DEPARTMENT OF PROVINCIAL SECRETARY

SECOND ANNUAL REPORT

OF

THE TRANQUILLE SANATORIUM

OF THE PROVINCE OF

BRITISH COLUMBIA

FOR THE

FISCAL YEAR ENDED MARCH 31ST, 1923

PRINTED BY
AUTHORITY OF THE LEGISLATIVE ASSEMBLY.

VICTORIA, B.C.:
Printed by WILLIAM H. CULLIN, Printer to the King's Most Excellent Majesty.
1923.

To His Honour WALTER CAMERON NICHOL,

Lieutenant-Governor of the Province of British Columbia.

MAY IT PLEASE YOUR HONOUR:

The undersigned respectfully submits herewith the Annual Report of the Medical Superintendent of the Tranquille Sanatorium for the fiscal year ending March 31st, 1923.

J. D. MACLEAN,

Provincial Secretary.

Provincial Secretary's Office.

DEPARTMENT OF PROVINCIAL SECRETARY.

HON. J. D. MACLEAN, *Provincial Secretary.* J. L. WHITE, *Deputy Provincial Secretary.*

TRANQUILLE SANATORIUM STAFF.

Medical Staff:

A. D. LAPP, M.B., *Medical Superintendent.*

H. G. CHISHOLM, M.D., *Medical Assistant.* F. J. KENNY, M.D., *Medical Assistant.*

A. S. LAMB, M.D., *Medical Assistant.*

W. G. LOTHIAN, *X-ray Technician.* H. C. COWAN, *Dentist.*

Miss M. HODGETTS, *Matron.*

Consulting Surgeons:

Dr. J. S. BURRIS. Dr. R. W. IRVING.

Office Staff:

A. WHITECROSS, *Bursar.* Miss G. FORBES, *Clerk and Stenographer.*

A. N. LOW, *Storekeeper.* Miss L. C. BUCKLEY, *Dietitian.*

J. P. BOLTON, *Chief Engineer.* J. TREVORS, *Laundry Manager.*

Rev. E. D. MCLAREN, *Chaplain.*

Farm Staff:

D. W. STRACHAN, *Farm Superintendent.*

Miss D. KELLY, *Book-keeper.*

Women's Building, Tranquille Sanatorium.

TRANQUILLE SANATORIUM.

REPORT OF THE MEDICAL SUPERINTENDENT.

The Honourable J. D. MacLean, M.D.,
Provincial Secretary, Victoria, B.C.

SIR,—I have the honour to submit for your consideration the Second Annual Report of Tranquille Sanatorium, covering the fiscal year April 1st, 1922, to March 31st, 1923.

During the past year we had beds for 243 cases, the highest population being 237. A total of 179 admitted and 149 discharged showed an increase in population of thirty at the end of the year. Three hundred and seventy-two patients, ten less than the previous year, received treatment. The average length of the period of treatment was greater, making an increase in the number of patient-days over the previous year.

The statistical table on discharges shows fairly satisfactory results. There is a sharp decline in the number of apparently arrested cases; this is due to the difficulty in persuading patients to remain for any length of time after the disease becomes quiescent. Many of them, being breadwinners, leave, as soon as they can tolerate three or four hours' daily exercise, to look for work.

There was a marked decrease in the number of incipient cases seeking admission and a corresponding increase in the numbers of far-advanced cases. Some special effort should be made to have the disease diagnosed earlier. The cry should not be, as at present, "More beds at Tranquille for early cases," but "More early cases for the beds at Tranquille."

LABORATORY.

Although we have not yet been able to employ a laboratory technician, a good deal of work has been done during the year. However, we will not be able to do any special work in the laboratory until we have a technician who can devote his whole time to it. It is very desirable that each sanatorium be doing some research-work, as it is in this way only that any progress in the treatment of the disease can be accomplished.

X-RAY DEPARTMENT.

This department continues to be of great assistance to us in the medical work, both as an aid in diagnosis and in checking up our physical findings. The Alpine Sun lamp treatments are controlled by the X-ray technician, and our one lamp has been kept in operation all day, every day. We have found this treatment particularly valuable in abdominal and surgical lesions. There is a beneficial psychological effect in many cases.

DENTAL SERVICE.

Much work has been done in this department. A thorough examination of the mouth is made in each new case soon after admission. Many sources of infection are found and their treatment hastens the recovery of the patient.

FINANCIAL.

