DEPARTMENT OF PROVINCIAL SECRETARY

THIRTEENTH ANNUAL REPORT

OF

THE TRANQUILLE SANATORIUM

OF THE PROVINCE OF

BRITISH COLUMBIA

FOR THE

FISCAL YEAR ENDED MARCH 31ST, 1934

PRINTED BY
AUTHORITY OF THE LEGISLATIVE ASSEMBLY.

VICTORIA, B.C.:
Printed by CHARLES F. BANFIELD, Printer to the King's Most Excellent Majesty.
1935.

To His Honour J. W. FORDHAM JOHNSON,

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 Tranquille Sanatorium for the fiscal year ended March 31st, 1934.

G. M. WEIR,

Provincial Secretary.

Provincial Secretary's Office.

DEPARTMENT OF THE PROVINCIAL SECRETARY.

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

P. WALKER, *Deputy Provincial Secretary.*

TRANQUILLE SANATORIUM HEADQUARTERS STAFF.

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

H. JEFFERIS, *Bursar.*

H. G. CHISHOLM, M.D., *Assistant Medical Superintendent.*

H. A. JONES, M.D., *Physician.*

A. HAKSTIAN, M.B., *Physician.*

G. F. KINCADE, M.D., *Physician.*

G. DARLING, *Laboratory Technician.*

Miss B. BIBBY, *Matron.*

Miss L. WRIGHT, *Dietitian.*

Miss M. HAYCROFT, *Stenographer.*

W. JACKSON, *Farm Manager.*

Miss D. CREECH, *Book-keeper* (Farm).

A. N. LOW, *Steward.*

J. TREVORS, *Laundry Manager.*

J. L. STEPHENSON, *Chief Engineer.*

Dr. E. D. MCLAREN, *Chaplain.*

DEPARTMENT OF PUBLIC WORKS.

J. MATHIESON, *Clerk of Works.*

TRANQUILLE SANATORIUM.

REPORT OF THE MEDICAL SUPERINTENDENT.

TRANQUILLE, B.C., March 31st, 1934.

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

SIR,—I have the honour to present herewith the Thirteenth Annual Report of Tranquille Sanatorium, covering the year April 1st, 1933, to March 31st, 1934.

Although the bed capacity is 336, the average daily patient population was only 327. There are two reasons for this. After a patient is sent for there is usually one to two weeks' delay in their arrival at the Sanatorium. I have not been able to find a means of bridging this gap, as experience has shown that it is not safe to send for a patient until a bed is actually vacated. The other reason is that every incoming patient is an infirmary case, and we do not always have sufficient patients well enough to fully occupy our accommodation for ambulatory cases.

The absolute inadequacy of our accommodation for citizens requiring hospitalization for tuberculosis is becoming increasingly apparent. At the time of application quite a percentage of cases would appear to be in the early stages and suitable for special treatments available in the Sanatorium only. After waiting months without taking proper care of themselves, many of them have become too far advanced for active treatment to be of any use. They make the chronic advanced cases who occupy a high percentage of the Sanatorium beds for long periods. While they have been awaiting admission they have been sowing seeds of future crops of tuberculosis in their associates.

Aside from the loss of life, the unnecessarily long illnesses are costly and the preventable infections are mortgages which have to be met during the next twenty years. I hope that definite plans for increasing our accommodation and extending all our facilities for dealing with tuberculosis will be developed during the next year.

It was my good fortune to be able to attend the annual conventions of the Canadian Tuberculosis Association and the National Tuberculosis Association, held jointly in Toronto in June, 1933. These conventions attracted men, specializing in tuberculosis, from all parts of North America. In November, 1933, at the British Columbia Hospitals Association convention in Victoria one session was devoted to a discussion of tuberculosis. The writer had the honour of leading the discussions, together with Drs. A. S. Lamb and W. H. Hatfield.

The affiliation with nurses' training-schools has been continued. The intensive course given here is of two months' duration and consists of lectures from the medical staff, the matron, and the dietitian, in addition to demonstrations and bedside-nursing. Although our classes are not large, averaging eleven, they are representative, coming from eight schools. There is a request from the schools that we enlarge the classes. This would involve some capital expenditure, but I recommend it for your consideration. During the year reported sixty-five nurses-in-training received diplomas for having completed the course creditably.

The weekly staff meetings have been held throughout the year and would now be considered indispensable for intelligent and efficient handling of some of our problems. The volume of medical work has increased considerably, partly through more special treatments given, and largely through the increasing number of people who are taking advantage of the clinic facilities at the Sanatorium. These facilities are available to the medical profession and the public every day of the year.

The following table shows the special measures, directed towards collapse therapy, employed during the year:—

Number receiving pneumothorax, April 1st, 1933	73
New cases of pneumothorax attempted	49
New cases successfully established	44
Admitted with pneumothorax	5
Cases treated with bilateral pneumothorax	14
Cases treated with oleothorax	10
Total pneumothorax refills	3,162
Phrenic nerve interruptions	22
Thoracoplasties completed	3

In addition, many major and minor surgical procedures were employed in the treatment of complicating conditions, which occur in tuberculous people, to at least the same extent as amongst the general population.

The X-ray and fluoroscope are invaluable tools for intelligent diagnosis and treatment of tuberculosis and our fine equipment has been used freely. The condition of all employees, as well as patients, is checked by these means.

