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SESSIONAL PAPERS

VOL. LI.—PART V.

FIFTH SESSION

OF THE

FOURTEENTH LEGISLATURE

OF THE

PROVINCE OF ONTARIO

SESSION 1919

TORONTO:

Printed and Published by A. T. WILGRESS, Printer to the King's Most Excellent Majesty
1919

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THE RYERSON PRESS.

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- No. 1 Public Accounts of the Province for the year ending 31st October, 1918. Presented to the Legislature, 6th March, 1919. *Printed.*
- No. 2 Estimates—Supplementary, for the service of the Province for the year ending 31st October, 1919. Presented to the Legislature, 6th March, 1919. *Printed.* Further Supplementary Estimates. Presented to the Legislature, 7th April, 1919. *Printed.* Estimates for the year ending 31st October, 1920. Presented to the Legislature, 14th April, 1919. *Printed.*

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- No. 3 Report of the Minister of Lands, Forests and Mines for the year 1918. Presented to the Legislature, 17th April, 1919. *Printed.*
- No. 4 Report of the Bureau of Mines, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*
- No. 5 Report of the Inspector of Division Courts, for the year 1918. Presented to the Legislature, 6th March, 1919. *Printed.*
- No. 6 Report of the Inspector of Legal Offices, for the year 1918. Presented to the Legislature, 20th March, 1919. *Printed.*
- No. 7 Report of the Inspector of Registry Offices, for the year 1918. Presented to the Legislature, 20th March, 1919. *Printed.*
- No. 8 Report of the Provincial Municipal Auditor, for the year 1918. Presented to the Legislature, 15th April, 1919. *Printed.*

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- No. 9 Report of the Commissioners for the Queen Victoria Niagara Falls Park, for the year 1918. Presented to the Legislature, 28th February, 1919. *Printed.*
- No. 10 Report of the Inspector of Insurance for the year 1918. Presented to the Legislature, 3rd April, 1919. *Printed.*

- No. 11 Report of the Registrar of Friendly Societies. Transactions for the year 1918. Presented to the Legislature, 3rd April, 1919. *Printed.*
- No. 12 Financial Statements made by Loan Corporations, Building Societies, Loaning Land Companies and Trust Companies, for the year 1918. Presented to the Legislature, 3rd April, 1919. *Printed.*

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- No. 13 Report of the Minister of Public Works of the Province, for the year 1918. Presented to the Legislature, 18th March, 1919. *Printed.*
- No. 14 Report of the Game and Fisheries Department, for the year 1918. Presented to the Legislature, 11th April, 1919. *Printed.*
- No. 15 Report on Highway Improvement in the Province, for the year 1918. Presented to the Legislature, 11th April, 1919. *Printed.*
- No. 16 Report of the Trades and Labour Branch for the year 1918. Presented to the Legislature, 11th April, 1919. *Printed.*
- No. 17 Report of the Minister of Education, for the year 1918. Presented to the Legislature, 8th April, 1919. *Printed.*
- No. 18 Report of the Board of Governors of the University of Toronto, for the year ending 30th June, 1918. Presented to the Legislature, 26th February, 1919. *Printed.*

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- No. 19 Report of the Secretary and Registrar of the Province, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*
- No. 20 Report upon the Registration of Births, Marriages and Deaths, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*
- No. 21 Report of the Provincial Board of Health, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*
- No. 22 Report on the Hospitals for the Insane, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*
- No. 23 Report on Hospitals for Idiots and Epileptics. *Not presented.*

No. 24 Report on Hospital for Feeble-minded, Orillia, for the year 1918, and Part II. on Feeble-minded in Ontario. Presented to the Legislature, 9th and 15th April, 1919. *Printed.*

No. 25 Report upon the Hospitals and Charities, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*

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No. 26 Report upon the Prisons and Reformatories for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*

No. 27 Report upon Neglected and Dependent Children, for the year 1918. Presented to the Legislature, 15th April, 1919. *Printed.*

No. 28 Report upon the Operation of the Ontario Temperance Act, for the year 1918. Presented to the Legislature, 11th April, 1919. *Printed.*

No. 29 Report of the Department of Agriculture, for 1918. Presented to the Legislature, 9th April, 1919. *Printed.*

No. 30 Report of the Agricultural College and Agricultural Farm, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*

No. 31 Report of the Ontario Veterinary College, for the year 1918. Presented to the Legislature, 16th April, 1919. *Not printed.*

No. 32 Report of the Ontario Agricultural and Experimental Union, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*

No. 33 Report of the Stallion Enrolment Board, for the year 1918. Presented to the Legislature, 6th March, 1919. *Printed.*

No. 34 Report of the Ontario Vegetable Growers' Association, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*

No. 35 Report of the Corn Growers' Association, for the year 1918. Presented to the Legislature, 16th April, 1919. *Not Printed.*

No. 36 Report of the Entomological Society of Ontario, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*

No. 37 Report of the Ontario Bee-Keepers' Association, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*

No. 38 Report of the Dairymen's Association of Ontario, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*

- No. 39 Report of the Live Stock Associations of Ontario, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*
- No. 40 Report of the Farmers' Institutes of Ontario. *Dropped.*
- No. 41 Report of the Women's Institutes of Ontario, for the year 1918. Presented to the Legislature, 6th March, 1919. *Printed.*

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- No. 42 Report of the Agricultural Societies of Ontario, for the year 1918. Presented to the Legislature, 6th March, 1919. *Printed.*
- No. 43 Report of the Horticultural Societies of Ontario, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*
- No. 44 Report of the Fruit Growers' Association of Ontario, for the year 1918. Presented to the Legislature, 9th April, 1919. *Printed.*
- No. 45 Report of the Horticultural Experiment Station, Vineland Station, Ontario, for the year 1918. Presented to the Legislature, 17th April, 1919.
- No. 46 Report of the Statistics and Publications Branch of Department of Agriculture, for the year 1918. Presented to the Legislature, 16th April, 1919. *Printed.*
- No. 47 Report of the Bureau of Municipal Affairs for the year 1918. Presented to the Legislature, 17th April, 1919. *Not printed.*
- No. 48 Report of the Temiskaming and Northern Ontario Railway, for the year 1918. Presented to the Legislature, 11th April, 1919. *Printed.*

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- No. 49 Report of the Hydro-Electric Power Commission, for the year 1918. *Not presented. See No. 57.*
- No. 50 Report of the Ontario Railway and Municipal Board, for the year 1918. Presented to the Legislature, 26th March, 1919. *Printed.*
- No. 51 Return from the Records of the By-Elections in 1918-19. Presented to the Legislature, 12th March, 1919. *Printed.*

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- No. 52 Report of the Archivist of Ontario, for the year 1918. Presented to the Legislature, 3rd April, 1919. *Printed.*

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- No. 53 Report on the State of the Legislative Library. Presented to the Legislature, 26th February, 1919. *Not printed.*
- No. 54 Statements of Provincial Auditor under Audit Acts. Presented to the Legislature, 26th March, 1919. *Printed.*
- No. 55 Report of the Workmen's Compensation Board, up to 31st December, 1918. Presented to the Legislature, 17th April, 1919. *Printed.*
- No. 56 Report of the Ontario Insurance Commission. Presented to the Legislature, 26th February, 1919. *Printed.*
- No. 57 Report of G. T. Clarkson upon the Accounts of the Hydro-Electric Power Commission of Ontario. Presented to the Legislature, 4th March, 1919. *Printed.*
- No. 58 Second Interim Report on Venereal Disease. Presented to the Legislature, 26th February, 1919. *Printed.*
- No. 59 Return to an Order of the House of the 13th March, 1918, for a Return of the names of all Coroners, and their addresses in the City of Toronto, also the number of inquests held by each one, each year during the last five years, namely, from January 1st, 1912, until December 31st, 1918, also the amount of money each received, each year during the period named for their services as Coroners. Presented to the Legislature, 26th February, 1919. *Mr. Crawford. Not printed.*
- No. 60 Return to an Order of the House of the 7th March, 1918, for a Return shewing—1. How many persons who have been convicted and sentenced to imprisonment under the Ontario Temperance Act have been discharged without completing the term for which they were sentenced. 2. How many persons fined under the said Act have had their fines or some portion thereof remitted. Presented to the Legislature, 26th February, 1919. *Mr. Munro. Not printed.*
- No. 61 Return to an Order of the House of the 18th March, 1918, for a Return shewing—1. What number of accidents have been reported to and dealt with by the Workmen's Compensation Board for accidents caused to workmen engaged in Munition Plants. 2. What amount do the manufacturers of munitions pay in comparison to the amount paid by other manufacturers. 3. Is the amount based on a percentage higher than on manufacturers of a somewhat similar character so as to provide for the possibility

of munition factories ceasing to operate within the near future and yet have large claims left to be provided for. Presented to the Legislature, 26th February, 1919. Mr. *Richardson*. *Not printed*.

- No. 62 Return to an Order of the House of the 13th March, 1918, for a Return shewing copies of all communications and correspondence between the Attorney-General, J. H. Rodd, Crown Attorney for the County of Essex, Dr. St. Pierre and H. C. Maisonville of Windsor, Ontario, in the matter of an alleged conspiracy on the part of the said J. H. Rodd against the said St. Pierre and Maisonville in connection with the trouble which occurred at Ford City, Ontario, on or about the eighth day of September, 1917, and which led to the arrest of the said St. Pierre. Presented to the Legislature, 26th February, 1919. Mr. *Racine*. *Not printed*.
- No. 63 Return to an Order of the House of the 21st March, 1918, for a Return of the copies of—1. All correspondence between the Minister of Lands, Forests and Mines, or any member, officer or official of the Government, and the firm of F. McGibbon & Sons, Lumber Merchants, Sarnia, or the firm McGibbon Lumber Company, of Penetanguishene, in reference to the renewal of the license granted to the last named company to cut timber on Franklin Island, in Parry Sound. 2. Copy of the original agreement with the McGibbon Lumber Company, of Penetanguishene, in which the said company was given the right to cut pine timber on the said island. 3. Copy of the license and renewals (if any) granted to the said McGibbon Lumber Company. 4. Copy of the agreement made with the license granted to the Hope Lumber Company of Thessalon, Ontario (now owned by White, Gratwich & Mitchell on Garden River), about the same time; and copies of all correspondence between the said Hope Lumber Company or White, Gratwich & Mitchell and the Government or any officer or official thereof in reference to the sale of timber to either company. 5. Copies of the renewals of licenses to the Hope Lumber Company or White, Gratwich & Mitchell (if any). 6. The date when the license to the McGibbon Lumber Company was cancelled. 7. How the money derived from the said license was expended. 8. The number of licenses which have been renewed during the present year in the District of Parry Sound, and in whose names these licenses stand. Presented to the Legislature, 26th February, 1919. Mr. *Proudfoot*. *Not printed*.
- No. 64 Copies of Regulations and Orders-in-Council under Section 27 of the Department of Education Act. Presented to the Legislature, 3rd March, 1919. *Not printed*.

- No. 65 Report of the Ontario Housing Committee, including standards for inexpensive houses adopted for Ontario with typical plans. Presented to the Legislature, 4th April, 1919. *Printed.*
- No. 66 Regulations of the Provincial Board of Health *re* Communicable Diseases approved by His Honour. Presented to the Legislature, 20th March, 1919. *Not printed.*
- No. 67 Return to an Order of the House of the 24th March, 1919, for a Return shewing:—1. How much money has been spent in connection with the soldiers' land settlement scheme at Kapuskasing. 2. How many acres have been cleared for crop; and what other improvements have been made, and by whom. 3. How many soldiers availed themselves of the opportunity afforded by the scheme. 4. How many soldiers are still there. 5. At what price *per* acre is this land available. Presented to the Legislature, 3rd April, 1919. Mr. *Bowman* (*Manitoulin*). *Not printed.*
- No. 68 Return to an Order of the House of the 24th March, 1919, for a Return shewing:—1. How many Crown Land Agencies exist in the Districts of Muskoka and Parry Sound. 2. What are the names of the agents and dates of appointment. 3. What is the remuneration paid to each agent. 4. What are the duties of the agents. Presented to the Legislature, 3rd April, 1919. Mr. *Proudfoot*. *Not printed.*
- No. 69 Return to an Order of the House of the 7th March, 1919, for a Return shewing if:—1. General Manly Sims had been appointed Agent-General for Ontario, at London, England. If so, at what date. 2. What is his age, and what period of time has he ever spent in Ontario, and in what employment. 3. Is he a native-born Canadian. 4. Is he a British or Canadian Officer. 5. If the former, why was not some qualified Canadian Officer from Ontario appointed to fill the Post. 6. Were any Canadian Officers applicants or recommended for the position, and if so, what were the names of such Officers and on what grounds was each respectively refused. 7. Was the appointment made upon the recommendation of the Civil Service Commissioner of Ontario. 8. What is the salary or remuneration that the Province of Ontario pays to General Sims, and what perquisites, if any, in addition to his salary does he receive. 9. Is the appointment a permanent one, or if not, for what period and on what terms as to time of service. Presented to the Legislature, 3rd April, 1919. Mr. *Dewart*. *Not printed.*
- No. 70 Return to an Order of the House of the 24th March, 1919, for a Return shewing:—What are the details of the receipts by Corporations of the Provincial taxes included in the Revenue of the Department of Lands, Forests and Mines for the year end-

ing October 31st, 1918, at page a32 at the sum of \$863,457.75. Presented to the Legislature, 3rd April, 1919. Mr. Pinard. *Not printed.*

- No. 71 Return to an Order of the House of the 4th day of April, 1919, for a Return shewing:—1. What is the total amount of the grants withheld from the Roman Catholic Schools of Ottawa. 2. In what years were such grants withheld. 3. What amount was withheld in each respective year. 4. Has the money for grants withheld from the Roman Catholic Separate Schools of Ottawa been kept in a separate fund. 5. Have these amounts been revoked in any succeeding session of the Legislature. Presented to the Legislature, 10th April, 1919. Mr. Pinard. *Not printed.*
- No. 72 Report of the Civil Service Commissioner, 1918. Presented to the Legislature. 10th April, 1919. *Printed.*
- No. 73 Return to an Order of the House of the 24th March, 1919, for a Return of:—1. Copies of all documents covering the original sale to one J. J. Carrick, of the City of Port Arthur, of certain pulpwood limits in the Pic River and Black Sturgeon River Districts of Thunder Bay. 2. Copies of all agreements connected therewith or supplementary thereto. 3. Copies of all letters and telegrams which passed between the Government or any member or official thereof and the said Carrick or any one on his behalf, in reference to the said limits.—Presented to the Legislature. 15th April, 1919. Mr. Proudfoot. *Not printed.*
- No. 74 Return to an Order of the House of the 4th March, 1919, for a Return shewing what building it is proposed to cover by insurance out of the following items appearing in the Supplementary Estimates for the fiscal year ending October 31st, 1919:—(a) \$4,000.00, Item No. 1, Vote No. 187; (b) \$1,000.00, Item No. 9, Vote No. 194. Presented to the Legislature, 15th April, 1919. Mr. Pinard. *Not printed.*
- No. 75 Report of the Bureau of Municipal Affairs *re* Housing, including Acts, Rules and Regulations, Housing Standards, Provisions and Forms for 1919. Presented to the Legislature, 15th April, 1919. *Not printed.*
- No. 76 Return to an Order of the House of the 28th March, 1919, for a Return shewing all correspondence between any Department of the Government or Minister, or Official, and the British America Nickel Corporation, Limited, or any Official or Director thereof or person representing the said Company, regarding the refining of Nickel or other Minerals by the said Company, the establishment of a Refinery or other works and the location of the same in Ontario, and as to the location of the Refinery where

-
- it is now being erected in the Province of Quebec, and all documents relating in any way thereto. Presented to the Legislature, 15th April, 1919. Mr. *Dewart*. *Not printed*.
- No. 77 Copies of Orders-in-Council designating the Convalescent Home for Women, Ottawa, and the Salvation Army Women's Hospital, Bloor Street East, Toronto, as Hospitals to which aid may be granted pursuant to Section 14 of The Hospitals and Charities Institutions Act. Cap. 300, R.S.O., 1914. Presented to the Legislature, 17th April, 1919. *Not printed*.
- No. 78 Report of the Soldiers' Aid Commission. Presented to the Legislature, 17th April, 1919. *Not printed*.
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REPORT

OF THE

Secretary and Registrar

OF THE

PROVINCE OF ONTARIO

FOR THE YEAR

ENDING 31st DAY OF OCTOBER

1918

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO



TORONTO :

Printed by A. T. WILGRESS, Printer to the King's Most Excellent Majesty

1919

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To His Honour SIR JOHN STRATHEARN HENDRIE, Knight Commander of the most Distinguished Order of St. Michael and St. George, Commander of the Royal Victorian Order, a Colonel in the Militia of Canada, etc., etc.,

Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned begs respectfully to present to Your Honour, the report prepared with respect to the chief transactions of the Department of the Secretary and Registrar of the Province of Ontario during the year ending the 31st day of October, 1918.

WM. DAVID MCPHERSON,

Secretary and Registrar of the Province of Ontario.

Provincial Secretary's Office,
Toronto, March 28th, 1919.

REPORT

OF THE

SECRETARY AND REGISTRAR

OF THE PROVINCE OF ONTARIO

For the Year ending October 31st, 1918

PROVINCIAL SECRETARY'S OFFICE,

TORONTO, March 28th, 1919.

To the Honourable

WM. DAVID McPHERSON,

Secretary and Registrar of the Province of Ontario.

SIR,—I beg leave to submit the Annual Report of the Provincial Secretary's office for the year ending October 31st, 1918, showing details of the various services rendered by the office during that period.

The following table shows the fees as they were received month by month:

STATEMENT OF OFFICE FEES RECEIVED, BY MONTHS, 1918.

November	\$7,805 00
December	6,216 05
January	20,334 70
February	18,976 27
March	12,624 10
April	11,361 55
May	10,077 55
June	10,043 85
July	9,669 00
August	7,926 75
September	8,603 85
October	7,748 70
Total	\$131,387 37

STATEMENT OF SOURCE OF FEES RECEIVED DURING 1918.

Letters Patent, Licenses, etc.	\$102,510 75
Companies' Returns	25,946 60
Commissions	1,560 02
By-laws, Copies and Searches	1,370 00
Total	\$131,387 37

NUMBER OF CHARTER, LICENSES, ETC., ISSUED.

Year.	Number of Instruments.	Fees.
1892.....	158	\$6,780 00
1893.....	138	8,465 00
1894.....	139	7,729 00
1895.....	174	10,000 00
1896.....	154	14,335 00
1897.....	358	34,650 00
1898.....	295	23,820 00
1899.....	416	60,817 00
1900.....	438	71,179 00
1901.....	450	75,782 00
1902.....	591	95,330 00
1903.....	578	107,166 00
1904.....	673	87,177 00
1905.....	828	108,621 00
1906.....	1,045	181,998 11
1907.....	1,067	227,312 90
1908.....	924	132,252 50
1909 (ten months).....	828	171,695 80
1909-10.....	1,110	183,780 45
1910-11.....	1,211	235,662 10
1911-12.....	1,288	232,079 05
1912-13.....	1,305	232,364 35
1913-14.....	1,120	176,270 05
1914-15.....	1,080	80,744 75
1915-16.....	1,265	109,276 00
1916-17.....	930	133,503 30
1917-18.....	1,047	102,510 75

The usual Tables and Appendices accompany this Report.

All of which is respectfully submitted.

F. V. JOHNS,

Assistant Provincial Secretary.

List of Companies Incorporated for the year 1918, ending October 31st.

Name.	Address.	Capital.
A		
Andrew Agency, Limited, The	Port Arthur....	40,000
Auto-Printing Register Company of Canada, Limited, The ...	Toronto.....	40,000
Auto Road Construction Company, Limited	Niagara Falls...	600,000
Acme Coal and Coke Company, Limited	Toronto.....	40,000
Aurora Foundries, Limited	Aurora.....	40,000
Acme Engineering Company, Limited	Toronto.....	125,000
Acme Waste Manufacturing Company, Limited	Toronto.....	40,000
Aberdeen Realty Company, Limited	Toronto.....	100,000
Allenford Rural Telephone Company, Limited	Allenford.....	15,000
Auto Oil Company, Limited (No personal liability)	Toronto.....	250,000
Ætna Gold Mines, Limited (No personal liability)	Toronto.....	1,000,000
Adams Coal Company, Limited	Toronto.....	40,000
Advertising Sign Company, Limited	Toronto.....	40,000
Arrow Service, Limited	Toronto.....	40,000
Adanac Film Company, Limited	Toronto.....	40,000
Anderson Brothers, Limited	Kingston.....	100,000
Anker-Holth Manufacturing Company, Limited	Sarnia.....	40,000
Andrich & Hyndman, Limited	Palmerston.....	50,000
Auto Sales Company, Limited	Owen Sound....	10,000
Authors and Cox, Limited	Toronto.....	50,000
Atic Lake Mines, Limited (No personal liability)	Toronto.....	40,000
Automotive Transports, Limited	Toronto.....	250,000
Allen's Danforth Theatre, Limited	Toronto.....	300,000
Alliston Milling and Manufacturing Company, Limited	Toronto.....	500,000
B		
Bowes Creamery Company, Limited	Toronto.....	40,000
(British) Young High Velocity	Toronto.....	250,000
Bulmer's, Limited	Toronto.....	25,000
Braidberg and Company, Limited, H.	St. Catharines..	40,000
British Canadian Toy Company, Limited, The	Toronto.....	40,000
Boat Lake Telephone Company, Limited	Warton.....	750
Betty's, Limited	Toronto.....	40,000
Bryans, Limited	Sault Ste. Marie.	40,000
Bisco Doll Company, Limited	Toronto.....	40,000
Buckels, Limited	Toronto.....	40,000
Bennet Company, Limited, The J.	Toronto.....	40,000
Brantford Realty Company, Limited	Brantford.....	100,000
Bryson Estate, Limited	Ottawa.....	300,000
Buckingham Mines, Limited, The (No personal liability) ...	Toronto.....	1,000,000
Bennett & Son, Limited, I. W.	Gananoque.....	50,000
Belle River Oil Company, Limited	Walkerville.....	40,000
Bouron Brothers, Limited	Hamilton.....	50,000
Brenner & Company, Limited, N.	Toronto.....	50,000
Bodi-Tone Company, Limited	Toronto.....	5,000
Beachburg Rural Telephone Company, Limited, The	Westmeath.....	2,500
Bay Manufacturing Company, Limited, The	North Bay.....	40,000
Belvoir Stock Farms, Limited	London.....	40,000
B.S.L. Company, Limited, The	Toronto.....	40,000
Bancroft Marble Quarries, Limited, The	Toronto.....	300,000
Beattie, McIntyre, Limited	Toronto.....	40,000
Boys' Wear, Limited	Toronto.....	40,000
Braeside Lodge Sanatorium, Limited	Toronto.....	60,000
Benson, Johnston, Limited	Hamilton.....	40,000
British American Feldspar, Limited (No personal liability) ..	Toronto.....	100,000
C.		
Canadian Gambite Company, Limited	Hawkesbury....	100,000
Colonial Coal and Coke Company, Limited	Toronto.....	40,000
Canadian General Lumber Company, Limited	Toronto.....	200,000

List of Companies Incorporated for the year 1918, ending October 31st.—Continued.

Name.	Address.	Capital.
Canada Pulpwood Exporters, Limited	Toronto	40,000
College Street Cartage and Storage Company, Limited	Toronto	40,000
Comfort Manufacturing Company, Limited	Toronto	40,000
Chaplin Realty Company, Limited	St. Catharines	10,000
Canadian Remedy Company, Limited	Toronto	30,000
Cobalt Smelting and Mining Company, Limited (No personal liability)	Toronto	40,000
Color Craft, Limited	Toronto	40,000
Calculator Agency, Limited	Toronto	40,000
Carr and Company, Limited, H. N.	Hamilton	20,000
Classics Hosiery, Limited	Toronto	40,000
Cadwell Brick Company, Limited	Windsor	200,000
Cambefort Cheese Company, Limited	Gore Bay	40,000
Canadian Industrial Minerals, Limited	Toronto	500,000
Co-Operative Supply Company, Limited, The	Kingsville	25,000
Crescent Dairy Company, Limited, The	Fort William	40,000
Consolidated Lumber Company, Limited	Toronto	500,000
Craig-Stell, Limited	Midland	10,000
Canada Cleaning Company, Limited	Toronto	40,000
Carter Decorating Company, Limited	Sarnia	40,000
Coulter's, Limited	Toronto	100,000
Churchill Mining and Milling Company, Limited (No personal liability)	Toronto	1,000,000
Clemora Realty Company, Limited	Ottawa	250,000
Continental Chemical Company, Limited	Kingston	100,000
Canadian Fluorite, Limited (No personal liability)	Toronto	500,000
Cleanall Soap Company, Limited	Toronto	40,000
Citizens' Taxi-Car and Garage Service, Limited	Hamilton	40,000
Canadian Standard Products, Limited	St. Catharines	100,000
Colorado-Ontario Development Company, Limited	Toronto	40,000
Canadian Forging and Socket Company, Limited	Tilbury	50,000
Canadian Guide to Bonded Lawyers, Limited, The	Toronto	40,000
Canadian Bee Supply and Honey Company, Limited, The	Toronto	40,000
Canadian Coal Company, Limited	Sault Ste. Marie	40,000
Canadian Stoves, Limited	Toronto	40,000
Campbell Grain and Feed Company, Limited, The	Toronto	500,000
Canada Pulpwood Exporters, Limited	Toronto	24,000
Caswell Lumber Company, Limited	Sudbury	40,000
Clyde Cars Company, Canada, Limited, The	Toronto	50,000
Canada Importing and Produce Company, Limited	Listowel	40,000
Canadian Barber & Specialty Company, Limited, The	Toronto	20,000
Contact Bay Mines, Limited (No personal liability)	Toronto	200,000
Cambray Telephone Company, Limited, The	Cambray	10,000
Champlain Club of Ottawa, Limited	Ottawa	40,000
Crocker Press, Limited	Toronto	40,000
Conway, Limited, J.	Toronto	10,000
Commercial Agencies, Limited	Toronto	40,000
Canada Bottle and Junk Company, Limited	Toronto	40,000
D		
Dominion Shipbuilding Company, Limited	Toronto	1,000,000
Dominion Lumber and Coal Co., Limited	Hamilton	40,000
Dufferin Land Corporation, Limited, The	Hamilton	40,000
Duke Street Realty Company, Limited, The	Hamilton	40,000
Duck Lake Mining Company, Limited, The (No personal liability)	Fort William	250,000
Dunwich and Dutton Telephone Company, Limited, The	Dutton	6,000
DeFoe, Wilson Limited	Toronto	40,000
Dominion Knitting Mills, Limited	Toronto	36,000
Dillon Manufacturing Company, Limited, The	Oshawa	75,000
Dargan Lumber Company, Limited	Toronto	40,000
Dominion Mineral Resources, Limited	Toronto	40,000

List of Companies Incorporated for the year 1918, ending October 31st.—Continued.

Name.	Address.	Capital.
Dyrob Steel Tools, Limited, The	Toronto.....	100,000
Dress Essentials, Limited	Toronto.....	40,000
Donnen Feldspar Company, Limited, The	Ottawa.....	100,000
Dickinson Dye Works, Limited, The	Toronto.....	40,000
Dixie Produce Company, Limited	Toronto.....	40,000
Davenport Investments, Limited	Toronto.....	40,000
Dim-Rite Specialties, Limited	Welland.....	60,000
Detroit Glencoe Oil Company, Limited	Glencoe.....	650,000
Dyke & Sons, Limited, J.	Fort William..	250,000
Daly Drug Company, Limited, The H. J.	Ottawa.....	40,000
Davison & Hughes Engraving & Lithographing Company, Limited, The	Toronto.....	40,000
Dalton Spice Company, Limited, The	Toronto.....	600,000
Doon Estates, Limited	Toronto.....	20,000
Dover Oil Company, Limited (No personal liability)	Toronto.....	1,000,000
Denby Motor Truck Company of Canada, Limited	Windsor.....	200,000
Dominion Macaroni Company, Limited	Hamilton.....	100,000
Dempster's, Limited	Brantford.....	50,000
Dundas Oil and Gas Company, Limited (No personal liability)	Toronto.....	500,000
Dryden Pulp and Paper Company, Limited	Dryden.....	1,000,000
Davis Bros., Limited	Sudbury.....	40,000
Dawson Township Telephone Company, Limited	Meldrum Bay..	850
Dominion Cone Company, Limited	Toronto.....	40,000
E		
Elco Bay and Waste, Limited	Toronto.....	40,000
Electric Insulation and Varnish Company, Limited	Toronto.....	60,000
Edwards and Wright, Limited (No personal liability)	Toronto.....	100,000
Excelsior and Wood Wool Company, Limited, The	Toronto.....	100,000
Elgin Manufacturing Company, Limited, The	London.....	250,000
Essex Farmers, Limited	Essex.....	35,000
Electric Oil and Gas Heating Company, Limited, The	Toronto.....	100,000
Emendy's, Limited	Toronto.....	40,000
Eldorado Mining and Milling Company, Limited (No personal liability)	Toronto.....	500,000
Ellis and Howard, Limited	Kitchener.....	40,000
Excelsior Gas and Oil Company, Limited, The	Hamilton.....	40,000
Edwards, Limited, Gordon C.	Toronto.....	600,000
F		
Farmers' Publishing Company, Limited, The	Toronto.....	500,000
Farmer Fertilizer Company, Limited, The	Wingham.....	50,000
Fisher Company, Limited, F. W.	Toronto.....	40,000
Federal Cold Storage and Warehousing Company, Ltd., The..	Toronto.....	100,000
Fig Lax Laboratories Limited, The	Woodstock.....	50,000
French Bay Lumber Company, Limited	Sault Ste. Marie.	150,000
Fraser Wool Company, Limited	Toronto.....	100,000
Fisher Flour Mills Company, Limited	Barrie.....	60,000
Ferguson and Wheatley, Limited	Collingwood.....	40,000
Fox's, Limited	Fort William..	40,000
Fuller, Limited, George R.	Toronto.....	40,000
Fowler Hardware, Limited	Sudbury.....	40,000
G		
Grit Press, Limited	Toronto.....	100,000
Great Western Chemical Corporation, Limited (No personal liability)	Port Arthur....	1,500,000
Golden Gate Mining Company, Ltd. (No personal liability) ..	Toronto.....	40,000
Gilbert Menzies Company, Limited, The A. C.	Toronto.....	100,000

List of Companies Incorporated for the year 1918, ending October 31st.—Continued.

Name.	Address.	Capital.
Galt Foundry Company, Limited	Galt.....	40,000
Greig, Morris and Blair, Limited	Toronto.....	50,000
Glen Grove Lands, Limited	Toronto.....	150,000
Great Lake Oil Refining Company, Limited	Toronto.....	1,750,000
Gamble Robinson, North Bay, Limited	North Bay.....	40,000
Goulais Bay Telephone Company, Limited	Goulais River...	6,000
Grant Company, Limited, The T. D.	Guelph.....	40,000
Goudies, Limited	Kitchener.....	100,000
General Research and Development Company, Limited	Toronto.....	100,000
Grimshaw Wool Company, Limited, The	Toronto.....	50,000
Gratton, Limited	Toronto.....	40,000
Glover Basket Company, Limited	Burlington.....	100,000
Gold Lake Mining Company, Limited	Toronto.....	1,000,000
Gelber Bros., Limited	Toronto.....	200,000
Glennie and Moore, Limited	Galt.....	40,000
Goodwin and Company, Limited	Sarnia.....	40,000
Guelph Paper Box Company, Limited	Guelph.....	40,000
Glendale Spinning Mills, Limited	Hamilton.....	50,000
Gophir Diamond Company, Limited, The	Toronto.....	40,000
H		
Hamilton Automobile Supply Company Limited, The	Hamilton.....	40,000
Hop-Malt Company, Limited	Hamilton.....	40,000
Howrey Creek Mining Company, Ltd. (No personal liability)	Toronto.....	1,000,000
Hull Construction, Limited	Toronto.....	40,000
High Park Club	Toronto.....	20,000
Henderson Farmers' Line, Limited	Toronto.....	40,000
Hercules Rubber Company, Limited	Toronto.....	150,000
Hillock, Limited, Frank	Toronto.....	100,000
Hamilton Leather Goods Company, Limited	Hamilton.....	100,000
Hamilton Mansions, Limited	Hamilton.....	100,000
Hacking's, Limited	Listowel.....	100,000
Haldimand Machine Company, Limited	Dunnville.....	40,000
Howe Fish Company, Limited, The	Pt. Stanley.....	100,000
Hill Gold Mining Company, Limited (No personal liability)	Toronto.....	3,000,000
Harrison, Limited, R. A.	Dunnville.....	40,000
Hallman Company, Limited, The	Toronto.....	40,000
House Repair Company, Limited	Toronto.....	40,000
Highgate Milling Company, Limited	Highgate.....	80,000
Hawley Company, Limited, John S.	Toronto.....	40,000
Harmak Mining Company, Limited	Toronto.....	300,000
Higgins, Limited, J. J.	Toronto.....	40,000
Hay Brothers, Limited	Listowel.....	100,000
Hewart and Wood, Limited	Toronto.....	100,000
Hadley Company, Limited, The C. and J.	Chatham.....	50,000
Hampshire Telephone Company, Limited, The	Orillia.....	1,400
Hewitson Company, Limited, J. F.	Port Arthur.....	40,000
I		
Ideal Box Lunch, Limited	Hamilton.....	40,000
Indian Trail Mines, Limited, The (No personal liability)	Toronto.....	1,000,000
Interprovincial Flour Mills, Limited	Renfrew.....	50,000
Interurban Engineering Company, Limited	Toronto.....	35,000
Ivy and Thornton Farmers' Stock and Grain Company, Ltd.	Thornton.....	100,000
Irving's, Limited	Ottawa.....	20,000
International Agencies, Limited	Toronto.....	40,000
Imperial Clothing Manufacturing Company, Ltd., The.....	Toronto.....	200,000
International Munitions, Limited	Toronto.....	40,000
Irons and Company, Limited, W. E.	Toronto.....	25,000

List of Companies Incorporated for the year 1918, ending October 31st.—*Continued.*

Name.	Address.	Capital.
J		
Jaimet and Company, J. C.	Kitchener.....	40,000
James and Smith, Limited	Toronto.....	40,000
Jobbers Realty, Limited	Toronto.....	100,000
Jarvis Agency, Limited, The	Fort William...	40,000
K		
Kent County Oil, Gas and Coal Company, Ltd. (No personal liability)	Windsor.....	40,000
Kline Fanning Mill Company, Limited	Beeton.....	40,000
Kitchener Realty, Limited	Kitchener.....	40,000
Kent Bridge Farmers' Co-operative Society, Limited, The ..	Kent Bridge....	25,000
Kent Ockley	Toronto.....	40,000
Kitchener Furniture Company, Limited, The	Kitchener.....	40,000
Keele Fair Construction Company, Limited	Toronto.....	40,000
K. & S. Canadian Tire & Rubber Company, Limited	Toronto.....	1,000,000
Kinsey Company, Limited, W. W.	Bracebridge....	40,000
Ketchum Manufacturing Company, Limited	Ottawa.....	40,000
Keppel Rural Telephone Company, Limited, The	Warton.....	1,680
L		
Lyndhurst Hospital	Toronto.....	40,000
Lyndroute Groceries, Limited	Toronto.....	40,000
Lauder, Spears and Howland, Limited	Toronto.....	250,000
Long and Wilson Hardware, Limited	Walkerville....	40,000
Lincoln County Greater Production Company, Limited	St. Catharines..	25,000
Lookout Mines, Limited (No personal liability)	Toronto.....	40,000
Langstaff Mercantile Company, Limited	Emo.....	40,000
London Oil Company, Limited (No personal liability)	London.....	40,000
Luton Farmers' Co-operative Club, Limited	Luton.....	3,000
Lincoln Meter Company, Limited, The	Toronto.....	100,000
Luhrmann, Limited, C. F.	Hamilton.....	40,000
Livingstone Rural Telephone Company, Limited	Livingstone Cr'k	3,300
M		
Maestolian Company, Limited, The	Toronto.....	100,000
Manitoulin Sheep Ranching Company, Limited	Toronto.....	100,000
Mattawin Contracting Company, Limited	Port Arthur....	40,000
Milton Shoes, Limited, The	Milton.....	40,000
Millard's Products, Limited	Toronto.....	40,000
Mica Products, Limited, The	Toronto.....	40,000
Middlesex Woollen Company, Limited	Toronto.....	40,000
Modern Theatres, Limited	Toronto.....	40,000
Marshall Ventilated Mattress Company, Limited, The	Toronto.....	50,000
Menard, McKeon Truck Company, Limited	Windsor.....	1,000,000
McDermid and Kyle, Limited	Stratford.....	40,000
Miller, Limited, L. E.	Toronto.....	40,000
Mackey Company, Limited, The	Toronto.....	40,000
Morris-Knowles, Limited	Windsor.....	40,000
Metals Chemical, Limited	Welland.....	1,000,000
Molybdenite Alloys, Limited	Toronto.....	500,000
Nuir Cap Company, Limited, The	Toronto.....	40,000
McMaster Lumber Company, Limited	Kemptville....	45,000
Manley's, Limited	Sarnia.....	40,000
Nihell and Gill Company, Limited, The	Strathroy....	18,000
Metals Chemical Development Company, Limited	Welland.....	40,000
Mulligan Pharmacy, Limited, The	Sudbury.....	40,000
Murphy, Bradley, Limited	Toronto.....	40,000

List of Companies Incorporated for the year 1918, ending October 31st.—Continued.