The most striking thing about the financial report is an increase in the gross *per capita* cost of 9 cents *per diem*. The explanation of this is the difficulty experienced for four months last summer in keeping the patient-population up; this resulted in several thousand patient-days less than we should have had. The overhead expenses were not affected materially. This condition is not likely to exist in the future. The net cost increased considerably, due to a falling-off in revenue, which was brought about chiefly by the decline in the number of D.S.C.R. patients. The bill for repairs and renewals was high again, but as the buildings are now in good condition this item should be much less in future.

LAUNDRY.

This is a very necessary but fairly expensive department, which handles a large volume of work. During the past year a monthly average of nearly 27,500 pieces was reported. A large percentage of it was heavy work—blankets, sheets, table-cloths, etc.

SANATORIUM FARM.

The farm showed an operating deficit for the first time. This was caused by a very dry season, with crop-shortage, and the resulting high price of feed, which it was necessary to purchase in order to carry the range stock through the winter. Owing to poor market conditions many beef cattle were not disposed of. The Cooney Ranch which was purchased was in very poor condition, entailing a great deal of labour in getting it ready for seeding this spring. This also added to the operating expense. Conditions should be much better during the coming year.

BUILDING OPERATIONS.

The Nurses' Home was completed and opened in July and has proven a very valuable addition to the Sanatorium.

Four staff cottages were erected, adding considerably to the comfort of the members of the staff who are married. A workshop for patients taking occupational therapy, and large enough to provide room for our own carpenter and paint shops, is nearing completion.

An addition was built on the end of the garage, providing ample room for the storage of all Sanatorium cars. The root-house was completed early in the year and has been in use all winter.

A trestle for unloading coal at the power-house was built on the railway spur and is proving a great convenience; a considerable saving of labour has also been effected.

The farm buildings which were under construction at the beginning of the year have been completed and have proven a great asset to the farm.

RECOMMENDATIONS.

Another Alpine Sun lamp should be added to the present equipment and a high-frequency apparatus added to the X-ray outfit.

The institution is large enough now to employ a laboratory technician. I have pointed out earlier in the report that this is desirable, and would like to recommend that this addition be made to the present staff.

The sewerage system should be changed throughout, and I would suggest that a trunk sewer be put in with a single large septic tank at some distance from the institution. This work would not necessarily be done at once, but could cover a period of years, the trunk being built first and the sewer laid to one or two buildings at a time.

The policy of doing some work towards improving the grounds each year should be continued. Beautiful grounds raise the morale of any institution and have a decided beneficial effect on the residents.

The quarters for male help are quite cramped and some are living in outlying shacks and tents. I would recommend the erection of a building to house the maids, and the use of their present quarters for the male help who are at present living in temporary buildings.

ACKNOWLEDGMENTS.

Our thanks are due to Dr. J. S. Burris and to Dr. R. W. Irving, of Kamloops, consulting surgeons.

We appreciate the kindness of our many friends in Kamloops who have provided considerable entertainment for both patients and staff during the winter months; our thanks are due, also, to those comprising the visiting committee of the Red Cross.

I would like to acknowledge with thanks the contributions towards amusements made by the Military Branch of the Y.M.C.A.

In conclusion, I would express my gratitude to my assistant physicians, Drs. Chisholm, Kenny, and Lamb, and to all the various members of the staff who have all contributed to the successful operation of the Sanatorium during the year. I thank you, sir, for the support and assistance which I have always had from your Department.

I have the honour to be,
Sir,
Your obedient servant,
A. D. LAPP,
Medical Superintendent.

STATISTICAL TABLES.

Statistics for Year ended March 31st, 1923.

	Civil.	Military.	Total.
Number of patients in Sanatorium, March 31st, 1922	101	92	193
Number of patients admitted during year	126	53	179
Number of patients treated during year	227	145	372
Number of patients discharged during year	74	75	149
Number of patients in Sanatorium, March 31st, 1923	153	70	223

Cases admitted during Year ended March 31st, 1923.

Males	118
Females	61
Total	179
Civil state—	
Married	76
Single	100
Widowed	3
Total	179
Classification—	
Incipient	29=16.20%
Moderately advanced	74=41.34%
Far advanced	74=41.34%
Suspects	2= 1.12%

Age Classification of Cases admitted during Year ended March 31st, 1923.

