be about 13,000 gallons daily which appears to be a high rate of use. However, about 80% of this usage will be supplied by gravity.

The Principal of the School has suggested that a 2,000 gallon per hour pump be installed and the system of valves amplified. The 1,000 g.p.h. pump now installed needs thorough overhauling and probably replacement, although I believe \$60.00 was recently spent upon the motor. If the pump has to be replaced it is suggested that a 1,000 g.p.h. pump is adequate but as pumping noises have always caused complaints in the school, a 2,000 g.p.h. pump should reduce the periods of annoyance 50%. A new pressure switch must be installed. The use of the large pump must be limited to fire and emergency use. It appears that the small pump is now utilized to feed water to the high pressure steam boiler. If such is the case the practice should be discontinued and the high pressure steam boiler fed from the source originally connected to.

Recommendations:

It is recommended that the Typhoon Pump be removed and be examined by a competent machinist to determine whether it should be completely overhauled or replaced and his advice be acted upon. The water distribution system should be altered so as to restore the original idea of having all services above the main basement floor supplied by a pressure tank system. Unnecessary valves should be removed and check valves installed where necessary to provide the combined gravity and pressure system. The whole distribution system should be thoroughly gone over to eliminate the present excessive leakage and waste of water. Provision should be made for using the large centrifugal pump in the system but only as a standby for water supply and for fire protection.

We are unable to give any reasonable estimate of the probable cost of carrying out the work involved in the above outlined suggestions. The work involved is more or less in the nature of maintenance work and the extent of the work will be governed to a considerable degree by what is discovered as the job progresses.

(Sgd.) D.B. Gow,

District Chief Engineer.

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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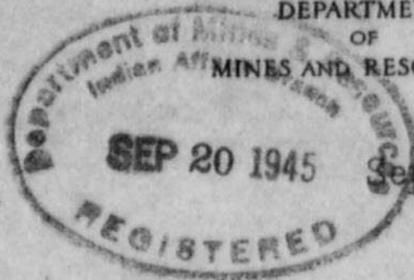
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DEPARTMENT
OF
MINES AND RESOURCES

SURVEYS AND
ENGINEERING BRANCH

133-2-5

[Handwritten signature]



September 19th, 1945.

Mr. Hoey

Re: Water Supply, Brandon Indian Residential School

With reference to your memorandum of May 17th last, relative to the above, I am enclosing for your information, copy of a letter dated August 21st from Mr. D.B.Gow, outlining the water situation and recommending what work should be undertaken to put the water system at the school on a more workable and economical basis.

[Handwritten initials]

Mr. Gow's recommendations are concurred in, and it is considered that if funds are available, the work should be authorized and put in hand as soon as possible.

In reply to an inquiry for an estimate of cost, Mr. Gow states:-

"Appears impossible to purchase new pump for Brandon School this year STOP Suggest shipping pump to Winnipeg for examination and overhauling if condition permit of same STOP Can give no reasonable estimate on cost of carrying out recommendation but it would not be less than \$500.00 or more than \$1,000.00, probably \$600.00. However, we want no limitation of authority under the maximum above mentioned."

If you wish us to undertake this work, will you kindly arrange for the transfer of \$1,000 to our Engineering and Construction Service for the purpose. It is possible that a smaller amount may be sufficient but a close estimate is impossible until the work is undertaken.

J. M. Wadell
Director.

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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Ottawa, 21st September, 1945.

Reverend Sir:

On receipt of your Annual Report for the fiscal year ending March 31st, 1945, I communicated with the Surveys and Engineering Branch with regard to the water supply at the Brandon Indian Residential School.

I enclose for your information a copy of Mr. Gow's report. At the present time it appears impossible to purchase a new pump, consequently the only action we can take is to ship the present pump to Winnipeg for examination and overhauling.

We are transferring an amount of \$1,000.00 to the Surveys and Engineering Branch in order that they may carry out, at the earliest possible date, the recommendations contained in Mr. Gow's report.

Yours very truly,

Philip Phelan,
Chief, Training Division.

Rev. O.B. Strapp,
Principal,
Indian Residential School,
Brandon, Manitoba.

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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Ottawa, 21st September, 1945.

Memorandum:

DIRECTOR OF SURVEYS AND ENGINEERING BRANCH

Re: Water Supply - Brandon Indian
Residential School, Brandon, Man.

I received your memorandum of the 19th instant enclosing report from Mr. D.B. Gow, in which he states that he considers the water supply at the above school could be improved at an approximate cost of \$1,000.00.

The Representative of the Treasury is being requested to transfer this amount to you.


Acting Director.

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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EXD.

Ottawa, 21st September, 1945.

Memorandum:

REPRESENTATIVE OF THE TREASURY

Please transfer the amount of \$1,000.00 to the Surveys and Engineering Branch. These funds are required for the urgent repairs to the water supply system at the Brandon Indian Residential School.

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Acting Director.

Indian Affairs. (RG 10, Volume 6257, file 576-5, part 8)

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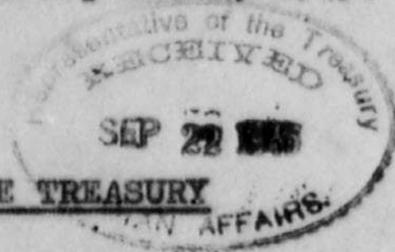
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Ottawa, 21st September, 1945.

Memorandum:

REPRESENTATIVE OF THE TREASURY



Please transfer the amount of \$1,000.00 to the Surveys and Engineering Branch. These funds are required for the urgent repairs to the water supply system at the Brandon Indian Residential School.

P.P.

Acting Director.

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