Name.	Address.	Capital.
Montreal-Kirkland Gold Mines, Limited (No personal liability)	Kirkland Lake	1,000,000
Mitchell, Limited, J. F.	Hamilton.....	40,000
Minerva Phonograph Company, Limited	Toronto.....	40,000
McLarty, Limited, R. W.	Toronto.....	75,000
Molybdenum Products Company, Ltd. (No personal liability) .	Wilberforce.....	1,075,000
Maberly Telephone Company, Limited	Maberly.....	1,500
Murray Company, Limited, Wm.	Toronto.....	40,000
Mercantile Securities, Limited	Toronto.....	600,000
Merrickville Milling and Manufacturing Company, Ltd, The.	Merrickville....	25,000
McCredie Tractors, Limited	St. Mary's.....	40,000
Maunder Milling Company, Limited	Lindsay.....	40,000
N		
Novelty Lace and Veiling Company, Limited, The	Toronto.....	100,000
Newman Brothers, Limited	St. Catharines..	100,000
Niagara Tool and Machinery Company, Limited, The	St. Catharines..	40,000
Northern Wood Products, Limited, The	Haileybury.....	40,000
Northern Gas and Gasoline Company	Hepworth.....	60,000
National Cabinet Company, Limited	Toronto.....	40,000
North Star Publishing Company Limited	Parry Sound....	40,000
Nepigon Reserve Iron Company, Ltd. (No personal liability)	Toronto.....	375,000
Northern Co-operative Company, Limited, The	Rydal Bank....	50,000
National Jobbing & Tailors' Supply Company, Limited	Toronto.....	40,000
National Shoe Manufacturing Company, Limited	Toronto.....	40,000
National Rubber Heel Company of Canada, Limited	St. Catharines..	200,000
Northway-Grant Company, Limited	Toronto.....	100,000
North Bonnechere Telephone Association, Limited	Renfrew.....	1,000
North Light Motor Company, Limited	New Hamburg..	50,000
North Birch Cliff Civic Improvement Association, Limited ..	Birch Cliff.....	10,000
New Ontario Co-operative Society, Limited, The	Cobalt.....	25,000
Nickel Lake Mining Company, Limited (No personal liability)	Port Frances....	1,000,000
O		
Oakwood Amusement Company, Limited	Toronto.....	40,000
Otton Hardware Co., Limited	Barrie.....	40,000
Ontario Hardwoods, Limited	Toronto.....	40,000
Ontario Market Gardens, Limited	Toronto.....	40,000
Ontario Oakoal Company, Limited	Toronto.....	105,000
Overlays Company, Limited, M. B.	Toronto.....	40,000
Ontario Business College	Belleville.....	30,000
Omeme Tanning Company, Limited, The	Toronto.....	40,000
Osborne-Saunders, Limited	Toronto.....	100,000
Orsiny Construction Company, Limited	Toronto.....	40,000
P		
Perfection Children's Cloak Company, Limited	Toronto.....	40,000
Port Elgin Fish Company, Limited	Kitchener.....	40,000
Pearson Brothers, Limited	Toronto.....	40,000
Peerless Carbon and Ribbon Company, Limited	Toronto.....	250,000
Pitt's, Limited	Toronto.....	50,000
Printing Service, Limited	Toronto.....	25,000
Peerless Rubber Company, Limited	Toronto.....	60,000
Patrick's Fair and Square, Limited	Hamilton.....	60,000
Process Engravers Realty Company, Limited	Toronto.....	75,000
Princess Theatre Company, Limited	Toronto.....	250,000
Paving and Mastic Company, Limited, The	Toronto.....	40,000
Porcupine River Improvement Company, Limited	Hoyle.....	1,000
Puncture Proof Tire Company, Limited	Toronto.....	40,000
Pears Realty Company, Limited	Toronto.....	20,000
Parry Sound Iron Company, Limited	Owen Sound....	2,000,000

List of Companies Incorporated for the year 1918, ending October 31st.—Continued.

Name.	Address.	Capital.
Pullan Manufacturing Company, Limited	Toronto.....	40,000
Petigorsky, Limited	Ottawa.....	40,000
Provincial Lumber Company, Limited	Toronto.....	40,000
Paudash Lake Molybdenite Mines, Limited (No personal liability)	Wilberforce.....	150,000
Perth Printing and Publishing Company, Limited	Stratford.....	80,000
Petrolia Printing and Publishing Company, Limited	Petrolia.....	25,000
Porcelain Products, Limited	Toronto.....	40,000
Pan American Film Company, Limited	Trenton.....	40,000
Port Colborne Supply Company, Limited	Port Colborne..	40,000
Plane Settlement Telephone Company, Limited	Madoc.....	2,000
Q		
Queen City Dental Manufacturing, Limited	Toronto.....	40,000
Quinte Transfer Company, Limited	Belleville.....	40,000
Queen City Vinegar, Limited	Toronto.....	90,000
Quinte Chemical Company, Limited	Deseronto.....	40,000
R		
Rae Machine Tool Works, Limited	Hamilton.....	45,000
R. B. Hill, Limited	Hamilton.....	75,000
Reliable Butchers & Grocers Company, Limited	Toronto.....	40,000
Raw Silk Corporation of Canada, Limited	Toronto.....	100,000
Ripley Peck Hardware Company, Limited	Windsor.....	60,000
Rapid Radiators, Limited	Toronto.....	40,000
Rondeau Fish Company, Limited	St. Thomas.....	40,000
Rawdon Threshing Company, Limited	Harold.....	5,000
Riverside Garbage Disposal Company, Limited	Kitchener.....	20,000
Regal Ladies' Wear, Limited	Toronto.....	40,000
Raper Piano Company, Limited, John	Ottawa.....	1,000,000
S		
Sudbury Knights of Columbus Home Association, Limited ..	Sudbury.....	31,000
Stevens Catering Company, Limited	Hailybury.....	40,000
Seneca Lumber Company, Limited, The	Kitchener.....	40,000
Searchmont Lumber Company, Limited	Searchmont.....	100,000
Superior Mines, Limited	Toronto.....	500,000
Stanley and Company, Limited, L. E.	Ottawa.....	40,000
Swaddling and Sons, Limited	Cobourg.....	40,000
Superior Lunch, Limited	Toronto.....	60,000
St. Catharines Taxicabs, Limited	St. Catharines..	40,000
Shilington Company, Limited, The	Blenheim.....	75,000
Schnauffer Company, Limited, The A. F.	Toronto.....	400,000
Sutherland Press, Limited, The	St. Thomas.....	40,000
Selak Orth, Limited	London.....	20,000
Sudbury Housing Association, Limited, The	Sudbury.....	100,000
Safety Stove Pipe Company, Limited, The	Toronto.....	50,000
Sherman Service, Limited	Toronto.....	1,000
Security Bond Corporation, Limited	Toronto.....	100,000
Silver Lake Ice and Fish Company, Limited	Hamilton.....	40,000
Southwold and Dunwich Telephone Association, Limited ..	Iona Station....	6,725
Sutcliffe and Bingham of Canada, Limited	Toronto.....	40,000
Spittal-Sparks Company, Limited	Hamilton.....	150,000
Shand Engineering and Contracting Company, Limited	Sault Ste. Marie.	40,000
Stone and Company, Limited, W. A.	Toronto.....	25,000
Smith Brothers Jewellers, Limited	Kingston.....	20,000
Sparling and Reeson, Limited	Cobourg.....	40,000
Smith-Foley Motion Picture Company, Limited	Toronto.....	50,000
Star Publishing Company of Windsor, Limited	Windsor.....	250,000
Shortreed Lumber Company, Limited, The	Toronto.....	40,000

List of Companies Incorporated for the year 1918, ending October 31st.—Continued.

Name.	Address.	Capital.
T		
Tanlac Company, Limited	Walkerville.....	40,000
Traders' Financial Company, Limited	Toronto.....	40,000
Times Journal of St. Thomas, Limited, The	St. Thomas.....	100,000
Turnbull Company Limited, The J.	Peterboro.....	100,000
Town Line Telephone Association of Stafford and Pembroke Limited	Stafford.....	880
Terminal Publishing Company, Limited	Fort William...	50,000
Thompson Brothers, Limited	Windsor.....	60,000
Toronto Cabinet Company, Limited	Toronto.....	40,000
U		
Universal Coal Company, Limited	Toronto.....	100,000
Universal Car Agency, Limited	Windsor.....	40,000
Union Garage & Motors, Limited	Toronto.....	40,000
United Inspection & Testing Laboratories, Limited	Toronto.....	40,000
United Auto Sales, Limited	Toronto.....	100,000
V		
Veteran Mechanical Farming Company, Limited	Toronto.....	50,000
Victory Gold Mines, Limited	Toronto.....	100,000
Vindicator Gold Mines, Limited (No personal liability)	Toronto.....	1,000,000
Victoria Rural Telephone Company, Limited	Walford Station.	4,000
W		
Walsh's Garage, Limited	Hamilton.....	40,000
Walkerville Brick and Tile Company, Limited, The	Walkerville.....	40,000
Wentworth Manufacturing Company, Limited	Toronto.....	300,000
Windsor Mausoleum Company, Limited, The	Windsor.....	10,000
Walker-Vallance, Limited	Hamilton.....	40,000
West Toronto Iron and Metal Company, Limited	Toronto.....	10,000
Walker and Son, Limited, W.	Toronto.....	75,000
West Lake Telephone Company, Limited	Sudbury.....	910
White and Sons, Limited, L.	Toronto.....	40,000
Western Securities Corporation, Limited	Toronto.....	20,000
Workmen's Book & Publishing Company, Limited, The	Toronto.....	40,000
Western Ontario Oil Company, Limited (No personal liability)	Toronto.....	1,000,000
Wright and Oakley, Limited	Toronto.....	40,000
Y		
York Farms, Limited	Toronto.....	40,000
York Chemical Works, Limited	Toronto.....	40,000
York Manufacturing Company, Limited	Toronto.....	20,000
Yolles and Rottenburg, Limited	Toronto.....	40,000

List of Corporations Licensed to do Business in Ontario.

Name of Corporation.	Where Incorporated.	Attorney.
A		
Armstrong Forest Company	New York	Albert Atcheson.
Alberta Pure Bred Holstein Development Company, Limited, The	Alberta	Charles B. Nasmith.
Amerlin Company	Delaware	F. C. Miles.
B		
Bird & Son	Dominion	Samuel G. Crowell.
Buckeye Traction Ditcher Company, The	Ohio	John Joseph Wallace.
Bearings Service Company	Delaware	W. R. P. Parker.
Brighton and Sussex Mutual Syndicate Limited	Gt. Britain & Ireland	Albert Ogden.
Balfour and Company, Limited, Arthur ..	Gt. Britain & Ireland	John L. Milner.
C		
Can Conservers of Canada, Limited	Dominion	Margaret Duncan Gray.
Chamberlain Company, The	Pennsylvania	Thomas A. Gibson.
Commercial Acetylene Supply Company ..	New Jersey	William H. Wool.
Caulk Company, The L. D.	Delaware	J. Doan Musselman.
Canadian National Carbon Company, Ltd ..	Dominion	Leighton McCarthy.
Crawley and McCracken Company	Illinois	George J. Valin.
Crane, Limited	Dominion	George Aaron Vowell.
Canners Seeds, Limited	Dominion	Robert Edward Wright.
F		
Fox Film Corporation, Limited	Dominion	Benjamin P. Rogers.
Falconbridge Mines, Limited	Dominion	George E. Buchanan.
G		
Gordon Ironside & Fares Packers, Ltd...	Dominion	James Harris.
I		
Internation Business Machines Company, Limited	Dominion	Frank E. Mutton.
L		
Lister and Company (Canada), Limited R. A.	Dominion	Walter J. Ellis.
M		
Montour Coal and Coke Company, Inc... ..	New York	John Percy Milnes.
Miner Shoe Company, Limited, The	Dominion	Gordon C. Yearsley.
N		
National Shipbuilding Company, Limited ..	Dominion	Wm. R. Wadsworth.
Nyando Pulp and Paper Corporation ..	Delaware	Wm. Arthur Dowler.
O		
Ontario Petroleum Company	South Dakota	John H. McLeod.
Oxo, Limited	Gt. Britain & Ireland	Alex. Mossman.

List of Corporations Licensed to do Business in Ontario.—Continued.

Name of Corporation.	Where Incorporated.	Attorney.
P		
Panex Corporation	Virginia	Clarence J. Brockbank.
Page Wire Fence Company of Canada, Limited	Dominion	Merton Church.
R		
Robbins Mining Company, The A. A. ...	New Jersey	Isadore Levinter.
Rainy Lake River Boom Corporation ...	Minnesota	Geo. C. Loveys.
S		
Sunset Soap Dye Company	Delaware	Harold F. Ritchie.
Slazenger's, Limited	Gt. Britain & Ireland.	Edward A. Parkes.
Shale Brick Company of Canada, Limited, The	Dominion	Peter L. Fraser.
W		
White Shoe Company, Limited	Dominion	Hugh White.

List of Corporations to whom Supplementary Licenses Were Issued.

Name.	Date.
A	
Abbott Laboratories, Limited (changing name)	Aug. 21, 1918.
Austin Company, The (changing name)	June 11, 1918.
B	
Barrett Company, Limited, The (changing name and increasing capital)	April 22, 1918.
C	
Childs Company (authorizing the Corporation to use in Ontario capital to the extent of \$100,000)	June 18, 1918.
D	
DeLaval Company, The	April 9, 1918.
L	
Lake Superior Paper Company, Limited (increasing the capital) ...	April 6, 1918.
M	
Mosher & Crawley Company (changing name)	June 11, 1918.
O	
Oneida Community, Limited (further increasing capital)	April 2, 1918.
P	
Pratt & Lambert, Inc. (increasing capital)	April 12, 1918.
S	
Saskatchewan Co-operative Elevator Company, The	Nov. 15, 1918.
Square, D., Company (changing name)	Feb. 14, 1918.
Standard Underground Cable Company of Canada (increasing capital)	Feb. 25, 1918.

List of Corporations to whom Licenses in Mortmain were Issued.

Name of Corporation.	Date
Fort Dearborn Trust and Savings Bank	June 11, 1918.
First Baptist Church and Society of Perington	October 10, 1918.

List of Companies whose Capital was Increased.

Name of Company.	From	To	Date
A			
Adanac Silver Mines, Limited (no personal liability)	2,500,000	3,000,000	Feb. 14, 1918.
B.			
Benjamin Moore & Company, Limited	160,000	250,000	Dec. 14, 1917.
Beaver Abitibi Lumber Company, Limited, The	300,000	1,000,000	Feb. 27, 1918.
C			
Corbet Foundry & Machine Company, Limited, The	40,000	100,000	May 10, 1918.
Canadian Buffalo Sled Company, Limited, The	40,000	100,000	May 27, 1918.
Canada Cycle & Motor Company, Limited	50,000	2,000,000	Jan. 7, 1918.
Credit River Works, Limited	150,000	200,000	Dec. 5, 1917.
Channell Chemical Company, Limited	75,000	150,000	Nov. 12, 1917.
D			
Drebner, Limited, D. A.	40,000	300,000	Feb. 14, 1918.
Dominion Wood & Lumber Company, Ltd. ...	250,000	500,000	Mar. 7, 1918.
Dods Knitting Company, Limited	100,000	350,000	Sept. 18, 1918.
E			
Edwards & Wright, Limited	100,000	1,000,000	June 23, 1918.
Eastern Mining & Milling Company, Ltd (No personal liability)	500,000	600,000	Sept. 26, 1918.
H			
Hygenic Containers, Limited	100,000	200,000	July 5, 1918.
Hyslop Brothers, Limited	100,000	500,000	Feb. 4, 1918.
I			
Inksetter-Meyers, Limited	100,000	200,000	July 10, 1918.
International Malleable Iron Company, Ltd. ...	250,000	500,000	Jan. 11, 1918.
K			
Kingan Hardware Company, Limited, The ...	20,000	40,000	April 8, 1918.
M			
Manitoulin Island Rural Telephone Company, Ltd.	7,000	9,800	Dec. 18, 1917.
Milnes Coal Company, Limited, The	100,000	250,000	June 15, 1918.
N			
Northwestern Elevator Company, Limited	250,000	1,000,000	Sept. 30, 1918.
O			
Ore Chimney Mining Company, Limited, The (No personal liability)	600,000	1,200,000	Mar. 21, 1918.

List of Companies whose Capital was Increased.—*Concluded.*

Name of Company.	From	To	Date
P			
Pratt Company Limited, The T. H.	40,000	100,000	April 12, 1918.
R			
Rogers, Limited, Wm. A.	2,400,000	3,000,000	Jan. 30, 1918.
Rural Publishing Company, Limited	100,000	140,000	June 24, 1918.
S			
Sparta Rural Telephone Company, Limited, The	4,500	5,256	April 23, 1918
Standard Woollen Mills Company of Toronto, Limited, The	100,000	300,000	Feb. 8, 1918.
Sanderson, Percy & Company, Limited	100,000	200,000	June 18, 1918.
Schneider & Sons, Limited, J. M.	60,000	200,000	Oct. 2, 1918.
Standard Silver Company of Toronto, Ltd., The	50,000	500,000	March 8, 1918
W			
Wolverton Milling Company, Limited, The ...	40,000	90,000	July 20, 1918.
Windsor Jockey Club, Limited	200,000	500,000	Sept. 24, 1918.
Windsor Asbestos Company, Limited (No personal liability)	500,000	600,000	April 11, 1918
U			
Union Lumber Company, Limited	50,000	500,000	Dec. 5, 1917.

List of Companies whose Capital was Decreased.

Name of Company.	From	To	Date
B			
Buffalo Mines, Limited, The (No personal liability)	750,000	500,000	Aug. 12, 1918.
L			
LaRose Mines, Limited (No personal liability)	6,000,000	1,500,000	Nov. 12, 1917.
P			
Prince Arthur Land & Development Company, Limited	300,000	100,000	Jan. 7, 1918.

List of Corporations whose Names were Changed.

From	To	Date
A.		
Abitibi Lumber Company, Limited	Beaver Abitibi Lumber Company, Limited, The	Nov. 5, 1917.
B.		
Berlin Table Manufacturing Company, Limited, The	Beaver Furniture Company, Limited, The	Aug. 1, 1918.
Bistrey's, Limited	La Paloma Sweets, Limited	June 25, 1918.
Black Building Supply Company, Limited	Drummond and Reeves, Limited	Nov 13, 1917.
Boeckh Brothers Company, Limited, The	The Boeckh Company, Limited	April 4, 1918.
C		
Coulter's, Limited	Coulter, Johnstone's Limited	May 9, 1918.
Clapp & Anderson, Limited	B. L. Anderson, Limited	Nov. 22, 1917.
Cummer Dowswell, Limited	Dowswell, Lees & Company, Limited	Dec. 1, 1917.
Canadian Association of Returned Soldiers (Ottawa District), The.	The Great War Veterans' Association of Canada (Ottawa Branch)	Dec. 10, 1917.
Canadian Hoskins, Limited	Hiram Walker & Sons, Metal Products, Limited	June 17, 1918.
D		
Daughters of Scotland Benevolent Association, The	The Daughters of Scotland	April 15, 1918.
Doyle-Dennert Tractor Company, Limited	Essex Tractor Company, Limited	Nov. 1, 1917.
E		
Emendy's, Limited	Middleman's, Limited	Sept. 24, 1918.
F		
Faircloth Company, Limited, The.	Faircloth & Winfield, Limited	Mar. 16, 1918.
G		
Gallagher Printing Company, Limited (W. E.)	The Quality Printers, Limited	Jan. 2, 1918.
Greig-Morris & Blair, Limited	Greig-Morris & Company, Limited.	Sept. 7, 1918.
George E. B. Grinyer Company, Limited, The	The Grinyer Company, Limited	May 27, 1918.
H		
Hall Motors, Limited	Auto Motors, Limited	Mar. 9, 1918.
I		
I. X. L. Laundry Company, Limited	The Sunlight Laundry Company Limited	Nov. 14, 1917.
K		
Ker Woodturning, Limited	Woodturning Products, Limited	April 30, 1918.
Kirkland Securities Corporation, Limited	Kirkland Securities, Limited	Aug. 1, 1918.

List of Corporations whose Names were Changed.—*Continued.*

From.	To	Date
L		
Laura Secord Candy Shops, Limited	Laura Secord Confections, Limited	Mar. 7, 1918.
Lang Brothers & Company, Limited	Lang, Treacy Company, Limited ..	April 11, 1918.
M		
Mono Mills Independent Telephone Association, Limited	Mono Mills Telephone Company, Limited	Jan. 1918.
Marsh & Henthorn, Limited	Marsh Engineering Works, Limited	Feb. 21, 1918.
N		
Niagara Grain & Feed Company, Limited	Niagara Grain & Flour Mills Company, Limited	Jan. 28, 1918.
Northern Riding and Driving Association, Limited	Kenilworth Jockey Club, Limited ..	Sept. 9, 1918.
O		
Ontario Storage & Cartage, Limited	The Howell Warehouses, Limited..	Oct. 23, 1917.
P		
C. L. Perkins, Limited	McMullen-Armstrong, Limited	Aug. 9, 1918.
R		
Railway Marine & General Hospital of Port Arthur, The	The General Hospital of Port Arthur	Feb. 19, 1918.
Routley & Summers, Limited	The Routley Road Company, Limited	April 30, 1918.
S		
Saxon Sales Company, Limited ...	Canada Motor Car Company, Limited	Mar. 22, 1918.
W		
Women's Patriotic & Red Cross League of Niagara Falls, The ..	Women's Patriotic League of Niagara Falls, The	Sept. 21, 1918.
Wormwith Piano Company, Limited, The	Weber Piano Company, Kingston, Limited	Sept. 25, 1918.

List of Corporations whose Powers were Extended.

Name.	Date.
A	
Austin Company, The (authorizing the Corporation to use, exercise and enjoy within the Province of Ontario, all the powers, privileges and rights set forth in the license issued to the Corporation under its original name	June 12, 1918.
I	
Irish & Maulson, Limited (confirming by-law converting preference shares not subject to redemption into preference shares subject to redemption	July 31, 1918.
K	
Kerr Lake Mines, Limited (relieving the Company from the provisions or sub-sections 1 and 2 of section 119 of The Ontario Companies Act)	Jan. 2, 1918.
M	
McGinley-Teck Gold Mines, Limited	July 18, 1918.
N	
Nickel Lake Mining Company, Limited (authorizing the Company to hold meetings of its shareholders, directors or executive committees, if any, outside of the Province of Ontario)	March 14, 1918.
Northway Rush Company, Limited (extending the powers of the Company)	Dec. 4, 1917.
P	
Peabody's Company, Limited, The (extending the powers of the Company)	Nov. 22, 1917.
R	
Rogers, Limited, Wm. A. (increasing the preference shares)	Jan. 30, 1918.
V	
Victor Saw Works, Limited (relieving the Company from the provisions of sub-sections 1 and 2 of section 119 of The Ontario Companies Act)	Nov. 6, 1917.
Victor Saw Works, Limited (authorizing the Company to hold meetings of its shareholders, directors or executive committees, if any, outside the Province of Ontario)	Dec. 21, 1917.
W	
Walker and Sons Metal Products, Limited, Hiram (extending the powers of the Company)	June 17, 1918.

List of Corporations without Share Capital.

Name of Corporation.	Place.
A.	
Ashbury College	Rockcliffe Park.
Agudath Israel Anshae Sfarid Congregation	Toronto.
Aurora Overseas Auxiliary	Aurora.
Alumnae Association of the Lady Stanley Institute for Trained Nurses	Ottawa.
Amity Patriotic Club of Kingsville	Kingsville.
Amherstburg Farmers' Co-operative Association, The	Amherstburg.
B.	
53rd Battery Auxiliary	Toronto.
B. C. Club	Toronto.
3rd Battalion, Toronto Regiment, Women's Auxiliary	Toronto.
Beamsville Farmers' Co-operative Club	Beamsville.
Burford Co-operative Milk Producers	Burford.
116th Battalion Club, The	Uxbridge.
C.	
Carmelite Sisters of Canada	Toronto.
Canadian Aviation Aid Club	Toronto.
Catholic Women's Guild of Hamilton	Hamilton.
Chinese Reform Party	Ottawa.
Canadian Farmers' Co-operative Association, The	Newburg.
Canadian Convalescent Home for Officers in France, The	Toronto.
Cooksville District Patriotic League	Cooksville.
Canadian Academy of Music	Toronto.
Canadian Collegiate Movement, The	Toronto.
Chatsworth War Workers' Association, The	Chatsworth.
Club Dalhousie Incorporate	Ottawa.
Canadian Post Masters Association	Ottawa.
Congregation Agudis Achim Anshe Sfarid, Hamilton	Hamilton.
Century Social Club	Ottawa.
D.	
Delta Phi	Toronto.
Dundas Women's Patriotic League, The	Dundas.
D'Arcy Athletic Club	Toronto.
Dunnville Women's Patriotic Society	Dunnville.
E.	
Eden Mills Town Hall Association	Eden Mills.
Edith Cavell Womens' Club	Toronto.
Enterprise Farmers' Co-operative Association, The	Enterprise.
Elora Junior Patriotic League, The	Elora.
Earlscourt Women Workers	Toronto.
Edith Cavell Society of Port Perry	Port Perry.
East Hamilton Spiritual Church	Hamilton.
F.	
Federation of Jewish Philanthropies of Toronto, The	Toronto.
Franco British Aid Society, The	Toronto.
Friends of France, The	Toronto.
Federation of Catholic Societies	Toronto.
Fort William Womens' Patriotic Society, The	Fort William.
Fort William Teachers' Patriotic Association	Fort William.
Fergus Women's Patriotic League, The	Fergus.
Fenelon Falls Women's Patriotic League	Fenelon Falls.
Fort Frances Finnish Social Society, Local No. 47	Fort Frances.

List of Corporations without Share Capital.—Continued.

Name of Corporation.	Place.
G.	
Gananoque War Workers' League, The	Gananoque.
Girls' Patriotic League of Owen Sound	Owen Sound.
Granite Club	Toronto.
Gore Bay War Auxiliary	Gore Bay.
Garden Craft Club	Toronto.
H.	
Hamilton Branch of the British Navy League	Hamilton.
Home Advisory Association of the 75th Overseas Battalion, The	Toronto.
Haileybury Service League	Haileybury.
High Park Overseas Club, The	Toronto.
Havelock Trench Club	Havelock.
Hibernian Club of Ottawa, The	Ottawa.
Home Bureau Nursing Association	Toronto.
I.	
Ioco Good Cheer Club, The	Toronto.
J.	
Jewish War Sufferers' Association of London	London.
Jarvis Collegiate Institute Patriotic Association, The	Toronto.
Jura Guild	Thedford.
K.	
King Street Improvement Association, The	Toronto.
Kitchener of Khartoum Club	Brantford.
L.	
Ladies' Auxiliary of the 109th Regiment, The	Toronto.
Ladies' Khaki Club of Petrolia	Petrolia.
Ladies' Patriotic Auxiliary of Berkeley	Berkeley.
Ladies' Auxiliary of the 74th Battalion, C.E.F., The	Toronto.
Lansdowne Service League	Lansdowne.
Le Club Des Amis Du Poilu	Toronto.
Ladies' Khaki Aid Club of Strangfield	Strangfield.
Longueuil Farmers' Co-operative Association, The	Longueuil.
Lyn Patriotic League	Lyn.
Lambeth Farmers' Co-operative Association	Lambeth.
M.	
May Court Club of Ottawa, The	Ottawa.
Manitoulin Women's Patriotic League, The	Manitowaning.
Millbrook War Relief Society, The	Millbrook.
Maple Leaf Co-operative Association, The	Palmerston.
N	
Norfolk Co-operative Association	Simcoe.
North Augusta Patriotic League, The	North Augusta.
Newmarket Field and Soldiers' Comforts Society	Newmarket.
North Bay Women's Patriotic Society, The	North Bay.
Nurses' Alumnae Association of the Ottawa General Hospital, The ..	Ottawa.

List of Corporations without Share Capital.—Continued.

Name of Corporation.	Place.
O	
Optimist Club	Windsor.
Odessa Farmers' Co-operative Association	Odessa.
Ottawa Women's Canadian Club	Ottawa.
Oshawa Women's War Relief Society, The	Oshawa.
Oakville Red Cross Auxiliary, The	Oakville.
Owen Sound Women's Patriotic League	Owen Sound.
Originals' Club, The	Toronto.
Ontario Billiard Association, The	Toronto.
Ontario Association of Electrical Contractors and Dealers	Toronto.
P.	
Port Credit Patriotic League, The	Port Credit.
Prince Edward County Hospital, The	Picton.
Patriotic Sunshine Circle of Berkeley	Berkeley.
Protestant General Hospital Association of the Town of Prescott	Prescott.
Parkdale Soldiers' Comforts Society	Toronto.
Peterborough Progressive Club, The	Peterborough.
Patriotic League of Florence, The	Florence.
Palestine Restoration Fund Association	Brantford.
Paris Maple Leaf Patriotic Club, The	Paris.
Q.	
Queen Mary's Needlework Guild in Ontario	Toronto.
R.	
Rosseau War Workers	Rosseau.
Richmond Farmers' Co-operative Association	Napanee.
Robindale Farmers' Co-operative Association	Richmond.
Rocklyn Farmers' Club	Rocklyn.
Retail Stationers' and Newsdealers' Association of Toronto	Toronto.
Roish Pina Congregation	Toronto.
Richmond Hill Lawn Bowling Club	Richmond Hill.
S.	
Sixth Line Moore Patriotic Society	Moore.
Sir Douglas Haig Auxiliary	Toronto.
Secours National of St. Catharines	St. Catharines.
Secours National of Toronto	Toronto.
Sutton West Girls' Patriotic League, The	Sutton.
Sault Ste. Marie Finnish Social Society, Local Number 12	Sault Ste. Marie.
Soldiers' Welfare Association of Kingsville and Gosfield	Kingsville.
Silver Maple Leaf Society	Warton.
Sarnia War Chest Fund, The	Sarnia.
Soldiers' Relatives' League for Women, The	Amabel.
St. George and District Patriotic War Relief Fund	St. George.
Sydenham Farmers' Co-operative Association	Sydenham.
Soldiers' Comforts Committee of St. Catharines	St. Catharines.
Sioux Lookout Finnish Social Society, Local Number 97	Sioux Lookout.
Somme Club of Kingston, The	Kingston.
Starkville Co-operative Threshing Fund, The	Starkville.
T.	
The 220th Battalion Women's Auxiliary	Toronto.
Tipperary Club of Brockville	Brockville.
The 198th Battalion, Women's Auxiliary	Toronto.
Toronto Conference for the Relief of Jewish War Sufferers, Incorporated	Toronto.
Toronto Male Chorus, The	Toronto.

List of Corporations without Share Capital.—*Concluded.*

Name of Corporation.	Place.
The 86th Machine Gun Battalion, C.E.F., Women's Auxiliary	Hamilton.
The 75th Overseas Battalion Women's Club	Toronto.
The 166th (Q.O.R.), Overseas Battalion, Women's Auxiliary	Toronto.
Toronto Gun Club and Game Protective Association	Toronto.
Trinity Penticostal Assembly of Toronto	Toronto.
The 204th Battalion Women's Auxiliary	Toronto.
The 159th Battalion Ladies' Auxiliary	North Bay.
The 120th City of Hamilton Battalion, C.E.F., Women's Auxiliary ..	Hamilton.
Toronto Gun Club	Toronto.
Third Battalion, Toronto Regiment, Veterans' Association	Toronto.
Toronto Women' Liberal Association, The	Toronto.
Thursday Club, The	Peterborough.
Toronto Insurance Conference, The	Toronto.
Toronto Board of Education War Charities, The	Toronto.
Trustees of Oaklawn Cemetery	Toronto.
Thamesville Returned Soldiers' Comfort Society	Thamesville.
U.	
Union Jack Club of Shelburne, The	Shelburne.
W.	
Wilton Farmers' Co-operative Association	Wilton.
War Relief Club of Copper Cliff, The	Copper Cliff.
War Auxiliary School Section 27, Todmorden	Todmorden.
Women's Conservative Club and Association, The	Toronto.
Women's Patriotic League, The	Toronto.
Women's League, 123rd Overseas Battalion, C.E.F., The	Toronto.
Women's Patriotic and Red Cross League of Niagara Falls	Niagara Falls.
Women's Patriotic League of Brockville	Brockville.
Women's Patriotic League of Petrolia	Petrolia.
Woodstock 5,000 Club	Woodstock.
West End Khaki Club, The	Toronto.
Women's Patriotic League of Swansea	Swansea.
Women's Patriotic Society of Cannington	Cannington.
Wiarion Patriotic League	Wiarion.
Whitby War Relief Society	Whitby.
Women's Patriotic Association of Port Perry	Port Perry.
Walkerton Soldiers' Overseas Auxiliary	Walkerton.
Women's Patriotic League of Norwich, The	Norwich.
Women's Patriotic League of Listowel, The	Listowel.
Women's Patriotic League of Waterford, The	Waterford.
Women's Patriotic League of Oil Springs, The	Oil Springs.
Women's Patriotic League of Little Current	Little Current.

List of Corporations whose Charters were Surrendered.

Name.	Date.
A.	
Adams Coal Company, Limited	Nov. 27, 1917.
B.	
Bluevale Cheese & Butter Factory, The	Sept. 23, 1918.
Beechwood Park Realty Company, Limited	Jan. 14, 1918.
Blenheim & South Kent Telephone Company, Limited	Jan. 17, 1918.
Byrnes Manufacturing Company, Limited	Mar. 6, 1918.
Bothwell Garage and Sales Company, Limited	June 7, 1918.
C.	
Chatham Bridge Company, Limited, The	June 27, 1918.
Crown Gypsum Company, The	Aug. 28, 1918.
Canada Saddlery Hardware and Steel Goods, Limited	Dec. 10, 1917.
Cinderella Shoe Company, Limited, The	Jan. 24, 1918.
Consolidated Hardware Manufacturing Company, Limited	Jan. 24, 1918.
Cutler Bay Company, Limited	Feb. 5, 1918.
Canadian Meter Company, Limited, The	Mar. 1, 1918.
Collingwood Shipbuilding Company, Limited	Mar. 6, 1918.
Clayton Meat Company, Limited	Oct. 21, 1918.
F.	
Forsythe Laundry Company, Limited	Feb. 20, 1918.
G.	
Guelph Oiled Clothing Company, Limited, The	Jan. 16, 1918.
Galt Building Products, Limited	Oct. 8, 1918.
H.	
Home Natural Gas Company, Limited	Dec. 3, 1917.
Holmes Gas Company, Limited, The	Oct. 7, 1918.
Holden-Morgan Company, Limited	Oct. 18, 1918.
K.	
Kingston Shipbuilding Company, Limited	Feb. 21, 1918.
M.	
Midland Dry Dock Company, Limited	Aug. 31, 1918.
N.	
New York and Ontario Oil and Gas Company, Limited	June 6, 1918.
P.	
Pure Milk Company, Limited, The	April 17, 1918.
Playfair Preston Company of Midland, Limited, The	May 17, 1918.
R.	
Rolla L. Crain Company, Limited, The	Mar. 25, 1918.

List of Corporations whose Charters were Surrendered.—*Concluded.*

Name.	Date.
S.	
Stonehouse, McDougall, Moore, Limited	July 12, 1918.
Standard Natural Gas Company, Limited	May 1, 1918.
Selby and Youlden, Limited	Mar. 6, 1918.
Sterling Gum Company of Canada, The	Nov. 28, 1917.
St. Clair Land Company of Hamilton, Limited	Dec. 3, 1917.
Seely Manufacturing Company, Limited	Dec. 18, 1917.
W.	
White Sewing Machine Company of Canada, Limited	Jan. 7, 1918.
Wire-Woven-Wood Manufacturing Company, Limited	Mar. 6, 1918.

Proclamations Gazetted.

1918.

Name.	Date.
<i>Re</i> 4th Anniversary of the declaration of war	July 25, 1918.
<i>Re</i> appointment of Emerson Coatsworth, Fred Bancroft, Thomas Bradshaw, Thomas Albert Stevenson and George Wright to be Commissioners to make inquiries concerning all matters or questions of difference between the Municipal Council of the City of Toronto and the Civic Employees of the said City	July 13, 1918.
<i>Re</i> Day of Prayer for those who are offering their lives for the cause of the Empire	June 18, 1918.
<i>Re</i> Legislative Assembly of Ontario to convene on Feb. 5, 1918	Jan. 7, 1918.
<i>Re</i> National Day of Prayer	Dec. 24, 1917.
<i>Re</i> Natural Gas Act, 1918	Feb. 6, 1918.
<i>Re</i> Week of Dedication and Preparation for the period of production approaching, beginning on the 24th March	Mar. 7, 1918.

REPORT

RELATING TO THE REGISTRATION OF

Births, Marriages and Deaths

IN THE

PROVINCE OF ONTARIO

FOR THE

Year Ending 31st December,

1918

(Being the 49th Annual Report)

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



TORONTO:

Printed and Published by A. T. WILGRESS, Printer to the King's Most Excellent Majesty

1919

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THE RYERSON PRESS

To His Honour the Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

I herewith beg to present for your consideration the Forty-Ninth Annual Report of the Registrar-General, relating to the Registration of Births, Marriages and Deaths in the Province of Ontario, during the year 1918.

Respectfully submitted.

WM. DAVID McPHERSON,

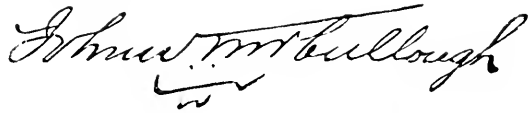
Registrar-General of Ontario.