The dental service was curtailed in 1930, but a part-time service of three mornings per week has been maintained. This is sufficient to care for all emergency and other work referred by the doctors. While this is enough to keep the patients comfortable, there are a great many focal infections and cavities missed through lack of time and facilities for routine examinations, including complete X-ray.

An eye, ear, nose, and throat specialist spends two mornings per month making examinations and doing refractions. Any operative work in his specialty is done at other times.

The Bursar's report gives details of the financial operations. A new low in *per capita* cost was touched at a gross of $2.38. We cannot hope to maintain our costs at this low figure over any period, although it may be possible during the coming year.

The Elks' Club, the Canadian Legion, the Red Cross, the I.O.D.E., and other organizations have contributed generously to the entertainment and welfare of our patients. I wish to tender sincere thanks to these and other organizations and individuals who have remembered the institution. The visiting clergymen have been unfailing in their attention to the spiritual needs of the patients and their services are gratefully acknowledged.

I wish to express my deep appreciation for their loyal support and assistance to all members of the staff and employees.

Allow me, Sir, to express my thanks to the members of your Department and to yourself for the encouragement I have received during a difficult year.

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

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

STATISTICAL TABLES.

TABLE No. 1.—GENERAL STATISTICS FOR YEAR 1933–34.

Movement of Population.	Male.	Military.	Female.	Total.
Number of patients in Sanatorium, March 31st, 1933	151	28	147	326
Number of patients admitted, 1933–34	90	39	88	217
Number of patients discharged, 1933–34	96	31	87	214
Number of patients treated, 1933–34	241	67	235	543
Number of patients in Sanatorium, March 31st, 1934	145	36	148	329
Daily average population	.....	....	.....	327
Total number of patient-days	.....	....	.....	119,469

TABLE No. 2.—CLASSIFICATION OF 217 CASES ADMITTED TO SANATORIUM DURING YEAR 1933–34.

Classification.	Male.	Military.	Female.	Total.	Percentage.
Incipient	5	1	16	22	10.1
Moderately advanced	14	10	29	53	24.4
Far advanced	66	28	43	137	63.2
Miscellaneous	5	....	....	5	2.3
Totals	90	39	88	217	100.0

TABLE No. 3.—CLASSIFICATION OF FIVE CASES ADMITTED AS MISCELLANEOUS.

Classification.	Male.	Female.	Total.
Arthritis	1	....	1
Debility	1	....	1
Silicosis	1	....	1
Spinal caries	1	....	1
T.B. ankle-joint	1	....	1
Totals	5	....	5

TABLE No. 4.—SHOWING CIVIL STATE OF PATIENTS ADMITTED FROM APRIL 1ST, 1933, TO MARCH 31ST, 1934.

Civil State.	Male.	Female.	Total.
Married	60	36	96
Single	61	52	113
Divorced	....	....	....
Widowed	8	....	8
Totals	129	88	217

TABLE No. 5.—SHOWING THE NATIONALITY OF PATIENTS ADMITTED FROM APRIL 1ST, 1933, TO MARCH 31ST, 1934.

Nationality.	Male.	Female.	Total.
American	3	1	4
Canadian	91	66	157
Czecho-Slovakian	1	....	1
English	12	9	21
Hungarian	....	1	1
Irish	2	1	3
Italian	....	1	1
Jugo-Slavian	2	....	2
Newfoundlander	1	....	1
Norwegian	1	....	1
Scotch	6	7	13
Swedish	9	1	10
Welsh	1	1	2
Totals	129	88	217

TABLE No. 6.—SHOWING WHAT DISTRICTS CONTRIBUTED PATIENTS FROM APRIL 1ST, 1933, TO MARCH 31ST, 1934.

Place of Residence.	Male.	Female.	Total.
Abbotsford	1	1	2
Aldergrove	1	....	1
Anyox	1	1	2
Armstrong	1	....	1
Bridge River	1	....	1
Britannia Mine	1	....	1
Burnaby	4	3	7
Canford	1	....	1
Chauvin, Alta	1	....	1
Chilliwack	....	1	1
Coalmont	1	....	1
Cobble Hill	....	1	1
Comox	....	1	1
Creston	1	....	1
Deroche	1	....	1
Duncan	1	....	1
Edmonton, Alta	1	....	1
Enderby	....	1	1
Esquimalt	2	....	2
Fernie	....	1	1
Fort Langley	....	1	1
Halfmoon Bay	1	....	1
Hazelton	....	1	1
Huntingdon	....	1	1
Jasper, Alta	1	....	1
Kamloops	9	5	14
Kelowna	2	1	3
Ladysmith	1	....	1
Lantzville	....	1	1
Lear	1	....	1
Lillooet	3	1	4
Lulu Island	1	....	1
Lytton	1	1	2
Mara	....	1	1
Merritt	1	....	1
Mission	2	....	2
Nelson	3	4	7
New Denver	1	....	1
Newton	1	....	1
Carried forward	42	27	74

