THIRTY-FIRST ANNUAL REPORT

OF THE

PROVINCIAL INDUSTRIAL SCHOOL FOR BOYS

OF THE PROVINCE OF

BRITISH COLUMBIA

APRIL 1ST, 1934, TO MARCH 31ST, 1935

PRINTED BY
AUTHORITY OF THE LEGISLATIVE ASSEMBLY.

VICTORIA, B.C.:
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1935.

To His Honour J. W. FORDHAM JOHNSON,
Lieutenant-Governor of the Province of British Columbia.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present the Thirty-first Annual Report of the Provincial Industrial School for Boys for the year ended March 31st, 1935.

G. M. WEIR,
Provincial Secretary.

Provincial Secretary's Office,
Victoria, B.C.

PROVINCIAL INDUSTRIAL SCHOOL FOR BOYS,
PORT COQUITLAM, B.C.

The Honourable G. M. Weir,
Provincial Secretary, Victoria, B.C.

SIR,—I have the honour to submit herewith Annual Report of the Provincial Industrial School for Boys, covering the fiscal year April 1st, 1934, to March 31st, 1935.

I have the honour to be,
Sir,
Your obedient servant,

F. C. BOYES,
Principal of the Provincial Industrial School for Boys.

DEPARTMENT OF PROVINCIAL SECRETARY.

HON. G. M. WEIR, *Provincial Secretary.*

P. WALKER, *Deputy Provincial Secretary.*

BOYES, F. C., *Principal.*

MERILEES, W. L., *Vice-Principal.*

WALDON, Mrs. M. E., *Secretary.*

WORKMAN, Miss E., *Storekeeper.*

HENDERSON, J., *Tailor Instructor.*

OSBORN, J., *Shoemaker Instructor.*

STEWART, D. R., *Carpenter Instructor.*

McDOWELL, J., *Farm Instructor.*

SCOTT, W. J., *Engineer and Plumber.*

MUNRO, D. W., *Poultryman.*

PECK, Miss A., *Teacher.*

BLAGBURN, E. W., *Teacher.*

PROVINCIAL INDUSTRIAL SCHOOL FOR BOYS.

PRINCIPAL'S ANNUAL REPORT.

The Honourable G. M. Weir,
Provincial Secretary, Victoria, B.C.

SIR,—In submitting this, the Thirty-first Annual Report of the Boys' Industrial School, I feel that little attention need be paid by me to the various details of operation, since these will be dealt with by the various reports from members of the staff. I shall, instead, point out a few of the major changes of policy which have been made and mention some of the results obtained therefrom.

Realizing that this institution as constructed could not be used as a gaol, I deliberately planned to use it as a school. Fear of "escapes" had dominated the waking hours of all members of the staff and had made them irritable and suspicious towards the boys and towards each other. Because of this eternal watchfulness the "escape" became a heroic episode, and the newcomer was urged to undergo his initiation by attempting to escape. Many made the attempt and some succeeded.

It has been an uphill struggle to change the attitude of the staff and the boys along this one line. In the first place, the word "escape" is a misnomer when used in connection with this institution as it now exists. A walk-out is a better term. There are no heroics attached to it, and the boys are gradually seeing that it is rather a cowardly thing to run when no one chases you and to break a trust reposed in you. True, we have had departures, but in nearly all cases they have returned of their own volition, and in only four cases have they engaged in petty thefts while away without leave.

When we remember that the average mental age of this group is around 11 years and that many are only 9, it can be readily understood that some of the latter group will hardly be able to tell you what they are going to do next, since they do not know. They will wander unless locked up securely and such a procedure kills all possibility of teaching citizenship.

Another change which we have attempted with some success was the giving of all our boys short courses in the various shops. Here and there we have struck sparks, and by following the leads thus discovered we may be able to start some of our boys on the road to a real knowledge of a trade.

In carrying on this work the instructor is given the mental rating of his charges and is shown the boys to whom very special and detailed instruction must be given for the simplest operation. With this knowledge in their possession, the men on the staff have made amazing progress and their kindness and patience towards extreme cases cannot be too highly commended.