	Males.	Females.
1–10 years	1	..
11–15 „	2	4
16–20 „	9	10
21–25 „	18	16
26–30 „	23	11
31–35 „	27	6
36–40 „	12	7
41–45 „	12	3
46–50 „	9	2
51–55 „	3	1
Over 55 years	2	1
Totals	118	61

Number of Patient-days during Year ended March 31st, 1923.

Total 70,978

Religion of Cases admitted during Year ended March 31st, 1923.

Church of England	57	Roman Catholic	17
Methodist	13	Lutheran	7
Protestant	26	Presbyterian	46
Greek Church	2	Baptist	5
Hebrew	1	Polish	1
Bible Student	1	Unknown	3

ADDRESSES OF CASES ADMITTED DURING YEAR ENDED MARCH 31ST, 1923.

Vancouver	80	Fernie	2
Victoria	15	Nelson	1
Kelowna	4	Pender Harbour	1
Courtenay	2	Burton	2
Heffley Creek	1	Osoyoos	1
Tranquille	9	Salmon Arm	2
New Westminster	2	Pitt Lake	1
Nakusp	1	Canim Lake	1
Pouce Coupe	1	Hope	1
Yennadon	1	Forestdale	1
Rutland	1	Chilliwack	2
Pritchard	1	Midway	1
Nanaimo	4	Penticton	6
Golden	1	Port Haney	1
Kamloops	13	Duncan	2
Prospect Lake	1	Abbotsford	1
Squilex	1	Chase	2
Bickle	1	Revelstoke	1
Matsqui	1	Burns Lake	1
Port Moody	1	Miscellaneous, D.S.C.R. patients coming in from other Provinces	7
Naramata	1		

OCCUPATIONS OF CASES ADMITTED DURING YEAR ENDED MARCH 31ST, 1923.

School-children	9	Broker	2
Housewife	25	Stewardess	1
Fruit-packer	2	Telephone operator	1
Miner	5	Surgeon	1
Nurse	4	Tailoress	1
Garage-worker	2	Baker	1
Farmer	13	Agricultural student	1
Clerk	21	Mounted Police	1
Butcher	1	Foreman	1
Boot-repair	1	Physician	1
Blacksmith	2	Bookbinder	1
Fisherman	1	Electrician	1
Insurance	1	Stenographer	2
Dentist	1	Orderly	1
Carpenter	3	Motorman	1
Teacher	3	Chauffeur	2
Fireman	2	Merchant	1
Architect draughtsman	1	Theatrical manager	1
Photographer	1	Salesman	1
Tinsmith	1	Engineer	4
Kitchen-work	1	Plumber	1
Painter	1	Moulder	1
Machine operator	1	Superintendent stevedore	1
Warehouseman	1	Mechanic	1
Labourer	2	Sailor	2
Gardener	1	Book-keeper	1
Cook	2	Accountant	5
Waiter	5	Shipwright	1
Cleaner	1	Barber	1
At home	14	Fire ranger	1
Elevator operator	1	Student	2
Dietitian	1	Laundry-worker	1
Vulcanizer	2	Priest	1
Cashier	1	Stoker	1

Nationalities of Cases admitted during Year ended March 31st, 1923.

English	52	Scottish	18
Canadian	66	Italian	1
Dutch	1	Polish	2
Swedish	1	French-Canadian	3
Greek	1	American	9
Russian	1	Welsh	2
Finnish	2	Norwegian	5
Irish	10	Russian Jew	1
Australian	2	Danish	1
Indian	1		

Cases discharged during Year ended March 31st, 1923.

Classification on Admission.	Results.				
	Apparently arrested.	Quiescent.	Improved.	Unimproved.	Dead.
Incipient, 27=18.12%	10	15	1	..	1
Moderately advanced, 59=39.59%	5	37	4	7	6
Far advanced, 58=38.9%	1	21	2	15	19
Non-tuberculous, 5=3.35%	..	..	..	..	..

Classification of Cases discharged as Non-tuberculous.

Asthma	1
Chronic bronchitis	2
For observation	2

Laundry Report for Year ended March 31st, 1923.

Total number pieces put through during year	321,846
Average monthly amount	26,820½

Report of Pneumo-thorax Treatment for Year ended March 31st, 1923.

Number of new cases in which pneumo-thorax was attempted	12
Number of new cases in which pneumo-thorax was successful	4
Reasons for which it was attempted—	
Hæmorrhage	4
Toxæmia	8
Total number of refills given	263

In addition, two cases were successfully operated upon by thoracoplastic method, with beneficial results.