SIR:—

I have the honour to submit for your approval the Forty-Ninth Annual Report made in conformity with and under the provisions of the Act respecting the Registration of Births, Marriages and Deaths in the Province of Ontario, for the year ending December 31st, 1918.

I have the honour to be, Sir,

Your obedient servant,

A handwritten signature in cursive script, reading "John W. McPherson". The signature is written in dark ink and is positioned above the typed name of the signatory.

Deputy Registrar-General.

TO HON. WM. DAVID MCPHERSON,

Registrar-General of Ontario.

REPORT UPON

Births, Marriages and Deaths

FOR THE YEAR 1918

The Forty-ninth Annual Report of Vital Statistics for the Province of Ontario is herewith presented.

POPULATION.

The estimated population of Ontario for the year 1918 is 2,798,970, divided as follows:—Cities, 1,080,430 or 38.7 per cent.; towns, 149,020 or 5.3 per cent., and rural municipalities, 1,569,520 or 56 per cent. This is an estimated increase in the population for the year, of 29,120 or 1.04 per cent. It will be noted that the percentage of the population in the towns is smaller this year than in the previous year. The number of births, marriages and deaths in towns, as well as the ratios per one thousand of population, are smaller than in the previous year. This is due to the fact that the list of towns is smaller, for the reason that several of the larger ones have become cities, and two, at least, have been eliminated because the population did not reach 5,000. Welland, for example, has become a city, and Steelton has been absorbed by Sault Ste. Marie.

BIRTHS.

The following table shows the number of birth registrations for 1917 and 1918 and allows of a comparison between the two:

	1918	Ratio	1917	Ratio
Entire Province	64,729	26.6	62,666	22.6
Cities	26,903	24.9	26,029	25.2
Towns	4,367	29.3	4,866	28.8
Rural Municipalities	33,459	21.3	31,771	20.2

The natural increase, i.e., of births over deaths, was 21,691, which was 7,691 less than the natural increase in the preceding year.

The number of births increased by 2,063, which is 3.3 per cent. of an increase over the number registered during the year 1917. There was an increase in the ratio of births per 1,000 of population, of 4.0 per cent.; the ratio for the year being 26.6. This is an increase of 2.7 per 1,000 of population over the mean rate for the decade.

The relation of male births to female births is shown in the following table:—

	Male	Female	M	to	F
Entire Province	33,486	31,243	107	to	100
Cities	13,883	13,020	106	to	100
Towns	2,222	2,145	103	to	100
Rural Municipalities	17,381	16,078	108	to	100

Of births registered 33,486 were males and 31,243 were females; being an increase of 1,104 males and 959 females over the number of the previous year.

ILLEGITIMATE BIRTHS.

The number of illegitimate births registered was 1,363, being 139 more than during the preceding year. This gives a rate of 18.2 per 1,000 births registered, which is 1.3 less than for the preceding year.

The rate is shown as follows:—

Entire Province	1,363, being 18.2 per 1,000 living births
Cities	976 " 36.3 " 1,000 " "
Towns	58 " 13.3 " 1,000 " "
Rural Municipalities	329 " 9.8 " 1,000 " "

The ratio of illegitimacy to total births for the last five years has been as follows: 1914, 22.1; 1915, 21.9; 1916, 20.9; 1917, 19.5; 1918, 18.2.

MULTIPLE BIRTHS.

The number of pairs of twins registered in 1918 was 676, comprising 658 boys and 694 girls. There were 9 cases of triplets, comprising 13 boys and 14 girls.

MARRIAGES.

The number of marriages registered in 1918 was 19,525, being at the rate of 6.9 marriages, or 13.8 persons married, per 1,000 of population. This was a decrease of 1,974 marriages and a decrease of .8 of the rate.

The distribution of the marriages is as follows: In the cities, 10,483 or 53.7 per cent. of the total; in the towns, 1,363 or 6.9 per cent., and in the rural municipalities, 7,679 or 39.3 per cent. The rates were as follows: Cities, 9.7; towns, 8.8; rural municipalities, 4.8 per 1,000 of population, and for the whole province 6.9, which is 2.3 below the mean rate for the ten preceding years.

CONJUGAL RELATIONS.

The following table shows the conjugal relations and how intermarriage took place:—

	Number of Marriages between									Total Marriages
	Bachelors and			Widowers and			Divorced Men and			
	Spinsters	Widows	Divorced Women	Spinsters	Widows	Divorced Women	Spinsters	Widows	Divorced Women	
Province	17,622	334	15	802	721	4	18	5	4	19,525
Cities	9,329	231	12	464	423	3	15	2	4	10,483
Towns	1,251	22	1	40	46	.....	1	2	.....	1,363
Rural	7,042	81	2	298	252	1	2	1	.....	7,679

Marriages by license, 17,344 or 88.84 per cent.; by banns, 2,181 or 11.16 per cent.

DEATHS.

The following table shows the number of deaths registered during the year and allows of a comparison with the registrations of the preceding year:—

	1918	Ratio	1917	Ratio
Entire Province	43,038	15.3	33,284	12.0
Cities	18,771	17.3	13,535	13.1
Towns	3,241	21.7	2,493	14.7
Rural Municipalities	21,026	13.4	17,256	10.9

It will be noted that there is a large increase in the number of deaths: the increase being 9,754 or 12.9 per cent. over the number of deaths for 1917. The ratio of deaths per 1,000 of the estimated population is the *highest in the history of the Province* and is due to the fact that Ontario did not escape the ravages of the dreadful epidemic of Influenza which struck the world.

The cities collectively gave a rate per 1,000 of estimated population, of 17.3, which is 4.2 of an increase over that of the preceding year, while the towns collectively gave a rate of 21.7, being an increase of 7.0 over the preceding year, and this notwithstanding the fact already pointed out in another paragraph, that the towns are fewer in number than they were in 1917.

INFLUENZA.

The number of deaths registered from influenza and Spanish influenza are compiled under "Influenza"; being cause No. 10 in the Bertillon System. The total number of deaths from this disease was 7,337; being at the rate of 2.61 per 1,000 of estimated population. It is impossible to make a comparison with any previous year in this particular disease, for the simple reason that nothing of the kind ever happened before in the history of the Province. This number, 7,337, does not actually include the total deaths from this plague, as it is impossible to speak of the deaths from influenza without taking into consideration the number of deaths from pneumonia.

The number of deaths from pneumonia was 4,660. The mean deaths from pneumonia for ten years, excluding the year 1918, number 2,015, so that it would be unfair to make a comparison between the number for 1918 and any previous year. This is the reason of the statement to the effect that deaths from influenza cannot, in themselves, be considered without the deaths from pneumonia. Let it be assumed, then, that half of the total deaths from pneumonia (4,660) are due to influenza, and let this half (2,330) be added to the total deaths from influenza. This makes the influenza deaths total 9,667, which is a ratio of 3.45 per 1,000 of estimated population and is 22.4 per cent. of all deaths registered.

Taking influenza by itself (7,337 deaths), this is 17.0 per cent. of the total deaths registered. Of these deaths, 47.1 per cent. occurred in the cities; 10.5 per cent. in the towns, and 42.4 per cent. in the rural municipalities. The cities suffered 47.1 per cent. of the deaths from influenza, whereas they contain collectively but 38.7 per cent. of the total population. While the rural municipalities contain 56 per cent. of the population, they suffered but 42.4 per cent. of the deaths from influenza. This is but a natural result of herding together, as is the situation in every city. The last three months of the year had the greatest mortality. The following table contains the compilation of the deaths from influenza and pneumonia during that period:—

DEATHS FROM INFLUENZA AND PNEUMONIA, OCTOBER 1ST TO DECEMBER 31ST, 1918.

	Influenza and Pneumonia	Influenza	Pneumonia	Total
Entire Province	5,999	1,824	2,500	10,323
Cities	2,903	612	1,274	4,789
Towns	628	181	198	1,007
Rural Municipalities	2,468	1,031	1,028	4,527

DEATHS FROM PNEUMONIA.

As already stated, it is not fair to make a comparison between the deaths from this disease during the previous year and those which occurred during 1918, as the latter do not represent what might be considered a more or less normal death rate. It is unfortunate that we have to consider a high "normal death rate," but it cannot be denied that pneumonia has steadily increased during the last decade. If percentage is desired, there were 1.897 more deaths than in the previous year, and a rate per 100,000 of population, of 166.5. The highest previous rate was 105.6, in 1916, although that year did not contain the highest number of deaths.

The following table shows the deaths from pneumonia for the decade, together with the rate per 100,000 of population:—

	Number	Rate
1909	1,504	67.3
1910	1,558	66.5
1911	1,568	66.0
1912	1,629	63.0
1913	2,076	77.4
1914	2,009	73.0
1915	2,352	84.9
1916	2,912	105.6
1917	2,763	99.7
1918	4,660	166.5

CANCER.

The number of deaths from cancer recorded during the year was 2,103, which gives a rate of 75 deaths per 100,000 of population. This is 93 fewer deaths than in the previous year, and a decrease in the rate of 4.3. The disease still continues undiminished and is carrying off altogether too many residents of our Province. The question of cancer is, however, receiving the attention of medical men and laboratory experts, and it is hoped that some method will be evolved to check the ravages of this distressing disease.

TUBERCULOSIS.

The number of deaths from tuberculosis was 2,519, which was a rate of 90 per 100,000 of population, being an increase of 2 over that of the preceding year.

The following is an analysis of rates in city, town and rural municipalities:

	Deaths	Per cent. of deaths from tuberculosis	Ratio per 100 M of population
Entire Province	2,519	100	90
Cities	934	37.8	86
Towns	174	5.8	116
Rural Municipalities	1,451	56.4	92

DEATHS IN ONTARIO FROM TUBERCULOSIS BY AGES, 1909-1918.

Year.	Total.	Under 5 years.													80 & over.	Not stated.	Total deaths from all causes.		
		Ratio per 100,000	0-1	1	2	3	4	5-9	10-14	15-19	20-29	30-39	40-49	50-59				60-69	70-79
	23,913	543	359	239	139	146	465	605	1,897	6,608	4,942	3,106	2,207	1,522	684	139	312	338,105	
1909	2,380	106	47	27	25	9	15	54	54	179	687	487	290	222	163	66	15	40	30,792
1910	2,291	102	38	35	19	15	6	36	55	184	652	463	293	222	160	71	18	24	31,332
1911	2,353	92	63	30	15	10	18	48	64	181	618	476	325	218	156	85	12	34	31,878
1912	2,250	87	53	30	19	9	15	46	42	154	631	500	304	200	134	64	7	42	32,150
1913	2,295	85	53	36	20	10	18	32	41	188	632	479	313	204	156	56	10	47	34,317
1914	2,340	85	54	41	20	16	11	56	58	181	688	469	307	214	116	63	12	34	32,440
1915	2,466	89	79	39	25	19	16	55	74	168	676	516	273	242	176	73	15	20	33,294
1916	2,559	92	66	43	35	19	9	53	61	224	683	536	327	238	156	68	17	24	35,580
1917	2,460	88	51	43	26	19	11	45	70	196	664	490	351	240	144	72	18	20	33,284
1918	2,519	89	39	35	35	13	27	40	86	242	677	526	323	207	161	66	15	27	43,038

TOTAL NUMBER OF DEATHS FROM TUBERCULOSIS IN EACH COUNTY IN
ONTARIO FOR TEN YEARS, 1909-1918.

—	Totals	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918
Totals.....	23,912	2,380	2,291	2,353	2,250	2,294	2,340	2,466	2,559	2,460	2,519
Algoma	354	27	34	33	33	39	28	34	41	39	46
Brant	377	32	26	28	38	32	35	36	40	68	42
Bruce	448	43	64	47	36	48	34	42	48	50	36
Carleton.....	1,593	161	127	163	143	178	162	168	161	151	179
Dufferin	89	15	10	10	9	4	7	8	9	12	5
Elgin	282	28	18	26	26	28	41	33	34	24	24
Essex	595	63	62	60	61	54	60	52	44	73	66
Frontenac	619	43	58	63	56	58	52	68	72	71	78
Grey	400	55	58	32	43	52	31	41	30	31	27
Haldimand	145	14	13	18	15	13	21	18	13	14	6
Haliburton.....	40	4	4	3	5	2	3	3	6	4	6
Halton	132	13	17	17	16	6	15	17	12	8	11
Hastings.....	474	56	56	51	53	30	45	48	45	47	43
Huron	355	44	44	44	41	27	31	31	23	32	38
Kenora	102	13	6	16	7	15	12	7	8	3	15
Kent	515	53	52	51	51	52	48	53	63	41	51
Lambton.....	428	55	43	41	30	40	32	45	56	47	39
Lanark.....	312	46	37	30	27	30	33	21	30	26	32
Leeds and Grenville	736	86	77	82	96	69	59	73	59	60	75
Lennox and Addington	146	24	17	18	11	16	13	12	8	15	12
Lincoln	357	30	42	29	28	36	36	43	39	33	41
Manitoulin.....	96	2	2	3	7	4	4	28	10	17	19
Middlesex.....	987	88	85	99	95	96	102	95	108	115	104
Muskoka	474	41	34	44	47	43	32	46	60	69	58
Nipissing	253	25	24	35	42	20	15	33	32	15	12
Norfolk	188	31	15	17	14	20	12	25	16	13	25
Northumberland and Durham	446	48	49	45	44	51	33	51	51	31	43
Ontario	315	23	40	42	23	33	24	31	40	35	24
Oxford	321	37	38	43	36	32	30	21	38	27	19
Parry Sound	150	18	6	14	12	17	14	19	11	14	25
Peel.....	147	21	14	21	14	16	12	16	8	11	14
Perth	316	41	28	35	35	25	30	23	49	33	17
Peterboro'.....	370	47	39	37	36	51	36	32	33	33	26
Prescott and Russell	554	45	34	42	51	46	60	54	72	65	85
Prince Edward....	146	17	14	11	13	16	11	20	16	10	18
Rainy River	65	4	4	6	7	4	10	8	7	6	9
Renfrew.....	361	35	24	31	33	42	43	46	46	43	18
Simcoe	748	82	82	67	65	70	72	78	78	74	80
Stormont, Dundas and Glengarry..	697	81	66	83	58	59	72	61	77	77	63
Sudbury.....	252	22	18	10	18	20	29	32	31	33	39
Thunder Bay	442	32	44	38	35	47	58	56	48	43	41
Timiskaming	132	.....	.....	.....	.....	12	21	24	22	21	32
Victoria	204	23	23	18	13	16	27	17	24	18	25
Waterloo	418	43	41	42	46	40	42	45	43	43	33
Welland	360	36	31	31	34	43	35	32	38	41	39
Wellington	380	41	40	50	39	32	44	41	24	37	32
Wentworth.....	1,279	128	127	107	112	118	129	112	132	149	165
York	5,312	464	504	520	496	492	545	567	604	538	582

INFANT MORTALITY.

The number of infants who died before completing the twelfth month of life was 6,402, which is a rate of 99 per 1,000 living births. This is an increase of 7 per 1,000 births over that of the previous year, which rate was 92 and was the lowest ever known in the Province. It is unfortunate that the rate has again increased, but some small measure of satisfaction may be taken from the fact that it is still considerably below that of any other year, with the exception of 1917. This rate means that out of every ten children born alive, one is doomed to a shroud before completing the twelfth month of life. The Various Public Health Nurses and Associations for Child Welfare are leaving no stone unturned to give the baby a chance to live, but more intensive effort is needed in what may be regarded as one of our most important public health activities.

Appended is a table giving the number of deaths and the rate of death per 1,000 living births for the decade for the Province, cities, towns and rural municipalities, excluding cities and towns:—

Deaths of infants under 1, and ratio per 1,000 living births, 1909-1918

	Province		Cities		Towns		Rural	
	Deaths under 1	Ratio per 1,000 living births	Deaths under 1	Ratio per 1,000 living births	Deaths under 1	Ratio per 1,000 living births	Deaths under 1	Ratio per 1,000 living births
1909..	6,932	129.7	2,830	170.3	426	144.7	3,686	108.7
1910..	6,649	117.1	3,008	162.8	389	135.2	3,252	94.5
1911..	6,421	114.4	2,905	144.9	522	130.2	2,994	94.7
1912..	6,494	110.2	3,194	139.3	520	132.8	2,780	86.8
1913..	7,597	117.7	3,776	140.3	605	148.3	3,216	95.7
1914..	6,835	103.2	3,249	116.0	599	129.8	2,887	85.9
1915..	6,338	102.0	3,086	113.1	425	110.0	3,327	92.7
1916..	7,000	107.2	3,286	122.0	609	129.9	3,105	92.3
1917..	5,777	92.1	2,652	101.9	478	98.2	2,647	83.3
1918..	6,402	99.0	3,086	114.7	504	115.4	2,812	84.0

GENERAL REMARKS.

The year 1918 will go down in history as Peace Year. The Great War came to an end on the eleventh day of November, and the people of the Province of Ontario rejoice and give thanks, as do all other peoples of the world.

During the early part of the year the Military Service Act became operative in Canada, which made it necessary for practically all men from sixteen or seventeen years of age and upwards to carry certificates of birth and, in some cases, certificates of marriage. Never before in the history of the Department has the demand been so great for documentary evidence relating to births and marriages on the part of the public. So great, indeed, was the demand that it became necessary to increase the staff by about three hundred per cent, and work twenty-four hours per day seven days per week, in eight-hour shifts. It is estimated that there were some 60,000 certificates issued during the year, and some 89,500 searches made, for which fees were received. During the same period some 7,000 searches were made and certificates issued free of charge to soldiers or their families. Such a huge amount of searching revealed the fact that in the earlier days registration of vital statistics was not nearly so well observed as it is at present. A large number of births and marriages was found not to be registered, and, in all cases where it was possible, the Department gave the privilege of registering, and in this way some 5,000 births were registered. A larger number would have been registered had the Department not been obliged to refuse many the privilege because there was no person available who was qualified to bring sufficient evidence to make the registration.

During the year the Dominion Bureau of Statistics at Ottawa expressed a desire to compile vital statistics for the whole of the Dominion. With this end in view an invitation was issued to all the officials of the various Provinces charged with the administration of the Acts relating to the registration of births, marriages and deaths, to attend a Conference at Ottawa. This Conference had two sittings. One of the objects of the meetings was to evolve from the various Vital Statistics Acts in operation throughout the Dominion, a new Act which would be acceptable and workable in each of the Provinces. This new Act has been printed and appears in the Statutes of Ontario, 1919, as Chapter 23; copies of which may be had upon application to the Department. Another object of the Conference was the standardization of forms, making the information required uniform in each Province. This, it is expected, will enable a comprehensive comparison of Canadian Vital Statistics.

There have been no radical changes in the new Vital Statistics Act. The responsibility of registration still rests with the parents, and notice of a birth by the physician must be given within forty-eight hours instead of "forthwith," the latter word being indefinite. In regard to the issuing of a medical certificate of death, the same must be done within twenty-four hours instead of "forthwith." It is expected that the rigid enforcement of the new Act will produce more perfect registration.

TABLE No. 1.

Showing the number of Births, Marriages and Deaths, and the ratio per 1,000 of population in each County (excluding Cities and Towns) 1918.

Counties.	Estimated Population.	Births, Excluding Still-Births.	Ratio per 1,000.	Marriages.	Ratio per 1,000.	Deaths, Excluding Still-Births.	Ratio per 1,000.
Total, including all municipalities.....	2,798,970	64,729	26.6	19,525	6.9	43,038	15.5
Total, excluding cities and towns.....	1,569,520	33,459	21.3	7,679	4.8	21,026	13.4
Algoma.....	32,090	499	15.5	126	3.9	217	6.7
Brant.....	25,400	492	19.3	123	4.8	367	14.4
Bruce.....	45,470	895	19.6	221	4.8	637	14.0
Carleton.....	33,910	797	23.5	150	4.4	501	14.7
Dufferin.....	15,380	292	19.0	86	5.5	206	13.3
Elgin.....	29,120	490	16.8	144	4.9	389	13.3
Essex.....	50,340	1,294	25.7	311	6.1	580	11.5
Frontenac.....	22,600	443	19.5	93	4.1	318	14.0
Grey.....	49,570	920	18.5	267	5.3	572	11.5
Haldimand.....	21,280	448	21.0	128	6.0	262	12.3
Haliburton.....	5,280	154	29.1	32	6.0	80	15.1
Halton.....	22,120	410	18.5	103	4.6	284	12.8
Hastings.....	39,420	930	23.5	257	6.5	555	14.0
Huron.....	47,880	903	18.8	296	6.1	661	13.8
Kenora.....	12,490	262	20.9	16	1.2	157	12.5
Kent.....	44,540	1,011	22.9	251	5.6	554	12.4
Lambton.....	38,760	724	18.6	192	4.9	471	12.1
Lanark.....	26,290	497	18.9	161	6.1	349	13.2
Leeds and Grenville.....	41,640	715	17.1	235	5.6	668	16.0
Lennox and Addington.....	18,870	388	20.5	116	6.1	282	14.9
Lincoln.....	26,600	439	16.5	141	5.3	372	13.9
Manitoulin.....	11,465	283	24.6	52	4.5	150	13.0
Middlesex.....	46,080	822	17.8	205	4.4	567	12.3
Muskoka.....	18,090	446	24.6	97	5.3	284	15.7
Nipissing.....	32,170	644	20.0	113	3.5	250	7.7
Norfolk.....	25,970	500	19.2	128	4.9	407	15.6
Northumberland and Durham.....	54,460	1,048	19.2	304	5.5	806	14.7
Ontario.....	32,710	647	19.7	165	5.0	424	12.9
Oxford.....	31,460	587	18.6	165	5.2	423	13.4
Parry Sound.....	26,280	623	23.7	107	4.0	305	11.6
Peel.....	21,850	382	17.4	93	4.2	286	13.0
Perth.....	34,590	670	13.3	182	3.6	354	7.0
Peterborough.....	21,810	437	20.0	74	3.3	212	9.7
Prescott and Russell.....	52,990	1,702	32.1	285	5.3	978	18.4
Prince Edward.....	15,610	283	18.1	94	6.0	271	17.3
Rainy River.....	11,875	315	26.5	56	4.7	135	11.3
Renfrew.....	41,490	907	21.8	202	4.8	428	10.3
Simcoe.....	55,490	1,101	19.8	232	4.1	838	15.1
Stormont, Dundas and Glengarry.....	53,490	1,074	20.0	250	4.6	797	14.8
Sudbury.....	38,640	1,029	26.6	80	2.0	403	10.4
Thunder Bay.....	6,280	145	23.1	14	2.2	88	14.0
Timiskaming.....	25,480	1,231	48.3	212	8.3	559	21.9
Victoria.....	22,800	342	15.0	113	4.9	231	10.1
Waterloo.....	37,920	897	23.6	218	5.7	455	11.9
Welland.....	36,000	847	23.5	144	4.0	523	14.5
Wellington.....	35,280	685	19.4	185	5.2	471	13.3
Wentworth.....	37,950	683	16.8	131	3.4	618	16.2
York.....	92,240	2,171	23.5	329	3.5	1,281	13.8

TABLE No. 2.

Showing the total number of Births, Marriages and Deaths, and the ratio per 1,000 of population in each City of Ontario, 1918.

Cities.	Estimated Population.	Births. Excluding Still-Births.	Ratio per 1,000.	Marriages.	Ratio per 1,000.	Deaths. Excluding Still-Births.	Ratio per 1,000.
Totals	1,080,430	26,903	24.9	10,483	9.7	18,771	17.3
Belleville	11,360	292	25.7	120	10.5	234	20.5
Brantford	28,460	701	24.6	233	8.1	576	20.2
Chatham	15,140	267	17.6	121	7.9	283	18.6
Fort William	19,520	724	37.0	151	7.7	300	23.2
Galt	12,520	251	20.0	118	9.4	238	19.0
Guelph	16,970	370	21.7	142	8.3	262	15.4
Hamilton	109,070	2,770	25.4	1,003	9.1	1,756	16.1
Kingston	23,740	633	26.6	307	12.9	582	24.5
Kitchener	19,580	488	24.9	159	8.1	324	16.5
London	56,210	1,188	21.1	555	9.8	1,151	20.4
Niagara Falls	12,770	316	24.7	213	16.6	1,247	19.3
Ottawa	100,030	2,968	29.6	892	8.9	2,290	22.9
Peterborough	19,890	443	22.2	193	9.7	332	16.6
Port Arthur	15,100	497	32.9	136	9.0	221	14.6
St. Catharines	17,870	516	28.8	166	9.2	343	19.1
St. Thomas	15,810	325	20.5	142	8.9	279	17.6
Sarnia	12,800	289	22.5	117	9.1	238	18.5
Sault Ste. Marie	19,590	525	26.7	170	8.6	403	20.5
Stratford	15,450	320	20.7	93	6.0	242	15.6
Toronto	490,000	11,779	24.0	4,990	10.1	7,635	15.5
Welland	10,240	245	23.9	98	9.5	218	21.2
Windsor	28,710	807	28.1	287	10.0	486	16.9
Woodstock	9,600	189	19.6	77	7.9	131	13.6

TABLE No. 3.

Showing the total number of Births, Marriages and Deaths in the Towns of 5,000 population in Ontario, together with the ratio per 1,000 of population, 1918.

Towns.	Estimated Population.	Births. Excluding Still-Births.	Ratio per 1,000.	Marriages.	Ratio per 1,000.	Deaths. Excluding Still-Births.	Ratio per 1,000.
Totals	149,020	4,367	29.3	1,363	8.8	3,241	21.7
Barrie	6,420	141	21.9	42	6.5	92	14.3
Brookville	9,450	237	25.0	121	12.8	252	26.6
Cobalt	5,980	228	38.1	67	11.2	84	14.0
Collingwood	7,420	186	25.0	59	7.9	131	17.6
Cornwall	7,230	192	26.5	66	9.1	243	33.6
Ingersoll	5,170	118	22.8	42	8.1	80	15.4
Kenora	5,880	157	26.7	26	4.4	137	23.3
Lindsay	7,280	194	26.6	113	15.5	132	18.1
Midland	6,940	183	26.3	44	6.3	167	24.0
North Bay	8,530	343	40.2	55	6.4	177	20.7
Orillia	8,930	231	25.8	82	9.1	138	15.4
Oshawa	9,770	259	26.5	55	5.6	207	21.1
Owen Sound	12,270	297	24.2	98	7.9	174	14.1
Parry Sound	5,720	190	33.2	65	11.3	103	18.0
Pembroke	8,100	255	31.5	76	9.3	226	27.9
Renfrew	6,760	193	28.5	65	9.6	136	20.1
Smith's Falls	6,590	205	31.1	51	7.7	159	24.1
Sudbury	6,920	415	59.9	94	13.5	408	58.9
Trenton	7,830	200	25.5	94	12.0	133	16.9
Walkerville	5,830	143	24.5	48	8.2	62	11.4

TABLE No. 4.—Showing the number of BIRTHS registered and birth rate per 1,000 of census population in each County of the Province for each of the ten years, 1909-1918, inclusive.

Counties.	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	Totals.
Totals.....	*54,465 24.3	*55,871 24.9	*57,235 22.6	58,870 22.4	61,516 24.0	66,225 24.0	67,032 24.2	65,264 23.5	62,666 22.6	64,729 26.6	616,873 22.9
Algoma	757 16.3	784 16.8	795 18.8	849 19.1	894 17.4	813 15.8	985 18.1	906 17.1	955 18.8	1,021 19.8	8,762 17.8
Brant	931 23.8	1,048 26.5	1,100 23.9	1,160 24.7	1,202 24.3	1,305 26.1	1,165 23.4	1,206 23.7	1,165 22.4	1,192 22.1	11,473 24.0
Bruce	1,289 21.3	1,195 18.4	1,060 21.1	1,069 21.6	1,061 22.9	1,059 22.6	942 20.0	967 20.8	862 19.3	895 19.6	11,399 20.7
Carleton	2,515 25.3	2,568 25.8	2,659 22.8	2,993 25.1	3,127 24.8	3,232 24.8	3,258 23.4	3,176 23.0	3,066 23.3	3,765 28.0	30,359 24.6
Dufferin	368 17.0	387 17.4	352 19.8	321 18.3	367 22.3	302 18.7	340 20.9	322 19.7	311 19.5	292 19.0	3,362 19.2
Elgin	900 20.1	861 19.1	843 19.0	828 18.6	814 18.2	882 19.3	919 19.9	828 17.9	753 16.5	815 18.1	8,443 18.6
Essex	1,528 25.5	1,589 26.4	1,594 23.5	1,579 22.9	1,848 25.0	1,958 25.9	1,922 24.6	2,044 26.0	2,089 25.2	2,244 26.4	18,395 25.1
Frontenac	974 21.3	901 19.7	861 22.0	872 20.8	1,019 23.2	962 21.4	1,004 22.3	1,047 23.6	989 21.2	1,076 22.1	9,705 24.8
Grey.....	1,484 20.8	1,384 19.3	1,390 21.0	1,269 19.2	1,329 20.4	1,192 18.3	1,350 20.9	1,319 20.6	1,232 20.7	1,217 19.0	13,167 20.8
Haldimand	418 19.2	414 19.0	408 18.9	425 19.6	435 19.9	421 19.4	447 20.2	452 20.4	411 19.4	448 21.0	4,279 19.7
Haliburton	219 32.6	174 25.0	182 28.7	146 20.5	109 19.2	273 48.3	199 34.0	196 34.6	142 26.2	154 29.1	1,794 29.8
Halton	447 22.3	460 22.9	484 21.8	420 19.7	497 21.5	516 21.0	519 21.3	455 18.7	427 18.5	410 18.5	4,635 20.5
Hastings	1,245 20.5	1,192 19.6	1,229 22.0	1,310 23.5	1,320 23.9	1,358 24.2	1,250 22.9	1,311 22.9	1,180 20.8	1,422 24.2	12,817 22.4
Huron	1,059 16.7	983 15.5	1,085 20.4	974 18.5	984 19.3	956 19.0	940 18.5	911 18.1	837 17.1	902 18.8	8,632 18.1
Kenora.....	285	213	239 13.1	246 13.7	262 13.7	326 16.3	304 20.4	392 15.2	280 14.7	419 22.8	2,956 16.2
Kent	1,093 18.6	1,165 19.7	1,237 22.0	1,187 21.0	1,223 21.4	1,270 21.6	1,359 22.6	1,241 20.6	1,209 20.1	1,278 21.4	12,222 20.9
Lambton.....	942 16.2	943 16.2	942 18.3	957 18.9	945 17.9	972 16.4	1,081 20.0	1,083 20.4	1,040 20.1	1,013 19.6	9,918 18.4
Lanark	670 17.5	695 18.2	668 19.4	683 19.9	724 21.0	666 19.1	709 20.8	642 18.9	611 19.2	702 21.3	6,800 19.5
Leeds and Grenville	1,068 7.7	1,073 17.7	959 17.6	1,018 18.7	922 17.4	973 18.6	1,035 19.7	985 18.8	952 18.4	952 18.6	9,957 18.2
Lennox and Addington	382 16.0	361 15.0	367 18.0	391 17.8	356 17.8	342 17.3	353 17.6	356 16.9	323 16.4	388 20.5	3,619 17.2
Lincoln	687 21.9	715 22.8	735 29.7	806 22.4	920 23.2	1,011 24.5	1,057 21.5	1,046 23.9	1,003 22.7	955 21.4	8,938 18.2
Manitowlin	217	226	186 16.8	206 18.8	229 21.4	171 14.8	410 35.0	287 24.3	298 26.1	283 24.6	2,556 22.6
Middlesex	1,854 19.5	1,844 19.3	1,820 18.7	1,914 19.5	1,948 19.4	1,949 19.2	2,117 20.2	2,120 21.1	1,830 17.9	2,010 19.6	19,416 19.4
Muskoka	604 28.1	565 26.2	534 25.1	531 25.2	506 24.8	528 26.5	528 30.0	499 24.4	431 22.8	446 24.6	5,172 25.7
Nipissing	1,195 43.7	1,703 62.0	1,688 28.5	1,775 28.3	1,276 36.0	900 23.0	1,041 26.3	992 25.0	918 23.1	987 24.2	12,475 32.0
Norfolk	562 18.8	586 19.6	571 21.0	517 19.0	475 17.5	566 20.7	574 29.6	539 19.5	473 17.9	500 19.2	5,267 19.2
Northumberland and Durham..	1,124 17.8	1,216 19.1	1,142 19.2	1,142 19.2	1,075 18.1	1,132 19.2	1,134 19.4	1,039 17.9	1,030 15.3	1,048 19.2	10,092 18.4

*Still-births not included.

TABLE No. 4—Concluded.

Counties.	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	Totals.
Ontario	849 20.5	876 21.1	843 20.5	808 19.5	931 22.6	881 21.2	937 21.7	936 21.5	850 23.9	906 21.3	8,817 21.3
Oxford	997 20.1	973 19.6	926 19.5	974 20.4	1,008 21.4	972 20.2	1,006 20.9	1,030 21.6	882 18.8	891 19.3	9,662 20.1
Ferry Sound	675 26.4	691 27.0	790 29.7	675 26.0	632 23.4	781 28.5	849 31.6	809 24.3	806 23.4	813 25.4	7,521 26.5
Peel	427 19.4	426 19.3	414 18.7	418 18.8	446 20.4	438 20.0	479 20.6	464 20.0	390 17.0	382 17.4	4,484 19.1
Perth	1,029 20.1	972 19.0	947 19.2	963 19.6	950 18.8	1,036 20.4	1,088 21.0	1,055 20.5	960 18.8	990 19.7	9,990 19.7
Peterborough	866 23.4	930 25.1	925 22.2	977 23.0	969 22.8	982 22.8	941 22.3	921 22.3	885 21.2	880 21.1	9,276 22.6
Prescott and Russell	1,760 36.3	1,842 37.0	1,767 34.1	1,659 31.6	1,860 36.7	1,715 32.4	1,770 33.1	1,692 32.3	1,721 33.7	1,702 32.1	17,488 33.9
Prince Edward	326 17.8	319 17.4	332 19.3	290 16.8	342 20.4	294 17.4	328 19.4	324 18.7	319 19.5	283 18.1	3,157 18.4
Rainy River	240 14.2	234 13.8	215 21.3	254 28.1	334 31.9	319 29.0	334 31.8	311 29.3	320 30.1	315 26.5	2,876 25.5
Renfrew	1,291 23.9	1,227 22.7	1,223 23.5	1,179 22.9	1,223 23.3	1,188 22.1	1,267 23.3	1,227 23.2	1,559 24.7	1,355 24.0	12,749 21.5
Simcoe	1,981 23.5	1,851 21.9	1,873 22.0	1,804 21.0	1,964 22.8	1,929 22.4	1,933 22.4	1,824 21.3	1,955 23.6	1,842 21.6	18,956 22.2
Stormont, Dundas & Glengarry	1,460 20.7	1,227 17.5	1,330 20.7	1,135 17.7	1,259 20.0	1,249 19.5	1,266 20.0	1,318 20.8	1,315 20.8	1,266 20.8	12,835 19.8
Sudbury	836	665	818 23.4	779 19.7	873 21.4	1,025 24.0	1,403 33.5	1,307 30.6	1,470 33.2	1,444 31.4	10,620 26.8
Thunder Bay	871 67.6	1,053 84.1	1,241 31.7	1,353 33.0	1,657 38.2	1,826 40.3	1,862 41.5	1,510 37.5	1,392 34.5	1,366 33.3	14,171 41.7
Timiskaming .....	.....	.....	.....	.....	876 20.3	1,294 41.5	1,369 45.5	1,313 39.9	1,338 49.5	1,459 45.5	7,648 51.1
Victoria	661 20.2	691 21.0	584 19.3	648 20.9	607 20.1	551 17.9	612 20.3	567 17.4	520 17.1	536 17.8	5,947 19.2
Waterloo	1,347 25.0	1,430 26.5	1,429 22.8	1,515 23.3	1,643 24.0	1,819 26.2	1,774 25.6	1,733 24.8	1,615 23.4	1,636 23.3	15,941 24.4
Welland	760 24.1	917 28.3	942 22.3	1,044 24.1	1,149 23.6	1,326 24.8	1,289 24.0	1,340 24.0	1,260 22.3	1,198 23.8	11,455 24.1
Wellington	1,111 19.5	1,108 19.4	1,100 20.1	1,085 19.9	1,105 20.3	1,072 19.5	1,067 19.4	1,094 20.2	1,013 19.3	1,055 20.1	10,810 19.7
Wentworth	2,336 28.7	2,622 32.1	2,663 23.8	3,149 26.9	3,373 25.2	3,602 26.4	3,401 25.1	3,585 25.1	3,365 24.2	3,498 23.1	31,503 26.0
York	9,765 35.0	10,532 37.6	11,743 56.4	12,573 26.1	15,439 29.8	15,877 28.7	15,025 27.2	14,652 26.7	14,083 24.9	13,950 23.9	133,640 26.3

TABLE No. 5.—Showing the number of MARRIAGES registered and marriage rate per 1,000 of census population in each County of the Province for each of the ten years, 1909-1918, inclusive.