In our play activities we have broadened our field and have included individual and group games, fishing, hiking, and any other form of sport such as skiing and tobogganing in season. All boys must take part in physical exercises and in one or other of these sport activities. At first we experienced some difficulty in arousing interest in group games. This was hard to overcome and with most of our newcomers the same difficulty is experienced. These lads are individualists and the lesson of team play is a real problem. We have persevered until to-day we have had every boy in one or more team game schedules, and nearly all learn to like one or other of the games played.

The cultural end of our programme is still too lean. School-work for the young boys and nothing beyond a few books for the older boys is not likely to lay a very broad foundation of culture. More attention must be paid to music, art, and dramatics. To find men qualified to lead in this work is difficult, but from the few attempts which we have made to date it seems that any effort along these lines will be well repaid. We could not expect to produce artists, but we could develop a real appreciation of things artistic.

During the year several concert parties have paid us visits and their efforts have been greatly appreciated. The Elks' Club sent us tickets for the Flag Day celebration at the Vancouver Exhibition. A bus was sent and the boys thoroughly enjoyed their trip. The

Kiwanis Club kindly sent us tickets for their spring play, " The Red Mill," and the boys were delighted with the very excellent performance. Such a play they may not have an opportunity of seeing again for years to come.

Church services have been held regularly each Sunday afternoon, groups from the Salvation Army, Sapperton Baptist, Apostolic Faith, and the Oxford Group taking a Sunday each month in the order named.

May I, in closing, thank you, Sir, and the members of the staff of your Department, and of other Government departments with whom I have had dealings during the past year, for the kind and courteous manner in which I have always been received and for the prompt and efficient way in which my requests have been granted.

I have the honour to be,
Sir,
Your obedient servant,

F. C. BOYES,
Principal.

MOVEMENT OF POPULATION, APRIL 1ST, 1934, TO MARCH 31ST, 1935.

On roll, March 31st, 1934		75
Boys admitted during year, March 31st, 1934, to March 31st, 1935		50
		125
Released as wards of Juvenile Court	39	
Completed sentence	14	
Transferred to Oakalla	1	
Transferred to Essondale	3	
Dropped from roll	3	
	—	60
Total in school, March 31st, 1935		65

LIST OF BOYS IN SCHOOL, MARCH 31ST, 1935.

No.	Place of Birth.	Parentage.	Residence previous to being admitted to School.	
			British Columbia.	Canada.
			Years.	Years.
966	New Westminster, B.C.	Canadian	16	16
1177	San Diego, Cal.	American	9	9
1259	Liverpool, England	English	5	5
1280	Victoria, B.C.	English	11	11
1291	Winnipeg, Man.	Canadian-Icelander	8	8
1294	Edmonton, Alta.	Scotch-English	1	1
1295	Prince Rupert, B.C.	Scotch	1	Life
1304	Nordick, Alta.	Italian	6	Life.
1316	Prince Edward Island	French-Canadian	2	6
1317	Vancouver, B.C.	Irish	Life.	Life.
1318	Brilliant, B.C.	Russian	15	Life.
1320	Peers, Alta.	American-English	12	Life.
1321	Kitimat, B.C.	Indian	Life.	Life.
1322	Victoria, B.C.	Canadian	Life.	Life.
1326	Vancouver, B.C.	Canadian-Irish	Life.	Life.
1329	Winnipeg, Man.	Ukrainian	11	Life.
1330	New Westminster, B.C.	Canadian-Scotch	Life.	Life.
1333	Finland	Finnish	3½	3½
1335	Port Alberni, B.C.	Canadian-Irish	Life.	Life.
1336	Nanaimo, B.C.	Scotch-English	Life.	Life.
1338	Kincolith, B.C.	Indian	Life.	Life.
1339	Hazelton, B.C.	Canadian-Indian	Life.	Life.
1343	Savona, B.C.	Scotch-Halfbreed	Life.	Life.
1344	Calgary, Alta.	Canadian	15	Life.
1345	Prince Rupert, B.C.	American-English	Life.	Life.
1346	Creston, B.C.	Canadian-Scotch	Life.	Life.
1347	Ruby Creek, B.C.	Indian	Life.	Life.
1348	Vancouver, B.C.	English-American	Life.	Life.
1349	Steelhead, B.C.	Japanese	Life.	Life.
1350	Lang Bay, V.I.	Polish	Life.	Life.
1351	Australia	Russian	10	10
1352	Lytton, B.C.	Indian	Life.	Life.
1353	Chilliwack, B.C.	Indian	Life.	Life.
1354	Hughendon, Alta.	American	12	Life.
1355	Winnipeg, Man.	Scotch	7	Life.
1356	Selby, Col., U.S.A.	German	10	10
1357	Hanna, Alta.	Australian-English	14	Life.
1358	Cisco, B.C.	Indian	Life.	Life.
1359	New Westminster, B.C.	Swedish	Life.	Life.
1360	Edmonton, Alta.	Canadian-Scotch	4	Life.
1361	New Westminster, B.C.	Irish	Life.	Life.
1362	Red Willow, Alta.	Irish	12	Life.