TABLE No. 6.—SHOWING WHAT DISTRICTS CONTRIBUTED PATIENTS—*Continued.*

Place of Residence.	Male.	Female.	Total.
Brought forward	42	27	74
New Westminster	3	9	12
North Bend	1	....	1
Ocean Falls	....	1	1
Peachland	1	....	1
Penticton	2	1	3
Perry Siding	1	....	1
Port Essington	....	2	2
Port Haney	....	1	1
Portland, Oregon	1	....	1
Powell River	3	....	3
Premier	1	....	1
Prince Rupert	2	1	3
Pritchard	1	....	1
Quesnel	....	1	1
Revelstoke	3	1	4
Richmond	1	....	1
Roe Lake	....	1	1
Saanich	....	2	2
Sardis	2	....	2
Sidney	1	1	2
Sointula	1	1	2
Sumas	1	....	1
Summerland	1	....	1
Squamish	....	1	1
Trail	1	....	1
Tranquille	1	....	1
Vananda	1	....	1
Vancouver	47	31	78
Victoria	4	4	8
Wells	1	....	1
West Summerland	....	1	1
Williams Lake	....	1	1
Yale	....	1	1
Ymir	1	....	1
Totals	129	88	217

TABLE No. 7.—SHOWING THE OCCUPATIONS OF THOSE ADMITTED FROM APRIL 1ST, 1933, TO MARCH 31ST, 1934.

Occupation.	Male.	Female.	Total.
Accountant	2	....	2
Blacksmith	1	....	1
Carpenter	3	....	3
Clerical and office-worker	14	7	21
Cook	3	....	3
Constable	1	....	1
Dressmaker and milliner	....	2	2
Electrician	5	....	5
Engineer	5	....	5
Farmer	9	....	9
Fireman	2	....	2
Fisherman	3	....	3
Housewife	....	29	29
Janitor	1	....	1
Labourer	14	....	14
Housework	....	9	9
Lawyer	3	....	3
Logger	7	....	7
Longshoreman	2	....	2
Carried forward	75	47	122

TABLE No. 7.—SHOWING THE OCCUPATIONS OF THOSE ADMITTED FROM APRIL 1ST, 1933, TO MARCH 31ST, 1934—*Continued.*

Occupation.	Male.	Female.	Total.
Brought forward	75	47	122
Maid	....	2	2
Miscellaneous	14	3	17
Mechanic	4	....	4
Mill-worker	3	....	3
Miner	9	....	9
None	3	4	7
Nurse, graduate	....	7	7
Nurse-in-training	....	12	12
Painter	1	....	1
Purser	1	....	1
Physician	3	....	3
Pianist	1	....	1
Plumber	2	....	2
Salesmen and agents	3	....	3
Seamen	3	....	3
Soldier	1	....	1
Student	5	9	14
Surveyor	1	....	1
Teacher	....	2	2
Waitress	2	....	2
Totals	129	88	217

TABLE No. 8.—SHOWING THE AGES OF THOSE ADMITTED FROM APRIL 1ST, 1933, TO MARCH 31ST, 1934.

Age.	Male.	Female.	Total.
Under 15 years	2	2	4
15 to 20 ,,	9	22	31
21 ,, 25 ,,	15	27	42
26 ,, 30 ,,	21	12	33
31 ,, 35 ,,	19	12	31
36 ,, 40 ,,	13	7	20
41 ,, 45 ,,	16	3	19
46 ,, 50 ,,	14	1	15
51 ,, 55 ,,	11	1	12
56 ,, 60 ,,	7	1	8
61 ,, 65 ,,	2	....	2
66 ,, 70 ,,	....	....	....
Over 70 ,,	....	....	....
Totals	129	88	217

TABLE No. 9.—SHOWING ADMISSIONS, DISCHARGES, AND DEATHS FROM APRIL 1ST, 1933, TO MARCH 31ST, 1934.

Month.	Admissions.			Discharges.			Deaths.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
1933.									
April	8	10	18	16	13	29	3	2	5
May	17	11	28	6	3	9	7	1	8
June	10	4	14	8	6	14	5	1	6
July	16	12	28	8	5	13	2	4	6
August	7	6	13	3	5	8	4	1	5
September	9	7	16	3	6	9	....	3	3
October	11	7	18	4	4	8	5	....	5
November	5	5	10	2	4	6	2	1	3
December	15	5	20	11	4	15	3	3	6
1934.									
January	7	7	14	3	1	4	5	2	7
February	11	5	16	7	6	13	3	1	4
March	13	9	22	13	8	21	4	3	7
Totals	129	88	217	84	65	149	43	22	65

TABLE No. 10.—SHOWING CLASSIFICATION OF 214 DISCHARGES DURING 1933–34.

Classification on Admission.	Results.					
	Apparently arrested.	Quiescent.	Improved.	Unimproved.	Died.	Total.
Incipient	7	6	....	....	....	13
Moderately advanced	1	38	6	3	6	54
Far advanced	....	47	18	14	59	138
Miscellaneous	....	1	7	1	....	9
Totals	8	92	31	18	65	214

TABLE No. 11.—AVERAGE LENGTH OF RESIDENCE OF 131 DISCHARGED PATIENTS.

Condition.	Male.	Female.
	Days.	Days.
Apparently arrested	198	236
Quiescent	439	621
Improved	289	481

TABLE No. 12.—SHOWING LONGEST AND SHORTEST PERIODS OF RESIDENCE IN 131 DISCHARGES.

Condition.	Longest Period.	Shortest Period.
	Days.	Days.
Apparently arrested	550	91
Quiescent	1,713	12
Improved	1,615	16

TABLE No. 13.—SHOWING CLASSIFICATION OF NINE CASES (MISCELLANEOUS) DISCHARGED.