X-ray Report for Year ended March 31st, 1923.

Stereoscopic films, pairs	261
Miscellaneous	56
Dental sets, complete	185

Alpine Sun Lamp.

Number of treatments given	1,460

METEOROLOGICAL REPORT.

Month.	Maximum Temp.	Minimum Temp.	Average Temp.	Hours of Sunshine.	Rain.	Average Humidity.	Snowfall.
	Deg. F.	Deg. F.	Deg. F.		Inches.		Inches.
April	71	27	48.2	258.2	0.65	43.3	..
May	85	35	...	239.0	0.60	...	..
June	89	45	69.0	235.0	0.11	71.0	..
July	95	50	...	223.0	0.72	...	..
August	90	53	...	199.6	0.24	...	..
September	82	38	58.2	110.9	0.83	46.2	..
October	68	30	49.6	123.1	0.58	81.7	..
November	50	25	33.8	53.6	...	79.5	*
December	..	..	...	....	...	...	..
January	45	— 3	26.0	77.6	...	...	1.5
February	50	— 2	22.7	125.7	...	...	4.0
March	69	18	37.7	143.5	...	23.8	†

* Slight. † Trace.

DENTAL REPORT.

The Medical Superintendent,
Tranquille Sanatorium, Tranquille, B.C.

SIR,—I have the honour to submit my report for the year ended March 31st, 1923, and in so doing I wish to express my sincere thanks for the assistance I received from the rest of the professional staff.

At the first of the year, as you know, my time was reduced, as far as the S.C.R. was concerned, to half-time, but no change was made in regard to the civilian patients. I believe, after a year's experience, that this is the most satisfactory way in which this department can be handled; although we have had additional accommodation for the patients which was entirely taken up by civilians, I have found it more or less possible to handle the work in the alloted time.

All returned soldiers have had for some years now considerable dental treatment, either in the Army or by the S.C.R., but in the case of civilian patients their dental condition is far from perfect in a great many cases, the reason no doubt being that for some months before coming here they have been indisposed and the teeth have been neglected, and quite often from mercenary reasons; the result is that we have had to practically reconstruct the entire mouth.

We have carried on the previous policy of a full-mouth X-ray of all patients, and I feel justified in saying that the expense is warranted; it is of great assistance to me in all my work, and also enables me to locate many troubles that would otherwise have been overlooked.

Following you will find a statement of the actual work done for the patients:—

Fillings, inclusive of root-fillings	522
Miscellaneous treatments, inclusive of root-canal treatments	559
Extractions	121
Anæsthetics	113
Dentures	37
Resets	3
Inlays	7
Repairs, denture	24
Removal of necrotic bone	7
Removal of bridges	2
Bridges	18
Crowns	8
Relines	3
X-ray, sets of	231
Root-amputation	1

I have, etc.,

HAROLD COWAN, *Dentist.*

BURSAR'S REPORT.

Tranquille, B.C., March 31st, 1923.

The Medical Superintendent,
Tranquille Sanatorium, Tranquille, B.C.

Sir,—I have the honour to submit herewith the Balance-sheets and Profit and Loss Accounts covering the fiscal year ended March 31st, 1923.

Throughout the year repair-work has been carried on in all buildings and they are now in very good condition. All furnishings and equipment have been kept up to the desired standard with instant repairs, or renewals where repair-work was impossible.

It will be noted that there is an increase in our *per capita* cost; this is largely attributable to the fact that the population was low for four months of the year.

Our revenue has fallen off owing to a natural decrease in the number of military patients from the Department of Soldiers' Civil Re-establishment, the number of municipal cases received has been less than last year, and there has been a great increase in the number of free cases treated.

The gross cost of maintenance for the year amounted to $284,019.31, with a revenue of $149,901.68, making the net *per capita* cost to the Province $689.69 per year, or $1.89 per day.

A total of 70,978 days' treatment has been given, which means an average of 194.46 patients treated daily.

During the year ten municipalities have paid for the maintenance of sixty-one patients at the rate of $2.50 per day; while the Department of Soldiers' Civil Re-establishment has paid for 145 military patients at the monthly *per capita* rate, and thirty-two patients have paid for their own maintenance at varying rates, according to what they were able to afford. We have carried on the free list 134 cases unable to contribute any amount.