LIST OF BOYS IN SCHOOL, MARCH 31ST, 1935—*Continued.*

No.	Place of Birth.	Parentage.	Residence previous to being admitted to School.	
			British Columbia.	Canada.
			Years.	Years.
1363	Vancouver, B.C.	Chinese	Life.	Life.
1364	Victoria, B.C.	Canadian	Life.	Life.
1365	Victoria, B.C.	Canadian-English	Life.	Life.
1366	Victoria, B.C.	Canadian	Life.	Life.
1367	England	Scotch	14	17
1368	Seattle, U.S.A.	Irish-American	12	12
1369	Vancouver, B.C.	Irish-English	Life.	Life.
1370	Alberta	English-Irish	10	Life.
1371	LeBret, Sask.	French-Canadian	6	Life.
1372	Vancouver, B.C.	French-Canadian	Life.	Life.
1373	Nanaimo, B.C.	Indian	Life.	Life.
1374	Ladysmith, V.I.	English	11	11
1375	Italy	Italian	9	9
1376	England	Canadian-English	.....	16
1377	Alberta	Negro	10	Life.
1378	Talbot, Alta.	American	5	Life.
1379	Victoria, B.C.	French-Canadian	Life.	Life.
1380	Victoria, B.C.	Canadian	Life.	Life.
1381	Victoria, B.C.	Canadian	9	Life.
1382	Victoria, B.C.	Canadian	9	9
1383	Nanaimo, B.C.	Canadian-Scotch	Life.	Life.
1384	Saskatoon, Sask.	American-Scotch	5	Life.
1385	Prince Rupert, B.C.	Canadian-English	5	Life.

NATIONALITY OF PARENTS.

American (both)	3	Canadian-English	3
Canadian (both)	7	Canadian-Irish	2
English (both)	3	Canadian-Indian	1
Indian (both)	7	Canadian-Scotch	4
Chinese (both)	1	Canadian-French	4
Irish (both)	3	Canadian-Icelander	1
Italian (both)	2	Irish-American	1
Russian (both)	2	American-English	3
Scotch (both)	3	Irish-English	2
German (both)	1	Australian-English	1
Ukrainian (both)	1	English-Scotch	2
Polish (both)	1	American-Scotch	1
Swedish (both)	1	Scotch-Halfbreed	1
Finnish (both)	1	English-Welsh	1
Japanese (both)	1		—
Negro (both)	1	Total	65

WHERE BOYS WERE BORN.

Alberta	11	United States	3
British Columbia	39	Finland	1
Saskatchewan	2	Australia	1
Manitoba	3	Italy	1
Prince Edward Island	1		—
England	3	Total	65

WHY THEY CAME TO US.

Incorrigible	10	Shooting cattle	1
B.E. & S.	19	Attempting suicide	1
Theft	32		—
Receiving stolen property	1	Total	65
Indecent assault	1		

PLACES OF APPREHENSION.