Classification.	Male.	Female.	Total.
Arthritis	1	....	1
Bronchiectasis	....	1	1
Bronchitis	2	....	2
Colitis	....	1	1
Debility, non-T.B.	1	1	2
Diabetes	1	....	1
Peritonitis	....	1	1
Totals	5	4	9

WEATHER SUMMARY, BEGINNING APRIL 1ST, 1933, AND ENDING MARCH 31ST, 1934.

Month.	Max. Temp.	Min. Temp.	Mean Temp.	Mean Humidity.	Sunshine.	Average Sunshine.	Rainfall.	Snowfall.
1933.	Deg. F.	Deg. F.	Deg. F.	Deg. F.	Hours.	Hours.	Inches.	Inches.
April	74.0	25	47.736	51.336	228.0	7.60	0.13	.....
May	77.0	38	55.741	54.45	200.4	6.464	1.14	.....
June	92.0	36	.....	52.37	198.3	6.61	0.84	.....
July	90.0	45	73.234	47.68	295.7	9.50	0.55	.....
August	92.5	49	70.38	55.30	288.3	9.30	0.70	.....
September	78.0	36	55.60	69.60	119.0	3.96	0.89	.....
October	69.0	28	46.90	72.967	134.6	4.341	1.67	6½
November	58.0	29	41.20	77.00	40.7	1.356	0.75	.....
December	53.0	— 6	.....	65.90	45.5	1.467	.....	15¾
1934.								
January	48.0	16	31.10	71.10	48.6	1.567	0.06	6½
February	57.0	9	33.143	72.289	116.2	4.15	0.31	.....
March	60.0	22	41.98	56.58	143.6	4.63	0.44	4¼

GENERAL WORK DONE IN LABORATORY DURING THE YEAR ENDED MARCH 31ST, 1934.

Material examined.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January.	February.	March.	Totals.
Sputum	153	189	149	84	181	176	133	291	188	158	166	193	2,061
Positive	64	102	61	22	106	71	41	97	84	54	69	72	843
Negative	89	87	88	62	75	105	92	194	104	104	97	121	1,218
Urinalysis	36	332	25	10	347	35	326	143	41	23	325	31	1,674
Quan. sugar	.....	.....	.....	.....	.....	.....	.....	.....	4	28	41	45	118
Albuminuria	19	13	3	.....	17	16	23	4	1	2	29	3	130
T.B. urine	2	2	.....	.....	6	.....	.....	1	.....	2	6	1	20
Positive	.....	.....	.....	.....	4	.....	.....	1	.....	.....	2	.....	7
Negative	2	2	.....	.....	2	.....	.....	.....	.....	2	4	1	13
Renal functional	.....	2	.....	.....	.....	.....	.....	1	.....	.....	1	.....	4
Blood—													
Erythrocytes	3	4	3	4	4	2	2	4	2	6	4	6	44
Hæmoglobin	3	4	3	4	4	2	2	4	2	6	4	6	44
Leukocytes	5	7	4	4	4	4	3	6	3	8	6	4	58
Differential	5	7	4	4	4	4	3	6	3	8	6	4	58
Kahn	23	24	19	8	29	15	11	21	29	11	23	11	224
Sedimentation	15	24	20	8	29	18	20	17	26	11	18	10	216
Blood-sugar	1	1	1	.....	2	3	1	1	8	4	4	2	28
Non-protein nitrogen	4	.....	.....	.....	2	3	2	.....	2	1	5	.....	19
Cerebrospinal fluid	.....	2	2	.....	.....	.....	.....	.....	2	.....	.....	3	9
Autopsies	.....	.....	2	.....	.....	.....	.....	.....	.....	2	2	.....	6
Guinea-pig inoculation	4	.....	1	1	3	2	.....	2	.....	2	2	2	19
Guinea-pig autopsies	.....	.....	4	.....	3	.....	6	1	1	4	.....	2	21
Cultures	11	9	14	2	11	14	13	6	16	12	6	24	138
Bacterial smears	9	15	17	4	15	16	18	15	12	16	11	28	176
Gastric analysis	1	1	2	.....	2	2	1	3	.....	4	2	3	21
Pleural fluid	1	1	1	.....	.....	1	1	3	.....	2	2	2	14
T.B. positive	.....	1	.....	.....	.....	1	1	1	.....	.....	.....	1	5
T.B. negative	1	.....	1	.....	.....	.....	.....	2	.....	2	2	1	9
Agglutinations	.....	.....	2	1	63	7	6	11	3	.....	3	.....	96
Autogenous vaccines	.....	1	.....	.....	.....	.....	.....	.....	2	.....	.....	1	4
Milk—													
Bacteriology	5	4	4	2	4	4	5	5	4	4	3	4	48
Chemistry	5	4	5	2	4	4	3	5	4	4	3	4	47
Sedimentation	5	4	4	2	4	4	3	5	4	4	3	4	46
Water analysis	1	1	1	1	1	1	1	2	1	1	1	1	13
Fæces	1	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	3
Miscellaneous	3	.....	1	4	2	.....	2	3	.....	.....	.....	3	18

BURSAR'S REPORT.

TRANQUILLE, B.C., March 31st, 1934.