The Laundry Department has been taxed to its utmost capacity, and to meet the increased demand we are planning to install some new machinery during the coming year. This department has put through a total of 321,846 pieces for the year, a monthly average of 26,820 pieces.

A trestle for the completion of the railway spur is under construction, which we hope will greatly facilitate the handling of all the coal for the power-house.

In conclusion, I desire to express to my assistants my sincere thanks and appreciation of their faithful service, and to yourself for the valuable aid you have extended to me during the year.

I have, etc.,
A. Whitecross,
Bursar.

TRANQUILLE SANATORIUM.

Balance-sheet, March 31st, 1923.

Assets.

Land	$ 39,437 14
Buildings	406,945 11
Plant and equipment	71,378 50
Furniture and fixtures	18,061 89
Inventories	7,988 17
Treasury advance (for petty expenses)	1,000 00
Accounts receivable	20,449 83
Railway spur	2,602 62
	$567,863 26
Deficit (cost of operations, 1922–23)	134,117 63
	$701,980 89

Liabilities.

Government of British Columbia	$701,980 89

PROFIT AND LOSS ACCOUNT, MARCH 31ST, 1923.

Insurance	$ 2,428 62	
Salaries	93,772 68	
Office supplies	1,572 35	
Travelling expenses and transportation	2,202 06	
Fuel, water, light, and power	45,272 71	
Maintenance and repairs	25,868 26	
Furniture and fixtures	13,008 74	
Provisions	91,817 67	
Medical and surgical supplies	2,541 89	
Incidentals and unforeseen	5,534 33	
By Donations	.....	$ 4,200 00
Receipts from maintenance of patients	.....	145,701 68
Balance	.....	134,117 63
	$284,019 31	$284,019 31

EXPENSE AND REVENUE STATEMENT FOR YEAR ENDED MARCH 31ST, 1923.

Operating Expense Accounts.

Operating expenditure by voucher—		
Salaries—		
Medical and clerical staff	$ 13,196 77	
Sundry employees	80,575 91	
		$ 93,772 68
Office Supplies—		
Books and journals	$ 165 73	
Postage and office supplies	681 73	
Telephone and telegraph	196 12	
		1,043 58
Travelling expenses and transportation		2,625 96
Fuel, water, light, and power—		
Fuel	$ 40,896 39	
Power-house supplies	3,555 25	
		44,451 64
Maintenance and repairs—		
Repairs and renewals	$ 19,655 55	
Janitors' supplies	5,635 91	
		25,291 46
Furniture and fixtures—		
Bedding	$ 3,356 04	
Furniture and fixtures	3,867 90	
Miscellaneous	2,947 30	
		10,171 24
Provisions—		
Groceries and sundries	$ 41,616 57	
Meat	29,538 48	
Fish	7,445 80	
Milk and eggs	18,356 95	
		96,957 80
Carried forward		$274,314 36

Expense and Revenue Statement for Year ended March 31st, 1923—*Continued.*

Operating Expense Accounts—Continued.

Brought forward			$274,314 36
Medical and surgical supplies—			
Medicines and drugs		$ 2,019 41	
X-ray and miscellaneous		1,513 37	
			3,532 78
Incidentals and unforeseen—			
Laundry		$ 963 98	
Freight and cartage		2,877 84	
Sundries		2,649 65	
Clothing		1,214 99	
			7,706 46
Total operating expense by voucher			$285,553 60
Inventories as at March 31st, 1922—			
Fuel		$ 2,989 80	
Provisions		3,861 54	
Office supplies		900 73	
Medical and surgical supplies		829 65	
Furniture and fixtures		2,837 50	
Maintenance and repairs		2,191 26	
Transportation		175 21	
			13,785 69
Insurance for year			2,428 62
			$301,767 91
Less inventories as at March 31st, 1923—			
Fuel	$2,094 38		
Provisions	2,329 42		
Office supplies	371 96		
Medical and surgical supplies	815 94		
Maintenance and repairs	1,593 36		
Transportation	299 11		
Incidentals	484 00		
		$ 7,988 17	
By Post Office Department Account		300 00	
Fuel sold		74 35	
Refund, Canadian General Electric Co.		21 10	
Provisions sold		3,735 85	
Refund, P. Burns & Co., Ltd.		921 08	
Board Account		2,015 32	
Refund on alcohol		613 10	
Sale of thermometers		391 50	
Sundry collections		1,688 13	
			17,748 60
Gross cost of maintenance for year			$284,019 31

Revenue.