Abbotsford	1	Penticton	3
Agassiz	1	Port Alberni	1
Alert Bay	1	Prince George	1
Cranbrook	1	Prince Rupert	3
Crofton, V.I.	1	Rossland	1
Hazelton	1	Saanich	2
Lillooet	1	Sardis	1
Lytton	1	Trail	1
Maillardville	1	Vancouver	16
Maple Ridge	1	Victoria	9
Mission	2	West Vancouver	1
Nanaimo	4	Transfer from Oakalla	1
Nelson	1		—
New Westminster	7	Total	65
North Vancouver	1		

LENGTH OF SENTENCE.

"Juvenile Delinquent Act"	38	Indefinite	4
2 years	17		—
3 years	6	Total	65

AGES OF BOYS IN INSTITUTION.

10 years	2	17 years	13
11 years	2	18 years	2
12 years	5	19 years	1
13 years	4	20 years	1
14 years	5		—
15 years	20	Total	65
16 years	10		

RELIGIOUS STATISTICS.

Roman Catholic	16	Salvation Army	2
Presbyterian	4	Pentecostal	3
Church of England	10	Doukhobor	1
United	23		—
Methodist	3	Total	65
Lutheran	3		

BOYS AND THEIR PARENTS.

Number who have both parents living	37
Number who have both parents dead	4
Number who have father living and mother dead	6
Number who have mother living and father dead	16
Number who have stepmothers	1
Number who have stepfathers	1
	—
Total	65

HEALTH.

Dental Report.

"Sir,—During the year ended March 31st, 1935, the mouths of all the boys entering the institution have been carefully examined and record charts made. Of the seventy-six boys examined, only one mouth was found in a healthy condition because so many had never had any previous dental work. Since last summer provision has been made for bringing the boys to my own office, and as a result of having complete equipment I was able to do more and better work.

"It was necessary to extract 29 hopelessly diseased teeth with local anæsthetic. Of the 174 teeth filled, 109 were amalgam fillings, 9 enamel fillings, and 56 cement fillings. Prophylactic treatments were completed for 9 boys, 12 had to be treated for pyorrhœa complicated with severe systemic lesions, and 1 had a front tooth devitalized, treated, and filled.

"All patients were taught proper methods of brushing and caring for the teeth, and I believe the services rendered will be of great future benefit in assisting these boys to become useful citizens.

"Emery Jones, D.D.S."

MEDICAL REPORT.

During the past year a decided change was made in the method of handling this part of our work.

For the first five months of the fiscal year the work was in the hands of Dr. C. R. Symmes, of Port Moody. While Dr. Symmes was conscientious about his work, the arrangement was unsatisfactory. A visit once a week was sufficient for routine inspection, but left little time for more difficult cases. Emergencies meant a long-distance telephone call to Port Moody, which might or might not find the doctor at home. If the services of a doctor were urgent a trip from the school to Port Moody took time, and in the winter presented an element of danger which could not be overlooked.

Realizing that a very efficient medical staff was in residence in a neighbouring institution, I requested the Department to consider placing the boys under their care. After careful consideration this suggestion was approved, and since the beginning of September one of the members of the staff of the Mental Hospital has been in charge of the work. Needless to say, the arrangement is highly satisfactory to us. Not only are these men skilled medical practitioners, but their knowledge of mental conditions has been of inestimable value to us in solving some of our more difficult problems. Moreover, when emergencies arise, we are sure of being able to secure expert advice at a moment's notice.

We are pleased to be able to state that the general health of the boys has been very good during the year. No epidemics have made their appearance and no serious accidents have occurred. The list of minor operations performed during the year is as follows: 4 tonsillectomy operations; 1 thyroid gland operation; 1 finger amputation; 1 sterilization operation; 1 circumcision operation.

EDUCATIONAL.

"Sir,—The following is the report on the boys attending school during the fiscal year:—

"For the months April, May, and June very little could be accomplished as a spirit of unrest pervaded the institution due to the impending changes in the administration.

"Under the new administration an entirely different policy was followed, which necessitated changes in the school routine. Beginning the fall term, the boys, instead of putting in full time in the class-room, were sent to various trades for an hour a day. This meant a certain amount of loss as far as school-work was concerned, but I think that this was more than made up by the good derived from the trades. The teachers during this time occupied themselves with getting case histories. Between fifty and sixty boys were dealt with in this manner.