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

SIR,—I have the honour to present herewith the balance-sheet and profit and loss accounts covering the fiscal year ended March 31st, 1934.

The year just ended can, I think, be considered very satisfactory from a business point of view, the *per capita* cost showing a slight reduction over the previous very low figure. The gross *per capita* for 1933–34 is the lowest on record for the institution. While the net *per capita* is reduced correspondingly, I am not at all satisfied with results here. Had we not been successful in collecting from the estates of deceased patients, our patient collections would have been quite small. This is no doubt due to the present conditions of depression. However, I am pleased to state that the *per capita* figures compare very favourably with any other institutions of a similar kind in the Dominion.

The tables showing number of patients in residence, analysis of gross *per capita* costs, etc., are also herewith attached.

There is an absence of Table No. 14 *re* occupational therapy. This department was discontinued on April 1st in compliance with instructions received for a general reduction in our estimates. This order was reluctantly complied with, and a number of appointments cancelled which resulted in the efficiency of the organization being somewhat impaired; notably, a strong criticism about the lack of statistical records showing cost of operating different internal departments. These records are impossible to obtain with the reduced clerical staff at my disposal, as I am now operating with one less in office staff than was on the list before the opening of the new Greaves Building with 100 more beds and a corresponding increase in staff generally. Much as I would like to eliminate any cause for criticism, it is impossible for me to do so without additional help.

I again take this opportunity of thanking you for your cordial support and assistance given me during the year. Also to departmental heads, office staff, and all branches of the service, I wish to tender my sincere appreciation of their co-operation in carrying on the work of the institution.

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

H. JEFFERIS,
Bursar.

TRANQUILLE SANATORIUM.

BALANCE-SHEET, MARCH 31ST, 1934.

Assets.

Land and improvements	$12,684.05
Buildings	572,344.70
Plant and equipment	140,027.33
Bedding, linen, etc.	43,910.80
Inventory	15,378.23
Petty cash	1,500.00
Accounts receivable	4,018.80
	$789,863.91
Deficit (cost of operating, 1933–34)	191,913.80
	$981,777.71

Liabilities.

Government of British Columbia	$981,777.71

PROFIT AND LOSS ACCOUNT FOR YEAR ENDED MARCH 31ST, 1934.

Salaries		$130,037.53
Office supplies		1,642.49
Travel and transportation		2,598.97
Fuel, water, and light		49,164.40
Maintenance and Janitors' supplies		10,830.67
Bedding and linens		5,212.98
Provisions		69,771.52
Medical and surgical		9,760.17
Incidentals		4,347.56
		$283,366.29
Depreciation		39,715.69
		$323,081.98
Revenue—		
Dept. of P. and N.H.	$31,452.99	
Municipalities	92,361.50	
Patients	7,353.69	
		131,168.18
Operating cost, 1933–34		$191,913.80

EXPENSE AND REVENUE STATEMENT FOR YEAR ENDED MARCH 31ST, 1934.

Operating Expense Accounts.

Expenditure by voucher—		
Salaries—		
Headquarters staff	$19,498.25	
Sundry employees	176,294.91	
		$195,793.16
Office supplies—		
Books and journals	$120.62	
Stationery, etc.	1,168.55	
Telephone and telegraph	423.08	
		1,712.25
Travel and transportation—		
Travelling expenses	$702.99	
Car and truck expenses	2,775.94	
		3,478.93
Fuel and light—		
Fuel	$49,587.13	
Plant supplies	471.49	
		50,058.62
Maintenance of buildings, grounds, etc.—		
Janitors' supplies	$7,667.06	
Equipment renewals	1,141.10	
Garden and grounds	415.44	
		9,223.60
Bedding and linens		6,422.17
Provisions—		
Groceries	$28,840.56	
Meats	6,477.84	
Fish	1,408.76	
Eggs	5,320.52	
		42,047.68
Carried forward		$308,736.41

EXPENSE AND REVENUE STATEMENT FOR YEAR ENDED MARCH 31ST, 1934—*Continued.*

Operating Expense Accounts—Continued.

Brought forward		$308,736.41
Expenditure by voucher—*Continued.*		
Medical and surgical supplies—		
Medicines and drugs	$3,667.64	
Consultants' fees	4,913.00	
X-ray and dental	2,904.02	
		11,484.66
Incidentals and contingencies—		
Laundry	$2,180.84	
Freight and express	973.67	
Sundry	113.27	
Training-school	1,928.82	
Indigent patients	714.10	
		5,910.70
Gross expenditure by voucher as per Finance Department Statement		$326,131.77
Less deductions for board, etc.	$65,728.91	
Less sundry credits	2,523.53	
Less revenues	131,168.18	
		199,420.62
		$126,711.15
Plus inventory, April 1st, 1933		14,831.31
		$141,542.46
Less inventory, March 31st, 1934	$15,378.23	
Less equipment transferred	1,684.67	
Less sundry collections	7,216.86	
		24,279.76
		$117,262.70
Farms Contra Account—		
Purchases from farm	$39,510.12	
Less sales to farm	4,574.71	
Debit net amount		34,935.41
Net cost of operating for year		$152,198.11
Depreciation		39,715.69
		$191,913.80

SUMMARY OF PROFIT AND LOSS ACCOUNT, MARCH 31ST, 1934.