Counties.	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	Totals.
Totals.....	22,366 10.0	21,036 10.7	25,807 10.2	28,845 11.1	26,998 10.0	24,215 8.8	23,506 8.5	23,401 8.4	21,499 7.7	19,525 6.9	210,228 9.2
Algoma	382 9.2	302 6.4	340 8.0	403 9.0	342 6.6	352 6.8	331 6.4	346 6.6	345 6.8	296 5.7	3,139 7.1
Brant	325 8.3	385 9.0	414 9.0	467 9.9	485 9.8	443 8.8	405 8.4	426 8.3	410 7.9	356 6.6	1,116 8.5
Bruce	355 5.8	352 5.8	311 6.2	344 6.9	372 8.0	311 6.6	333 7.0	340 7.3	257 5.7	221 4.8	3,196 6.1
Carleton	941 9.4	1,047 10.5	1,123 9.6	1,221 10.2	1,194 9.5	1,224 9.3	1,175 8.4	1,227 8.9	1,118 8.5	1,042 7.7	11,312 9.2
Dufferin	119 5.5	134 5.2	142 8.0	130 7.4	113 6.8	112 6.9	103 6.3	113 6.9	104 6.5	86 5.5	1,156 6.5
Elgin.....	352 7.8	334 7.4	342 7.7	368 8.2	387 8.7	357 7.7	346 7.5	346 7.4	294 6.4	286 6.3	3,112 7.5
Essex	2,508 41.9	2,836 47.8	3,426 50.7	4,149 60.2	2,082 28.1	1,050 13.9	996 12.8	1,035 13.1	922 11.1	616 7.6	19,050 28.7
Frontenac	366 8.0	364 7.9	381 8.9	427 10.2	382 8.7	366 8.1	406 9.1	365 8.3	393 8.4	409 8.6	3,850 8.5
Grey	432 6.0	468 6.5	460 7.1	496 7.5	506 7.7	441 6.7	415 6.4	482 7.5	385 6.4	365 5.9	4,450 6.7
Haldimand	136 6.2	149 6.8	130 6.0	146 6.7	153 7.0	150 6.9	160 7.2	164 7.4	112 5.3	128 6.0	1,128 6.5
Haliburton	26 3.8	30 4.4	31 4.9	22 3.9	35 6.1	25 4.4	39 6.6	26 4.5	26 4.8	32 6.0	292 4.9
Halton	134 6.7	130 6.4	132 5.9	160 7.1	180 7.7	166 6.7	141 5.8	137 5.6	105 4.5	103 4.6	1,388 6.1
Hastings	469 7.7	430 7.0	439 7.8	470 8.4	664 12.0	452 8.0	420 7.7	474 8.3	463 8.1	471 8.0	4,752 8.3
Huron	358 5.6	398 6.2	364 6.8	348 6.6	372 7.5	323 6.4	356 7.0	375 7.4	311 6.3	296 6.1	3,501 6.5
Kenora	72	69	72 3.9	54 3.0	188 9.9	71 3.5	75 3.9	84 4.3	37 1.9	42 2.2	764 1.0
Kent	408 6.9	454 7.7	459 8.1	475 8.4	502 8.8	451 7.6	458 7.6	463 7.7	452 7.5	372 6.2	4,194 7.6
Lambton	466 8.0	486 8.3	523 10.1	518 10.2	450 8.5	445 8.3	406 7.6	435 8.2	332 6.4	309 5.9	1,370 8.1
Lanark	219 5.8	274 7.0	264 7.6	245 7.1	279 8.1	239 6.9	242 7.1	262 7.7	239 7.1	212 6.4	2,475 7.0
Leeds and Grenville	437 7.2	452 7.4	426 7.8	498 9.1	449 8.4	353 6.7	416 7.9	411 7.8	395 7.6	356 6.9	4,193 7.6
Lennox and Addington.....	169 7.0	143 5.0	169 8.2	154 7.0	183 9.1	139 7.0	148 7.4	130 6.5	165 8.4	116 6.1	1,516 7.1
Lincoln	290 9.2	294 9.3	332 9.3	348 9.7	355 8.9	393 9.5	481 11.1	413 9.4	284 6.4	307 6.9	3,497 8.9
Manitowlin	67	69	57 5.1	56 5.2	65 5.8	45 3.8	78 6.6	76 6.4	68 5.9	52 4.5	633 5.4
Middlesex	745 7.8	813 8.5	834 8.5	928 9.4	900 8.9	900 8.8	950 9.1	896 8.6	806 7.9	760 7.4	8,532 8.4
Muskoka	133 6.2	134 6.4	132 6.2	160 7.5	148 7.2	142 7.2	142 8.0	142 6.9	98 5.1	97 5.3	1,328 6.6
Nipissing	344 12.5	423 15.4	428 7.2	473 7.5	254 6.8	273 7.0	257 6.5	284 7.1	264 6.6	168 4.1	3,168 8.0
Norfolk	193 6.4	226 7.5	183 6.7	193 7.1	211 7.8	228 8.3	197 7.1	225 8.1	141 5.3	128 4.9	1,925 6.9
Northumberland and Durham....	401 6.3	415 6.5	404 6.8	390 6.5	431 7.2	379 6.4	364 6.2	429 7.4	387 5.7	304 5.5	3,904 6.4

TABLE No. 5—Concluded.

Counties.	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	Totals.
Ontario	263 6.3	264 6.3	269 6.5	277 6.7	292 7.0	305 7.4	307 6.2	329 7.6	268 6.4	220 5.1	2,757 6.5
Oxford	372 7.5	336 6.7	352 7.4	382 8.0	358 7.6	400 8.3	350 7.4	388 8.2	334 7.1	284 6.1	3,565 7.1
Parry Sound	174 6.8	160 6.2	194 7.3	167 6.4	179 6.6	186 6.7	173 6.4	190 5.7	225 6.5	172 5.3	1,820 6.3
Peel	163 7.4	136 6.1	133 6.0	142 6.0	134 6.1	137 6.2	138 5.9	134 5.8	89 3.8	93 1.2	1,299 5.7
Perth	349 6.8	337 6.5	369 7.5	403 8.2	372 7.3	368 7.2	422 8.1	406 7.9	350 6.8	275 5.4	3,651 7.1
Peterborough	334 9.5	315 8.5	346 8.2	377 8.8	353 8.3	354 8.2	310 7.3	335 8.1	339 8.1	267 6.4	3,330 8.1
Prescott and Russell	349 7.2	348 7.1	350 6.7	336 6.4	342 6.7	330 6.2	312 5.8	349 6.6	332 6.5	285 6.3	3,333 6.4
Prince Edward	123 6.7	122 6.6	116 6.7	116 6.7	120 7.1	117 6.9	131 7.7	111 6.4	88 5.3	94 6.0	1,138 6.6
Rainy River	81 4.8	91 5.4	74 7.3	96 9.3	104 9.9	125 11.3	77 7.3	74 6.9	78 7.3	56 4.7	856 7.4
Renfrew	371 6.8	369 6.8	318 6.1	300 7.0	385 7.3	408 7.6	350 6.5	377 7.0	427 7.8	343 6.0	3,708 6.8
Simcoe	580 6.8	630 7.4	635 7.4	647 7.5	498 5.7	599 6.9	556 6.4	625 7.3	580 7.1	459 5.3	5,809 6.7
Stormont, Dundas and Glengarry	467 6.6	388 5.4	331 5.1	366 5.7	399 6.3	430 6.7	418 6.6	475 7.5	374 5.9	316 5.2	3,964 6.1
Sudbury	181	163	122 3.4	183 4.6	256 6.2	227 5.3	211 5.0	203 4.7	187 4.2	174 3.8	1,907 4.6
Thunder Bay	354 27.5	386 30.0	418 10.6	461 11.2	595 13.7	493 10.8	365 8.8	364 9.0	323 8.0	301 7.8	4,060 13.9
Timiskaming					281 9.7	285 9.9	273 9.1	268 8.1	260 9.6	279 8.8	1,649 9.2
Victoria	240 7.3	217 6.6	199 6.5	213 6.8	220 7.2	234 7.6	209 6.9	201 6.5	205 6.7	226 7.5	2,164 6.9
Waterloo	437 8.1	482 8.9	486 7.7	576 8.8	623 9.1	632 9.1	603 8.7	572 8.1	554 8.0	495 7.0	5,460 8.3
Welland	1,091 33.7	1,375 42.4	1,524 36.1	1,840 42.5	1,108 22.8	743 13.9	672 13.5	648 11.6	548 9.7	455 7.7	10,004 23.2
Wellington	378 6.6	426 7.4	378 6.9	378 6.9	412 7.7	358 6.5	429 7.8	393 7.2	354 6.7	327 6.1	3,833 6.9
Wentworth	919 11.3	1,075 13.1	1,271 11.3	1,464 12.5	1,548 11.6	1,320 9.6	1,307 9.6	1,297 9.1	1,197 8.6	1,131 7.7	12,532 10.4
York	4,293 15.3	4,805 17.1	5,604 12.6	6,418 13.3	6,737 13.0	6,358 11.5	6,084 10.9	5,556 10.1	5,474 9.7	5,319 9.1	56,648 12.1

TABLE No. 6.—Showing the number of DEATHS registered and death rate per 1,000 of census population in each County of the Province for each of the ten years, 1909=1918, inclusive.

Counties.	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	Totals.
Totals	*32,628 14.6	*33,539 14.9	*34,341 13.6	32,150 12.4	34,317 12.7	32,440 11.8	33,294 11.2	35,580 12.8	33,284 12.6	42,028 15.3	311,611 13.1
Algoma	413 8.8	490 10.5	461 10.9	470 10.6	515 10.0	400 7.7	472 9.1	467 9.0	457 9.0	620 12.0	4,765 9.7
Brant	536 13.8	551 14.0	565 12.3	567 12.1	568 11.4	510 10.2	527 10.6	633 12.5	717 14.3	943 17.4	6,147 12.8
Bruce	706 11.6	650 10.7	648 12.9	621 12.5	603 13.0	540 11.5	573 12.2	623 13.4	580 12.9	637 14.0	6,181 12.1
Carleton	1,773 17.8	1,917 19.2	2,147 18.4	1,933 16.3	2,142 17.0	2,084 16.0	2,100 15.0	2,175 15.7	1,903 14.4	2,791 20.8	20,965 17.0
Dufferin	207 9.6	219 10.1	185 10.4	166 6.6	190 11.5	158 9.8	200 12.3	184 11.2	187 11.7	206 13.3	1,902 10.6
Elgin	527 11.8	488 10.9	505 11.3	539 12.1	526 11.8	561 12.3	525 11.3	568 12.2	597 11.1	668 14.8	5,444 11.9
Essex	830 13.8	800 13.3	881 13.0	808 11.7	919 12.4	867 11.5	830 10.7	957 12.1	950 11.5	1,128 13.2	8,970 12.3
Frontenac	605 13.2	697 15.2	672 15.7	705 16.8	740 16.9	657 14.6	694 15.4	773 15.7	705 15.1	900 19.4	7,148 16.0
Grey	795 11.1	711 9.9	743 11.2	738 11.2	767 11.7	679 10.4	691 10.7	698 10.9	658 11.0	746 10.4	7,226 9.8
Haldimand	226 10.4	228 10.4	276 12.8	229 10.6	265 12.1	255 11.7	278 12.5	270 13.4	234 11.0	262 12.3	2,523 11.7
Haliburton	80 12.0	68 10.1	74 11.7	62 10.9	40 7.0	81 14.3	72 12.3	66 11.7	67 12.4	80 15.1	690 11.7
Halton	249 12.4	254 12.6	258 11.6	229 10.2	234 10.1	233 9.0	264 10.8	246 10.1	259 11.2	284 12.8	2,500 11.0
Hastings	731 12.0	780 12.8	806 14.4	709 12.7	725 13.1	754 13.4	733 13.4	773 13.5	727 12.8	822 15.7	7,660 13.3
Huron	720 11.3	627 9.8	673 12.7	600 11.2	643 12.6	589 11.7	608 12.0	631 12.5	631 12.9	661 13.8	6,386 12.0
Kenora	136	114	116 6.4	146 8.4	128 6.7	143 7.1	103 5.3	98 5.1	100 5.2	294 15.9	1,378 8.5
Kent	705 12.0	733 12.4	787 14.0	608 10.4	674 11.8	700 11.9	727 20.0	770 12.8	622 10.3	837 14.0	7,163 12.9
Lambton	647 11.1	588 10.1	639 12.4	611 12.0	607 11.5	560 10.5	581 10.8	698 13.1	603 11.7	703 13.7	6,243 11.6
Lanark	435 11.4	479 12.2	424 12.6	428 12.4	402 11.6	461 13.4	410 12.0	463 13.6	438 13.1	508 15.4	4,458 12.7
Leeds and Grenville	785 12.1	798 13.1	764 14.0	896 16.5	759 14.3	720 13.8	784 13.9	739 14.1	765 14.8	920 17.7	7,920 14.4
Lennox and Addington	363 11.0	316 13.2	264 12.9	229 10.4	256 12.8	208 10.4	254 12.7	217 10.9	280 14.2	282 14.9	2,569 12.3
Lincoln	505 16.0	482 15.3	459 12.9	460 12.8	544 13.7	536 12.9	532 12.5	577 13.2	489 11.0	715 16.0	5,299 13.6
Manitoulin	90	67	72 6.5	69 6.3	72 6.4	73 6.2	162 13.8	112 9.5	153 13.4	150 13.0	1,020 9.3
Middlesex	1,260 13.2	1,348 14.1	1,313 13.5	1,191 12.1	1,401 14.0	1,267 12.5	1,396 13.3	1,513 14.6	1,421 13.9	1,718 16.7	13,828 13.7
Muskoka	279 13.0	257 11.9	243 11.4	209 9.9	210 10.2	188 9.4	232 13.1	257 12.5	272 14.4	284 15.7	2,431 12.1
Nipissing	758 27.7	812 29.5	730 12.3	618 9.8	444 11.9	296 7.5	349 8.8	343 8.6	291 7.3	427 10.4	5,068 13.3
Norfolk	363 12.1	368 12.3	343 12.6	330 12.1	373 13.7	322 11.8	327 11.7	355 12.8	343 13.0	407 15.6	3,531 12.7
Northumberland and Durham....	765 12.0	861 13.5	757 12.7	739 12.4	727 12.2	704 12.0	776 13.2	790 13.6	701 10.4	806 14.7	7,626 12.6

* Still-births not included.

TABLE No. 6—*Concluded.*

Counties.	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	Total.
Ontario	571 13.8	617 14.8	559 13.6	494 11.9	536 13.0	495 11.9	510 11.7	550 12.2	522 12.5	631 14.8	5,465 13.0
Oxford	566 11.4	565 11.3	629 13.2	582 12.2	583 12.4	532 11.0	572 11.9	642 13.5	576 12.5	631 13.7	5,881 12.2
Parry Sound	268 10.5	252 9.8	316 11.9	272 10.4	259 9.5	272 9.9	274 10.2	395 11.8	278 8.1	408 12.7	2,994 10.4
Peel	271 12.3	278 12.6	271 12.2	230 10.3	244 11.1	243 11.1	257 11.0	238 10.2	235 10.2	286 13.0	2,553 11.4
Perth	558 10.9	524 10.2	514 10.4	520 10.6	532 10.5	522 10.3	515 9.9	572 11.1	531 10.4	596 13.0	5,384 10.7
Peterborough	539 14.6	569 15.3	606 14.5	470 11.0	521 12.2	459 10.6	475 11.2	555 13.4	562 13.4	544 13.0	5,300 12.9
Prescott and Russell	764 15.7	692 14.2	771 14.8	613 11.6	697 13.7	699 13.3	741 13.8	754 14.3	658 12.8	978 18.4	7,367 14.2
Prince Edward	262 14.3	278 15.1	244 14.2	236 13.7	231 13.7	225 13.3	243 14.4	271 15.7	223 13.6	271 17.3	2,484 14.5
Rainy River	83 4.9	96 5.6	111 11.0	79 7.6	122 11.6	115 10.4	93 8.8	85 8.0	83 7.8	135 11.3	1,092 8.7
Renfrew	591 10.9	565 10.4	629 12.1	603 11.7	574 10.9	568 10.5	607 11.2	629 11.3	571 10.7	790 14.0	6,127 11.3
Simcoe	1,159 13.7	1,083 12.8	1,156 13.5	1,042 12.1	1,046 12.2	1,069 12.4	1,086 13.7	1,184 13.8	1,109 13.2	1,366 16.0	11,392 13.3
Stormont, Dundas and Glengarry	863 12.2	803 11.3	908 14.1	804 12.5	757 12.0	781 12.2	802 12.7	856 13.5	827 13.0	1,040 17.1	8,441 13.0
Sudbury	359	405	392 10.3	423 10.7	456 11.2	453 10.6	409 9.7	476 11.1	469 10.6	811 17.8	4,623 13.1
Thunder Bay	480 34.7	600 46.6	523 13.3	494 12.0	725 16.7	676 14.8	523 12.6	521 12.9	487 12.0	609 14.8	5,638 12.0
Timiskaming .....	.....	.....	.....	.....	297 10.2	373 12.8	429 14.2	540 16.4	396 14.6	643 20.4	2,678 17.7
Victoria	352 10.7	377 11.5	370 12.2	338 10.8	338 11.1	303 9.8	309 10.2	348 11.3	345 11.3	263 12.0	3,443 11.0
Waterloo	693 12.8	793 14.7	736 11.7	661 10.1	778 10.4	727 10.4	746 10.7	785 11.1	779 11.3	1,017 14.3	7,715 11.7
Welland	470 14.5	575 17.7	522 12.3	499 11.0	677 13.9	610 11.4	621 10.5	711 12.8	664 11.8	988 16.7	6,337 13.2
Wellington	721 12.6	668 11.7	720 13.2	681 12.5	731 13.4	652 11.8	696 12.7	767 14.2	705 13.4	733 14.0	7,074 12.9
Wentworth	1,467 18.0	1,579 19.3	1,606 14.3	1,654 14.1	1,603 12.0	1,593 11.6	1,622 11.9	1,704 11.9	1,720 12.4	2,374 16.1	16,922 14.1
York	6,202 22.2	6,517 23.3	6,973 15.6	6,545 13.6	7,134 13.7	6,537 11.5	6,564 11.9	7,021 14.1	6,451 11.4	8,916 15.3	68,860 15.2

TABLE No. 7.
Recapitulation of Causes of Death by Classes of Diseases in Counties, 1918.

Causes of Death by Classes of Diseases.	Ages												Sex.		Months.																		
	Ages												Male.	Female.	Months.																		
	Under 0-1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.			60-69.	70-79.	80 and over.	Not stated.	23,004	20,031	3	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total.	43,038	6,402	1,212	634	434	308	985	890	1,581	5,280	4,672	2,925	3,365	4,456	5,317	4,154	423	23,004	20,031	3	2,996	2,907	3,170	3,218	2,846	2,516	2,532	2,500	2,673	8,582	5,011	4,087	
Grand Total including all municipalities	21,026	2,812	476	259	175	138	417	475	797	2,193	1,858	1,279	1,599	2,253	3,176	2,733	273	11,206	9,870	..	1,550	1,529	1,565	1,556	1,433	1,351	1,298	1,257	1,336	3,384	2,359	2,111	
I. General diseases	6,859	330	184	128	92	76	224	253	496	1,353	1,070	614	109	624	491	192	131	3,478	3,281	..	328	318	337	378	315	326	291	278	315	1,799	1,257	913	
II. Diseases of the nervous system and of the organs of special sense	2,157	224	43	25	16	14	26	28	24	76	198	147	238	402	483	278	24	1,150	1,007	..	189	216	206	176	191	175	168	147	183	193	151	169	
III. Diseases of the circulatory system	2,783	2	4	4	5	3	15	15	20	73	87	133	293	607	915	553	24	1,464	1,319	..	362	288	292	279	222	222	215	170	182	248	194	228	
IV. Diseases of the respiratory system	2,754	328	131	49	27	15	51	73	139	396	312	162	168	239	378	355	31	1,510	1,244	..	229	200	225	224	157	104	98	58	77	635	410	310	
V. Diseases of the digestive system	1,049	222	64	15	17	8	40	37	31	38	41	50	90	119	115	53	9	549	500	..	62	55	77	62	70	68	104	165	138	101	59	68	
VI. Non-venereal diseases of the genito-urinary system and adnexa	772	3	5	1	3	..	5	13	8	36	47	61	98	165	208	111	8	437	335	..	79	70	69	75	72	60	61	47	56	75	49	59	
VII. The puerperal state	132	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
VIII. Diseases of the skin and cellular tissue	126	4	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
IX. Diseases of the bones and of the organs of locomotion	8
X. Malformations	77	77
XI. Diseases of early infancy	1,513	1,513
XII. Old age	1,712
XIII. Affections produced by external causes	898	5	23	25	10	16	45	48	68	159	112	72	85	80	67	51	29	885	243	..	61	55	65	53	81	110	122	92	68	73	55	51	..
XIV. Ill-defined diseases	156	4	20	11	5	6	10	7	7	11	18	14	24	9	8	..	..	86	70	..	13	16	8	11	10	16	11	19	11	11	20	..
Still-Births (not incl. in totals)	1,123	1,123	640	592	..	86	104	107	98	82	101	96	90	71	105	112	90	..

TABLE No. 8.
Recapitulation of Causes of Death by Classes of Diseases in Cities, 1918.

Causes of Death by Classes of Diseases.	Ages.													Sex.		Monthly.															
	Under 0-1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	3	1,230	1,197	1,383	1,438	1,212	1,015	1,048	1,073	1,439	4,314	2,027	1,686
Grand Total	3,086	628	324	222	143	484	328	621	2,848	2,418	1,411	1,876	1,819	1,846	1,219	121	9,933	8,835	3	1,230	1,197	1,383	1,438	1,212	1,015	1,048	1,073	1,439	4,314	2,027	1,686
I. General diseases	386	314	115	116	73	258	156	329	1519	1316	699	547	510	329	98	50	3,426	3,256	...	380	358	337	396	317	255	231	239	266	2385	1017	769
II. Diseases of the nervous system and of the organs of special sense.	170	52	26	10	11	31	11	29	53	89	91	178	245	211	111	11	680	679	..	116	125	133	130	121	98	122	119	86	113	97	99
III. Diseases of the circulatory system	9	2	4	4	3	22	26	32	85	122	172	321	463	561	299	15	1,134	1,012	..	217	309	207	175	182	165	164	128	157	208	172	162
IV. Diseases of the respiratory system	419	290	102	55	25	79	61	137	614	564	251	218	225	239	154	15	1,880	1,508	..	214	206	251	396	177	132	89	71	101	1139	351	280
V. Diseases of the digestive system	455	72	20	14	10	35	25	21	75	81	81	94	89	90	15	5	622	565	..	69	67	89	78	75	61	114	208	209	87	60	72
VI. Non-venereal diseases of the genito-urinary system and adnexa	16	7	4	...	2	2	2	18	37	56	89	95	116	136	19	3	382	291	..	59	62	68	74	65	53	45	42	51	62	45	50
VII. The puerperal state	149	...	...	...	...	...	...	4	62	70	13	...	...	...	1	...	149	...	..	12	21	16	14	15	13	13	9	12	12	5	7
VIII. Diseases of the skin and cellular tissue	90	2	1	1	1	1	1	1	2	4	11	17	17	12	23	...	58	32	..	8	10	7	10	8	8	9	4	5	6	8	7
IX. Diseases of the bones and the organs of locomotion.	15	1	1	...	...	2	1	...	2	...	2	2	3	2	...	...	8	7	..	1	2	1	2	...	2	1	1	1	1	1	2
X. Malformations	143	167	3	2	...	1	...	...	...	...	...	...	...	...	...	...	86	57	..	7	11	10	21	14	8	9	15	8	10	11	19
XI. Diseases of early infancy.	1,425	1,422	...	...	...	...	...	...	...	...	...	...	...	...	...	3	804	619	2	132	104	119	127	116	103	120	106	128	156	123	91
XII. Old age	667	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	286	381	..	60	56	72	51	54	49	50	52	51	65	43	61
XIII. Affections produced by external causes	735	22	16	22	18	49	37	45	91	113	76	69	57	51	32	14	506	228	1	48	57	68	59	58	74	69	73	55	66	57	51
XIV. Ill-defined diseases	110	7	25	3	...	1	1	2	8	11	13	16	15	4	2	...	60	50	..	7	12	15	8	10	4	9	6	9	13	7	10
Still-Births (not included in totals)	1,061	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	596	505	80	118	88	93	78	90	78	61	83	92	111	82	87

TABLE No. 9.
Recapitulation of Causes of Death by Classes of Diseases in Towns of 5,000 population, 1918.

Causes of Death by Classes of Diseases	Ages.													Sex.		Months.															
	Ages.													Male.	Female.	Months.															
	Under 0-1.	1.	2.	3.	4.	5-9.	8-10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-73.	80 and over.	Not stated.	Male.	Female.	207	181	222	224	201	150	156	170	198	September.	October.	November.	December.
Grand Total.....	504	108	51	37	27	84	87	163	542	389	235	210	278	295	202	29	1,865	1,376	207	181	222	224	201	150	156	170	198	787	455	200	138
I. General diseases.....	53	46	23	34	17	37	48	95	357	235	103	83	78	58	17	10	733	551	47	38	60	52	44	30	46	37	39	493	300	138	
II. Diseases of the nervous system and of the organs of special sense.....	38	14	8	6	.....	3	3	4	5	9	13	23	40	47	22	6	122	115	25	25	19	30	22	22	13	18	19	19	15	10
III. Diseases of the circulatory system.....	2	.....	.....	.....	.....	2	4	6	12	32	29	38	83	79	43	3	177	146	31	31	34	28	23	23	21	14	23	20	32	34
IV. Diseases of the respiratory system.....	73	29	7	4	4	11	10	37	113	60	40	26	32	33	16	6	329	172	34	30	34	29	35	13	10	6	11	168	92	41	
V. Diseases of the digestive system.....	72	17	6	.....	1	13	12	9	10	13	12	13	15	7	4	4	103	105	18	11	16	13	5	9	14	37	48	16	11	10
VI. Non-venereal diseases of the genito-urinary system and adnexa.....	3	.....	.....	.....	1	3	.....	2	3	10	17	10	12	7	8	.....	39	37	5	7	7	7	8	6	3	6	9	1	9	
VII. The puerperal state.....	17	.....	.....	.....	.....	.....	.....	.....	6	9	2	.....	.....	.....	.....	.....	.....	17	1	1	1	4	1	1	.....	.....	.....	.....	.....	.....
VIII. Diseases of the skin and cellular tissue.....	17	1	2	2	1	1	7	2	1	9	8	1	1	5	2	1	2	1
X. Malformations.....	10	10	6	4	1	2	1	1	1	1
XI. Diseases of early infancy.....	249	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	135	114	23	15	20	20	27	15	16	26	28	35	11	17
XII. Old age.....	145	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	77	68	15	9	13	15	12	13	9	11	14	14	10	10
XIII. Affections produced by external causes.....	162	4	1	6	2	4	13	10	34	28	18	11	10	7	2	2	131	31	5	11	8	14	22	17	22	16	8	8	11	17	
XIV. Ill-defined diseases.....	12	.....	1	1	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	8	1	.....	2	.....	.....	1	.....	.....	.....	1	2	2
Still-Births (not included in totals).....	497	197	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	411	86	11	19	19	18	17	13	16	13	15	20	10	17

No. 10.

Diseases in each County, 1918.

Cities and Towns. Last column shows totals of individual diseases, including Cities and Towns, 1918.

County	Disease	Case Count	Total	Additional
Kent.	837	554	192	5
	709	471	140	3
Lambton.	508	319	91	3
	220	688	189	2
Leeds and Grenville.	282	282	83	1
	715	372	125	1
Lennox and Addington.	150	150	43	3
	1718	567	162	2
Middlesex.	284	284	108	89
	427	250	89	1
Norfolk.	806	107	125	229
	631	434	25	2
Northumberland and Durham.	634	423	100	1
	408	305	88	1
Oxford.	286	286	90	1
	596	354	93	1
Parry Sound.	544	212	57	2
	978	978	418	18
Peel.	271	271	84	58
	596	135	135	1
Perth.	700	428	127	2
	1366	838	269	4
Peterborough.	1040	797	290	4
	811	403	173	3
Prescott and Russell.	609	88	271	3
	271	559	643	2
Prince Edward.	135	231	62	1
	700	438	165	2
Rainy River.	1366	838	177	2
	1040	797	149	1
Renfrew.	811	403	236	3
	609	88	51	2
Simcoe.	1017	455	165	2
	988	523	177	2
Stormont, Dundas & Glengarry.	733	471	149	1
	2374	618	236	4
Sudbury.	8016	1281	472	3
	811	403	14	2
Thunder Bay.	643	559	219	28
	363	231	63	3
Timiskaming.	1017	455	165	2
	988	523	177	2
Victoria.	733	471	149	1
	2374	618	236	4
Waterloo.	8016	1281	472	3
	988	523	177	2
Welland.	733	471	149	1
	2374	618	236	4
Wentworth.	8016	1281	472	3
	988	523	177	2
York.	43038	2319	85	2
	43038	2319	85	2
Grand Total, including Cities and Towns.		.....	14,825	908
Numbers.		.....	1	1

TABLE Showing Total Deaths by Individual

N.B.—First line shows totals including Cities and Towns. Second line shows totals excluding

Table with columns for CAUSES OF DEATH, Total, and various locations (Albion, Brant, Bruce, Carleton, Dufferin, Elgin, Essex, Frontenac, Grey, Haldimand, Haliburton, Halton, Hastings, Huron, Kenora). Rows are categorized into sections: II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE, III.—DISEASES OF THE CIRCULATORY SYSTEM, IV.—DISEASES OF THE RESPIRATORY SYSTEM, and V.—DISEASES OF THE DIGESTIVE SYSTEM.

TABLE
Showing Total Deaths by Individual

N.B.—First line shows totals, including Cities and Towns, Second line shows totals excluding Cities

CAUSES OF DEATH.	Total.															
		Alagma.	Brant.	Bruce.	Carleton.	Dufferin.	Elgin.	Essex.	Frontenac.	Grey.	Haldimand.	Haliburton.	Halton.	Hastings.	Huron.	Kenora.
V.—DISEASES OF THE DIGESTIVE SYSTEM—CON.																
110. Diseases of the Intestines.....	19	1			1		3	1	2	1				2	2	2
111. Acute Yellow Atrophy of the Liver.....	32															
113. Cirrhosis of the Liver.....	32	1	2	2	2					1	1		1			
114. Biliary Calculi.....	23							1	1	1	1					
115. Other Diseases of the Liver.....	68	1	2				1	2	2	1	2		1		1	1
116. Diseases of the Spleen.....	6			1				1						1	1	2
117. Simple Peritonitis (non-puerperal).....	93	2	3	9	2	1	1	2	5	4	1		2	2	1	2
118. Other diseases of the digestive System (cancer and tuberculosis excepted).....	2															
VI.—NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA.																
Group total.....	772	6	7	32	11	6	27	31	8	23	11	2	17	22	40	3
119. Acute Nephritis.....	45			3	3			5	1	1			2	3	2	
120. Bright's Disease.....	578	5	6	20	6	6	26	21	5	13	7	2	14	14	30	3
121. Ohyluria.....	8														1	
123. Other Diseases of the Kidneys and Annexa.....	35			2	1			1	2	2	2			3		
123. Calculi of the Urinary Passages.....	4															
124. Diseases of the Bladder.....	21			2				1		1						
125. Diseases of the Urethra. Urinary Abscess, etc.	7									1						
126. Diseases of the Prostate.....	55	1	1	4	1			1		3	1		1	2	5	
127. Non-veneral diseases of the male genital organs.....																
129. Uterine Tumor (non-cancerous).....	5						1									
130. Other Diseases of the Uterus.....	5						2				1					
131. Oysts and other Tumors of the Ovary.....	7															
132. Salpingitis and other Diseases of the Female Genital Organs.....	2									1					1	
VII.—THE PUERPERAL STATE.																
Group total.....	132	3	2	3	4	2		4	3	2	1	2	2	5		6
134. Accidents of Pregnancy.....	10		1			1							1			
135. Puerperal Hamorrhage.....	16							2					1			
136. Other Accidents of Labor.....	28	3	1	1	2			1	3			1		1		5
137. Puerperal Septicæmia.....	37			2		2		1		1				1		
138. Puerperal Albuminuria and Convulsions.....	31					1				1	1	1		3		1
139. Puerperal Phlegmasia Alba Dolens, Embolus, Sudden Death.....																
140. Following Childbirth (not otherwise defined).....																
VIII.—DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE																
Group total.....	126	1		4	3	1	3	3		5	1		1	3	6	
142. Gangrene.....	88	1		3	3	1	2	3		4	1			3	2	
143. Furuncle.....	2															
144. Acute Abscess.....	30			1			1						1		4	
145. Other Diseases of the Skin and Annexa.....	6									1						
IX.—DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION																
Group total.....	8												1			
146. Diseases of the Bones (tuberculosis excepted).....	8												1			
147. Diseases of the Joints (tuberculosis and rheumatism excepted).....																
149. Other diseases of the organs of locomotion.....																
X.—CONGENITAL MALFORMATIONS																
Group total.....	77		2	4	1	2		2		4	1	2	2	2	2	2
150. Congenital Malformations (still-births not included).....	77		2	4	1	2		2		4	1	2	2	2	2	2

No. 10.—Continued.
Diseases in each County, 1918.

and Towns. Last column shows totals of individual diseases including Cities and Towns, 1918.

Kent.	Lambton.	Lanark.	Leeds and Grenville.	Lennox and Addington.	Lincoln.	Manitoulin.	Middlesex.	Muskoka.	Nipissing.	Norfolk.	Northumberland and Durham.	Ontario.	Oxford.	Parry Sound.	Peel.	Perth.	Peterborough.	Prescott and Russell.	Prince Edward.	Rainy River.	Renfrew.	Simcoe.	Stormont, Dundas and Glengarry.	Sudbury.	Thunder Bay.	Timiskaming.	Victoria.	Waterloo.	Welland.	Wellington.	Wentworth.	York.	Grand total, including Cities and Towns.	Numbers.				
4	1	1	1	2	1						1	1			1			1	1	1	1	1	1	1	5	1	1	1	1	1	2	2	194	110				
1	1	2	1	1	2	1					1	1	3					1			1	1	1		1	1	1	1	1	1	1	1	2	111				
1	1	1	1	1	1																													64	113			
1	2	1	1	1			9	2			3	2	2		2	2		3	2		2	3	3	2			1	1	1	1	1	1	3	44	111			
2	1	2	6	1		2	3	3	3		1	1	1	2	1	1	1	3	2		1	1	6		3					2				136	115			
																																			14	116		
																																				293	117	
																																				6	118	
15	19	12	36	17	16	3	23	7	3	20	37	23	13	15	26	23	9	21	6	1	14	24	30	2	1	7	1	14	19	18	11	33	1,521					
2					2			1	1	1	1		2				1									2									130	119		
12	13	9	30	15	12	2	15	5	3	15	26	21	8	14	18	16	6	19	4			10	24	35	1		2	1	2	15	14	7	22	1,071	120			
											4		1	1	1	1	1	2		1															9	121		
																																				10	122	
																																				13	123	
																																				45	124	
																																				11	125	
																																				99	126	
																																				1	127	
																																				15	129	
																																				18	130	
																																				19	131	
																																				10	132	
2	1	6	1	4	1		7	1	2	1	6	3	3		2	1	4	7		2	6	2	8	9		3	1	2	3		2	3	298					
																																					43	134
																																					26	135
																																					63	136
																																					92	137
																																					70	138
																																					2	139
																																					2	140
3	3	3	5	2	3	2	5	1	1	4	11	3	1	2	3	4		3	1	1		4	4	8	2		1	3	3	3	1	3		233				
2	1	3	3		2	2	4	1		3	9	3	1	1	3	3		1			2	4	8				2	2	1	1	3			151	142			
1	2		1	2	1		1	1	1									1			2						1	1	1	2	3				11	143		
																																					56	144
																																					15	145
																																					23	
																																					20	146
																																					2	147
																																					1	149
7		3					2		2		2	1	1	2				2				1	2	3	3	1		4	2	1	6	3	5		230			
7		3					2		2		2	1	1	2				2				1	2	3	3	1		4	2	1	6	3	5		230	150		

TABLE
Showing Total Deaths by Individual

CAUSES OF DEATH.	Total.															
		Alagma.	Brant.	Bruce.	Carleton.	Dufferin.	Elgin.	Essex.	Frontenac.	Grey.	Haldimand.	Haliburton.	Halton.	Hastings.	Huron.	Kenora.
XI.—DISEASES OF EARLY INFANCY.																
Group total.....	1,513	17	20	34	36	14	21	61	23	30	18	5	26	23	21	5
151. Congenital Debility, Icterus, and Sclerema ..	1,501	16	20	34	35	14	20	60	23	29	18	5	26	23	31	5
152. Other Diseases peculiar to Early Infancy	3				1					1						
153. Lack of Care.....	9	1					1	1								
XII.—OLD AGE.																
154. Group total.....	1,742	12	30	73	38	20	32	30	47	67	28	6	25	42	77	12
XIII. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																
Group Total	898	10	14	15	6	8	12	21	4	26	9	5	10	36	24	15
155. Suicide by poison	7														1	
156. Suicide by asphyxia.....	17		1	1	1					1				2		
157. Suicide by hanging or strangulation	5								1					1		
158. Suicide by drowning.....	14							2	1					1		
159. Suicide by firearms.....	3															
160. Suicide by cutting or piercing instruments...	1															
161. Suicide by jumping from high places.....	9						1			1						
163. Other Suicides.....	34	1	1		2			1		1		1				
164. Poisoning by food.....	12															
165. Other acute poisonings.....	74	2	1	2				7		5	1		2	2	1	
168. Absorption of Deleterious Gases (conflagration excepted)	13							1								1
169. Accidental Drowning.....	183	2	2	2	2	1	4	4	1	3	2	1	4	5	9	
170. Traumatism by firearms.....	36	2		1		2								2		3
171. Traumatism by cutting or piercing instru- ments	2															
172. Traumatism by fall	35			2		1				1				1	3	
173. Traumatism in mines and quarries.....	8											1		1		1
174. Traumatism by machines.....	15			2			1	1		1				1	1	
175. Traumatism by other crushing.....	143	1	1			3	3	2		3			1	14	3	1
(a) Railroad	50	1					2							1		1
(b) Street car	4															
(c) Automobile	15						1		1						2	
(d) Other crushing	74	1				3	1		2					14	1	
176. Injuries by animals	16								3				1	1	1	
177. Starvation	2									1				1		
178. Excessive cold.....	10	1		1												
179. Effects of heat.....	8							1								
180. Lightning	12															
181. Electricity (Lightning excepted).....	16		1							1						
182. Homicide by firearms	1															
183. Homicide by cutting or piercing instruments	1															
184. Homicide by other means	1															
185. Fractures (cause not specified).....	121	1	2	1		1	3	2		7	2			6	3	
186. Other external violence.....	100		5	3	1				1	2	2	1	1	3	6	
XIV.—ILL-DEFINED DISEASES.																
Group Total	156	1	3	9	6			2	5	6	1	2	2		1	24
187. Ill-defined organic disease.....	2															
188. Sudden death.....	20			2				1	1	4						
189. Cause of death not specified or ill-defined...	134	1	3	7	6			1	4	2	1	2	2		1	24
STILL-BIRTHS.																
Not included in Totals	1,142	20	18	49	28	10	11	37	5	22	15	13	17	22	30	

TABLE No. 11 — Continued.