"Three of the boys who had finished public school decided to continue their studies, so correspondence courses were obtained. Two took commercial courses and the other a general course. They were under the supervision of the teachers. The results were quite satisfactory, the boys showing a real desire to progress.

"Use was made of Intelligence and Achievement Tests. In the former group tests were given to the entire school, while individual testing was done in particular cases. The highest I.Q. was found to be 108, while the lowest was 53. The median was 83. Some of the low I.Q.'s could not be considered entirely accurate as a few of the boys had difficulty in reading, either due to foreign birth or not having had the opportunity of learning to read properly before coming to this institution.

Pupils on register, March 31st, 1934	34
Pupils admitted during year	34
	68
Pupils removed for various reasons	50
Pupils on register, March 31st, 1935	18

"ERIC W. BLAGBURN."

KITCHEN AND CULINARY DEPARTMENT.

Kitchen routine varies little from year to year and most kitchens carry on a similar routine.

The real change this year has been the attempt to teach boys to become real cooks. Several have taken advantage of the opportunities offered, and of this group three have developed into good general cooks. One has taken charge of all cooking in a mining camp, another is waiting to be placed on a Coast steamer, while the third has unfortunately been unable to carry on in this work although released.

Several more boys have graduated from the dish-washing and pot-cleaning department to positions as assistant cooks and waiters, and during the coming year we hope for real progress for them.

During the spring of the year we were fortunate in having our kitchen block painted throughout. With this work done, the floors were sanded and resurfaced and our kitchen block is as good as new.

The following tables show clearly the manner in which the boys and the staff of the institution were fed during the year and the cost per meal:—

BOYS' MENU—ONE DAY.

Breakfast.—Porridge, milk, bread and butter, stewed fruit or dates, milk or tea.

Dinner.—Hamburger with potatoes baked on top, turnips, cake pudding with sauce and milk, bread.

Supper.—Brown, white, raisin bread and butter, peanut butter, salmon salad, milk or tea.

STAFF MENU—ONE DAY.

Breakfast.—Porridge, milk, bacon and eggs, toast, marmalade, bread and butter, tea or coffee.

Dinner.—Soup, roast beef, potatoes, beans, gravy, bread and butter, apple pie, tea.

Supper.—Brown, white, raisin bread and butter, fried halibut, potatoes, lettuce, fruit cake, tea.

Average cost per meal, 13 cents.

J. L. MACPHERSON.

CASH EXPENDITURE AND *PER CAPITA* COST.

(1.)	Office and school supplies	$774.85
(2.)	Travelling expenses	978.61
	Gas, oil, and repairs	1,416.35
(3.)	Purchase of clothing	409.90
	Shoe-shop supplies	517.98
	Tailor-shop supplies	5.00
(4.)	Janitors' supplies	433.51
(5.)	Light	1,518.00
	Water	603.33
	Fuel	4,019.27
	Carried forward	$10,676.80

CASH EXPENDITURE AND *PER CAPITA* COST—*Continued.*

	Brought forward		$10,676.80
(6.)	Provisions		5,510.35
(7.)	Medical—Doctor's salary, medicine, and operation expenses		1,239.59
	Dentist—Salary and supplies		609.47
(8.)	Laundry		1,288.45
(9.)	Feed for stock, farm, and poultry		4,560.62
(10.)	Purchase of live stock		30.00
(11.)	Vocational supplies for various departments		758.94
(12.)	Incidentals and contingencies		1,352.24
	Salaries		29,125.37
	Total expenditure, Vote 149		$55,151.83
	Expenditure, Special Warrant No. 4		1,806.72
	Expenditure, Public Works		4,592.64
	Total expenditure for year		$61,551.19
	Total amount of revenue for year—		
	Board and room	$4,574.57	
	Sale of eggs	4,610.86	
	Municipality receipts	10,955.60	
			20,141.03
			$41,410.16

Per capita cost for the year 1935–36, $2.30.

TRADES AND VOCATIONAL STATISTICS.

Tailoring Department.

"Sir,—I submit the annual report for the year 1934–35 of the work that has been done in the Tailor-shop and the boys to whom I have given instruction during the year. This, I think, will be of great benefit to them when they leave here. It is something they do not forget and some of the boys have shown real progress. Six boys have worked fairly regularly in the shop within the last twelve months and fourteen boys were given an elementary course in tailoring.