		Yearly *Per Capita.*
Salaries	$130,037.53	$397.67
Office supplies	1,642.49	5.02
Travel and transportation	2,598.97	7.95
Fuel, water, and light	49,164.40	150.35
Maintenance and Janitors' supplies	10,830.67	33.12
Bedding and linens	5,212.98	15.94
Provisions	69,771.52	213.37
Carried forward	$269,258.56	$823.42

SUMMARY OF PROFIT AND LOSS ACCOUNT, MARCH 31ST, 1934—*Continued.*

		Yearly *Per Capita.*
Brought forward	$269,258.56	$823.42
Medical and surgical	9,760.17	29.85
Incidentals	4,347.56	13.29
Gross operating cost	$283,366.29	$866.56
Less revenue	131,168.18	401.12
Net operating cost	$152,198.11	$465.44
Depreciation (plant, buildings, and fixtures)	39,715.69	121.45
	$191,913.80	$586.89

Remarks.

Number of days' treatment given during 1933–34	119,469
Number of patients in residence, March 31st, 1934	329
Daily average population for year	327
Gross maintenance *per capita* cost, 1 year	$866.56
Gross maintenance *per capita* cost, 1 day	2.38
Net maintenance *per capita* cost, 1 year	463.55
Net maintenance *per capita* cost, 1 day	1.27

FINANCIAL TABLES.

TABLE A.—SHOWING THE AVERAGE NUMBER OF PATIENTS IN RESIDENCE EACH YEAR, THE TOTAL AMOUNTS SPENT FOR MAINTENANCE, AND THE GROSS PER CAPITA COST.

Year.	Average Number in Residence.	Maintenance Expenses.	*Per Capita* Cost.
1921–22	190.04	$271,730.08	$1,429.85
1922–23	194.46	284,019.31	1,460.55
1923–24	207.15	312,065.72	1,506.46
1924–25	221.21	300,350.00	1,357.75
1925–26	224.00	293,980.72	1,312.44
1926–27	223.00	308,194.82	1,382.04
1927–28	216.00	294,674.82	1,364.24
1928–29	214.31	299,621.79	1,400.10
1929–30	293.00	347,939.58	1,187.51
1930–31	325.00	342,120.06	1,052.67
1931–32	330.00	313,213.82	949.13
1932–33	329.00	290,826.84	883.97
1933–34	327.00	283,366.29	866.56

TABLE B.—SHOWING ANALYSIS OF GROSS PER CAPITA COST.

Year.	Salaries.	Office Supplies.	Travelling and Transportation.	Fuel, Light, Water, and Power.	Maintenance and Repairs.	Furniture and Fixtures.	Provisions.	Medical and Surgical Supplies.	Incidentals.	Total Gross.
1921–22	$439.59	$9.01	$20.56	$225.14	$138.43	$57.79	$421.96	$28.37	$72.06	$1,429.85
1922–23	482.22	8.09	11.32	232.81	133.03	66.89	472.17	13.07	28.46	1,460.55
1923–24	479.85	7.46	9.42	243.48	85.77	13.70	441.26	39.95	65.76	1,506.46
1924–25	467.52	6.01	11.93	211.11	70.55	25.78	288.86	26.17	33.05	1,357.75
1925–26	479.75	8.97	8.09	189.92	68.62	6.62	392.98	34.68	19.31	1,312.44
1926–27	501.57	9.51	14.81	173.22	65.85	33.96	426.23	39.32	12.36	1,382.04
1927–28	554.98	10.32	11.89	169.48	64.20	34.93	448.96	53.82	15.65	1,364.24
1928–29	603.51	9.67	12.60	190.78	82.77	24.66	421.89	42.95	11.27	1,400.10
1929–30	544.63	10.21	8.78	157.94	62.23	.92	338.82	50.34	13.64	1,187.51
1930–31	484.06	8.09	6.52	132.71	48.92	14.23	297.72	44.93	15.69	1,052.67
1931–32	447.65	6.73	7.64	148.82	33.16	13.32	226.62	41.04	24.15	949.13
1932–33	406.95	5.53	5.08	150.71	30.24	19.08	209.44	38.09	18.85	883.97
1933–34	397.67	5.02	7.95	150.35	33.12	15.94	213.37	29.85	13.29	866.56

TABLE C.—SHOWING GROSS EXPENDITURES IN PROFIT AND LOSS ACCOUNTS ANALYSED UNDER ITS DIFFERENT HEADINGS.