By Donations from Greaves Estate	$ 4,200 00	
Receipts from Department of S.C.R.	107,506 79	
Receipts from Municipalities	31,442 50	
Receipts from private patients	6,752 39	
		149,901 68
Net cost of operation for year ended March 31st, 1923		$134,117 63

SUMMARY OF PROFIT AND LOSS ACCOUNT.

			Yearly Per Capita.
Insurance		$ 2,428 62	$ 12 49
Salaries		93,772 68	482 22
Office supplies		1,572 35	8 09
Travelling expenses and transportation		2,202 06	11 32
Fuel, water, light, and power		45,272 71	232 81
Maintenance and repairs		25,868 26	133 03
Furniture and fixtures		13,008 74	66 89
Provisions		91,817 67	472 17
Medical and surgical		2,541 89	13 07
Incidentals and unforeseen		5,534 33	28 46
		$284,019 31	$1,460 55
Less donations	$ 4,200 00		
„ revenue, Maintenance Account	145,701 68		
		149,901 68	770 86
Net cost to Government for maintenance of patients		$134,117 63	$ 689 69

Remarks.

Number of patients in residence, March 31st, 1923	223
Daily average population for year ended March 31st, 1923	194.46
Gross maintenance *per capita* cost, 1 year	$1,460.55
Gross maintenance *per capita* cost, 1 day	4.00
Net maintenance *per capita* cost, 1 year	689.69
Net maintenance *per capita* cost, 1 day	1.89

Capital Expenditure.

Improvements to grounds	$ 1,951 97
Pole-line to station	1,375 00
Nurses' Home (balance)	15,508 90
Cottages	12,171 87
Workshop and garage	5,411 52
Pump-house	1,380 00
Motor for power-house	512 00
Furniture	2,756 67

FARM SUPERINTENDENT'S REPORT.

The Medical Superintendent,
Tranquille Sanatorium, Tranquille, B.C.

SIR,—I beg to submit my report of the operations of the Tranquille Sanatorium Farm for the year ended March 31st, 1923.

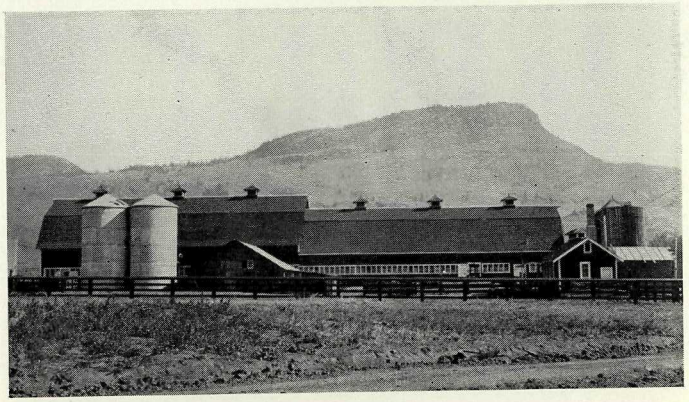
This has been one of the most difficult years to operate that has ever been experienced in the history of the farm. The summer of 1922 was the driest in many years; irrigation-water was very short and the ranges of the Interior of British Columbia were depleted and bare owing to the continued drought. As a result of this scarcity of pasture the cattle came into winter quarters in poor condition and had to be fed heavier than in former years. The price of feed, owing to the shortage, was higher than during the years of the war.

The farm crops were fair. The 300 tons of ensilage and 450 tons of hay produced on the ranch were not sufficient to carry over the large amount of stock that the ranch was compelled to keep in order to supply the needs of the Sanatorium. A large number of prime beef cattle had to be kept over because there was no sale for them.*

* These cattle have since been sold at from $85 to $100 per head.

General view of Farm with Sanatorium Buildings.

Farm Boarding-house.



Cow-barn.

The Cooney Ranch was purchased at a very reasonable figure—the run-down condition of the land being taken into consideration—with 198 head of cattle and sixty-seven head of horses. As there was no hay on the ranch to feed these cattle, hay had to be purchased at from $25 to $30 per ton; this feed item, together with the labour and expense of putting part of the Cooney Ranch into producing condition, comprises the major portion of this year's deficit.

Another item that reduced our income was the fact that none of our beef could be sold owing to a glutted market, and this beef was inventoried at the price of stocker cattle, because the unsettled condition of the market did not warrant putting a greater price upon them.