"The following is an outline of the work for the past year: 29 pairs of tweed pants were made, 86 pairs of overalls, 14 dozen aprons, 12 pairs of curtains, and 10¼ dozen tea-towels. In addition, 256 pairs of pants were pressed and 45 suits, also the necessary repairs to clothing, window-blinds, gymnasium-mats, etc.

"J. Henderson, *Tailor.*"

Shoemaking Department.

"Sir,—In presenting my annual report for the year you will notice that only 50 pairs of new shoes were made. These were made between April and September. There are also 12 pairs partly made. The reason I did not make more was because I had quite a large stock of good second-hand shoes which had been worn very little owing to the number of boys going home. There were 756 repairs made to shoes, several pieces of farm harness repaired, 2 baskets made for basket-ball, and several baseballs were re-covered.

"During the year three boys have worked steadily in the Shoe-shop, two of them making very good progress. Since January I have had classes of boys for an hour each day and they have done very well. Besides instructing them in practical work, I gave them talks on the different methods of making shoes and how to repair them, the different kinds of leather, and how to select suitable parts for certain work.

"J. Osborn, *Shoemaker.*"

Garage Department.

The expenses for the latter half of the year in this department were considerably lower than in the first part, owing to certain changes in the policy of the administration of the institution. The most far-reaching of these changes was the discontinuing of the practice of pursuing runaways. This in itself cut the consumption of gasoline about 55 per cent., with

ERRATUM.

Page 12, line 22, should read: "*Per capita* cost for the year 1934–35, $2.30."

other things in about the same ratio. On the other hand, owing to the equipment getting old, repairs and servicing costs increased.

It being part of the new administration policy to take the boys to games and other outings in various parts of the surrounding country, it was felt that the truck, while satisfactory for hauling freight, was not suitable for carrying passengers. The main defect was the braking system. The result was that the old truck and the old passenger-car were traded in and a new truck obtained. This is larger than the old one and is better equipped in the interests of safety. The body has been built at the school.

Included in the expense of this department are the oil and gasoline supplied to the other departments of the school.

In November, 1934, we inaugurated a class in motor mechanics. It only takes in motor-work as we have not as yet been able to obtain a complete automobile. Up to the end of the year eight boys have taken this work. The number does not compare with the number taking other work, because of the complexity of the subject making it necessary that more time be taken. Interest in this work is very keen and there is always a large number on the waiting-list.

The amount spent this year for gasoline, oil, tires, and other equipment amounts to $1,416.35. The cost of the new truck, $799.50, is included in this total.

Credits accruing to the department during the year amounted to $134. These come from hauling eggs to Essondale Mental Hospital.

H. HART, *Instructor.*

CARPENTERING DEPARTMENT.

This department has done the following work during the past year:—

The Trades Building was finished on the outside with 10-inch resawed siding, all window-frames put in place, water-table and moulding completed. All new work received two coats of paint.

A double garage, 18 by 20 feet, was built and painted. The exterior was finished to conform with the existing buildings.

The following routine work was carried on: Several drawing-boards and squares were made, 130 lights of glass were replaced, and many repairs were made to wagons and carts for the farm and poultry. The usual repairs to doors, windows, floors, cupboards, etc., was carried on. The interior of the kitchen block was also painted.

Four boys received a fairly complete course of instruction during the year, while ten of the younger boys were given an elementary course in woodwork.

D. STEWART, *Carpenter.*

PLUMBING, HEATING, AND BLACKSMITH DEPARTMENT.

Daily attention was given to furnaces, radiation, hot-water heaters, and the hot- and cold-water supply, all necessary repairs being made. Attention was also given to refrigeration and the usual repairs carried out in regard to plumbing fixtures, valves, drains, and septic tank.

Fire-extinguishers were checked and recharged; the swimming-pool cleaned and filled regularly.

Many locks, tools, and farm, poultry, and garden implements were repaired.

Daily instruction was given in sheet-metal work and blacksmith-work to boys; twenty-four having taken this course.