Year.	Insurance.	Salaries.	Office Supplies.	Travelling and Transportation.	Fuel, Water, Light, and Power.	Janitors' Supplies and Maintenance.	Furnishings, Linen, etc.	Provisions.	Medical and Surgical Supplies.	Incidentals and Unforeseen.	Total.
1921–22	$3,222.69	$83,537.76	$1,713.14	$3,906.79	$42,785.73	$26,306.16	$10,982.78	$80,189.90	$5,391.16	$13,693.07	$271,730.08
1922–23	2,428.62	93,772.68	1,572.35	2,206.06	45,272.71	25,868.26	13,008.74	91,817.67	2,541.89	5,534.33	284,019.31
1923–24	24,819.26	99,400.17	1,545.66	1,952.17	50,436.74	17,767.20	2,837.67	91,407.31	8,276.71	13,662.83	312,065.72
1924–25	25,832.65	103,420.23	1,329.97	2,639.11	46,700.05	15,607.78	5,702.59	86,016.60	5,788.98	7,312.21	300,350.17
1925–26	23,189.10	107,464.34	2,008.04	1,811.63	42,541.98	15,368.15	1,481.87	88,020.94	7,770.12	4,324.35	293,980.72
1926–27	23,462.52	111,849.59	2,121.47	3,302.55	38,626.74	14,684.17	7,573.66	95,050.92	8,766.89	2,756.31	308,194.82
1927–28	.....	119,876.18	2,228.64	2,569.15	36,608.02	13,865.61	7,544.09	96,977.65	11,624.60	3,380.88	294,674.82
1928–29	.....	129,152.07	2,066.48	2,695.88	40,827.30	17,713.15	5,278.18	90,284.91	9,191.17	2,412.65	299,621.79
1929–30	.....	159,576.74	2,990.38	2,572.81	46,278.46	18,235.77	268.57	99,273.19	14,749.34	3,994.32	347,939.58
1930–31	.....	157,319.27	2,627.69	2,054.53	43,130.67	15,898.79	4,625.37	96,758.11	14,604.17	5,101.46	342,120.06
1931–32	.....	147,698.21	2,226.58	2,524.46	49,114.29	10,946.85	4,697.29	74,787.61	13,546.14	7,972.39	313,213.82
1932–33	.....	133,885.58	1,821.18	1,671.93	49,583.54	9,948.47	6,277.49	68,905.20	12,531.38	6,202.07	290,826.84
1933–34	.....	130,037.53	1,642.49	2,598.97	49,164.40	10,830.67	5,212.98	69,771.52	9,761.17	4,347.56	283,366.29

TABLE D.—SHOWING SUMMARY OF OPERATIONS WITH REFERENCE TO PER CAPITA COST.

Year.	Number of Patients treated.	Average Population.	Total Patient-days.	Revenue from Maintenance of Patients.	Revenue from Donations.	Total Maintenance Expenses.	Gross Yearly *Per Capita.*	Net Yearly *Per Capita.*	Gross Daily *Per Capita.*	Net Daily *Per Capita.*
1921–22	389	190.04	69,365	$173,295.98	$8,200.00	$271,730.08	$1,429.85	$474.81	$3.91	$1.30
1922–23	372	194.46	70,978	145,701.68	4,200.00	284,019.31	1,460.55	689.69	4.00	1.89
1923–24	425	207.15	75,819	107,428.18	70,500.00	312,065.72	1,506.46	647.53	4.11	1.77
1924–25	407	221.21	80,753	98,311.08	2,000.00	300,350.17	1,357.75	904.29	3.71	2.47
1925–26	382	224.00	81,775	83,809.76	1,000.00	293,980.72	1,312.44	933.82	3.59	2.56
1926–27	368	223.00	81,422	63,641.92	2,750.00	308,194.82	1,382.04	1,084.31	3.79	2.96
1927–28	383	216.00	77,770	60,256.53	2,005.00	294,674.82	1,364.24	1,075.99	3.72	2.94
1928–29	434	214.31	78,225	56,974.75	.....	299,621.79	1,400.10	1,133.86	3.83	3.11
1929–30	550	293.00	107,174	79,995.41	1,500.00	347,939.58	1,187.51	909.37	3.25	2.49
1930–31	562	325.09	118,558	84,466.98	950.00	342,120.06	1,052.67	789.86	2.88	2.16
1931–32	568	330.00	120,654	90,556.07	1,000.00	313,213.82	949.13	671.69	2.60	1.84
1932–33	585	329.00	119,983	129,380.22	3,000.00	290,826.84	883.97	481.60	2.42	1.32
1933–34	543	327.00	119,469	131,168.18	.....	283,366.29	866.56	463.55	2.38	1.27

BURSAR'S REPORT, TRANQUILLE SANATORIUM FARM.

Balance-sheet, March 31st, 1934.

Assets.

Buildings and improvements	$95,223.84
Equipment	4,247.54
Land	70,405.88
Automobile Account	681.50
Accounts receivable	194.39
Dam Account	2,074.80
Petty cash	500.00
Inventories	72,586.76
	$245,914.71
Deficit for year 1933–34	2,949.92
	$248,864.63

Liabilities.

Capital balance	$248,864.63

Profit and Loss Account, March 31st, 1934.

Disbursements.

Salaries	$17,967.86
Office	36.80
Truck and tractors	1,716.73
Fuel	739.58
Maintenance and renewals	1,020.55
Feed	11,638.65
Provisions	4,135.74
Leases	1,275.00
Implements and harness	734.28
Drugs and veterinary	79.50
Incidentals	364.43
Boarding-house supplies	612.15
	$49,321.30
Depreciation	6,083.68
	$46,404.98

Receipts.

Dairy and beef products	$6,432.99
Milk-sales	27,934.50
Swine products	7,619.73
Garden produce	1,467.84
	$43,455.06
Deficit for year	2,949.92
	$46,404.98

Expenditure by Voucher, Vote 131b, 1933–34.