OFFICIAL ENGLISH TRANSLATION. (DISEASES AND CAUSES OF DEATH.)		Total.	Belleville.	Brantford.	Chatham.	Fort William.	Galt.	Guelph.	Hamilton.	Kingston.	Kitchener.	Niagara Falls.	London.	Ottawa.	Peterborough.	Port Arthur.	St. Catharines.	St. Thomas.	Sarnia.	Sault Ste. Marie.	Straford.	Toronto.	Wellsand.	Windsor.	Woodstock.
VI.—NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ADNEXA.																									
Group Total		673	7	7	12	5	6	8	83	20	5	9	57	85	16	4	16	8	15	10	7	352	7	30	3
119. Acute Nephritis		76	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	42	1	2	3
120. Bright's Disease		445	6	6	6	5	5	4	63	14	4	5	44	55	12	3	13	6	13	7	4	139	6	22	3
121. Chyluria		1	1						1																
122. Other Diseases of the Kidneys and Annexa		37			1				3	2			3	3	1			2	1	1		20			
123. Calculi of the Urinary Passages		9																				1	5		
124. Diseases of the Bladder		20	1		1				1				3				3					10		1	
125. Diseases of the Urethra, Urinary Abscess, etc.		4													1							3			
126. Diseases of the Prostate		42		2	1				3	3		1	4	9	1	1						13	1	2	
127. Non-venereal Diseases of the Male Genital Organs		1																				1			
129. Uterine Tumor (non-Cancerous)		9			1		1					1		2								3			
130. Other Diseases of the Uterus		11							1	1				1								7		1	
131. Cysts and other Tumors of the Ovary ..		11								1		1		1								1		7	
132. Salpingitis and other Diseases of the Female Genital Organs		7			1				1					1								2		2	
VII.—THE PUERPERAL STATE.																									
Group Total		148		5	2	3	2	1	6	3		4	5	25	2	2			2	4	3	70	1	7	
134. Accidents of Pregnancy		36		2	1				1			1	2	5							2	1	13		2
135. Puerperal Hemorrhage		9												1								6		1	
136. Other Accidents of Labor		24			1		1		2			1		4			1					11		1	
137. Puerperal Septicæmia		49		1			1		2			1	1	9	2							27	1	2	
138. Puerperal Albuminuria and Convulsions ..		31		2		3			3	2		2	6				1		1	1	2	11		1	
139. Puerperal Phlegmasia Alba Dolens, Embolus, Sudd'n Death		2					1															1			
140. Following Childbirth (not otherwise defined)		1																				1			
VIII.—DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.																									
Group Total		50	1	2	1	3	2	13	1	2	5	12	1	1	1	3	1	4		3	33				2
142. Gangrene		50		2	1		1	5		1	2	4	8	1		1	2			2	19				1
143. Furuncle		8					1	2									1				3				1
144. Acute Abscess		24	1			2	1	5				1	3			1	1	2			6				
145. Other Diseases of the Skin and Adnexa ..		8						1					1								1	5			
IX.—DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION.																									
Group Total		15							1	2				1		1	2					8			
146. Diseases of the Bones (tuberculosis excepted)		12							1	2				1		1	2					5			
147. Diseases of the Joints (tuberculosis and rheumatism excepted)		2																				2			
149. Other Diseases of the Organs of Locomotion		1																				1			
X.—CONGENITAL MALFORMATIONS.																									
Group Total		143	1	2	1	3	1	5		1	1	3	12	5	1	3				1	1	98		3	1
150. Congenital Malformations (stillbirths not included)		143	1	2	1	3	1	5		1	1	3	12	5	1	3				1	1	98		3	1
XI.—DISEASES OF EARLY INFANCY.																									
Group Total		1425	24	33	21	32	11	18	138	44	24	19	72	249	20	16	31	22	18	50	14	496	19	46	8
151. Congenital Debility, Icterus and Sclerema		1339	24	33	21	31	11	17	137	41	24	18	72	248	20	16	31	22	18	49	14	417	18	46	8
152. Other Diseases peculiar to Early Infancy ..		76																				76			
153. Lack of Care		10				1	1	1				1		1						1		3	1		

TABLE No. 11.—Concluded.

OFFICIAL ENGLISH TRANSLATION. (DISEASES AND CAUSES OF DEATH.)		Total.	Belleville.	Brantford.	Chatham.	Fort William.	Galt.	Guelph.	Hamilton.	Kingston.	Kitchener.	Niagara Falls.	London.	Ottawa.	Peterborough.	Port Arthur.	St. Catharines.	St. Thomas.	Sarnia.	Sault Ste. Marie.	Stratford.	Toronto.	Welland.	Windsor.	Woodstock.
154	XII.—OLD AGE.																								
	Group Total.....	667	20	39	18	5	15	17	56	21	24	6	70	63	16	5	9	18	10	4	24	205	2	8	12
	XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																								
	Group Total.....	735	2	24	12	19	5	10	83	19	8	14	34	71	12	1	8	13	8	29	5	308	9	20	9
155.	Suicide by Poison.....	12							1		2		1								1	5		2	
156.	Suicide by Asphyxia.....	10							1													8			
157.	Suicide by Hanging or Strangulation.....	9		1				1					2	2								3			
158.	Suicide by Drowning.....	5										2		1								2			
159.	Suicide by Firearms.....	3											1							1					
160.	Suicide by Cutting or Piercing Instruments.....	7						1	1				1	1					1				2		
164.	Poisoning by Food.....	3																				3			
165.	Other Acute Poisonings.....	44		1		1			6	3	1		4	5	3	2	1	1	1	2		12			1
166.	Conflagration.....	9																				3	1		
167.	Burns (conflagration excepted).....	78		3		4	1	1	7	3		3	5	5	2	3	4	1	4	2		25	2	3	
168.	Absorption of Deleterious Gases (conflagration excepted).....	68	1					2	8				2	1								52		1	
169.	Accidental Drowning.....	60	2	3	3	2		2	6	4		2	2	5	1		1			4	1	20	1	1	
170.	Traumatism by Firearms.....	16	3	1					2					1					1	4		3		1	
172.	Traumatism by Fall.....	60		1	2		1		2	1	1		2	6								44			
173.	Traumatism in Mines and Quarries.....	4									2										1	1			
174.	Traumatism by Machines.....	15																				14			
175.	Traumatism by other Crushing.....	139	1	1		7	1	15	1	1	4	4	8	1	2		1	1	3		74		9	5	
	(a) Railroad.....	51				4	1	4		1	4	3	5	1	2			1	1	1		16		4	3
	(b) Street car.....	14				1						1	1									10			
	(c) Automobile.....	44		1				3				1	2									31		4	2
	(d) Other crushing.....	30	1			2		6	1											2		17		1	
176.	Injuries by Animals.....	4																			1	3			
178.	Excessive Cold.....	4		1					1				1	1											
179.	Effects of Heat.....	5																				5			
180.	Lightning.....	4				1								3											
181.	Electricity (lightning excepted).....	11			1											1						8		1	
182.	Homicide by firearms.....	4						1														3			
183.	Homicide by cutting or piercing instruments.....	1												1											
184.	Homicide by other means.....	14											8									6			
185.	Fractures (cause not specified).....	76	1	3	1	3		2	18	4	1	1	13	2	1	2	5			7	1	6	1	2	2
186.	Other External Violence.....	71	1	6	5	1	2	1	14	3		2	3	11	2		2	1	4	4	1	7	4		1
	XIV.—ILL-DEFINED DISEASES.																								
	Group Total.....	110	4	4			2	3	2	3	2	2	7	14	1	3					3	3	55		2
187.	Ill-Defined Organic Disease.....	3										1											2		
188.	Sudden Death.....	8											1	1		1						5			
189.	Cause of Death not Specified or Ill-defined.....	99	4	4			2	3	2	3	2	1	6	13	1	2					3	3	48		2
	STILL-BIRTHS.																								
	Not included in totals.....	1125	11	28	17	23	15	12	157	28	23	9	45		29	27	28	19	19	36	14	521	12	36	14

TABLE No. 12—Concluded.

OFFICIAL ENGLISH TRANSLATION (DISEASES AND CAUSES OF DEATH.)		Total.	Barrie.	Brockville.	Cobalt.	Collingwood.	Cornwall.	Ingersoll.	Kenora.	Lindsay.	Midland.	North Bay.	Orillia.	Oshawa.	Owen Sound.	Parry Sound.	Pembroke.	Renfrew.	Smith's Falls.	Sudbery.	Trenon.	Walkerville.	
VIII.—DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.																							
Group Total		17	..	2	..	..	2	1	..	2	2	..	1	..	2	..	..	..	2	1	2	..	..
142. Gangrene		13	..	2	..	..	1	1	..	1	2	..	..	..	2	..	..	..	2	1	1	..	..
143. Furuncle		1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
144. Acute Abscess		2	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..
145. Other diseases of the skin and annexa		1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
IX.—DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION.																							
Group Total		31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
X—CONGENITAL MALFORMATIONS.																							
Group Total		10	..	2	..	1	..	..	..	1	..	..	2	1	..	1	..	..	..	..	1	1	..
150. Congenital malformations (stillbirths not included)		10	..	2	..	1	..	..	..	1	..	..	2	1	..	1	..	..	..	..	1	1	..
XI.—DISEASES OF EARLY INFANCY.																							
Group Total		249	6	6	16	6	12	5	7	7	15	13	13	23	15	9	25	13	16	20	16	6	..
151. Congenital Debility, Icterus and Sclerema		247	6	6	15	6	12	5	7	7	15	13	13	23	15	9	25	13	15	20	16	6	..
152. Other diseases peculiar to early infancy		1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
153. Lack of care		1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
XII.—OLD AGE.																							
Group Total		145	14	12	..	14	19	3	5	7	3	5	9	6	18	..	7	2	2	5	10	..	..
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																							
Group Total		162	1	6	1	2	5	3	20	7	7	8	5	9	11	8	15	1	7	40	6	..	..
155. Suicide by Poison		2	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
156. Suicide by Asphyxia		1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
157. Suicide by hanging or strangulation		1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
159. Suicide by cutting or piercing instruments		1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
165. Other Acute Poisonings		4	..	..	..	..	..	..	..	2	..	..	..	..	1	..	..	..	..	1	..	..	..
162. Conflagration		1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
167. Burns (Conflagration Excepted)		25	..	1	..	1	..	6	1	..	1	..	..	2	2	4	..	..	..	8	1	..	..
168. Absorption of deleterious gases (conflagration excepted)		5	..	1	..	..	..	2	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..
169. Accidental Drowning		32	..	1	..	1	..	6	1	1	2	..	..	2	..	1	..	..	..	13	1	..	..
170. Traumatism by Firearms		10	..	..	1	..	..	1	..	..	..	2	1	..	1	..	..	..	..	1	3	..	..
172. Traumatism by Fall		1	..	..	..	..	..	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..
173. Traumatism in mines and quarries		2	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..
175. Traumatism by Other Crushing		25	..	1	..	..	..	3	1	..	1	..	2	..	2	1	..	..	4	6	..	..	..
(a) Railroad		23	..	1	..	..	..	3	1	..	1	..	2	..	2	1	..	..	4	5	..	..	..
(d) Other crushing		2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..
178. Excessive cold		2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	2	..	..
181. Electricity (lightning excepted)		2	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
185. Fractures (Cause not Specified)		37	1	1	..	4	..	3	2	..	1	1	2	..	1	3	..	..	1	6	1	..	..
186. Other External Violence		15	..	..	..	1	3	1	..	2	1	1	1	2	1	1	..	..	..	1	..	..	..
XIV.—ILL-DEFINED DISEASES.																							
Group Total		12	..	..	..	..	1	1	1	..	1	..	1	..	2	4	..	..	1	..	..	..	..
188. Sudden death		2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..
189. Cause of Death not Specified or Ill-defined		10	..	..	..	..	1	1	1	..	1	..	1	..	1	3	..	..	1	..	..	..	..
STILL-BIRTHS.																							
Not included in totals		197	12	22	4	6	9	13	1	4	13	14	9	11	15	9	4	8	10	15	11	7	..

TABLE No. 13.—Concluded.

Infant Mortality—Deaths Under 5 Years of Age, and Causes, 1918.

OFFICIAL ENGLISH TRANSLATION. (DISEASES AND CAUSES OF DEATH.)	Province.					Cities.				Towns.				Rural Municipalities.										
	Total.	Under 1 Yr.	1 Year.	2 Years.	3 Years.	Total.	Under 1 Yr.	1 Year.	2 Years.	3 Years.	Total.	Under 1 Yr.	1 Year.	2 Years.	3 Years.	Total.	Under 1 Yr.	1 Year.	2 Years.	3 Years.	4 Years.			
		4 Years.	4 Years.	4 Years.	4 Years.		4 Years.	4 Years.	4 Years.	4 Years.		4 Years.	4 Years.	4 Years.	4 Years.		4 Years.	4 Years.	4 Years.					
IX.—DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION.																								
Group total	4	1	2	1	...	3	1	1	1	...	...	...	...	...	...	1	...	1	...	...	...	...
146. Diseases of the bones (tuberculosis excepted)	3	...	2	1	...	2	...	1	1	...	...	...	...	...	...	1	...	1	...	...	...	...
149. Other diseases of the organs of locomotion	1	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
X.—CONGENITAL MALFORMATIONS.																								
150. Congenital malformations (stillbirths not included). Total	229	224	3	2	...	142	137	3	2	...	10	10	...	...	77	77	...	...	...	...	...	...
XI.—DISEASES OF EARLY INFANCY.																								
Group total	3184	3184	...	...	...	1422	1422	...	...	...	249	249	...	...	1513	1513	...	...	...	...	...	...
151. Congenital debility, icterus, and sclerema	3087	3087	...	...	...	1339	1339	...	...	...	247	247	...	...	1501	1501	...	...	...	...	...	...
152. Other diseases peculiar to early infancy	86	89	...	...	...	76	76	...	...	...	1	1	...	...	12	12	...	...	...	...	...	...
153. Lack of care	8	8	...	...	...	7	7	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																								
Group total	197	31	47	34	38	101	22	23	16	22	18	17	4	1	6	2	4	79	5	33	25	10	16	
164. Poisoning by food	2	1	...	...	1	2	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
165. Other acute poisonings	28	2	13	8	2	13	1	5	3	2	2	1	1	...	13	...	7	5	...	1	...	...	...
166. Conflagration	15	2	2	1	4	6	8	...	1	...	3	5	...	...	...	...	...	...	...	...	...	...	...
167. Burns (conflagration excepted)	63	7	11	23	15	6	37	6	11	10	10	...	8	1	...	3	1	3	20	...	3	10	1	3
168. Absorption of deleterious gases (conflagration excepted)	10	5	2	2	...	1	8	5	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...
169. Accidental drowning	21	...	6	5	5	8	4	...	1	...	1	2	1	...	19	...	5	4	4	6	...	...	...
170. Traumatism by firearms	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
172. Traumatism by fall	7	4	1	1	1	...	5	3	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
175. Traumatism by other crushing (a) Railroad	14	...	2	...	5	7	11	...	1	...	5	5	...	...	...	...	...	...	...	...	...	...	...
(c) Automobile	10	...	1	...	5	4	10	...	1	...	5	4	...	...	...	...	...	...	...	...	...	...	...
(d) Other crushing	2	...	...	...	...	2	1	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...
176. Injuries by animals	3	...	2	1	...	1	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
177. Starvation	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
178. Excessive cold	3	...	2	1	...	1	1	...	...	...	2	1	1	...	...	...	...	...	...	...	...	...	...
179. Effects of heat	3	...	2	...	...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
183. Homicide by cutting or piercing instruments	1	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
184. Homicide by other means	4	1	1	1	1	4	1	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...
185. Fractures (cause not specified)	2	...	...	1	1	1	...	...	...	...	1	1	...	1	...	...	...	...	...	...	...	...	...
186. Other external violence	15	4	3	3	1	4	3	1	...	...	2	3	1	...	1	1	...	9	2	3	3	...	1
XIV.—ILL-DEFINED DISEASES.																								
Group total	83	11	46	15	6	7	36	7	25	3	...	1	3	...	1	1	1	40	4	20	11	5	6	
188. Sudden death	2	...	2	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...
189. Cause of death not specified or ill-defined	83	11	44	15	6	7	36	7	25	3	...	1	3	...	1	1	1	41	4	18	11	5	6	
STILL-BIRTHS.																								
Not included in totals	2400	2400	...	...	...	1061	1061	...	...	...	197	197	...	...	1142	1142	...	...	...	...	...	...	...



APPENDIX

BIRTHS BY MONTHS AND SEX IN ONTARIO (INCLUDING CITIES AND TOWNS), 1918.

Countries.	Sex.	Total.	Months.												No. pairs of twins.	No. cases of triplets.	Illegitimate.	Still-Births.
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.				
Grand Total, Province.....		64,729	5,032	4,865	5,733	5,726	5,688	5,643	5,663	5,829	5,548	5,485	4,666	4,851	676	9	1,363	2,198
Total Counties, Cities, Towns.....	M	33,486	2,536	2,504	2,984	3,016	2,883	2,959	2,919	3,043	2,842	2,872	2,381	2,547	658	13	726	1,236
Total Counties, Cities, Towns.....	F	31,243	2,496	2,361	2,749	2,710	2,805	2,684	2,744	2,786	2,706	2,613	2,285	2,304	694	14	637	962
Total Counties only.....		33,459	2,526	2,436	2,943	2,981	2,960	2,972	2,953	3,090	2,942	2,799	2,434	2,423	349	5	329	1,096
Total.....	M	17,381	1,265	1,259	1,551	1,558	1,487	1,544	1,554	1,623	1,516	1,474	1,232	1,298	331	8	166	620
Total.....	F	16,978	1,261	1,177	1,392	1,423	1,473	1,428	1,399	1,467	1,426	1,325	1,182	1,125	367	7	163	476
Algoma.....	M	244	20	19	11	24	23	22	26	20	25	16	17	21	7	.....	3	11
	F	255	28	15	22	34	21	25	22	22	25	10	16	15	7	.....	2	12
		499	48	34	33	58	44	47	48	42	50	26	33	36	7	.....	5	23
Brant.....	M	262	14	24	18	16	20	25	26	29	24	30	13	23	5	.....	6	6
	F	250	15	16	14	25	26	25	20	19	19	21	14	16	5	.....	9	5
		492	29	40	32	41	46	50	46	48	43	51	27	39	5	.....	15	11
Bruce.....	M	446	27	35	42	45	38	47	38	41	47	31	26	29	3	2	8	20
	F	449	35	32	37	53	31	47	34	43	35	37	34	31	9	1	9	25
		895	62	67	79	98	69	94	72	84	82	68	60	60	6	1	17	45
Carleton.....	M	416	30	33	45	28	41	45	39	40	34	30	25	26	9	1	1	11
	F	381	18	31	37	35	38	34	38	37	37	24	21	31	3	2	2	19
		797	48	64	82	63	79	79	77	77	71	54	46	57	6	1	3	30

Dufferin	M	161	12	11	10	15	15	17	12	15	19	13	9	13	2	.....	2	.....	8
	F	131	16	5	11	12	15	12	11	10	9	9	10	11	4	.....	4	.....	7
		292	28	16	21	27	30	29	23	25	28	22	19	24	3	.....	2	.....	15
Elgin	M	257	23	24	26	28	20	24	16	16	20	22	20	18	3	.....	4	.....	7
	F	253	22	17	16	18	17	19	16	23	23	20	24	18	9	.....	4	.....	7
		490	45	41	42	46	37	43	32	39	43	42	44	36	6	.....	8	.....	14
Essex	M	651	49	49	57	67	39	48	67	65	60	57	49	44	11	.....	6	.....	22
	F	643	55	39	56	57	40	51	59	69	51	66	48	52	11	.....	2	.....	9
		1,294	104	88	113	124	79	99	126	134	111	123	97	96	11	.....	8	.....	31
Frontenac	M	228	18	10	24	21	27	22	15	16	21	23	18	13	2	.....	3	.....	5
	F	215	13	14	18	20	19	30	17	20	25	17	8	14	4	.....	1	.....	1
		443	31	24	42	41	46	52	32	36	46	40	26	27	3	.....	4	.....	6
Grev	M	505	38	34	32	43	55	49	38	46	50	39	39	42	13	.....	3	.....	11
	F	415	32	31	32	36	24	44	36	41	40	29	28	42	9	.....	1	.....	7
		920	70	65	64	79	79	93	74	87	90	68	67	84	11	.....	4	.....	18
Haldimand	M	233	15	23	21	22	18	21	18	14	16	12	27	26	8	.....	3	.....	13
	F	215	17	30	17	20	18	11	19	21	24	18	14	6	4	.....	8	.....	4
		448	32	53	38	42	36	32	37	35	40	30	41	32	6	.....	11	.....	17
Haliburton	M	81	8	3	6	8	4	7	9	11	6	6	5	8	1	.....	1	.....	10
	F	73	5	7	7	4	7	9	6	3	10	5	7	3	1	.....	2	.....	3
		154	13	10	13	12	11	16	15	14	16	11	12	11	1	.....	3	.....	13
Halton	M	209	12	13	13	14	14	20	26	23	26	16	15	17	7	.....	7	.....	9
	F	201	15	19	11	12	18	19	16	25	19	25	10	12	9	.....	.....	.....	3
		410	27	32	24	26	32	39	42	48	45	41	25	29	8	.....	7	.....	12

BIRTHS BY MONTHS AND SEX IN ONTARIO, 1918.—Continued.

Counties.	Sex.	Total.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No. pairs of twins.	No. cases of triplets.	Illegitimates.	Still-Births.
Hastings.....	M	476	22	35	37	39	43	47	45	53	31	46	37	41	5	5	8	22
	F	454	31	36	28	39	42	41	51	41	35	51	31	28	15	.....	4	9
Huron.....	M	453	34	40	39	41	44	37	46	44	33	38	26	31	6	3	2	20
	F	450	37	27	29	38	47	36	47	36	37	33	31	32	10	.....	2	6
Kenora.....	M	903	71	67	68	79	91	73	95	80	90	71	57	63	8	1	4	26
	F	137	12	11	16	16	18	11	9	14	14	5	4	7	.....	.....	1	1
Kent.....	M	125	10	13	9	5	10	10	14	15	6	7	17	9	6	.....	.....	1
	F	262	22	24	25	21	28	21	23	29	20	12	21	16	3	.....	1	2
Lambton.....	M	538	33	45	48	44	54	46	44	45	50	52	38	39	12	.....	5	21
	F	473	29	35	53	38	42	36	43	40	36	53	40	28	14	.....	6	16
Lanark.....	M	1011	62	80	101	82	96	82	87	85	86	105	78	67	13	.....	11	37
	F	382	31	26	49	30	31	31	34	34	31	37	25	23	15	.....	2	14
Leeds and Grenville.....	M	342	29	28	30	28	27	32	24	28	33	37	21	25	11	.....	3	7
	F	724	60	54	79	58	58	63	58	62	64	74	46	48	13	.....	5	21
Total	M	276	15	15	23	17	27	27	21	23	29	35	26	18	6	.....	4	11
	F	221	17	13	20	16	20	19	15	20	26	19	17	19	4	.....	1	7
Total	M	497	32	28	43	33	47	46	36	43	55	54	43	37	5	.....	5	18
	F	369	23	24	30	24	28	36	32	40	38	50	24	20	4	.....	5	11
Total	M	346	32	24	32	30	34	34	29	28	22	35	22	24	6	.....	7	12
	F	715	55	48	62	54	62	70	61	68	60	85	46	44	5	.....	12	23

Lennox and Addington.....	M	211	14	8	12	18	20	20	15	26	17	17	21	17	23	1	1	12
	F	177	20	13	19	10	24	13	19	10	18	18	17	8	6	3	2	5
Lincoln.....		388	34	21	31	28	44	33	34	36	35	38	38	25	29	2	3	17
	M	223	22	9	22	19	16	25	16	20	25	16	16	20	13	5	1	14
	F	216	23	15	26	11	19	13	23	21	10	21	24	24	10	3	5	7
Manitowin.....		439	45	24	48	30	35	38	39	41	35	37	41	23	23	4	6	21
	M	154	10	10	13	15	19	13	16	14	12	8	13	11	11	.....	6	3
	F	129	9	8	10	11	14	10	15	12	12	9	10	9	9	.....	5	3
Middlesex.....		283	19	18	23	26	33	23	31	26	24	17	23	20	20	.....	11	6
	M	429	36	45	34	42	36	34	34	47	28	35	32	26	26	7	4	11
	F	393	36	25	39	35	24	33	24	34	34	44	36	29	29	1	3	8
Muskoka.....		822	72	70	73	77	60	67	58	81	62	79	68	55	55	4	7	19
	M	234	19	13	27	22	26	11	18	27	21	15	20	15	15	6	3	11
	F	212	19	13	21	19	15	16	23	20	15	16	12	21	21	2	2	8
Nipissing.....		446	38	28	48	41	41	27	41	47	36	31	32	36	36	4	5	19
	M	300	28	30	21	27	18	31	18	28	24	32	16	27	27	12	3	25
	F	344	34	37	35	24	45	29	24	27	30	11	24	24	24	10	1	13
Norfolk.....		644	62	67	56	51	63	60	42	55	54	43	40	51	51	11	4	38
	M	271	14	24	21	28	23	25	21	31	22	10	32	20	20	4	1	2
	F	229	17	27	21	16	30	14	16	21	23	11	19	14	14	8	3	5
Northumberland and Durham.....		500	31	51	42	44	53	39	37	52	45	21	51	34	34	6	4	7
	M	556	33	30	60	49	51	46	51	58	54	42	31	51	51	8	8	21
	F	492	33	33	46	52	32	43	37	60	46	38	40	32	32	12	12	18
	1048	66	63	106	101	83	89	88	118	118	100	80	71	83	10	20	39	

BIRTHS BY MONTHS AND SEX IN ONTARIO, 1918—Continued.

Counties.	Sex.	Total.	Months												December.	No. pairs of twins.	No. cases of triplets.	Illegit- imates.	Still- births.
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.						
Ontario.....	M	338	32	17	29	23	21	40	38	28	26	34	26	24	8	8	9	17	
	F	309	28	17	35	22	23	34	32	23	23	28	23	18	8	8	9	11	
		647	60	34	64	45	44	74	70	51	55	62	44	44	8	18	28	28	
Oxford	M	296	19	23	20	26	28	28	25	29	26	35	26	16	4	4	4	9	
	F	291	24	18	21	27	33	29	15	25	27	24	26	22	6	6	1	10	
		587	43	41	41	53	56	57	40	54	53	59	52	38	5	5	5	19	
Parry Sound.....	M	331	27	24	32	35	40	19	35	30	24	20	23	22	5	2	1	15	
	F	292	32	23	31	27	30	18	23	25	26	19	20	18	9	1	3	16	
		623	59	47	63	62	70	37	58	55	50	39	43	40	7	1	4	31	
Peel.....	M	205	16	15	13	18	19	17	28	23	18	11	16	11	2	.....	.....	3
	F	177	16	13	13	18	17	15	17	21	16	8	14	9	2	.....	.....	7
		382	32	28	26	36	36	32	45	44	34	19	30	20	2	.....	.....	10
Perth	M	337	27	20	28	26	44	32	32	25	24	29	21	29	5	.....	4	16
	F	333	21	23	28	25	38	31	26	24	34	29	30	24	3	.....	1	8
		670	48	43	56	51	82	63	58	49	58	58	51	53	4	.....	5	24
Peterborough.....	M	255	19	16	28	22	21	16	34	19	15	17	26	22	6	.....	.....	10
	F	182	12	14	14	17	18	25	10	25	19	14	6	8	8	.....	.....	7
		437	31	30	42	39	39	41	44	44	34	31	32	30	7	.....	.....	17
Prescott and Russell.....	M	909	68	64	68	102	71	87	88	90	77	80	52	62	21	.....	.....	22
	F	793	54	68	71	70	77	71	67	70	82	65	44	54	25	.....	.....	23
		1,702	122	132	139	172	148	158	155	160	159	145	96	116	23	.....	.....	45

Prince Edward.....	M	140	6	13	8	16	15	12	16	10	8	11	11	14	2	2	11
	F	143	4	12	10	11	17	13	19	12	15	13	10	7	4	.....	4
		283	10	25	18	27	32	25	35	22	23	24	21	21	3	2	15
Rainy River.....	M	154	12	14	5	16	17	10	10	16	23	10	12	9	3	2	8
	F	161	13	10	14	10	12	15	13	20	17	13	11	13	3	2	5
		315	25	24	19	26	29	25	23	36	40	23	23	22	3	4	13
Renfrew.....	M	464	33	32	47	39	38	42	37	43	50	36	36	31	17	3	16
	F	443	37	41	37	48	50	43	44	31	32	36	24	20	9	2	15
		907	70	73	84	87	88	85	81	74	82	72	60	51	13	5	31
Simcoe.....	M	563	39	38	64	50	60	56	42	50	44	50	35	35	14	3	16
	F	538	41	43	49	54	49	44	45	55	45	42	35	36	16	1	16
		1,101	80	81	113	104	109	100	87	105	89	92	70	71	15	4	32
Stormont, Dundas and Glengarry.....	M	578	35	43	47	56	49	48	57	55	62	50	43	33	10	1	19
	F	496	36	22	45	48	53	39	49	52	38	42	35	37	10	3	21
		1,074	71	65	92	104	102	87	106	107	100	92	78	70	10	4	40
Sudbury.....	M	529	47	38	46	51	41	55	50	40	49	39	36	37	7	9	12
	F	500	57	41	45	50	47	43	38	39	35	35	35	35	17	3	10
		1,029	104	79	91	101	88	98	88	79	84	74	71	72	12	12	22
Thunder Bay.....	M	76	4	2	9	11	9	8	5	7	2	5	6	8	.....	.....	2
	F	69	2	11	5	8	6	4	7	7	1	3	7	8	2	1	2
		145	6	13	14	19	15	12	12	14	3	8	13	16	1	1	4
Timiskaming.....	M	641	62	47	61	65	41	51	53	62	56	55	43	45	13	7	20
	F	590	42	50	54	61	47	50	55	53	50	54	34	40	17	5	15
		1,231	104	97	115	126	88	101	108	115	106	109	77	85	15	12	35

BIRTHS BY MONTHS AND SEX IN ONTARIO, 1918—Concluded.

Counties.	Sex.	Total.												No. pairs of twins.	No. cases of triplets.	Illegitimate males.	Still-Births.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.				
Victoria	M	11	18	20	18	14	15	17	16	10	11	10	10	3	3	1	10
	F	10	16	17	14	19	11	18	8	14	14	15	15	3	3	1	7
		342	21	37	32	33	25	33	5	24	25	25	25	3	2	2	17
Waterloo	M	29	33	49	38	30	36	35	38	42	31	38	6	6	2	10	
	F	29	34	37	36	52	42	36	37	36	45	30	4	4	4	12	
		897	67	86	74	82	78	71	75	78	76	68	5	5	6	22	
Welland	M	33	21	43	42	26	44	37	34	37	36	49	10	10	1	6	
	F	27	27	28	42	32	35	37	43	37	36	32	4	4	3	8	
		847	60	71	84	58	79	71	77	74	72	81	7	7	3	14	
Wellington	M	29	33	37	24	33	25	38	29	26	26	29	5	5	2	11	
	F	25	19	25	30	31	33	28	35	24	28	25	5	5	1	10	
		685	54	62	54	64	58	66	64	50	54	54	5	5	3	21	
Wentworth	M	27	28	32	27	22	24	34	20	27	27	31	8	8	4	11	
	F	38	20	22	26	25	29	30	31	13	26	22	4	4	6	9	
		638	65	48	53	47	53	64	51	40	53	53	6	6	10	20	
York	M	78	77	108	91	85	93	95	98	113	85	98	20	20	10	44	
	F	66	56	95	81	98	99	99	86	93	98	89	28	28	16	33	
		2,171	133	203	172	183	192	190	184	206	183	187	24	24	26	77	

BIRTHS BY MONTHS, AND SEX—CITIES, 1918.

Cities.	Sex.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No. pairs of twins.	No. cases of triplets.	Illegiti-mates.	Still-Births.
Grand Total.....	.....	26,903	2,187	2,094	2,416	2,330	2,293	2,209	2,323	2,264	2,319	1,904	2,124	282	4	976	919
Total Males.....	.....	13,883	1,101	1,076	1,246	1,234	1,214	1,159	1,215	1,152	1,215	908	1,093	279	5	529	514
Total Females.....	.....	13,020	1,086	1,018	1,170	1,096	1,079	1,140	1,108	1,112	1,104	936	1,031	285	7	447	405
Belleville.....	M	158	12	21	10	11	16	7	10	11	16	8	18	6	2	2	7
	F	134	7	4	14	16	13	12	12	13	14	12	10	2	1	1	2
		292	19	25	24	27	29	19	22	24	30	20	28	4	1	3	9
Brantford.....	M	362	40	29	26	34	26	27	35	37	29	28	19	8	.....	4	11
	F	339	29	30	22	22	39	27	31	35	31	19	26	14	.....	7	11
		701	69	59	48	56	65	54	66	72	60	47	45	11	.....	11	22
Chatham.....	M	149	15	13	11	17	15	12	15	11	9	4	14	1	.....	2	10
	F	118	11	8	12	11	10	11	13	10	9	7	10	1	.....	2	2
		267	26	21	23	28	25	23	28	21	18	11	24	1	.....	4	12
Fort William.....	M	353	29	21	26	37	34	19	29	22	26	36	38	8	.....	4	9
	F	371	41	31	33	25	36	36	22	31	34	33	25	12	.....	.....	4
		724	70	52	59	62	72	55	51	53	60	69	63	10	.....	4	13
Galt.....	M	130	8	7	10	12	11	8	17	17	13	6	7	3	.....	3	4
	F	121	7	8	10	8	13	11	7	7	14	7	11	1	.....	2	1
		251	15	15	20	20	32	19	24	24	27	13	18	2	.....	5	5

Cities.	Sex.	Total.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No. pairs of twins.	No. cases of triplets.	Illegiti- mates.	Still- Births
Guelph	M	169	11	10	13	21	16	9	16	17	14	14	11	17	2	.....	4	5
	F	201	16	16	16	16	16	21	21	20	25	14	14	12	2	.....	5	6
		370	21	26	29	37	32	30	37	37	39	28	25	29	2	.....	9	11
Hamilton	M	1,437	118	102	125	222	105	124	115	139	130	135	109	113	33	.....	39	78
	F	1,333	131	119	116	107	124	111	99	115	116	107	97	91	31	3	33	54
		2,770	249	221	241	229	229	235	214	254	246	242	206	204	32	1	72	132
Kingston	M	324	25	25	30	32	18	18	19	27	27	37	32	34	14	.....	12	16
	F	309	36	20	23	26	34	28	20	31	18	27	21	25	10	.....	13	8
		633	61	45	53	58	52	46	39	58	45	64	53	59	12	.....	25	24
Kitchener	M	256	19	21	29	22	27	23	21	24	19	25	16	10	3	.....	3	11
	F	232	15	25	25	19	16	17	20	14	29	16	15	21	7	.....	2	8
		488	34	46	54	41	43	40	41	38	48	41	31	31	5	.....	5	19
London	M	613	50	50	57	50	53	65	52	42	62	56	40	36	17	.....	21	21
	F	575	56	52	42	42	47	49	55	47	45	53	44	43	9	.....	16	26
		1,188	106	102	99	92	100	114	107	89	107	109	84	79	13	.....	37	47
Niagara Falls	M	169	19	15	10	9	15	20	14	13	14	16	11	13	.....	.....	5	4
	F	147	13	19	17	11	10	5	9	15	15	11	10	12	.....	.....	2	4
		316	32	34	27	20	25	25	23	28	29	27	21	25	.....	.....	7	8

M F	Ottawa.....	1,530	105	118	135	119	155	133	157	106	119	149	109	128	30	113	32
		1,438	113	87	118	122	136	124	137	132	122	115	108	124	36	90	30
M F	Peterborough	2,968	218	205	253	241	291	257	294	235	241	264	217	252	33	203	62
		219	19	19	16	24	20	20	14	18	18	16	18	15	20	1	8	11
M F	Port Arthur	224	10	21	24	19	21	10	18	25	14	18	21	23	5	3	10
		443	29	40	40	43	41	30	32	43	30	36	36	43	3	11	21
M F	St. Catharines	257	22	17	40	15	30	10	12	18	21	22	22	28	5	1	10
		240	23	19	17	25	18	19	20	17	19	19	18	26	7	1	7
M F	St. Thomas.....	497	45	36	57	40	48	29	32	35	40	41	40	54	6	2	17
		239	20	22	20	18	13	20	22	26	17	25	19	17	3	1	9
M F	Sarnia.....	277	20	22	17	19	15	19	27	33	27	35	24	19	15	7	7
		516	40	44	37	37	28	39	49	59	44	60	43	36	9	1	16
M F	Sault Ste. Marie	184	16	15	21	9	15	16	12	20	16	22	7	15	4	.....	3
		141	18	13	13	9	14	7	14	8	12	14	10	9	2	.....	5
M F	Stratford.....	325	34	28	34	18	29	23	26	28	28	36	17	24	3	.....	8
		173	7	16	22	17	12	15	14	14	15	16	12	14	13	3	3
M F	Sault Ste. Marie	116	7	12	11	12	9	11	19	4	9	7	7	8	1	2	.....
		289	14	28	33	29	21	26	33	19	19	25	19	21	21	2	5	3
M F	Stratford.....	237	27	12	27	24	15	14	17	31	25	14	13	18	5	7	10
		288	18	25	35	37	23	15	19	30	17	21	25	21	5	1	12
M F	Stratford.....	525	45	37	62	61	40	29	36	61	42	35	38	39	5	8	22
		172	12	16	6	20	16	24	15	15	13	9	13	10	18	4	3	4
M F	Stratford.....	148	12	16	21	13	11	9	7	14	14	14	7	10	2	.....	4
		320	24	32	27	33	27	33	22	27	27	23	27	17	28	3	3	8

BIRTHS BY MONTHS, AND SEX—CITIES, 1918.—Concluded

Cities.	Sex.	Total.	Months												No. pairs of twins.	No. cases of triplets.	Illegitimate.	Still-births.
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.				
Toronto	M	6,131	476	483	546	557	555	546	527	547	488	504	424	478	114	2	289	221
	F	5,648	464	437	516	477	500	471	512	476	481	470	394	450	112	1	251	174
		11,779	940	920	1,062	1,034	1,017	1,033	1,023	969	974	818	928	113	1	540	395	
Welland	M	105	12	9	12	19	5	15	9	8	6	6	3	3	3	.....	2	6
	F	140	11	9	17	12	10	8	10	11	6	16	9	5	5	.....	3	5
		245	23	18	29	31	15	23	19	19	12	22	12	4	4	.....	5	11
Windsor	M	421	29	29	40	43	39	37	40	43	42	21	31	31	9	.....	3	23
	F	386	31	22	44	39	26	36	27	34	44	17	39	39	3	.....	5	20
		807	60	51	84	82	75	64	67	77	86	38	70	6	6	.....	8	43
Woodstock	M	95	10	6	14	2	8	7	7	10	12	7	5	3	3	.....	1	6
	F	94	3	3	7	9	13	11	5	8	11	10	7	3	3	.....	.....	5
		189	13	9	21	11	21	18	12	18	23	17	12	3	3	.....	1	11

BIRTHS BY MONTHS AND SEX—TOWNS, 1918.