The dairy herd has done remarkably well; no losses were sustained during the year and fifty-one cows produced 669,645 lb. of milk. Sufficient milk was available at all times for the needs of the institution. The dairy herd was tested twice during the year for tuberculosis but no reactors were found. It is felt that the grades should be replaced by pure-breds as soon as possible, as the cost and care is no greater with pure-breds and the sale price realized is much higher, and our herd could then be placed on the accredited basis.

The construction of new buildings greatly hampered the operations of the ranch during the year. These buildings, consisting of two cement silos 16 by 34 feet, one horse-barn 76 by 30 feet, a commodious dairy, and a 100-foot addition to the cow-barn, making a total accommodation for eighty-five head, have been completed and are up-to-date in every respect, providing for the herd not only every comfort, but also the best sanitary conditions.

The range cattle, 425 in number, were all brought through the winter in good shape and are now all out on the ranges.

The horses purchased with the new ranch are of the light-delivery and saddle-horse type, and it is respectfully suggested that these be sold as opportunity occurs and be replaced by horses of the draught type.

The hogs, notwithstanding the adverse conditions under which they were kept, proved profitable, and it is confidently anticipated that proper housing accommodation will be erected this year. Most of these animals are pure-bred Berkshires of good quality.

The leased and purchased property of the farm consists of over 17,000 acres. Most of the fences are in very poor condition and must be replaced; the dams, ditches, and water-gates need a good deal of repairing and will be given attention as soon as time and opportunity permit.

With the increased acreage there was necessarily an increase in the number of employees. The housing accommodation, always insufficient, is now sadly inadequate, and it is hoped that during this coming season comfortable quarters will be erected for the help of the farm.

All of which is respectfully submitted.

D. W. Strachan,
Farm Superintendent.

SANATORIUM FARM REPORT.

Tranquille, B.C., March 31st, 1923.

The Medical Superintendent,
Tranquille Sanatorium, Tranquille, B.C.

Sir,—I have the honour to submit herewith the Financial Statement for the Tranquille Sanatorium Farm for the year ended March 31st, 1923.

Our expenditure for the year shows an increase in all departments, the Feed Department showing the greatest. We had to winter 265 head of extra live stock (taken over with the Cooney Estate) and high prices had to be paid for hay, as there was not enough grown on the Cooney Ranch to feed these animals. The crops were not up to the usual standard owing to a scarcity of moisture.

The dairy herd has done exceedingly well, producing an average of 13,132 lb. of milk per animal for the year, the total production being 669,645 lb.

The revenue from the sale of farm produce has considerably increased. The farm has been able to supply the Sanatorium with a greater amount of farm produce—namely, milk, vegetables, fruit, and meats—than we have in former years.

All of which is respectfully submitted.

A. Whitecross,
Bursar.

TRANQUILLE SANATORIUM FARM.

BALANCE-SHEET, MARCH 31ST, 1923.

Assets.

Buildings and improvements	$ 27,495 33
Land (Cooney Ranch)	35,500 00
Live-stock inventory	35,895 00
Farm equipment	4,711 39
Automobile	150 00
Real estate	137 88
Accounts receivable	4,121 80
Tranquille Dam Account	421 72
Treasury advance (Petty Account)	1,000 00
Deficit for year 1922–23	13,785 66
	$123,218 78

Liabilities.

Provincial Treasury advance	$ 1,000 00
Accounts payable	241 85
Provincial Government	121,976 93
	$123,218 78

PROFIT AND LOSS ACCOUNT, MARCH 31ST, 1923.

Salaries—		
Farm Superintendent	$2,400 00	
Book-keeper	540 00	
Other employees	9,159 03	
		$ 12,199 03
Provisions		3,571 93
Fuel, light, and water		123 66
Feed		15,898 17
Seed and fruit-boxes		266 28
Blacksmith and repairs		878 80
Drugs and veterinary supplies		69 00
Implements, harness, and hardware		1,595 75
Travelling expenses		45 80
Depreciation on automobile		330 94
Incidentals and unforeseen		2,811 17
		$ 37,790 53
Profit on live stock		$ 1,435 66
Farm produce sold		22,370 69
Fruit-sales		64 25
Sale of hides		38 95
Sale of milk (private parties)		71 16
Sundry receipts		24 16
Balance, deficit for year		13,785 66
		$ 37,790 53

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1923.