W. J. SCOTT, *Plumber.*

GARDENS.

Besides the routine work of raising flowers and vegetables from seed in the greenhouse, pruning trees, caring for flower-beds, and assisting with work on the lawn, certain major changes were carried out during the past year.

Much of the space once taken up with flowers was cultivated and planted in vegetables. Two of the four lower chicken-runs were converted into vegetable-gardens and the rock borders were removed to facilitate weeding and cultivating.

During the year ten boys have received instruction in the various branches of gardening and many of them have shown real progress. At least two of these boys were engaged to work

in gardens on their release, and from present indications two more are likely to follow the same occupation when their turn comes.

Cement and Plastering.

Besides carrying on repair-work on drains, stairs, walls, and curbs, we constructed the foundation and floor for the new garage and finished the exterior with stucco.

G. Wingrove.

GENERAL FARMING AND GARDEN STATISTICS.

During the early part of the year work on the farm proceeded much as in former years. Four boys were instructed in dairying and became good all-round farm-hands. About twelve more received part-time instruction and were useful in one or other of the departments of the work.

The wet weather in July hurt the crops considerably, the hay and potato crops suffering the most. The late blight ruined the potatoes, while one whole field of oat-hay was lost because of continued rain.

Late in the fall it was decided to reduce overhead and the dairy herd was disposed of. Two horses were also sold and the work of this department was curtailed accordingly.

The small number of boys now in the school was the reason for the change, and unless the commitments increase very suddenly and unexpectedly it seems unlikely that farming operations on a large scale will ever be resumed.

The following is a summary of the produce for the year:—

Vegetables—		
Potatoes, 18,195 lb.	$272.92	
Onions, 537 lb.	23.13	
Lettuce, 69 pails	17.00	
Beets, 1,943 lb.	28.41	
Peas, 146 lb.	7.30	
Marrow, 205 lb.	4.10	
Carrots, 1,525 lb.	15.25	
Beans, 316 lb.	15.80	
Turnips, 252 lb.	2.52	
Cabbage, 1,583 lb.	63.32	
Chard, 405 lb.	12.06	
Squash, 125 lb.	2.50	
Pumpkin, 200 lb.	4.00	
Parsnips, 5 lb.	1.25	
Cauliflower, 30 lb.	1.50	
		$471.06
Fruit—		
Rhubarb, 579 lb.	$11.58	
Raspberries, 117 lb.	8.16	
Apples, 516 lb.	30.68	
Plums, 57 lb.	4.00	
		54.42
Milk, 29,456 lb.		1,178.24
Pork, 2,014 lb.		181.26
Miscellaneous—		
Mangels, 35 tons	$245.00	
Oats and peas for silage, 4 tons	28.00	
Timothy-hay, 8 tons	104.00	
Oat-hay, 5 tons	65.00	
Cabbage for silage, 3 tons	21.00	
		463.00
Total credits		$2,347.98

J. McDowell.

POULTRY REPORT.

The past year was marked with progress in our Poultry Department in many ways.

Over forty boys passed through a course of instruction given by the poultryman in charge. The instruction given was mostly practical, with some theory worked in for the boys anxious to become engaged in the poultry-work when released. Nine boys became very proficient in the work, although the majority were very eager, especially during the incubation of eggs and rearing of the young stock.

The course of instruction covers:—

(*a.*) Choice of location.
(*b.*) Type of buildings.
(*c.*) Choice of breed.
(*d.*) Feeding.
(*e.*) Culling.
(*f.*) Diagnosis and control of disease, also control of vermin.
(*g.*) Care of eggs.
(*h.*) Dressing of poultry.
(*i.*) Breeding; type of bird; incubation and rearing of young stock.

Feeding requires a great deal of attention and is gone into thoroughly. It would be more beneficial to the boy receiving instruction if the egg-mash could be ground from the several grains necessary and mixed with the animal protein and mineral requirements. Feeding is of major importance if high egg production is to be obtained.

Culling received attention. All birds over 2 years old were disposed of and close culling carried out among the pullets and yearlings.