Towns.	Sex.	Total.	January.	February.	March.	April.	May.	June.	July.	August.	Septem-ber.	October.	Novem-ber.	Decem-ber.	No. Pairs of Twins.	No. Cases of Triplets.	Illegiti-mates.	Still-Births.
Grand Total.....	....	4,367	319	335	374	415	378	378	411	416	342	367	328	304	45	.....	58	183
Total Males.....	....	2,222	170	169	187	224	186	201	206	205	174	183	161	156	48	.....	31	102
Total Females.....	....	2,145	149	166	187	191	192	177	205	211	168	184	167	148	42	.....	27	81
Barrie.....	M F	78 63	5 7	4 2	5 3	9 6	9 4	7 10	5 6	9 7	10 8	5	5 6	5 4	2 2	.....	3	7 5
Brookville.....	M F	141 122 115	12 11 13	6 9 5	8 8 8	15 12 10	13 12 14	17 9 11	11 9 9	16 18 11	18 13 7	5 13 9	11 4 9	9 8 9	2 2 2	.....	3	12 6 7
Cobalt.....	M F	237 126 102	24 11 6	14 9 9	16 12 12	18 19 10	26 13 11	20 13 10	18 8 9	29 7 10	20 4 2	22 13 10	13 10 8	17 7 5	2 6 2	.....	4	13 1 3
Collingwood.....	M F	228 120 66	17 6 1	18 15 7	24 13 5	29 11 4	24 6 6	23 8 3	17 16 5	17 8 4	6 8 6	6 14 12	18 10 8	12 5 5	4 6 2	.....	2	4 5 6
Corunwall.....	M F	186 96 96	7 8 8	22 6 7	18 11 7	15 6 9	12 10 8	11 12 7	21 8 12	12 6 11	14 6 4	26 10 13	18 7 5	10 6 5	4 3 3	.....	3	11 8 7
Ingersoll.....	M F	192 64 54	16 6 5	13 4 4	18 8 4	15 4 4	18 4 6	19 5 3	20 6 4	17 6 1	10 7 3	10 3 11	12 4 5	11 7 4	3 .....	.....	4	15 3 6
		118	11	8	12	8	10	8	10	8	10	14	9	11	.....	.....	.....	9

BIRTHS BY MONTHS AND SEX—TOWNS, 1918.—Concluded.

Town.	Sex.	Total.												No. Pairs of Twins.	No. Cases of Triples.	Illegiti- mates.	Still- Births.
		January.	February.	March.	April.	May.	June.	July.	August.	Septem- ber.	October.	Novem- ber.	Decem- ber.				
Kenora	M	77	5	7	8	5	8	6	4	3	8	10	9	2	1	2	
	F	80	1	9	9	7	10	4	5	9	11	5	7	2	1	2	
		157	6	13	17	12	18	10	9	12	19	15	16	2	2		
Lindsay	M	95	5	9	8	8	9	10	8	10	4	9	7	3	2	2	
	F	99	9	9	4	8	9	11	12	5	5	6	13	3	1	2	
		194	14	18	12	16	18	21	20	15	9	15	20	3	3	4	
Midland	M	95	10	2	17	8	12	9	7	5	17	6	3	2	1	8	
	F	88	6	12	11	7	5	7	11	1	9	6	3	3	1	5	
		183	8	16	28	15	17	16	18	6	21	12	6	1	2	13	
North Bay	M	149	10	8	16	11	8	19	16	6	12	12	11	3	3	10	
	F	194	11	17	15	14	13	18	22	16	14	14	18	5	1	5	
		343	21	25	31	25	21	37	38	22	26	26	29	4	4	15	
Orillia	M	120	3	15	9	10	9	16	13	10	3	14	10	4	2	4	
	F	111	6	7	9	7	15	8	11	14	9	8	11	4	2	5	
		231	9	22	15	17	24	24	24	24	12	22	21	4	4	9	
Oshawa	M	128	10	9	19	4	10	11	11	7	16	8	14	3	3	5	
	F	131	10	13	11	14	9	18	14	11	7	4	5	5	1	3	
		259	20	22	20	33	19	29	25	18	23	12	19	4	4	8	
Owen Sound	M	154	4	19	12	14	16	13	20	14	10	13	6	2	2	4	
	F	143	10	14	17	10	4	16	19	9	13	11	8	2	3	7	
		297	14	33	29	24	20	29	39	23	23	24	14	2	5	11	
Parry Sound	M	86	7	4	7	5	10	10	8	8	8	5	10	3	2	5	
	F	104	4	9	6	12	9	9	13	11	7	12	4	1	6	2	
		190	11	13	12	13	17	19	21	19	15	17	14	2	8	7	

M	140	15	7	10	14	13	13	10	18	10	9	9	12	.....	.....	.....	3	5
F	115	6	10	9	6	10	12	11	15	12	10	9	5	.....	.....	.....	.....	4
	255	21	17	19	20	23	25	21	33	22	19	18	17	.....	.....	.....	3	9
M	102	14	9	7	7	9	11	4	9	11	8	6	7	.....	.....	.....	1	4
F	91	4	2	6	12	9	9	11	9	8	3	12	6	.....	.....	.....	3	3
	193	18	11	13	19	18	20	15	18	19	11	18	13	.....	.....	.....	4	7
M	99	2	7	7	11	12	9	15	8	10	9	4	5	.....	.....	.....	1	4
F	106	6	10	12	8	15	8	5	3	10	15	7	7	.....	.....	.....	2	2
	205	8	17	19	19	27	17	20	11	20	24	11	12	.....	.....	.....	3	6
M	198	21	21	21	18	17	13	14	20	14	13	16	10	.....	.....	.....	1	14
F	217	21	19	15	21	15	18	26	17	22	17	14	12	.....	.....	.....	2	3
	415	42	40	36	39	32	31	40	37	36	30	30	22	.....	.....	.....	3	17
M	102	8	8	10	9	11	7	11	6	10	8	6	8	.....	.....	.....	.....	4
F	98	4	10	11	9	6	5	15	7	4	5	10	12	.....	.....	.....	.....	4
	200	12	18	21	18	17	12	26	13	14	13	16	20	.....	.....	.....	.....	8
M	71	6	3	6	8	5	12	6	3	8	5	3	6	.....	.....	.....	.....	1
F	72	4	5	10	5	8	7	1	9	6	4	8	5	.....	.....	.....	.....	2
	143	10	8	16	13	13	19	7	12	14	9	11	11	.....	.....	.....	.....	3

Pembroke.....

Renfrew.....

Smith's Falls.....

Sudbury.....

Trenton.....

Walkerville.....

MARRIAGES BY MONTHS—COUNTIES, 1918.

Counties.	Total.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Grand Total.....	19,525	1,512	1,392	1,419	1,887	1,508	2,845	1,368	1,288	1,830	1,453	1,447	1,576
(All Municipalities)													
Total Counties (excluding Cities and Towns).....	7,679	639	561	579	798	534	1,095	512	401	753	603	539	665
Algoma.....	126	13	7	5	9	10	14	22	16	8	12	4	6
Brant.....	123	5	10	13	20	5	19	10	5	13	3	9	11
Bruce.....	221	18	20	18	12	14	20	18	9	21	24	15	23
Carleton.....	150	8	11	10	13	9	20	12	4	15	11	14	10
Dufferin.....	86	7	10	11	5	6	14	3	4	7	4	3	12
Elgin.....	141	11	11	14	10	7	16	11	9	17	11	9	18
Essex.....	311	23	30	21	33	20	45	11	19	39	21	23	24
Frontenac.....	93	7	12	7	13	3	13	4	4	9	7	6	8
Grey.....	267	28	27	27	20	20	34	22	12	35	15	19	8
Haldimand.....	128	9	8	6	9	15	15	5	3	17	11	16	14
Haliburton.....	32	2	.....	3	4	7	6	3	.....	3	1	1	2
Halton.....	102	3	6	6	4	7	18	3	9	22	7	4	14
Hastings.....	257	28	18	14	22	22	33	22	8	24	18	21	27
Huron.....	290	19	23	28	29	15	12	22	17	30	24	17	30
Kenora.....	16	.....	.....	1	.....	2	2	3	3	1	1	2	1
Kent.....	251	22	16	15	32	22	33	17	15	22	13	16	28
Lambton.....	192	13	10	15	24	13	21	10	7	14	14	13	28
Lanark.....	161	12	13	8	22	7	21	17	10	21	10	12	11
Leeds and Grenville.....	235	28	15	18	28	12	29	13	8	33	17	15	19
Lennox and Addington.....	116	8	14	12	11	8	16	8	8	10	7	8	6
Lincoln.....	141	11	7	10	12	12	17	20	13	10	14	8	7
Manitoulin.....	52	7	5	2	5	2	4	5	6	7	4	4	1
Middlesex.....	295	18	10	21	34	17	31	7	7	17	13	20	20
Muskoka.....	17	7	7	6	11	5	16	7	9	7	9	6	7
Nipissing.....	113	9	5	7	20	4	11	9	11	13	13	3	10
Norfolk.....	128	7	13	12	17	15	12	3	5	13	12	7	12
Northumberland and Durham	301	22	19	35	34	21	43	13	26	28	23	20	26
Ontario.....	165	11	17	23	12	10	18	9	7	11	12	8	24
Oxford.....	165	15	7	14	18	8	25	10	8	16	17	13	14
Parry Sound.....	107	8	7	6	10	12	13	10	3	8	14	6	10
Peel.....	33	6	5	9	8	3	23	6	4	7	10	4	8
Perth.....	182	21	12	15	22	8	20	12	4	22	12	10	24
Peterborough.....	74	6	3	5	7	8	8	6	5	4	9	5	8
Prescott and Russell.....	285	35	18	11	43	20	49	13	15	26	16	25	14
Prince Edward.....	94	10	6	11	5	10	10	3	8	6	6	6	13
Rainy River.....	56	3	3	2	7	12	8	3	4	3	3	3	5
Renfrew.....	202	26	19	7	27	10	27	11	12	17	19	14	13
Simcoe.....	232	16	20	17	25	16	36	18	9	10	25	17	23
Stormont, Dundas & Glengarry	250	17	21	15	24	29	45	16	7	29	17	21	18
Sudbury.....	80	5	3	5	9	9	11	4	8	5	7	6	4
Thunder Bay.....	14	.....	.....	3	1	3	2	2	1	.....	.....	.....	2
Timiskaming.....	212	15	13	8	22	10	35	20	16	22	19	15	17
Victoria.....	113	8	7	10	13	6	18	10	4	10	13	8	6
Waterloo.....	218	23	20	15	25	11	37	15	13	17	16	15	11
Welland.....	144	9	14	4	9	9	25	9	10	18	8	13	16
Wellington.....	185	15	16	15	22	11	26	9	10	18	13	17	13
Wentworth.....	131	12	6	16	9	10	20	7	4	12	22	7	6
York.....	329	24	16	29	37	28	45	19	8	36	23	31	33

MARRIAGES BY MONTHS IN THE CITIES OF ONTARIO, 1918.

Cities.	Total.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total.....	10,483	757	737	745	957	872	1,560	767	793	935	739	809	803
Belleveille.....	120	8	6	8	17	9	17	12	9	10	11	5	7
Brantford.....	233	18	15	18	23	21	32	26	17	14	10	18	16
Chatham.....	121	10	13	15	9	8	21	14	10	7	6	11	8
Fort William.....	151	7	5	4	16	20	29	12	12	20	19	11	11
Galt.....	118	6	6	7	13	9	24	7	12	12	10	6	6
Guelph.....	112	9	9	10	18	15	29	10	13	12	10	9	3
Hamilton.....	1,003	73	81	85	97	79	141	79	66	78	70	82	69
Kingston.....	307	19	18	24	33	22	39	18	24	36	21	30	21
Kitchener.....	159	12	10	12	13	20	15	13	11	18	10	12	8
London.....	555	34	38	38	45	39	84	38	45	59	34	48	53
Niagara Falls.....	213	14	9	16	19	16	38	13	19	29	6	21	22
Ottawa.....	892	57	61	52	83	83	118	66	77	83	65	81	56
Peterborough.....	193	20	10	12	23	17	36	13	10	16	15	15	12
Port Arthur.....	136	9	7	13	19	11	14	13	21	10	18	14	15
St Catharines.....	166	15	9	7	14	20	26	12	13	11	11	10	15
St. Thomas.....	142	8	10	6	12	8	22	11	13	10	9	5	8
Sarnia.....	117	6	15	12	9	12	16	10	10	10	14	12	13
Sault Ste. Marie.....	170	9	21	10	12	10	25	13	12	17	14	12	13
Stratford.....	93	3	6	5	9	6	19	7	9	9	8	8	4
Toronto.....	4,990	383	358	350	436	409	761	346	375	443	356	363	410
Wendland.....	98	3	3	15	10	9	16	5	6	6	6	6	11
Windsor.....	287	24	30	18	33	22	35	21	28	21	15	24	20
Woodstock.....	77	5	6	7	5	4	13	2	7	6	9	5	8

MARRIAGES BY MONTHS IN THE TOWNS OF ONTARIO, 1918.

Towns.	Total.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total.....	1,363	116	94	95	132	102	190	89	88	139	111	99	108
Barrie.....	42	3	1	3	5	1	8	2	3	5	2	4	4
Brockville.....	121	8	7	4	13	8	28	9	9	12	10	9	11
Cobalt.....	67	6	5	3	13	5	10	5	2	2	6	6	3
Collingwood.....	59	10	7	7	4	3	8	6	4	5	2	2	1
Cornwall.....	66	6	6	2	8	11	7	4	3	7	1	1	1
Ingersoll.....	42	4	4	3	3	3	6	3	4	4	2	3	3
Kenora.....	26	1	1	2	1	3	3	1	3	3	2	2	3
Lindsay.....	113	9	10	10	13	7	13	3	6	18	15	6	10
Midland.....	44	3	5	4	3	8	3	1	3	2	3	3	6
North Bay.....	55	4	4	4	7	2	6	3	3	9	4	4	3
Oroville.....	82	5	.....	12	10	12	12	5	5	12	2	2	6
Oshawa.....	55	5	2	6	2	5	8	3	3	6	5	4	4
Owen Sound.....	98	3	8	8	3	3	13	10	11	11	10	10	10
Parry Sound.....	65	3	5	1	6	3	9	3	5	10	3	3	3
Pembroke.....	76	9	3	10	3	3	10	3	4	3	6	7	4
Renfrew.....	65	3	3	2	4	3	11	3	3	6	5	5	3
Smith's Falls.....	51	4	4	6	2	4	6	3	3	6	6	6	3
Sudbury.....	94	5	12	2	9	11	13	3	11	7	8	10	10
Trenton.....	34	10	8	8	3	11	8	2	1	6	6	6	6
Walkerville.....	48	2	2	2	3	7	8	2	5	5	3	5	4

Marriages by Denominations in the Province of Ontario, 1918.

(Including Cities and Towns).

GROOMS.	Brides.		Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.	TOTAL Brides.
	Anglican.	Presbyterian.											
Anglican.....	2,298	568	584	206	151	16	24	4	3	2	39	.....	3,895
Presbyterian	588	2,451	665	117	162	30	26	5	2	1	50	1	4,096
Methodist.....	592	784	3,472	136	199	18	51	10	5	5	64	2	5,339
Roman Catholic.....	221	115	116	2,900	40	2	15	.....	1	.....	17	1	3,428
Baptist	164	162	235	40	493	12	13	1	.....	2	15	1	1,136
Congregationalist.....	14	22	26	2	7	28	1	2	.....	.....	2	.....	104
Lutheran.....	14	24	37	15	8	1	410	4	.....	1	4	.....	518
Evangelical Association .....	.....	6	17	1	3	.....	7	61	.....	1	1	.....	97
Hebrew	1	3	2	1	.....	.....	.....	.....	312	.....	.....	.....	319
Salvation Army.....	7	7	11	.....	.....	.....	1	.....	.....	40	1	.....	67
Others Denominations.	26	42	39	11	21	3	4	4	.....	2	359	.....	511
Denomination not stat'd	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	9	11
TOTAL GROOMS	3,925	4,181	5,204	3,429	1,085	110	552	91	323	54	553	15	19,525

Licenses, 17,344.

Banns 2,181.

Marriages by Ages in the Province of Ontario, 1918.

(Including Cities and Towns).

GROOMS.

AGE.	GROOMS.													TOTAL
	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	
15	586	2,047	952	209	89	18	18	4	.....	.....	1	.....	.....	3,924
20	288	3,295	2,728	934	366	101	28	10	1	1	1	.....	.....	7,753
25	11	442	1,608	948	574	184	74	27	10	3	2	2	.....	3,685
30	2	54	274	525	471	208	105	38	15	4	3	1	.....	1,700
35	.....	4	38	122	320	229	148	77	35	13	3	2	.....	591
40	.....	3	10	28	76	146	126	68	40	20	16	5	.....	538
45	.....	.....	2	5	16	40	103	73	37	28	11	4	.....	319
50	.....	.....	.....	.....	2	4	20	47	50	32	13	8	.....	176
55	.....	.....	.....	.....	1	1	4	17	38	33	25	9	.....	128
60	.....	.....	.....	.....	1	1	.....	2	8	20	18	14	.....	64
65	.....	.....	.....	.....	.....	.....	2	2	2	3	10	14	.....	33
70 & over	.....	.....	.....	.....	.....	.....	1	.....	1	3	.....	9	.....	14
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	887	5,845	5,612	2,771	1,916	932	629	365	237	160	103	68	.....	19,525

BRIDES.

Marriages by Denominations in the Counties of Ontario, 1918.

(Excluding Cities and Towns).

GROOMS.	Brides.	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.	TOTAL BRIDES.
Anglican		563	165	227	31	34	2	8	2	.....	.....	16	.....	1,048
Presbyterian.....		188	1,103	324	20	55	8	10	2	.....	.....	20	1	1,731
Methodist		204	365	1,828	31	76	5	27	5	2	3	38	1	2,585
Roman Catholic		43	20	21	1,369	3	1	7	.....	.....	.....	2	.....	1,366
Baptist		40	43	98	6	193	6	3	1	.....	.....	5	.....	395
Congregationalist		3	8	12	.....	1	4	.....	.....	.....	.....	.....	.....	28
Lutheran.....		7	12	15	4	2	.....	191	3	.....	.....	2	.....	236
Evangelical Association..		5	11	1	1	.....	6	44	.....	1	1	.....	70
Hebrew		1	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	4
Salvation Army	1	4	.....	.....	.....	.....	.....	.....	5	.....	.....	10
Other Denominations....		7	19	21	1	9	1	2	1	.....	1	141	.....	203
Denomination not stated.		3	3
TOTAL GROOMS.....		1,056	1,741	2,561	1,363	374	27	254	58	5	10	225	5	7,679

Licenses, 6,654.

Banns, 1,025.

Marriages by Ages in the Counties of Ontario, 1918.

(Excluding Cities and Towns).

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 and over	Not stated.	TOTAL
	15	291	838	470	113	42	8	8	1
20	133	1,288	1,124	393	144	40	9	5	.....	1	.....	.....	.....	.....	3,137
25	5	176	605	379	206	65	28	14	2	1	2	.....	.....	.....	1,483
30	.....	22	102	182	156	68	44	16	4	3	3	.....	.....	.....	600
35	.....	1	13	41	86	72	49	29	10	4	1	1	.....	.....	307
40	.....	2	2	9	17	45	35	29	16	8	5	3	.....	.....	171
45	.....	.....	.....	2	8	10	33	26	13	6	5	1	.....	.....	101
50	.....	.....	.....	.....	.....	2	7	18	20	12	6	3	.....	.....	68
55	.....	.....	.....	.....	.....	1	1	6	10	17	11	3	.....	.....	49
60	.....	.....	.....	.....	.....	1	.....	1	2	7	16	9	.....	.....	36
65	.....	.....	.....	.....	.....	.....	1	1	.....	1	6	7	.....	.....	16
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	5	.....	.....	7
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS		359	2,327	2,316	1,119	659	312	215	146	77	62	55	39	.....	7,679

Marriages by Denominations in the District of Algoma, 1918.

City of Sault Ste. Marie and Town of Steelton not included.

GROOMS.	BRIDES										TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.		Other Denominations.	Denomination not stated.
Anglican	10	3	2				1						16
Presbyterian.....	1	16	3		1								21
Methodist.....	3	3	11										17
Roman Catholic.....	4	1		61									66
Baptist			1		1								2
Congregationalist.....													
Lutheran							1						1
Evangelical Association..													
Hebrew													
Salvation Army.....													
Other Denominations....											3		3
Denomination not stated.													
TOTAL GROOMS.....	18	23	17	61	2		2				3		126

Licenses, 92.

Banns, 34.

Marriages by Ages in the District of Algoma, 1918.

GROOMS.

BRIDES.	GROOMS.													Total.		
	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 and over		Not stated	
15		4	25	22	2	1	1	1								56
20		3	12	17	7	3	3									45
25			2	4	2	2	1	1								12
30					3	1		1								5
35				1		1	1									3
40								1		1						2
45								1								1
50																
55										1						1
60										1						1
65																
70 & over																
Age not stated.																
TOTALS.		7	39	44	14	8	6	5		3						126

Marriages by Denominations in the County of Brant, 1918.

City of Brantford not included.

GROOMS.	BRIDES.											TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.	
Anglican	17	1	4	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	36
Presbyterian.....	.....	8	8	1	5	.....	.....	.....	.....	.....	.....	.....	.....	29
Methodist	1	.....	25	1	6	.....	.....	.....	.....	.....	.....	.....	.....	33
Roman Catholic .....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
Baptist	3	1	9	.....	17	2	.....	.....	.....	.....	.....	.....	.....	32
Congregationalist.....	.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
Lutheran.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Denomination not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	21	12	48	8	31	2	.....	.....	.....	.....	.....	.....	1	123

Licenses, 121.

Banns, 2.

Marriages by Ages in the County of Brant, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 and over	Not stated	Total.
	15	3	24	1
20	4	31	15	5	2	1	.....	.....	.....	.....	.....	.....	.....	.....	58
25	.....	5	8	1	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	16
30	.....	.....	.....	.....	2	2	1	1	.....	.....	.....	.....	.....	.....	6
35	.....	.....	1	1	1	1	.....	1	.....	.....	.....	.....	.....	.....	5
40	.....	.....	.....	.....	1	1	1	1	1	.....	.....	.....	.....	.....	5
45	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	2
50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
55	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	2
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	7	60	24	8	7	5	4	3	2	2	1	.....	.....	.....	123

Marriages by Denominations in the County of Bruce, 1918.

GROOMS.	BRUCE.											TOTAL BARRS.	
	Anglican.	Presbyterian.	Methodist	Roman Catholic.	Baptist.	Congregationalist	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated
Anglican	7	7	6	.....	1	.....	.....	.....	.....	.....	.....	.....	21
Presbyterian	11	77	11	1	5	.....	.....	.....	.....	.....	.....	1	106
Methodist.....	7	9	29	1	.....	.....	1	.....	.....	.....	3	.....	50
Roman Catholic .....	.....	1	2	21	.....	.....	.....	.....	.....	.....	.....	.....	27
Baptist .....	.....	1	4	.....	.....	.....	.....	1	.....	.....	.....	.....	6
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	2	.....	.....	.....	.....	4	.....	.....	.....	.....	.....	6
Evangelical Association..	.....	1	1	.....	.....	.....	.....	2	.....	.....	.....	.....	4
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Denomination not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS.....	25	99	53	26	6	.....	5	3	.....	.....	3	1	221

Licenses, 198.

Banns, 23.

Marriages by Ages in the County of Bruce, 1918.

GROOMS.

BRIDES.	AGE.	GROOMS.											70 and over	Not stated	TOTAL.	
		15	20	25	30	35	40	45	50	55	60	65				
	15	2	13	8	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
	20	2	35	38	9	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	66
	25	.....	4	28	14	6	4	.....	1	.....	.....	.....	.....	.....	.....	57
	30	.....	.....	7	3	5	1	.....	1	.....	.....	.....	.....	.....	.....	17
	35	.....	.....	.....	1	6	5	1	1	2	1	.....	.....	.....	.....	17
	40	.....	.....	.....	.....	.....	2	2	.....	1	.....	.....	.....	.....	.....	5
	45	.....	.....	.....	.....	.....	.....	1	.....	2	.....	.....	.....	.....	.....	3
	50	.....	.....	.....	.....	.....	.....	.....	1	2	1	.....	.....	.....	.....	6
	55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	TOTALS.	4	52	81	31	20	12	4	4	7	2	2	2	.....	.....	221

Marriages by Denominations in the County of Carleton, 1918.

City of Ottawa not included.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	15	4	5	1	1	1							27
Presbyterian.....	3	26	8										37
Methodist	2	9	17	1	1								30
Roman Catholic	3	1		40									44
Baptist	1	1			1	1							4
Congregationalist.....													
Lutheran	1												1
Evangelical Association..													
Hebrew													
Salvation Army.....			1										1
Other Denominations	1	2	1								2		6
Denomination not stated..													
TOTAL GROOMS.....	26	43	32	42	3	2					2		150

Licenses, 123.

Banns, 27.

Marriages by Ages in the County of Carleton, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 and over	Not stated	TOTAL.
	15	3	10	1		2		1							
20	2	24	31	16	3	1									77
25		6	17	4	4	2	2					1			36
30			1	2	1	3	2								9
35				1	3	1	2	1							8
40									2						2
45															
50															
55									1						1
60															
65															
70 & over															
Age not stated.															
TOTALS.	5	41	52	24	13	7	4	3				1			150

Marriages by Denominations in the County of Dufferin, 1918.

GROOMS.	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.	TOTAL BRIDES.
Anglican	6	5	3										14
Presbyterian	4	21	1		2								31
Methodist	4	8	19								2		33
Roman Catholic.....			1	2									3
Baptist		1	1										2
Congregationalist			1			1							2
Lutheran.....													
Evangelical Association.....													
Hebrew													
Salvation Army.....													
Other Denominations.....											1		1
Denomination not stated.....													
TOTAL GROOMS	14	35	29	2	2	1					3		86

Licenses, 85.

Banns, 1.

Marriages by Ages in the County of Dufferin, 1918.

GROOMS.

BRIDES.	Age.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	1	2	3											
20	1	12	14	3	1	1									32
25		2	10	6	6	1									25
30			2	5	5		2								14
35			1	1			1								3
40				1							1				2
45									1	1					2
50											1				1
55												1			1
60															
65															
70 & over															
Age not stated															
TOTALS	2	16	30	16	12	2	3	1	1	2	1				86

Marriages by Denominations in the County of Elgin, 1918.

City of St. Thomas not included.

GROOMS.	BRIDES.	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.	TOTAL BRIDES.
Anglican			4	1		2						1		5
Presbyterian		2	25	3		2	1							33
Methodist		2	5	45		7					1	1		61
Roman Catholic					3									3
Baptist				8		21						1		30
Congregationalist			1											1
Lutheran						1								1
Evangelical Association			1									1		2
Hebrew														
Salvation Army														
Other Denominations			2			2			1					5
Denomination not stated														
TOTAL GROOMS.....		4	38	57	3	35	1		1		1	4		144

Licenses, 142.

Banns, 2.

Marriages by Ages in the County of Elgin, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	12	13	9	1		1								
20	3	24	19	4	4	1									55
25		3	15	7	2	2		1							30
30						4	3	1							8
35					1		1	2							4
40						1		2							3
45								3							3
50										1					2
55													1		
60									1		1				2
65													1		1
70 & over															
Age not stated.															
TOTALS	15	40	43	13	11	8	8	8	2	1	1	1	1		144

Marriages by Denominations in the County of Essex, 1918.

City of Windsor and Town of Walkerville not included.

GROOMS.	BRIDES.	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.	TOTAL BRIDES.
Anglican	24	3	12	3	2	.....	.....	.....	.....	.....	.....	.....	.....	44
Presbyterian	1	10	5	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	19
Methodist.....	3	6	81	2	2	.....	.....	.....	.....	1	.....	2	.....	97
Roman Catholic.....	9	1	5	109	.....	.....	.....	.....	.....	.....	.....	.....	.....	124
Baptist	2	1	2	1	14	.....	.....	.....	.....	.....	.....	.....	.....	20
Congregationalist.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Lutheran .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	2
Other Denominations..	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	3
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS.....	41	21	106	115	21	.....	.....	.....	.....	1	2	4	.....	311

Licenses, 221.

Banns, 90.

Marriages by Ages in the County of Essex, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	25	56	22	5	1
20	6	58	34	10	3	.....	1	.....	.....	.....	.....	.....	.....	.....	112
25	.....	7	18	6	4	2	1	.....	.....	.....	.....	.....	.....	.....	38
30	.....	.....	5	7	6	2	1	.....	.....	.....	.....	.....	.....	.....	21
35	.....	.....	2	1	3	1	.....	2	1	1	.....	.....	.....	.....	11
40	.....	.....	1	.....	2	.....	4	.....	.....	.....	.....	.....	.....	.....	7
45	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....	.....	.....	.....	3
50	.....	.....	.....	.....	.....	.....	.....	1	3	.....	.....	.....	.....	.....	4
55	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	3
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	2
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.	31	121	82	29	19	6	9	7	1	2	2	2	.....	.....	311

Marriages by Denominations in the County of Frontenac, 1918.

City of Kingston not included.

GROOMS.	BRIDES.											TOTAL BRIDES.			
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.		
Anglican	8	2	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	17
Presbyterian	3	4	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
Methodist.....	5	3	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51
Roman Catholic .....	.....	.....	1	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
Baptist	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Other Denominations..	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	17	9	53	12	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	93

Licenses, 83.

Banns, 10.

Marriages by Ages in the County of Frontenac, 1918.

GROOMS.

BRIDES	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	4	16	10	1
20	1	14	15	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	35
25	.....	3	10	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
30	.....	.....	1	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	4
35	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
40	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	2
45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
50	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.	5	33	36	7	8	2	1	.....	.....	1	.....	.....	.....	.....	93

Marriages by Denominations in the County of Grey, 1918.

Town of Owen Sound not included.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	10	7	5		1								28
Presbyterian	9	68	11		6						2		96
Methodist.....	5	16	56		3		2				1	1	84
Roman Catholic				13									13
Baptist	2	3	2	1	3							1	12
Congregationalist													
Lutheran		2	1		1		16						20
Evangelical Association			1					1					2
Hebrew													
Salvation Army.....													
Other Denominations..		3	2		1							7	12
Denomination not stated													
TOTAL GROOMS.....	26	98	81	14	15		18	1			13	1	267

Licenses, 261

Banns, 6.

Marriages by Ages in the County of Grey, 1918.

GROOMS.

BRIDES.	GROOMS.													TOTAL.	
	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over		Not stated
15			23	19	3	1									46
20	4	39	52	13	6	1	1								116
25		6	20	18	12	1	1								58
30		1	3	3	3	1	2		1						17
35				1	2	3	3	3							12
40					1		1	2		1					5
45				1				2	1	1	1				6
50															
55										1	1				2
60											3	1			4
65															
70 & over													1		1
Age not stated															
TOTALS.	4	69	94	39	25	9	8	7	2	3	5	2			267

Marriages by Denominations in the County of Haldimand, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	8	5	8								2		23
Presbyterian	2	1	3	1	1								11
Methodist	8	10	32		1	1	2	2			2		58
Roman Catholic.....				2									2
Baptist.....	1	1	3		6	1	2						14
Congregationalist													
Lutheran		1	1				6						8
Evangelical Association			1					3					4
Hebrew													
Salvation Army.....													
Other Denominations					2		1				5		8
Denomination not stated													
TOTAL GROOMS	19	21	48	3	10	2	11	5			9		128

Licenses, 126.

Banns, 2.

Marriages by Ages in the County of Haldimand, 1918.

GROOMS

BRIDES.	GROOMS													TOTAL	
	Age.	15	20	25	30	35	40	45	50	55	60	65	70 & over		Not stated
15	4	12	11	4											31
20	3	24	24	5	2	1	1								60
25	2	2	9	5	2	1									21
30		1	1	1	3										6
35				4		2		1							7
40						1									1
45															
50										1					1
55										1					1
60															
65															
70 & over															
Age not stated															
TOTALS	9	38	45	19	7	5	1	1		2					128

Marriages by Denominations in the County of Haliburton, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.		
	Anglican	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.	
Anglican	7	1		1										9
Presbyterian		4	2											6
Methodist	2	1	12											15
Roman Catholic														
Baptist					2									2
Congregationalist														
Lutheran														
Evangelical Association														
Hebrew														
Salvation Army														
Other Denominations														
Denomination not stated														
TOTAL GROOMS	9	6	14	1	2									32

Licenses, 32.

Banns.

Marriages by Ages in the County of Haliburton, 1918.

GROOMS.

AGE.	BRIDES.													TOTAL.	
	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated		
15	3	9	4	1											17
20		6	5												11
25				1	1										2
30															
35															
40								1							1
45															
50															
55															
60															
65															
70 & over										1					1
Age not stated															
TOTALS	3	15	9	2	1			1		1					32

Marriages by Denominations in the County of Halton, 1918.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican	25	4	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	33
Presbyterian	4	16	3	1	2	.....	.....	.....	.....	.....	.....	.....	.....	36
Methodist	3	8	24	1	1	.....	.....	.....	.....	.....	.....	.....	.....	37
Roman Catholic .....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Baptist	1	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	4
Congregationalist .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
Denomination not stated .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	33	29	30	4	6	.....	.....	.....	.....	.....	.....	.....	.....	103

Licenses, 98.

Banns, 5.

Marriages by Ages in the County of Halton, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	1	9	3	1	1	1
20	2	7	19	6	3	2	.....	.....	.....	.....	.....	.....	.....	.....	39
25	.....	2	10	7	4	2	.....	.....	.....	.....	.....	.....	.....	.....	25
30	.....	1	2	4	3	.....	1	.....	.....	.....	.....	.....	.....	.....	11
35	.....	.....	1	.....	1	3	1	1	.....	.....	.....	.....	.....	.....	7
40	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	2
45	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	2
50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	3	19	35	18	13	7	3	2	.....	1	1	1	.....	.....	103

Marriages by Denominations in the County of Hastings, 1918.
 City of Belleville and Town of Trenton not included.