Salaries—		
Staff	$2,996.16	
Sundry employees	25,320.20	
		$28,316.36
Carried forward		$28,316.36

EXPENDITURE BY VOUCHER, VOTE 131B, 1933–34—*Continued.*

Brought forward		$28,316.36
Office supplies—		
Stationery	$26.55	
Telephone and telegraph	10.25	
		36.80
Travel, truck, and tractors—		
Travelling expenses	$42.35	
Truck and tractor	2,432.01	
		2,474.36
Fuel		485.08
Maintenance and repairs—		
Equipment renewals	$542.65	
Dams and ditches	186.37	
Gardens and grounds	382.53	
		1,111.55
Feed		10,868.79
Provisions—Slaughter-house supplies		173.18
Leases and ranges		1,275.00
Implements and harness—		
Harness	$102.45	
Implements	482.63	
		585.08
Live stock—Swine		23.65
Drugs and veterinary—		
Drugs	$30.93	
Veterinary services	48.60	
		79.53
Incidentals—		
Registrations fees	$27.00	
Express	79.24	
Miscellaneous	258.19	
		364.43
Gross expenditure by voucher as per Comptroller-General's Account		$45,793.81
Less deductions for board	$10,348.50	
Less sundry revenue	8,565.09	
		18,913.59
		$26,880.22
Inventory as at March 31st, 1933—		
Live stock—		
Cattle	$62,380.00	
Horses	2,067.50	
Swine	3,789.00	
Slaughter-house—		
Equipment	550.50	
Merchandise	855.39	
Implements	3,042.50	
Tools	261.25	
Feed	4,058.25	
Produce	205.00	
Travel and transportation	43.15	
Fuel	254.50	
		77,507.04
Carried forward		$104,387.26

EXPENDITURE BY VOUCHER, VOTE 131B, 1933–34—*Continued.*

Brought forward		$104,387.26
Less inventory as at March 31st, 1934—		
Live stock—		
Holstein herd	$16,150.00	
Hereford herd	17,800.00	
Range cattle	23,500.00	
Horses	2,260.00	
Swine	4,218.88	
Slaughter-house merchandise and equipment	1,755.49	
Feed	3,286.34	
Maintenance supplies	352.25	
Garden produce	275.00	
Tractor supplies	95.50	
Implements and harness	2,893.30	
		72,586.76
Purchases from Sanatorium—		$31,800.50
Provisions	$3,962.56	
Laundry	554.70	
Bedding and linens	57.45	
		4,574.71
		$36,375.21
Less capital transfer		681.50
		$35,693.71
Depreciation		6,083.68
		$41,777.39
By Sales to sanatorium	$39,510.12	
Accounts receivable, 1934	194.39	
	$39,704.51	
Less accounts receivable, 1933	877.04	
		38,827.47
Deficit for year 1933–34		$2,949.92

SUMMARY OF FARM PRODUCTION FOR FISCAL YEAR 1933–34.

Alfalfa, 360 tons at $18	$6,480.00
Meadow-hay, 125 tons at $5	625.00
Green feed, 368 tons at $5	1,840.00
Oats and alfalfa ensilage, 75 tons at $5	375.00
Corn ensilage, 400 tons at $5	2,000.00
Mangels, 125 tons at $5	625.00
Potatoes, 40 tons at $16.50	660.00
Onions, 4,550 lb. at $1 per 100 lb.	45.30
Carrots, 20,720 lb. at $1 per 100 lb.	207.20
Beets, 5,850 lb. at $1 per 100 lb.	58.30
Vegetable marrow, 7,635 lb. at $1 per 100 lb.	76.35
Parsnips, 2,270 lb. at $1 per 100 lb.	22.70
Turnips, 4,820 lb. at $1 per 100 lb.	48.20
Apples, 30 boxes at 75 cents	22.50
Apples, 233 boxes at 50 cents	116.50
Carried forward	$13,202.05

SUMMARY OF FARM PRODUCTION FOR FISCAL YEAR 1933–34—*Continued.*

Brought forward	$13,202.05
Honey, 25 lb. at 15 cents	3.75
Honey, 710 lb. at 14 cents	99.40
Citron, 1,000 lb. at $1 per 100 lb.	10.00
Squash, 2,500 lb. at $1 per 100 lb.	25.00
Cabbage, 3,740 lb. at $1 per 100 lb.	37.40
Pears, 202 boxes at $1	202.00
Pumpkin, 1,000 lb. at $1 per 100 lb.	10.00
Fresh corn, 310 dozen at 15 cents	32.25
Cucumbers, 17 dozen at 20 cents	3.40
Peas, 350 lb. at $4 per 100 lb.	14.00
Spinach, 415 lb. at $3 per 100 lb.	12.45
Lettuce, 25 dozen at 50 cents	12.50
	$13,664.60

Sundries sold to Sanatorium, etc.

Beef and beef products, 57,498 lb. at 8¾ cents	$5,031.06
Pork, 13,690 lb. at 8⅜ cents	1,146.61
Bacon, 12,218 lb. at 18 cents	2,199.24
Ham, 12,555 lb. at 16¼ cents	2,040.19
Sausages, 3,853 lb. at 12 cents	462.36
Bakeasy, 1,162 lb. at 8 cents	92.96
Lard, 4,086 lb. at 7 cents	286.02
Scrap lard, 3,760 lb. at 6¼ cents	235.00
Sundries sold to Provincial Home, etc.	7,269.19
	$18,762.63

Milk produced from Dairy Herd.

85,604.5 gallons milk at 40 cents	34,241.80
	$53,004.43

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