The lower laying-houses were altered; modern mash-hoppers replacing the old type, which were very wasteful. The water system was put underground. Runs were fenced on the upper side of the houses, making it possible to alternate their use and prevent any possibility of disease from old infested soil.

Very few poultry plants can boast of freedom from rats and ours is no exception. Many poison preparations are fatal to them, several of which we have tried obtaining good results.

Excellent hatches have been procured so far from incubation. The young chicks show plenty of vigour, and mortality so far is practically *nil*. All birds on the plant are being raised here from our own stock, so that the boys have the opportunity of studying the methods of poultry care from the egg to the laying bird. Vigorous, healthy stock is constantly emphasized.

Preparation is made for a large acreage of mangels for winter-feeding. Runs not in use have been sown to kale and rape for summer and fall use.

The boys are taken on inspection trips to other well-known poultry-farms, which gives an opportunity for comparison to be made and proves of great value from an educational standpoint.

The interest of the boys in all phases of the work is displayed by their splendid co-operation and complete harmony. The work offers sufficient variety to hold their interest at all times.

Our working-day requires attention to feeding; cleaning water-troughs and filling; cleaning dropping-boards; checking mash-hoppers; giving green feed; collecting, grading, and candling of eggs; care of incubators and young stock in season.

Debits.

Cost of feed for year	$3,567.75
Incidentals, light, water	420.54
Salary of Instructor	1,350.00
Total debits	$5,338.29

Credits.

Sale of eggs, 12,660 dozen	$2,808.15
Sale of chickens	859.24
Value of eggs used in own kitchen, 3,623 dozen	751.56
Value of poultry used in own kitchen, 2,485 lb.	496.19
Total credits	$4,919.56

D. MUNRO.

SPORTING ACTIVITIES.

The following is a résumé of the various recreations and games participated in by the boys of the Provincial Industrial School during the past year:—

Many activities were indulged in, and I, who have had the privilege of instructing as well as engaging in the different exercises performed, have no hesitation in extending my sincere congratulations to the various participants for the friendly fight, aggressiveness, and sporting spirit they displayed. It has been a privilege and a pleasure to have been of any support or aid to the many new friendly boys I have associated with during the year.

During August soft-ball, swimming, and golf were actively engaged in by the various groups. In September, in addition to the continuance of soft-ball and golf, physical training (compulsory to all) and soccer were started. The Biscoq golf championship was decided in this month, the honours going to one of the younger boys who won from a field of thirty-five entrants. October brought forth volley-ball as well as P.T. swimming, basket-ball, and soccer. The last two months of the year were active ones for the boys. A soccer team was entered in the Fraser Valley Soccer League, and exhibition basket-ball games were contested by both senior and junior teams in New Westminster and Coquitlam as well as at home. To complete a successful two months the Westminster Y group visited Biscoq and performed in a clever gym exhibition enjoyed by all.

January, February, and March saw the instigation of a house league in basket-ball. Five teams entered, their schedule calling for twenty league games as well as their exhibition games. Forty boys participated in this league and the improvement in the standard of play throughout the season was very gratifying. In addition to the basket-ball activities, a senior soccer team was entered in the New Westminster and District Juvenile League, playing nine games, of which they won six, lost two, and drew one. During the period they had the privilege of seeing the Adanac Basket-ball Club play several of their league games. Later the Adanac players visited the school for an exhibition game, after which an enjoyable social evening was had by all.

April finds the golf-course nearly in readiness for a busy season and the soft-ball house league ready to start. It is with great enthusiasm that we look forward to the summer season.

W. MAYERS, *Instructor.*

BAND REPORT.

During the early part of the year a small band practised quite regularly and gave several concerts, some at the school and some in near-by centres.

As the number of boys dwindled the better-trained players were among the first to go, and we were unable to function as a band without the help of outside players. However, we have continued with our practices twice a week and many of the younger lads are learning the rudiments of the art. We hope to organize again very shortly.

During the year individual instruction has been given to some twenty-five boys.

A new departure last year was a singing class. Few of the boys have shown any knowledge of, or liking for, singing, but a start has been made and results seem to warrant further efforts. In all probability a choir of boys will be developed during the coming winter.

J. H. RUSHTON, *Instructor.*

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