GROOMS.	BRIDES.										TOTAL BRIDES		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.		Other Denominations.	Denomination not stated.
Anglican.....	34	3	11	1									49
Presbyterian	7	19	6	1									38
Methodist	9	10	105								1		125
Roman Catholic	2			33									36
Baptist			2	1	2								5
Congregationalist													
Lutheran	1												1
Evangelical Association			2					1					3
Hebrew													
Salvation Army.....													
Other Denominations.....			1								2		3
Denomination not stated													
TOTAL GROOMS	53	32	127	39	2			1			3		257

Licenses, 225.

Banns, 32.

Marriages by Ages in the County of Hastings, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	6	30	21	7	1	1								
20	4	39	39	18	4	2	1	1							108
25		4	18	16	1	1	1	2							43
30		1	4	6	4	3	1								22
35				1	1	4	2								8
40					2			1	1	1	1				6
45								1							1
50									1						1
55											2				2
60															
65															
70 & over															
Age not stated.															
TOTALS	10	77	82	48	13	11	7	5	1	3					257

Mariages by Denominations in the County of Huron, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	9	8	3	2	1	1	1						24
Presbyterian	7	81	20			1							118
Methodist.....	5	22	78		3		3						111
Roman Catholic				20			1						21
Baptist		1	2										3
Congregationalist.....													
Lutheran		1					6						7
Evangelical Association			2					7					9
Hebrew													
Salvation Army.....													
Other Denominations..			1								2		3
Denomination not stated													
TOTAL GROOMS.....	21	113	115	22	4	1	11	7			2		296

Licenses, 277.

Banns, 19.

Mariages by Ages in the County of Huron, 1918.

GROOMS.

BRIDES	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	No stated	TOTAL.
	15			27	8	5	2	1	1						
20			41	63	13	3	1								121
25			13	23	17	6	2	1							62
30			2	4	9	11	4	1							34
35					1	4	2	5	2						14
40						1	1		2	2	1				7
45					1	1		2	2	1					7
50										1	1				2
55										1	1	1			3
60							1								1
65												1			1
70 & over															
Age not stated.															
TOTALS.		83	98	46	28	12	13	6	5	3	2				296

Marriages by Denominations in the County of Kent, 1918.

City of Chatham not included.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	9	5	13	1	1	.....	.....	.....	.....	.....	.....	.....	29
Presbyterian	4	30	14	.....	3	.....	.....	.....	.....	.....	3	.....	54
Methodist	5	10	76	1	4	.....	.....	.....	.....	.....	2	.....	98
Roman Catholic .....	.....	2	1	39	1	.....	.....	.....	.....	.....	.....	.....	43
Baptist	1	1	6	1	14	.....	.....	.....	.....	.....	.....	.....	23
Congregationalist .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations..	1	.....	.....	.....	1	.....	.....	.....	.....	.....	2	.....	4
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	20	48	110	42	24	.....	.....	.....	.....	.....	7	.....	251

Licenses, 211.

Banns, 40.

Marriages by Ages in the County of Kent, 1918.

GROOMS.

BRIDES.	GROOMS.												TOTAL.		
	AGES.	15	20	25	30	35	40	45	50	55	60	65		70 & over	Not stated
15	6	41	16	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	66
20	4	60	31	9	4	2	.....	.....	.....	.....	.....	.....	.....	.....	110
25	.....	7	15	9	4	2	2	.....	.....	.....	.....	.....	.....	.....	39
30	.....	.....	1	3	4	3	3	2	.....	.....	.....	.....	.....	.....	16
35	.....	.....	.....	2	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
40	.....	.....	.....	.....	.....	2	3	.....	1	.....	.....	.....	.....	.....	6
45	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
50	.....	.....	.....	.....	.....	1	1	.....	1	.....	.....	.....	.....	.....	3
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	2
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.	10	108	63	26	16	10	9	3	2	1	.....	3	.....	251	

Marriages by Denominations in the County of Lambton, 1918.

City of Sarnia not included.

GROOMS.	BRIDES.										TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.		Other Denominations.	Denomination not stated.
Anglican	15	7	8	.....	2	.....	.....	.....	.....	.....	.....	.....	32
Presbyterian.....	3	32	12	.....	2	1	.....	.....	.....	.....	.....	.....	50
Methodist	3	14	60	.....	5	.....	.....	.....	.....	.....	2	.....	84
Roman Catholic .....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	6
Baptist	1	2	4	.....	7	.....	.....	.....	.....	.....	.....	.....	17
Congregationalist.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Lutheran .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Denomination not stated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	26	58	85	6	16	1	.....	.....	.....	.....	2	.....	192

Licenses, 185.

Banns, 7.

Marriages by Ages in the County of Lambton, 1918.

GROOMS.

BRIDE'S	GROOMS.													TOTAL	
	Age.	15	20	25	30	35	40	45	50	55	60	65	70 & over.		Not stated
15	4	27	12	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	46
20	3	30	22	7	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	66
25	.....	5	15	7	3	.....	4	.....	.....	.....	.....	.....	.....	.....	34
30	.....	.....	2	7	7	2	1	.....	.....	.....	.....	.....	.....	.....	19
35	.....	.....	.....	2	2	5	.....	1	.....	.....	.....	.....	.....	.....	10
40	.....	.....	.....	.....	1	3	2	1	1	1	.....	.....	.....	.....	9
45	.....	.....	.....	.....	.....	.....	1	.....	2	.....	.....	.....	.....	.....	3
50	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	2
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	2
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	7	62	51	21	18	11	8	2	4	2	.....	.....	3	.....	192

Marriages by Denominations in the County of Lanark, 1918.

Town of Smith's Falls not included.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	30	1	4	.....	4	.....	.....	.....	.....	.....	.....	.....	29
Presbyterian	10	26	11	1	3	2	.....	.....	.....	.....	.....	.....	53
Methodist.....	5	5	18	.....	.....	.....	.....	.....	.....	.....	1	.....	29
Roman Catholic.....	.....	1	.....	26	.....	.....	.....	.....	.....	.....	.....	.....	27
Baptist	2	2	2	.....	2	.....	.....	.....	.....	.....	.....	.....	8
Congregationalist .....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Lutheran .....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Evangelical Association .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations..	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	2
Denomination not stated .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	47	36	37	27	9	2	1	.....	.....	.....	2	.....	161

Licenses, 135.

Banns, 26.

Marriages by Ages in the County of Lanark, 1918.

GROOMS.

AGES.	BRIDES.												TOTALS.	
	15	20	25	30	35	40	45	50	55	60	65	70 & over.		Not stated
15	4	11	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	24
20	2	22	22	9	3	.....	.....	.....	.....	.....	.....	.....	.....	58
25	.....	8	17	11	6	2	3	1	.....	.....	.....	.....	.....	48
30	.....	.....	3	6	5	2	.....	.....	.....	.....	.....	.....	.....	16
35	.....	.....	2	.....	2	2	2	.....	.....	.....	.....	.....	.....	8
40	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	2
45	.....	.....	.....	.....	.....	.....	1	1	.....	.....	1	.....	.....	3
50	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.	6	44	48	28	17	7	6	2	.....	2	1	.....	.....	161

Marriages by Denominations in the Counties of Leeds and Grenville, 1918.

Town of Brockville not included.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican	19	8	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	44
Presbyterian	10	20	9	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	40
Methodist	13	22	75	.....	4	.....	1	.....	.....	.....	1	.....	.....	116
Roman Catholic	4	1	.....	21	1	.....	.....	.....	.....	.....	.....	.....	.....	27
Baptist .....	.....	.....	3	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	4
Congregationalist .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	4
Denomination not stated .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	46	51	104	22	6	.....	1	.....	.....	.....	5	.....	.....	235

Licenses, 217.

Banns, 18.

Marriages by Ages in the Counties of Leeds and Grenville, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	10	36	7	1	1	1
20	5	44	25	16	7	2	.....	2	.....	.....	.....	.....	.....	.....	101
25	.....	4	19	8	5	1	.....	.....	.....	.....	.....	.....	.....	.....	37
30	.....	.....	4	9	2	3	2	1	1	.....	.....	.....	.....	.....	22
35	.....	.....	.....	1	1	1	1	2	.....	1	.....	.....	.....	.....	7
40	.....	.....	.....	.....	.....	1	2	.....	1	1	.....	.....	.....	.....	5
45	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
50	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	1	.....	.....	.....	3
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.	15	84	55	35	16	9	6	7	2	3	1	2	.....	.....	235

Marriages by Denominations in the County of Lincoln, 1918.

City of St. Catharines not included.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	other Denominations.		Denomination not stated.
Anglican	26	2	4	3									35
Presbyterian	6	23	5	2									36
Methodist	5	3	28	1	3						1		41
Roman Catholic	1		1	17							1		20
Baptist	1		1										2
Congregationalist		1											1
Lutheran													
Evangelical Association							2						2
Hebrew													
Salvation Army													
Other Denominations		1			1						1		3
Denomination not stated												1	1
TOTAL GROOMS	31	30	39	23	4		2				3	1	141

Licenses, 132.

Banns, 9.

Marriages by Ages in the County of Lincoln, 1918.

GROOMS.

BRIDES.	AGE.	GROOMS.											Not stated.	TOTAL.	
		15	20	25	30	35	40	45	50	55	60	65			70 & over
	15	3	19	5	4										31
	20	6	39	12	7	1									56
	25		2	16	6	3	1								28
	30			3	5	1	1	1	1						12
	35					4	1		1	1			1		8
	40						1								1
	45							1							1
	50									1			1		2
	55									1					1
	60										1				1
	65														
	70 & over														
	Age not stated.														
	TOTALS.	9	51	36	22	9	5	1	2	3	1		2		141

Marriages by Denominations in the District of Manitoulin, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.				
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.			
Anglican	4															4
Presbyterian	2	14	4	1												21
Methodist.....	1	2	5													8
Roman Catholic.....	2			13												15
Baptist																
Congregationalist.....																
Lutheran																
Evangelical Association.....																
Hebrew																
Salvation Army.....																
Other Denominations ..	1	1											2			4
Denomination not stated.....																
TOTAL GROOMS.....	10	17	9	14									2			52

Licenses, 43.

Banns, 9.

Marriages by Ages in the District of Manitoulin, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	2	12	6											
20		11	3	2	3										19
25		1		1	1	1									4
30					2		1	1							4
35						1		1							2
40															
45															
50									1						1
55															
60															
65													1		1
70 & over											1				1
Age not stated.															
TOTALS.	2	24	9	5	5	2	2	1			1		1		52

Marriages by Denominations in the County of Middlesex, 1918.

City of London not included.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican.....	11	4	3	.....	1	1	.....	.....	.....	.....	.....	.....	.....	36
Presbyterian.....	9	52	12	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	77
Methodist.....	12	5	60	.....	4	.....	.....	1	.....	1	.....	.....	.....	87
Roman Catholic.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Baptist.....	1	2	2	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	9
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Other Denominations.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	2
Denomination not stated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS.....	33	67	83	3	13	1	.....	1	.....	2	2	.....	.....	205

Licenses, 201.

Banns, 4.

Marriages by Ages in the County of Middlesex, 1918.

GROOMS

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	2	9	8	3	3
20	41	27	11	4	1	.....	.....	.....	.....	.....	.....	.....	.....	84
25	7	25	15	4	2	1	.....	.....	.....	.....	.....	.....	.....	54
30	5	4	3	4	3	1	.....	1	1	.....	.....	.....	22
35	4	1	3	1	.....	.....	.....	.....	.....	.....	.....	9
40	1	1	.....	.....	1	1	1	.....	.....	.....	.....	5
45	1	2	.....	.....	.....	.....	.....	3
50	1	.....	.....	.....	.....	1
55	1	.....	1	.....	.....	2
60
65
70 & over
Age not stated.
TOTALS	2	57	65	38	16	10	6	4	3	2	2	.....	.....	.....	205

Marriages by Denominations in the District of Muskoka, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican.....	9	4	6				2						21
Presbyterian	7	21	8								1		37
Methodist.....	2	3	15	2									22
Roman Catholic.....	1		1	6									8
Baptist.....		1			5						1		7
Congregationalist													
Lutheran													
Evangelical Association									1				1
Hebrew.....													
Salvation Army.....													
Other Denominations..		1											1
Denomination not stated													
TOTAL GROOMS	19	30	30	8	5		2			1	2		97

Licenses, 92.

Banns, 5.

Marriages by Ages in the District of Muskoka, 1918.

GROOMS.

BRIDES.	GROOMS.												Not stated.	TOTAL.	
	AGE.	15	20	25	30	35	40	45	50	55	60	65			70 & ov'r
15		8	5	5	2										20
20	1	18	11	7	5	1									43
25		4	5	5	2	1		1							18
30				1		2									3
35				2	1				1						4
40						1		1	1			1			4
45									1						1
50								1							1
55							1			1	1				3
60															
65															
70 & over															
Age not stated.															
TOTALS.	1	30	21	20	10	5	1	3	3	1	1	1		97	

Marriages by Denominations in the County of Norfolk, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.			
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.		
Anglican.....	9	1	1	1	3										14
Presbyterian.....	1	10	4												18
Methodist.....	3	5	41		6		2								57
Roman Catholic.....			1	5											6
Baptist.....	2	1	3	1	21	1									29
Congregationalist.....															
Lutheran.....			1				3								4
Evangelical Association.....															
Hebrew.....															
Salvation Army.....															
Other Denominations.....															
Denomination not stated.....															
TOTAL GROOMS.....	18	17	51	7	29	1	5								128

Licenses, 119.

Banns, 9.

Marriages by Ages in the County of Norfolk, 1918.

GROOMS.

BRIDES.	GROOMS.											TOTAL.			
	AGE.	15	20	25	30	35	40	45	50	55	60		65	70 & over	Not stated
15	7	24	5	3	1										40
20	3	24	15	6	1										49
25		3	6	3	2	1	1								16
30			2	2	2	3	1								10
35				1		1	1								3
40							1	1	1						3
45							1		1						2
50								1	2						3
55									1		1				2
60															
65															
70 & over															
Age not stated.															
TOTALS	10	51	28	15	6	7	5	4	1	1					128

Marriages by Denominations in the Counties of Northumberland and Durham, 1918.

Includes Cobourg and Port Hope.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist	Congregationalist	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican.....	14	3	12	1	1	.....	.....	.....	.....	.....	.....	.....	.....	31
Presbyterian	5	28	16	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	50
Methodist.....	11	20	131	4	3	1	2	.....	.....	.....	1	.....	.....	183
Roman Catholic.....	1	.....	.....	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
Baptist.....	4	4	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
Congregationalist .....	.....	2	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
Lutheran.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	2
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	35	67	168	23	4	1	2	.....	.....	.....	4	.....	.....	304

Licenses, 292.

Banns, 12.

Marriages by Ages in the Counties of Northumberland and Durham, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	8	25	19	2	1
20	4	56	19	13	3	3	.....	.....	.....	.....	.....	.....	.....	.....	128
25	.....	8	32	12	8	2	1	1	.....	.....	.....	.....	.....	.....	64
30	.....	.....	7	9	5	1	2	1	.....	.....	.....	.....	.....	.....	25
35	.....	.....	.....	2	3	6	2	2	1	.....	.....	.....	.....	.....	16
40	.....	1	.....	.....	.....	.....	1	1	3	.....	.....	.....	.....	.....	6
45	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	5
50	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	2
55	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	1	.....	.....	3
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.	12	90	107	38	20	13	11	8	3	.....	.....	2	.....	.....	304

Marriages by Denominations in the County of Ontario, 1918.

GROOMS.	BRIDES.												TOTAL BRIDES.
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.	
Anglican	8	5	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
Presbyterian	10	34	10	.....	.....	.....	.....	.....	.....	.....	1	.....	55
Methodist.....	3	6	64	.....	2	.....	.....	.....	.....	.....	.....	.....	75
Roman Catholic .....	.....	.....	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	7
Baptist .....	.....	2	4	.....	1	.....	.....	.....	.....	.....	.....	.....	7
Congregationalist .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations..	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	2
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	21	47	84	7	3	1	.....	.....	.....	1	1	.....	165

Licenses, 158.

Banns, 7.

Marriages by Ages in the County of Ontario, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	5	15	8	2	1
20	1	25	21	12	7	1	1	1	.....	.....	.....	.....	.....	.....	69
25	.....	1	18	6	5	5	2	.....	.....	.....	.....	.....	.....	.....	37
30	.....	.....	.....	2	3	1	1	.....	.....	.....	.....	.....	.....	.....	7
35	.....	.....	.....	2	2	2	4	1	1	.....	.....	.....	.....	.....	12
40	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	2
45	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
50	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	2	.....	.....	3
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	3
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.	6	41	47	24	18	10	9	3	2	.....	5	.....	.....	.....	165

Marriages by Denominations in the County of Oxford, 1918.

City of Woodstock and Town of Ingersoll not included.

GROOMS.	BRIDES.											TOTAL BRIDES.			
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.		
Anglican	5	1	4		1										11
Presbyterian		23	9	1	1	1	2								40
Methodist	4	15	37	1	5	1									63
Roman Catholic				2											2
Baptist			14		16										30
Congregationalist.....															
Lutheran							5	1							6
Evangelical Association		1	1				1	1							4
Hebrew															
Salvation Army.....															
Other Denominations..												9			9
Denomination not stated.....															
TOTAL GROOMS.....	9	40	65	1	26	2	8	2				9			165

Licenses, 154.

Banns, 11.

Marriages by Ages in the County of Oxford, 1918.

GROOMS.

BRIDES.	GROOMS.												Not stated.	TOTAL		
	AGE.	15	20	25	30	35	40	45	50	55	60	65			70 & over	
15	6	16	7	3	2	1										35
20	3	34	19	9	6											71
25		1	15	12	5		1									34
30			1	3	3	1	2				1					11
35					2		1			1	1	1				6
40								2								2
45								1	1							2
50																
55								1								1
60										1			1			2
65												1				1
70 & over																
Age not stated.																
TOTALS	9	51	42	27	18	2	4	4	3	2	2	1				165

Marriages by Denominations in the District of Parry Sound, 1918.

Town of Parry Sound not included.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	8	3	5					1			1		18
Presbyterian	3	17	2										22
Methodist.....	2	5	30	2	2		1						42
Roman Catholic			1	22									23
Baptist			1										1
Congregationalist.....													
Lutheran													
Evangelical Association													
Hebrew													
Salvation Army.....													
Other Denominations.....			1										1
Denomination not stated.....													
TOTAL GROOMS.....	13	25	40	24	2		1	1			1		107

Licenses, 88.

Banns, 19.

Marriages by Ages in the District of Parry Sound, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	3	9	9	8	1	1	1							
20	1	18	16	7	2	1	1								46
25		2	3	6	4	2									17
30			1	2	2	1	1								7
35							1								1
40							1					1			2
45							1								1
50											1				1
55															
60															
65															
70 & over															
Age not stated.															
TOTALS	4	29	29	23	9	8	3				1	1			107

Marriages by Denominations in the County of Peel, 1918.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican	12	1	1											14
Presbyterian	4	14	4	1										23
Methodist.....	2	7	31		1		1				1			43
Roman Catholic.....				5										5
Baptist	2	1			5									8
Congregationalist.....														
Lutheran														
Evangelical Association														
Hebrew.....														
Salvation Army.....														
Other Denominations..														
Denomination not stated														
TOTAL GROOMS	20	23	36	6	6		1					1		93

Licenses, 87.

Banns, 6.

Marriages by Ages in the County of Peel, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	3	2	2	1										
20		12	13	7	2			1							35
25		3	14	5	5										27
30			2	2	5	2		1							12
35					1			2							3
40				1	1			1		1	1				5
45							1	1							2
50															
55															
60															
65											1				1
70 & over															
Age not stated.															
TOTALS.	3	17	31	16	14	3	3	3	1	2					93

Marriages by Denominations in the County of Perth, 1918.

City of Stratford not included.

GROOMS.	BRIDES.										TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.		Other Denominations.	Denomination not stated.
Anglican	6	5	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
Presbyterian.....	2	28	10	.....	.....	.....	1	2	.....	.....	1	.....	44
Methodist.....	3	10	49	.....	2	.....	2	.....	.....	.....	1	.....	67
Roman Catholic.....	.....	.....	.....	18	.....	.....	1	.....	.....	.....	.....	.....	19
Baptist .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oongregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	1	3	1	.....	.....	12	.....	.....	.....	.....	.....	17
Evangelical Association.....	.....	1	1	.....	.....	.....	1	7	.....	.....	.....	.....	10
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Other Denominations..	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	5	.....	6
Denomination not stated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	11	45	72	19	2	.....	17	9	.....	.....	7	.....	182

Licenses, 160.

Banns, 22.

Marriages by Ages in the County of Perth, 1918.

GROOMS.

BRIDES.	Age.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	1	11	9	1	1
20	1	33	35	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	77
25	.....	7	22	13	9	2	.....	.....	.....	.....	.....	.....	.....	.....	53
30	.....	1	2	4	3	2	.....	1	.....	.....	.....	.....	.....	.....	13
35	.....	.....	.....	.....	1	2	1	.....	.....	.....	.....	.....	.....	.....	4
40	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	2
45	.....	.....	.....	.....	1	.....	.....	3	.....	.....	.....	.....	.....	.....	4
50	.....	.....	.....	.....	.....	1	.....	1	.....	1	.....	.....	.....	.....	3
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	.....	.....	.....	3
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.	2	52	68	25	15	9	2	5	.....	3	1	.....	.....	.....	182

Marriages by Denominations in the Counties of Prescott and Russell, 1918.

GROOMS.	BRIDES.										TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.		Other Denominations.	Denomination not stated.
Anglican	6												6
Presbyterian	1	16	4		2								23
Methodist.....	1	2	6										9
Roman Catholic	1			236			1						238
Baptist.....	1	2	1		5								9
Congregationalist.....													
Lutheran													
Evangelical Association													
Hebrew													
Salvation Army.....													
Other Denominations..													
Denomination not stated													
TOTAL GROOMS.....	10	20	11	236	7		1						285

Licenses, 153.

Banns, 132.

Marriages by Ages in the Counties of Prescott and Russell, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	14	36	27	1	2									
20	4	69	38	11											122
25		4	21	10	7						1				43
30		1	1	7	5	2				1					17
35				1	2	4	2								9
40		1					1								2
45								2	2			2			6
50							1			1					2
55										1	1				2
60												2			2
65													1	1	2
70 & over															
Age not stated.															
TOTALS	18	109	87	30	16	7	5	2	2	3	2	5	1	.....	285

Marriages by Denominations in the County of Prince Edward, 1918.

GROOMS.	BRIDES.													TOTAL BRIDES.
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican	8		6	1								1		16
Presbyterian	1	4	1											6
Methodist.....	7	1	49	1								2		63
Roman Catholic.....				1										1
Baptist			2											2
Congregationalist.....														
Lutheran														
Evangelical Association														
Hebrew														
Salvation Army.....														
Other Denominations..		1	2		1							2		6
Denomination not stated														
TOTAL GROOMS	16	9	60	3	1							5		94

Licenses, 93.

Banns, 1.

Marriages by Ages in the County of Prince Edward, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	8	13	10						1					
20	1	20	8	6	1	2									38
25		1	1	2	2										6
30				2	2										4
35					2	1									3
40			1				1								2
45							1						1		2
50										1	1				2
55															
60											2	1			3
65													2		2
70 & over															
Age not stated.															
TOTALS.	9	34	20	10	7	4	1	1	1	3	1	3			94

Marriages by Denominations in the District of Rainy River, 1918.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican.....	1	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
Presbyterian .....	.....	10	2	2	1	.....	2	.....	.....	.....	.....	.....	.....	17
Methodist.....	1	1	7	1	.....	.....	1	.....	.....	.....	.....	.....	.....	11
Roman Catholic.....	2	1	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
Baptist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Congregationalist .....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Lutheran.....	.....	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	.....	.....	10
Evangelical Association .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations..	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	2	.....	.....	3
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	4	14	11	11	1	.....	13	.....	.....	.....	2	.....	.....	56

Licenses, 48.

Banns, 8.

Marriages by Ages in the District of Rainy River, 1918.

GROOMS.

BRIDES.	GROOMS.												TOTAL.	
	AGE.	15	20	25	30	35	40	45	50	55	60	65 & over		Not stated
15	1	2	14	3	.....	.....	1	.....	.....	.....	.....	.....	.....	21
20	4	9	5	4	1	.....	.....	.....	.....	.....	.....	.....	23
25	3	1	.....	.....	1	.....	.....	.....	.....	.....	5
30	1	2	.....	.....	.....	.....	.....	.....	3
35	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	3
40
45	1	.....	.....	.....	.....	.....	1
50
55
60
65
70 & over
Age not stated.
TOTALS.	1	6	24	11	7	2	3	2	.....	.....	.....	.....	.....	56

Marriages by Denominations in the County of Renfrew, 1918.

Town of Pembroke not included.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican	8	4	2	3										17
Presbyterian	1	29	3				1							37
Methodist.....	3	7	14	1	1		1	1			1			29
Roman Catholic			3	70										73
Baptist	1	2	1		3									7
Congregationalist.....														
Lutheran				1			22							23
Evangelical Association			2	1	1		2	7						13
Hebrew														
Salvation Army.....														
Other Denominations..											2			2
Denomination not stat'd												1		1
TOTAL GROOMS	16	45	22	76	5		26	8			3	1		202

Licensee, 139.

Banns, 63.

Marriages by Ages in the County of Renfrew, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
		15	5	20	18	3	1								
	20	1	36	31	10	6	1								85
	25		5	16	15	7	1								44
	30			3	3	7	2	1							16
	35					3									3
	40						2			1					3
	45							1	1						2
	50										1				1
	55														
	60														
	65														
	70 & over														
	Age not stated.														
	TOTALS	6	61	65	31	24	6	2	1	1	1				202

Marriages by Denominations in the County of Simcoe, 1918.

Towns of Barrie, Collingwood, Midland and Orillia not included.

GROOMS.	BRIDES.										TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.		Other Denominations.	Denomination not stated.
Anglican	20	11	6	1	.....	.....	.....	.....	.....	.....	.....	.....	38
Presbyterian.....	17	40	13	.....	1	1	.....	.....	.....	.....	3	.....	75
Methodist.....	9	11	49	1	1	.....	.....	.....	.....	.....	2	.....	73
Roman Catholic	1	2	1	33	.....	.....	.....	.....	.....	.....	.....	.....	37
Baptist	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Congregationalist.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Lutheran .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
Other Denominations..	.....	.....	1	.....	1	.....	.....	.....	.....	.....	2	.....	4
Denomination not stat'd	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	48	66	71	35	3	1	.....	.....	.....	1	7	.....	232

Licenses, 201.

Banns, 31.

Marriages by Ages in the County of Simcoe, 1918.

GROOMS.

BRIDES.	GROOMS.											TOTAL			
	AGE.	15	20	25	30	35	40	45	50	55	60		65	70 & over	Not stated
15	4	19	19	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45
20	3	31	35	12	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	87
25	.....	7	28	5	8	.....	1	1	.....	.....	.....	.....	.....	.....	50
30	.....	1	5	9	7	2	1	1	.....	.....	.....	.....	.....	.....	26
35	.....	.....	.....	.....	4	.....	2	.....	1	.....	.....	.....	.....	.....	7
40	.....	.....	.....	.....	.....	2	2	2	2	.....	1	.....	.....	.....	9
45	.....	.....	.....	.....	.....	.....	2	1	.....	.....	.....	.....	.....	.....	3
50	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....	.....	.....	3
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	7	58	87	29	25	4	9	6	4	.....	2	1	.....	232	

Marriages by Denominations in the Counties of Stormont, Dundas and Glengarry, 1918.

Town of Cornwall not included.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican.....	6	4	6	1	.....	.....	2	.....	.....	.....	1	.....	20
Presbyterian.....	3	55	18	1	.....	.....	3	.....	.....	.....	.....	.....	80
Methodist.....	3	12	27	.....	.....	.....	2	.....	.....	.....	.....	.....	44
Roman Catholic.....	4	2	.....	70	.....	.....	.....	.....	.....	.....	.....	.....	85
Baptist.....	.....	1	3	.....	2	.....	.....	.....	.....	.....	.....	.....	6
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran.....	1	3	3	.....	.....	.....	4	.....	.....	.....	.....	.....	11
Evangelical Association.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations..	1	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	4
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS.....	18	79	57	81	2	.....	11	.....	.....	.....	2	.....	250

Licenses, 197.

Banns, 53.

Marriages by Ages in the Counties of Stormont, Dundas and Glengarry, 1918.

GROOMS.

BRIDES.	GROOMS.												TOTAL.		
	AGE.	15	20	25	30	35	40	45	50	55	60	65		70 & over	Not stated
15	10	24	13	4	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	53
20	2	42	42	12	5	4	.....	.....	.....	.....	.....	.....	.....	.....	107
25	1	3	19	12	8	2	.....	.....	1	.....	.....	.....	.....	.....	46
30	.....	.....	5	4	5	3	4	1	1	.....	.....	.....	.....	.....	23
35	.....	.....	.....	1	2	1	1	1	.....	.....	.....	.....	.....	.....	6
40	.....	.....	.....	.....	.....	.....	3	1	2	1	.....	.....	.....	.....	7
45	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
50	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	1	.....	.....	3
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	2
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	2
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.	13	69	79	33	22	13	7	4	6	1	2	1	.....	.....	250

Marriages by Denominations in the District of Sudbury, 1918.

Town of Sudbury not included.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	5	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	8
Presbyterian .....	.....	6	1	1	.....	.....	.....	.....	.....	.....	1	.....	9
Methodist.....	2	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
Roman Catholic.....	1	.....	1	30	.....	.....	.....	.....	.....	.....	1	.....	33
Baptist .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	.....	.....	.....	.....	.....	22	.....	.....	.....	.....	.....	22
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations..	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS.....	8	9	6	33	.....	.....	22	.....	.....	.....	2	.....	80

Licenses, 67.

Banns, 13.

Marriages by Ages in the District of Sudbury, 1918.

GROOMS.

BRIDES.	GROOMS.													TOTAL.	
	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over		Not stated
15	4	11	12	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31
20	7	9	3	1	.....	1	.....	.....	.....	.....	.....	.....	.....	21
25	4	5	4	5	.....	.....	.....	.....	.....	.....	1	.....	.....	19
30	1	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
35	2	.....	.....	.....	.....	.....	.....	2
40
45	1	.....	.....	.....	.....	.....	.....	.....	1
50
55
60
65	1	.....	.....	1
70 & over
Age not stated.
TOTALS.	4	25	27	10	8	.....	2	2	.....	.....	.....	2	.....	.....	80

Marriages by Denominations in the District of Thunder Bay, 1918.

Cities of Fort William and Port Arthur not included.

GROOMS.	BRIDES.											TOTAL BRIDES.			
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.		
Anglican	2		1												3
Presbyterian		5													5
Methodist.....			1												1
Roman Catholic				3											4
Baptist															
Congregationalist.....															
Lutheran							1								1
Evangelical Association															
Hebrew.....															
Salvation Army.....															
Other Denominations..															
Denomination not stated															
TOTAL GROOMS.....	2	5	3	3			1								14

Licenses, 12.

Banns, 2.

Marriages by Ages in the District of Thunder Bay, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15			2	1										
20	1	3	1				1								6
25						1									1
30		1													1
35															
40															
45						1									1
50												1			1
55							1								1
60															
65															
70 & over															
Age not stated															
TOTALS	1	6	2			2	2					1			14

Marriages by Denominations in the District of Timiskaming, 1918.

Town of Cobalt not included.

GROOMS.	BRIDES.										TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran	Evangelical Association.	Hebrew.	Salvation Army.		Other Denominations.	Denomination not stated.
Anglican	20	3	3	1			1						28
Presbyterian	2	25	4	2									33
Methodist	5	4	21	3	1								34
Roman Catholic	2	2		65			1						70
Baptist	1	3	2		5								11
Congregationalist													
Lutheran	1		1				28						30
Evangelical Association													
Hebrew													
Salvation Army		1	1										2
Other Denominations											1		4
Denomination not stated													
TOTAL GROOMS	31	38	32	71	6		30				4		212

Licenses, 178.

Banns, 31.

Marriages by Ages in the District of Timiskaming, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	7	26	18	5	3									
20	5	20	28	15	4	1	2								75
25		3	14	11	8	3	3								41
30		1	4	6	5		1								17
35			1		3	2	2	1							9
40							1	2						1	4
45							1		1						2
50								1	2	1					4
55									1						1
60															
65															
70 & over															
Age not stated.															
TOTALS	12	50	65	37	23	8	10	5	1				1		212

Marriages by Denominations in the County of Waterloo, 1918.

Cities of Galt and Kitchener not included.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican.....	10	4	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	16
Presbyterian	1	16	4	.....	.....	.....	1	.....	.....	.....	.....	1	.....	23
Methodist .....	.....	8	13	2	.....	.....	3	.....	.....	.....	.....	1	.....	27
Roman Catholic .....	.....	.....	.....	33	.....	.....	2	.....	.....	.....	.....	.....	.....	35
Baptist	1	.....	3	.....	6	.....	1	.....	.....	.....	.....	1	.....	12
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran	1	.....	5	2	.....	.....	37	2	.....	.....	.....	2	.....	49
Evangelical Association.....	.....	1	.....	.....	.....	.....	2	11	.....	.....	.....	.....	.....	14
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations..	.....	.....	3	.....	.....	.....	1	.....	.....	.....	.....	38	.....	42
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	13	29	29	37	6	.....	47	13	.....	.....	.....	44	.....	218

Licenses, 154.

Banns, 64.

Marriages by Ages in the County of Waterloo, 1918.

GROOMS.

BRIDES.	Age.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	5	21	7	2	2
20	1	32	44	16	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	96
25	.....	3	29	12	3	.....	2	.....	.....	.....	.....	.....	.....	.....	49
30	.....	.....	5	5	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
35	.....	.....	1	.....	6	1	1	1	.....	.....	.....	.....	.....	.....	10
40	.....	.....	.....	1	2	3	1	.....	.....	.....	1	.....	.....	.....	8
45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	6	46	86	36	23	4	4	1	.....	1	1	.....	.....	.....	218

Marriages by Denominations in the County of Welland, 1918.

Cities of Niagara Falls and Welland not included.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	18	5					1				1		25
Presbyterian	5	9	3				1				4		22
Methodist	7	2	22	1			2	1	1		5		41
Roman Catholic	1			18	1		1						21
Baptist	1		2	1	6						1		11
Congregationalist.....					1								1
Lutheran	2						8						10
Evangelical Association								1					1
Hebrew	1												1
Salvation Army.....													
Other Denominations..	1	1									9		11
Denomination not stated													
TOTAL GROOMS	36	17	27	20	8	13	2	1	20	1	20	1	144

Licenses, 133.

Banns, 11.

Marriages by Ages in the County of Welland, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	7	19	4	1										
20	5	26	19	7											57
25		5	8	3	3										19
30			1	4	2	2		1				1			11
35				1	2	4	2	1	1						11
40				2	1	2		1							6
45						1	1	1							3
50									2						2
55															
60												3			3
65									1						1
70 & over															
Age not stated.															
TOTALS	12	50	32	18	8	9	3	5	3	1	4	1	1	1	144

Marriages by Denominations in the County of Wellington, 1918.

City of Guelph not included.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican.....	9	7	3	1	1	.....	.....	1	.....	.....	.....	.....	22
Presbyterian.....	2	45	10	1	.....	1	.....	.....	.....	.....	1	.....	60
Methodist.....	3	18	35	1	1	1	.....	.....	.....	.....	1	.....	60
Roman Catholic.....	.....	.....	.....	15	.....	.....	.....	.....	.....	.....	.....	.....	15
Baptist.....	.....	4	2	.....	2	.....	.....	.....	.....	.....	.....	.....	8
Congregationalist.....	.....	.....	3	.....	.....	2	.....	.....	.....	.....	.....	.....	5
Lutheran.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	2
Evangelical Association.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations..	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	10	.....	12
Denomination not stated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS.....	14	76	53	18	4	4	2	1	1	.....	12	.....	185

Licenses, 168.

Banns, 17.

Marriages by Ages in the County of Wellington, 1918.

GROOMS.

BRIDES.	GROOMS.													TOTAL	
	Age.	15	20	25	30	35	40	45	50	55	60	65	70 & over		Not stated
15	1	12	10	5	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	30
20	1	32	33	10	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	82
25	.....	4	15	13	5	4	.....	.....	1	.....	.....	.....	.....	.....	42
30	.....	.....	4	5	1	.....	.....	.....	.....	1	.....	.....	.....	.....	11
35	.....	.....	1	2	1	4	2	.....	.....	.....	.....	.....	.....	.....	10
40	.....	.....	.....	.....	1	1	.....	2	.....	.....	.....	.....	.....	.....	4
45	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
50	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	2
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
65	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	2	48	63	35	16	9	4	4	1	3	.....	.....	.....	.....	185

Marriages by Denominations in the County of Wentworth, 1918.

City of Hamilton not included.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican.....	17	5	1	3	2						1		32
Presbyterian.....	1	10	3		2								16
Methodist.....	3	4	18		5						1		61
Roman Catholic.....	1			9									10
Baptist.....	2				7								9
Congregationalist.....													
Lutheran.....													
Evangelical Association.....													
Hebrew.....									1				1
Salvation Army.....													
Other Denominations..			1										1
Denomination not stated												1	1
TOTAL GROOMS.....	24	19	56	12	16				1		2	1	131

Licenses, 123.

Banns, 8.

Marriages by Ages in the County of Wentworth, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	6	7	6	2										
20	2	30	15	4	2	2									55
25		3	11	10	2										26
30		1		8	3	1	2								15
35				1	1	2	1	1							6
40				1		2	1	1							5
45											1				1
50											1		1		2
55															
60															
65															
70 & over															
Age not stated.															
TOTALS	8	11	32	25	8	7	4	2		2			1		131

Marriages by Denominations in the County of York, 1918.

City of Toronto not included.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	15	1	11	2	5						3		70
Presbyterian	10	10	16		1						1		68
Methodist	9	16	109	2	1	1	1			1	2		142
Roman Catholic	1	1	2	5									9
Baptist	3	2	2		6								13
Congregationalist													
Lutheran		1					1						2
Evangelical Association													
Hebrew									1				1
Salvation Army													
Other Denominations	2	1	4									17	24
Denomination not stated													
TOTAL GROOMS	70	65	144	9	13	1	2	1	1	1	23	329	

Licenses, 319.

Banns, 10.

Marriages by Ages in the County of York, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated.	TOTAL.
	15	8	24	14	3	2									
20	5	40	62	16	11	1					1				145
25	1	7	20	20	9	3	1	2							62
30		2	5	12	5	1		2				1			28
35				2	7	1	4	2							16
40							1	1	2			2			6
45					3	1	4	3	1	1	1				14
50									1	1					2
55										1	1				2
60													1		1
65															
70 & over													1		1
Age not stated.															
TOTALS	14	82	101	53	37	8	10	11	2	4	5	2	329		329

Marriages by Denominations in the Cities of Ontario, 1918.

GROOMS.	Brides.												TOTAL BRIDES.
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.	
Anglican	1,636	357	315	160	107	13	14	2	3	2	21	.....	2,630
Presbyterian	358	1,180	298	87	98	21	16	2	2	1	29	.....	2,093
Methodist	338	365	1,384	90	105	11	22	5	2	1	24	2	2,319
Roman Catholic	163	83	83	1,365	36	1	7	.....	1	.....	14	1	1,754
Baptist	117	104	119	29	271	5	10	.....	.....	2	9	1	667
Congregationalist.....	11	14	14	2	6	24	1	2	.....	.....	2	.....	76
Lutheran	7	10	22	10	6	1	176	1	.....	1	2	.....	236
Evangelical Association	.....	1	6	.....	2	.....	.....	11	.....	.....	.....	.....	23
Hebrew .....	.....	3	2	1	.....	.....	.....	.....	308	.....	.....	.....	314
Salvation Army.....	7	4	7	.....	.....	.....	1	.....	.....	50	1	.....	50
Other Denominations..	18	21	17	10	12	2	2	3	.....	.....	201	.....	286
Denomination not stated	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	4	5
TOTAL GROOMS	2,655	2,142	2,368	1,754	644	78	219	29	316	37	303	8	10,483

Licenses, 9,476.

Banns, 1,007.

Marriages by Ages in the Cities of Ontario, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	321	1,037	407	84	30	9	8	3
20	138	1,758	1,418	471	150	50	15	3	1	.....	.....	.....	.....	.....	4,044
25	5	226	923	517	332	110	39	12	6	2	.....	.....	2	.....	2,174
30	2	32	155	309	290	135	49	18	9	1	.....	.....	1	.....	1,001
35	.....	2	22	72	214	141	92	47	21	9	2	.....	.....	.....	625
40	.....	1	8	17	57	88	79	37	22	11	10	2	.....	.....	332
45	.....	.....	2	3	6	29	67	41	21	17	6	3	.....	.....	195
50	.....	.....	.....	.....	2	2	12	27	28	19	5	4	.....	.....	99
55	.....	.....	.....	.....	1	.....	2	10	24	15	13	4	.....	.....	65
60	.....	.....	.....	.....	1	.....	.....	1	5	12	1	5	.....	.....	25
65	.....	.....	.....	.....	.....	.....	1	1	1	1	4	6	.....	.....	14
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	4	.....	6
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	466	3,056	2,935	1,473	1,123	564	364	200	142	88	41	31	.....	.....	10,483

Marriages by Denominations in the City of Belleville, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.			
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.		
Anglican	19	3	6	3											31
Presbyterian	1	8	1												10
Methodist.....	7	4	41	3											58
Roman Catholic	2	1	3	11											17
Baptist			1	1	1										3
Congregationalist.....															
Lutheran.....															
Evangelical Association															
Hebrew									1						1
Salvation Army.....															
Other Denominations..															
Denomination not stated															
TOTAL GROOMS	29	16	55	18	1					1					120

Licenses, 107.

Banns, 13.

Marriages by Ages in the City of Belleville, 1918.

GROOMS.

BRIDES.	Age.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	2	13	3					1	1					
20	2	25	14	4	2	1									48
25	1	1	5	4	3	2	1								17
30			1	3	2	2		4							12
35						4	3	2			1				10
40					1	1	1								3
45						1	2								3
50									1	1					2
55										2			1		3
60										1				1	2
65														1	1
70 & over															
Age not stated.															
TOTALS	5	40	25	11	13	9	8	1	4	1	1		2		120

Marriages by Denominations in the City of Brantford, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican.....	33	6	8	2	4								53
Presbyterian.....	6	21	5	1	1	1							35
Methodist.....	4	9	43		9	1					1		67
Roman Catholic.....	2	2	1	13	2								20
Baptist.....	3	2	12	3	25	1							46
Congregationalist.....			2			1							3
Lutheran.....													
Evangelical Association.....													
Hebrew.....									2				2
Salvation Army.....										1			1
Other Denominations..		1			1						4		6
Denomination not stated													
TOTAL GROOMS.....	48	41	71	19	42	4			2	1	5		233

Licenses, 220.

Banns, 13

Marriages by Ages in the City of Brantford, 1918:

GROOMS.

AGE.	BRIDES.													TOTAL
	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	
15	9	26	9	1			1							46
20	4	31	36	11	3	1								86
25		4	17	9	8	2	2	1						43
30			2	6	8	2								19
35			1	4	4	4	4	1						18
40			1			1	2	1						5
45							3	4	2	1				10
50											1			1
55					1							1		2
60											1			1
65								1			1			2
70 & over														
Age not stated.														
TOTALS	13	61	66	31	25	10	12	7	3	1	3	1		233

Marriages by Denominations in the City of Fort William, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	13	5	1	3	1						2		25
Presbyterian	3	19	2				1						25
Methodist.....	2	2	8	3			1						16
Roman Catholic	2			30							1		33
Baptist.....	3	2	2		1								8
Congregationalist.....													
Lutheran					2		40						42
Evangelical Association													
Hebrew													
Salvation Army.....													
Other Denominations..											2		2
Denomination not stated													
TOTAL GROOMS	23	28	13	36	4		42				5		151

Licenses, 141.

Banns, 10.

Marriages by Ages in the City of Fort William, 1918.

GROOMS.

BRIDES	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
		15	1	13	12	3	1								
	20	2	22	22	7	3									56
	25		4	13	8	3	1	1		1					31
	30			1	4	1	1		1						8
	35			1	2	5	4			4					16
	40					2	2	1	1						6
	45					1	1								2
	50														
	55									1		1			2
	60														
	65														
	70 & over														
	Age not stated.														
	TOTALS	3	39	49	24	16	9	2	2	6		1			151

Marriages by Denominations in the City of Galt, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	20	7	2	1	.....	.....	1	.....	.....	1	.....	.....	32
Presbyterian	7	22	10	.....	2	.....	2	.....	.....	.....	.....	.....	43
Methodist .....	.....	4	13	.....	1	.....	1	.....	1	.....	.....	.....	20
Roman Catholic .....	.....	.....	1	8	1	.....	.....	.....	.....	.....	.....	.....	10
Baptist	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	2	1	1	.....	.....	4	.....	.....	.....	.....	.....	8
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Hebrew.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
Other Denominations..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS.....	28	35	28	10	4	.....	8	1	1	2	1	.....	118

Licenses, 103.

Banns, 15.

Marriages by Ages in the City of Galt, 1918.

GROOMS.

BRIDES.	Age.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	3	10	3	1
20	3	24	10	4	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	43
25	.....	4	14	7	4	2	.....	.....	.....	.....	.....	.....	.....	.....	31
30	.....	2	2	6	2	2	.....	.....	.....	.....	.....	.....	.....	.....	14
35	.....	.....	.....	.....	.....	2	.....	1	.....	.....	.....	.....	.....	.....	3
40	.....	.....	.....	.....	.....	1	1	2	1	.....	.....	.....	.....	.....	5
45	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	2
50	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	2
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	6	40	29	18	11	5	4	1	3	.....	.....	.....	1	.....	118

Marriages by Denominations in the City of Guelph, 1918.

GROOMS.	BRIDES.											Total Brides.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.	
Anglican	18	4	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	26
Presbyterian.....	1	32	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	43
Methodist	5	7	25	2	1	1	.....	.....	.....	.....	2	.....	.....	43
Roman Catholic	3	.....	2	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
Baptist .....	.....	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	3
Congregationalist.....	.....	.....	3	.....	.....	1	1	.....	.....	.....	.....	.....	.....	5
Lutheran .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Other Denominations..	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	2
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	39	43	39	19	4	3	1	.....	.....	1	2	.....	.....	142

Licenses, 134.

Banns, 8.

Marriages by Ages in the City of Guelph, 1918.

GROOMS.

BRIDES.	Age.	GROOMS.													TOTAL	
		15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated		
BRIDES.	15	3	11	5	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	24
	20	2	24	18	6	2	2	.....	.....	.....	.....	.....	.....	.....	.....	54
	25	.....	1	12	9	7	2	.....	.....	.....	.....	.....	.....	.....	.....	34
	30	.....	1	1	5	5	2	1	.....	.....	.....	.....	.....	.....	.....	15
	35	.....	.....	.....	1	3	2	2	.....	.....	1	.....	.....	.....	.....	9
	40	.....	.....	.....	.....	1	.....	.....	1	1	.....	.....	.....	.....	.....	3
	45	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	55	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	2
	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	TOTALS	5	43	36	22	19	8	3	3	2	1	.....	.....	.....	.....	142

Marriages by Denominations in the City of Hamilton, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	164	31	28	17	14	2	1				3		260
Presbyterian	11	110	26	9	7	1	3				3		203
Methodist	45	34	108	8	13	3	4				1		217
Roman Catholic	11	7	7	114	5		1						115
Baptist	13	11	13	5	24	1							97
Congregationalist	2	3			1	2					1		9
Lutheran	1	3	1	2	1	1	1						10
Evangelical Association					1			1					2
Hebrew			1						17				18
Salvation Army			1							4			5
Other Denominations ..	2	2	1	1							31		37
Denomination not stated ..													
TOTAL GROOMS,.....	282	201	217	156	66	10	10	1	17	4	29		1,003

Licenses, 903.

Banns, 100.

Marriages by Ages in the City of Hamilton, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	37	123	53	5	3	2	1							
20	15	163	118	37	15	8	3	2							361
25		16	78	46	26	8	7		1						182
30		4	16	29	23	18	4		1						95
35		1	2	11	23	16	13	3	2	1					72
40					2	8	10	5	3			1	1		30
45							3	6	3	3	3				18
50							2	2	4	2	2	1			13
55										3	1	1			5
60						1					1				2
65															
70 & over													1		1
Age not stated.															
TOTALS	52	207	267	130	99	67	41	15	12	8	3	2			1,003

Marriages by Denominations in the City of Kingston, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations		Denomination not stated
Anglican	45	10	13	12	.....	.....	.....	.....	.....	.....	.....	.....	80
Presbyterian	8	26	10	1	4	.....	.....	.....	1	.....	2	.....	52
Methodist.....	11	10	70	4	3	1	.....	.....	.....	1	.....	.....	100
Roman Catholic	9	5	4	41	.....	.....	.....	.....	.....	.....	.....	.....	62
Baptist	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Congregationalist.....	.....	2	1	.....	.....	3	.....	.....	.....	.....	.....	.....	6
Lutheran .....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Other Denominations..	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	77	53	100	61	7	4	1	.....	1	1	2	.....	307

Licenses, 384.

Banns, 23.

Marriages by Ages in the City of Kingston, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	11	29	5	2	1
20	3	64	51	12	3	2	.....	.....	.....	.....	.....	.....	.....	.....	135
25	.....	5	21	16	4	6	1	.....	.....	.....	.....	1	.....	.....	54
30	.....	.....	4	10	8	2	.....	1	.....	.....	.....	.....	.....	.....	25
35	.....	.....	.....	4	11	3	.....	1	1	.....	.....	.....	.....	.....	20
40	.....	.....	.....	.....	4	1	3	1	2	.....	.....	.....	.....	.....	11
45	.....	.....	.....	.....	1	1	2	1	1	.....	1	.....	.....	.....	7
50	.....	.....	.....	.....	.....	.....	.....	1	2	.....	.....	.....	.....	.....	3
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	2
65	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	14	98	81	44	32	15	8	6	5	1	1	2	.....	.....	307

Marriages by Denominations in the City of Kitchener, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.	
Anglican	6				1		4	1						12
Presbyterian		7	1			1	2							11
Methodist		2	10	1			4	2			2			21
Roman Catholic	1	1	1	28			1							32
Baptist					4	1	5							10
Congregationalist		1						1						2
Lutheran		2	5		1		35	1			1			45
Evangelical Association			4					5						9
Hebrew									3					3
Salvation Army														
Other Denominations		1		1			1	1			10			14
Denomination not stated														
TOTAL GROOMS	7	14	21	30	6	2	52	11	3		13			159

Licenses, 129.

Banns, 30.

Marriages by Ages in the City of Kitchener, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	4	17	4	3	1									
20	2	40	17	11	1										71
25		5	17	4	4	2									32
30			4	4		3									11
35				1	2	1		1							5
40					2	1	2								5
45							1								1
50								1		1	1				3
55											1				1
60															
65												1			1
70 & over															
Age not stated.															
TOTALS	6	62	42	23	10	7	4	1	1	2	1				159

Marriages by Denominations in the City of London, 1918.

GROOMS.	Brides.											TOTAL BRIDES.			
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations		Denomination not stated		
Anglican	77	15	26	1	7	1									130
Presbyterian	15	45	19	1	8										86
Methodist	32	28	105	2	8		6	2				2			185
Roman Catholic	2	1	4	39	1										47
Baptist	15	11	13	6	30							1			76
Congregationalist	2		1	1	1										5
Lutheran	1		2	1											4
Evangelical Association															
Hebrew									1						1
Salvation Army	1									1					2
Other Denominations	1		1		1		1					13			17
Denomination not stated															
TOTAL GROOMS	146	100	171	54	56	1	7	2	1	1	16	.....	.....	.....	555

Licenses, 530.

Banns, 25.

Marriages by Ages in the City of London, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	25	55	31	4	2									
20	8	109	77	22	8	3	1								228
25		12	42	22	23	5	2	2	1						109
30		5	4	13	9	5	6	1	1						44
35				1	6	5	3	2	1						18
40			1	1	1	3	4		1	1					12
45							2	3	2						7
50								1	3	3	3		2		12
55								1				2			4
60											1		1		2
65												1	1		2
70 & over															
Age not stated.															
TOTALS	33	181	155	63	49	23	21	10	7	7	1	5	.....	.....	555

Marriages by Denominations in the City of Niagara Falls, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	30	3	8	1	.....	.....	1	.....	1	.....	1	.....	48
Presbyterian	4	19	4	3	5	.....	1	1	.....	.....	3	.....	40
Methodist.....	4	7	32	5	2	.....	2	.....	.....	.....	.....	1	55
Roman Catholic	6	2	7	17	1	.....	.....	.....	.....	.....	.....	.....	32
Baptist	4	1	2	1	6	.....	.....	.....	.....	.....	2	.....	16
Congregationalist.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	2
Lutheran .....	.....	.....	1	1	1	.....	4	.....	.....	.....	.....	.....	7
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Hebrew.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations..	1	1	2	1	2	.....	.....	.....	.....	.....	5	.....	12
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	50	34	56	32	17	1	8	2	1	.....	11	1	213

Licenses, 209.

Banns, 4.

Marriages by Ages in the City of Niagara Falls, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	11	18	12	2
20	2	29	17	9	4	1	.....	.....	.....	.....	.....	.....	.....	.....	62
25	1	6	16	8	5	3	2	.....	2	.....	.....	.....	.....	.....	43
30	.....	.....	4	7	4	5	3	.....	1	.....	.....	.....	.....	.....	24
35	.....	.....	1	6	7	3	2	.....	.....	.....	.....	.....	.....	.....	19
40	.....	.....	.....	1	.....	4	1	.....	1	2	.....	.....	.....	.....	9
45	.....	.....	.....	1	.....	.....	2	3	.....	.....	1	.....	.....	.....	7
50	.....	.....	.....	.....	.....	.....	.....	2	1	.....	.....	.....	1	.....	4
55	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	t	.....	1
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	14	53	50	34	20	16	10	5	6	2	1	2	.....	.....	213

Marriages by Denominations in the City of Ottawa, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	105	37	13	23	1	1	.....	.....	.....	1	.....	.....	168
Presbyterian	25	94	31	8	7	1	2	.....	.....	1	5	.....	174
Methodist	21	24	55	1	1	.....	1	.....	1	.....	1	.....	105
Roman Catholic	22	22	6	312	4	.....	2	.....	.....	.....	2	1	371
Baptist .....	.....	5	4	.....	7	.....	1	.....	.....	.....	.....	.....	17
Congregationalist	1	1	1	.....	.....	4	.....	.....	.....	.....	.....	.....	7
Lutheran	3	1	2	2	.....	.....	10	.....	.....	.....	.....	.....	18
Evangelical Association .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	10	.....	.....	.....	10
Salvation Army	2	1	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	5
Other Denominations .....	.....	2	1	.....	1	.....	.....	.....	.....	.....	13	.....	17
Denomination not stated .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	179	177	113	343	21	6	16	.....	11	4	21	1	892

Licenses, 742.

Banns, 150.

Marriages by Ages in the City of Ottawa, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	26	89	31	7	2	2	1
20	13	161	136	48	9	6	3	1	.....	.....	.....	.....	.....	.....	367
25	.....	19	78	46	25	8	2	2	1	2	.....	.....	.....	.....	183
30	.....	5	13	24	25	14	2	1	5	.....	.....	.....	1	.....	88
35	.....	1	1	4	11	10	2	3	4	.....	.....	.....	.....	.....	36
40	.....	.....	.....	.....	4	7	9	5	2	.....	.....	.....	.....	.....	27
45	.....	.....	1	1	.....	3	2	2	5	2	.....	.....	.....	.....	16
50	.....	.....	.....	.....	.....	.....	.....	.....	3	2	1	.....	.....	.....	6
55	.....	.....	.....	.....	.....	.....	.....	1	2	1	2	.....	.....	.....	6
60	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	3
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	39	275	250	128	76	50	20	16	23	8	4	3	.....	.....	892

Marriages by Denominations in the City of Peterborough, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	23	5	5	1									34
Presbyterian	16	12	9	2	2						1		42
Methodist	9	6	19	5	2								41
Roman Catholic	1		1	23									25
Baptist		1	5		4								10
Congregationalist													
Lutheran													
Evangelical Association													
Hebrew													
Salvation Army	1		1								1		3
Other Denominations		1	2								2		5
Denomination not stated													
TOTAL GROOMS	50	25	72	31	8						4		193

Licenses, 173.

Banns, 20.

Marriages by Ages in the City of Peterborough, 1918.

GROOMS.

BRIDES.	GROOMS.													TOTAL	
	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over		Not stated
15	3	17	6	3	2										31
20	3	32	17	12	4	2									70
25		7	16	8	4	2									37
30		1	2	6	5	3		1							18
35			1	2	3	3	2	1							12
40				1	4	2		1	1	1					10
45					1		2		1		1				5
50								3	1						4
55								1			1	1			3
60										1					1
65									1						1
70 & over													1		1
Age not stated.															
TOTALS	6	57	42	32	23	12	4	7	4	2	2	2			193

Mariages by Denominations in the City of Port Arthur, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.			
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.		
Anglican	9	5	6	1	1	.....	1	.....	.....	.....	.....	.....	.....	.....	23
Presbyterian	3	20	2	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	28
Methodist.....	.....	2	5	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
Roman Catholic.....	4	2	1	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35
Baptist.....	1	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
Congregationalist .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	1	1	1	.....	.....	32	.....	.....	.....	.....	1	.....	.....	36
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	2
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	17	30	15	34	3	1	33	.....	.....	.....	.....	3	.....	.....	136

Licenses. 121.

Banns. 15.

Mariages by Ages in the City of Port Arthur, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	6	19	9	3	2
20	8	18	11	6	.....	1	.....	.....	.....	.....	.....	.....	44
25	3	12	8	3	.....	.....	.....	.....	.....	.....	.....	.....	26
30	2	4	6	.....	.....	.....	.....	.....	.....	.....	.....	13
35	3	2	3	3	.....	.....	.....	.....	.....	.....	11
40	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
45	1	1	.....	1	.....	.....	.....	.....	3
50
55
60
65
70 & over
Age not stated.
TOTALS	6	30	42	29	17	6	5	.....	1	.....	.....	.....	.....	136

Marriages by Denominations in the City of St. Catharines, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.			
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.		
Anglican	37	4	3	4	1	2	1								52
Presbyterian	3	20	4	5			1					1			34
Methodist.....	7	4	20	3								1			35
Roman Catholic	6	1	2	16											25
Baptist	2	3	2		3		1								11
Congregationalist.....					1										1
Lutheran			1				1								2
Evangelical Association															
Hebrew															
Salvation Army.....															
Other Denominations..			1	1	1							2			5
Denomination not stated													1		1
TOTAL GROOMS	55	32	33	29	6	2	4					4	1		166

Licenses, 151.

Banns, 15.

Marriages by Ages in the City of St. Catharines, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	5	18	9	1	2									
20	1	25	22	6	4	3									60
25		5	8	8	5			1							31
30	1		1	4	7	3	1								17
35				2	2	1	2	2		1					10
40				1	3	1	1	1							7
45			1					1			1				3
50											2				2
55									1						1
60															
65															
70 & over															
Age not stated.															
TOTALS	7	48	41	22	27	7	5	5			4				166

Marriages by Denominations in the City of St. Thomas, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	18	2	4	2	2								28
Presbyterian	3	17	1		2	2					1		26
Methodist	6	12	21		4							1	44
Roman Catholic				9	1								10
Baptist	3	2	6		12							1	24
Congregationalist						1							1
Lutheran													
Evangelical Association													
Hebrew													
Salvation Army													
Other Denominations ..	2	2							1		4		9
Denomination not stated													
TOTAL GROOMS.....	32	35	32	11	21	3		1			5	2	142

Licenses, 130.

Banns, 12.

Marriages by Ages in the City of St. Thomas, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	8	11	8											
20	4	31	17	9	1	1									63
25		2	13	3	3				1						22
30			1	1	5	2	1								10
35				1	1	2	1	3							8
40					1	2	1					1			5
45								1	1						2
50									1		1				2
55									1	2					3
60															
65															
70 & over															
Age not stated.															
TOTALS	12	44	39	14	11	7	4	7	2	1	1				142

Marriages by Denominations in the City of Sault Ste. Marie, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	14	1	4	1	.....	.....	.....	.....	.....	.....	.....	.....	20
Presbyterian	6	22	4	4	1	.....	.....	.....	.....	.....	1	.....	38
Methodist.....	3	5	19	1	1	.....	.....	.....	.....	.....	.....	.....	29
Roman Catholic	4	1	.....	48	2	.....	.....	.....	.....	.....	.....	.....	55
Baptist .....	.....	2	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	5
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	.....	.....	1	.....	.....	20	.....	.....	.....	.....	.....	21
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS	27	31	27	55	7	.....	20	.....	1	.....	2	.....	170

Licenses, 142.

Banns, 28.

Marriages by Ages in the City of Sault Ste. Marie, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	4	26	14	5	1	1
20	3	29	27	12	3	1	.....	.....	.....	.....	.....	.....	.....	.....	75
25	.....	3	7	3	2	3	.....	.....	.....	.....	.....	.....	.....	.....	48
30	.....	1	.....	4	6	1	2	.....	.....	.....	.....	.....	.....	.....	14
35	.....	.....	1	.....	2	1	2	.....	.....	.....	.....	.....	.....	.....	6
40	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	2
45	.....	.....	.....	.....	.....	.....	2	.....	1	.....	.....	.....	.....	.....	3
50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	7	59	49	24	14	9	5	2	.....	.....	.....	.....	1	.....	170

Marriages by Denominations in the City of Toronto, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican.....	922	210	169	60	64	6	4	1	2	.....	11	.....	1,472
Presbyterian.....	191	618	137	42	47	14	2	1	1	.....	11	.....	1,064
Methodist.....	157	172	580	43	41	3	2	.....	.....	.....	13	.....	1,011
Roman Catholic.....	82	35	36	486	16	1	1	.....	1	.....	10	.....	668
Baptist.....	61	52	44	8	122	1	3	.....	.....	2	4	.....	297
Congregationalist.....	4	7	4	.....	2	7	.....	1	.....	.....	1	.....	26
Lutheran.....	.....	1	5	.....	.....	.....	22	.....	.....	.....	.....	.....	28
Evangelical Association	.....	1	2	.....	1	.....	.....	2	.....	.....	.....	.....	6
Hebrew.....	.....	1	1	1	.....	.....	.....	.....	269	.....	.....	.....	272
Salvation Army.....	1	1	3	.....	.....	.....	1	.....	.....	18	.....	.....	24
Other Denominations..	8	11	4	2	3	1	.....	.....	.....	.....	90	.....	119
Denomination not stated	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	2	3
TOTAL GROOMS.....	1,446	1,109	985	662	297	33	35	5	273	20	143	2	4,990

Licenses, 4,543.

Banns, 447.

Marriages by Ages in the City of Toronto, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	139	429	152	31	8	3	1	2
20	56	815	720	224	103	14	7	.....	.....	.....	.....	.....	.....	.....	1,939
25	3	117	489	262	179	55	19	4	.....	.....	.....	.....	1	.....	1,129
30	1	9	84	170	152	65	20	11	1	1	.....	.....	.....	.....	514
35	.....	.....	11	29	111	75	43	27	11	5	2	.....	.....	.....	314
40	.....	1	5	7	19	41	38	18	11	7	6	1	.....	.....	157
45	.....	.....	.....	1	1	11	37	19	6	10	3	3	.....	.....	91
50	.....	.....	.....	.....	1	.....	5	9	11	10	2	1	.....	.....	39
55	.....	.....	.....	.....	.....	.....	.....	1	6	9	6	5	1	.....	28
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	8	.....	1	.....	10
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	2
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	2
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	199	1,371	1,461	724	674	267	171	96	51	48	18	10	.....	.....	4,990

Marriages by Denominations in the City of Windsor, 1918.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican	36	6	5		2	1								50
Presbyterian	6	12	1	1	1						1			31
Methodist.....	10	9	55	6	6	1								87
Roman Catholic	2	1	5	52	2						1			63
Baptist	2	3	5	1	11	1								33
Congregationalist.....				1		3								4
Lutheran			1		1		2							4
Evangelical Association								1						1
Hebrew		1							4					5
Salvation Army.....	1	1								1				3
Other Denominations..			1	1	1							12		15
Denomination not stated												1		1
TOTAL GROOMS	57	33	76	65	27	6	2	1	4	1	14	1		287

Licenses, 257.

Banns, 30.

Marriages by Ages in the City of Windsor, 1918.

GROOMS.

BRIDES.	GROOMS.													TOTAL.	
	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over		Not stated
15	11	42	19	6			1								79
20	6	37	27	10	5	2									87
25		3	21	17	10	3		1							58
30			2	7	4	6	4	1							24
35					2		7	1	5	1					16
40						2	3	2	2	1			1		11
45								2	2	2					6
50							1		1	1	1				4
55											1				1
60											1				1
65															
70 & over															
Age not stated.															
TOTALS	17	84	79	39	32	14	12	6	3		1				287

Marriages by Denominations in the City of Woodstock, 1918.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican	11	4	2	1	3									21
Presbyterian	1	10	5	1	2		1							20
Methodist.....	2	5	14		1	1		1						24
Roman Catholic				3										3
Baptist	4				1									5
Congregationalist.....			1			1								2
Lutheran														
Evangelical Association														
Hebrew														
Salvation Army.....														
Other Denominations..	1							1						2
Denomination not stated														
TOTAL GROOMS.....	19	19	22	5	7	2	1	2						77

Licenses, 70.

Banns, 1.

Marriages by Ages in the City of Woodstock, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	4	6	2		1									
20	2	15	10	2	4										33
25			7	6	3		1								17
30			1		1	1	2								5
35			1		1	1									3
40				1		1						1			3
45								1							1
50										1					1
55												1			1
60															
65															
70 & over															
Age not stated.															
TOTALS	6	21	21	9	10	3	4		1			2			77

Marriages by Denominations in the Towns of Ontario, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	99	46	42	15	10	1	2	.....	.....	.....	2	.....	217
Presbyterian	12	168	42	10	9	1	.....	1	.....	.....	1	.....	274
Methodist.....	50	54	260	15	18	2	2	.....	1	1	2	.....	495
Roman Catholic.....	15	12	12	266	1	.....	1	.....	.....	.....	1	.....	308
Baptist	7	15	18	5	29	1	.....	.....	.....	.....	1	.....	76
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	2	.....	1	.....	.....	43	.....	.....	.....	.....	.....	46
Evangelical Association	.....	.....	.....	.....	.....	.....	1	3	.....	.....	.....	.....	4
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Salvation Army.....	.....	2	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	7
Other Denominations..	1	2	1	.....	.....	.....	.....	.....	.....	1	17	.....	22
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	3
TOTAL GROOMS	214	301	375	312	67	5	49	4	2	7	25	2	1,963

Licenses, 1,214.

Banns, 149.

Marriages by Ages in the Towns of Ontario, 1918.

GROOMS.

BRIDES.	GROOMS.														TOTAL
	Age.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	
15	44	173	75	12	17	1	2	.....	.....	.....	1	.....	.....	324
20	17	249	186	79	33	11	4	2	.....	.....	1	.....	.....	572
25	1	40	80	52	36	9	7	1	2	.....	.....	.....	.....	228
30	.....	.....	17	34	35	5	12	4	2	.....	.....	.....	.....	99
35	.....	1	3	9	20	16	7	1	1	.....	.....	1	.....	59
40	.....	.....	.....	2	2	13	12	2	2	1	1	.....	.....	35
45	.....	.....	.....	.....	2	1	3	6	3	5	.....	.....	.....	20
50	.....	.....	.....	.....	.....	.....	1	2	2	1	2	1	.....	8
55	.....	.....	.....	.....	.....	.....	1	1	4	1	1	2	.....	10
60	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	3
65	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	1	.....	3
70 & over	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	62	462	361	179	134	56	50	19	18	10	7	5	.....	1,363

Marriages by Denominations in the Town of Barrie, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	1	1	2	1	.....	1	.....	.....	.....	.....	1	.....	7
Presbyterian	2	5	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	8
Methodist.....	1	3	12	.....	1	.....	.....	.....	.....	1	.....	.....	18
Roman Catholic .....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Baptist .....	.....	3	2	.....	1	.....	.....	.....	.....	.....	.....	.....	6
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army .....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Other Denominations..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
TOTAL GROOMS	4	13	16	2	3	1	.....	.....	.....	1	1	1	42

Licenses, 41.

Banns, 1.

Marriages by Ages in the Town of Barrie, 1918.

GROOMS.

BRIDES.	GROOMS.													TOTAL
	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	
15	1	6	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
20	1	9	5	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	16
25	.....	.....	3	.....	1	1	1	.....	.....	.....	.....	.....	.....	6
30	.....	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	3
35	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	2
40	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	2
45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
50	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	2	15	11	1	5	2	4	1	.....	.....	.....	1	.....	42

Marriages by Denominations in the Town of Brockville, 1918.

GROOMS.	BRIDES.												TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.			
Anglican	11	6	3		3										25
Presbyterian	5	11	3	1							1				21
Methodist	10	5	34	3	2	1	1		1						57
Roman Catholic	2	1	1	10											14
Baptist		1			2	1									4
Congregationalist															
Lutheran															
Evangelical Association															
Hebrew															
Salvation Army															
Other Denominations															
Denomination not stated															
TOTAL GROOMS.....	28	26	41	14	7	2	1		1		1		1		121

Licenses, 111.

Banns, 78.

Marriages by Ages in the Town of Brockville, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	2	13	3	2										
20	2	26	11	4	3	1									47
25		6	9	3	2		2								22
30			1	5	2	1	1								10
35			1	2	2	2		2					1		10
40				2		3	2								7
45									1	1	1				3
50										1					2
55													1		
60															
65															
70 & over															
Age not stated.															
TOTALS	4	45	25	18	9	7	5	3	2	1			2		121

Marriages by Denominations in the Town of Collingwood, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.	
Anglican	5		1											6
Presbyterian	5	20	1	1										27
Methodist.....	5	3	5	2							1			16
Roman Catholic.....		1		3										4
Baptist		3												3
Congregationalist.....														
Lutheran														
Evangelical Association														
Hebrew														
Salvation Army.....														
Other Denominations..											3			3
Denomination not stated														
TOTAL GROOMS	15	27	7	6							4			59

Licenses, 56.

Banns, 3.

Marriages by Ages in the Town of Collingwood, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	1	3	1	1	1									
20	1	4	13	8	2										28
25		1	6	1	4										12
30				1	1		1								3
35		1					1								2
40							1								1
45										1	1				2
50															
55															
60															
65											1				1
70 & over															
Age not stated															
TOTALS.	2	12	29	11	8	2	1		1	2					59

Marriages by Denominations in the Town of Cornwall, 1918.

GROOMS	BRIDES.												TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.			
Anglican.....	8	5	1		1										15
Presbyterian		9			1										10
Methodist	3		4												7
Roman Catholic	1	1	1	29											32
Baptist					1										1
Congregationalist															
Lutheran.....															
Evangelical Association															
Hebrew															
Salvation Army.....		1													1
Other Denominations ..															
Denomination not stated															
* TOTAL GROOMS	12	16	6	29	3										66

Licenses, 51.

Banns, 15.

Marriages by Ages in the Town of Cornwall, 1918.

GROOMS.

BRIDES.	GROOMS.													TOTAL	
	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over		Not stated
15	1	7	3				1								12
20	5	13	6	3	2	1						1			31
25	1	7	2	1											11
30				2	1	1									4
35					2	2	1								5
40							1								1
45								1							1
50									1						
55															
60															
65													1		1
70 & over															
Age not stated.															
TOTALS	7	27	11	6	3	5	2	1				1	1		66

Marriages by Denominations in the Town of Ingersoll, 1918.

GROOMS.	BRIDES.											Total Brides.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.
Anglican	3		2	2	1								8
Presbyterian		5	1										6
Methodist		3	12										15
Roman Catholic				5									5
Baptist	1		5		2								8
Congregationalist													
Lutheran													
Evangelical Association													
Hebrew													
Salvation Army													
Other Denominations													
Denomination not stated													
TOTAL GROOMS.....	4	8	20	7	3								42

Licenses, 37.

Banns, 5.

Marriages by Ages in the Town of Ingersoll, 1918.

GROOMS.

BRIDES.	GROOMS.													Total.
	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	
15		7					1							8
20	1	6	7	1	1			1						17
25		1	4	1		1								7
30			1		1		1							3
35				2	1		1							4
40							2							2
45														
50														
55									1					1
60														
65														
70 & over														
Age not stated														
TOTALS	1	14	12	4	3	1	5	1	1					42

Marriages by Denominations in the Town of Kenora, 1918.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican	4	3		1			2							10
Presbyterian	1	3												4
Methodist	1		2											3
Roman Catholic		1		2										3
Baptist					2									2
Congregationalist														
Lutheran							4							4
Evangelical Association														
Hebrew														
Salvation Army														
Other Denominations														
Denomination not stated														
TOTAL GROOMS	6	7	2	3	2		6							36

Licenses, 23.

Banns, 3.

Marriages by Ages in the Town of Kenora, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15			3	3										
20				6	3										9
25				1	2	2				1					6
30					1	1				1					3
35						1	1								2
40															
45															
50															
55															
60															
65															
70 & over															
Age not stated															
TOTALS			3	10	6	4	1			2					26

Marriages by Denominations in the Town of Lindsay, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.	
Anglican	11	8	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
Presbyterian	3	7	7	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	18
Methodist.....	6	8	31	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	47
Roman Catholic.....	1	1	.....	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
Baptist	1	4	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	6
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Other Denominations..	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS.....	23	28	44	13	3	.....	.....	1	.....	1	.....	.....	.....	113

Licenses, 102.

Banns, 11.

Marriages by Ages in the Town of Lindsay, 1918.

GROOMS.

BRIDES.	GROOMS.													TOTAL	
	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over		Not stated
15	6	16	7	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
20	1	28	10	6	1	2	.....	.....	.....	.....	.....	.....	.....	.....	48
25	.....	3	9	4	2	.....	1	.....	.....	.....	.....	.....	.....	.....	19
30	.....	.....	1	3	4	.....	1	.....	.....	.....	.....	.....	.....	.....	9
35	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
40	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	2
45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
50	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
55	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	7	47	27	13	10	2	3	.....	3	1	.....	.....	.....	.....	113

Marriages by Denominations in the Town of Midland, 1918.

GROOMS.	BRIDES.											Total Brides.		
	Anglican.	Presbyterian,	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations,		Denomination not stated.	
Anglican	5	1	2											8
Presbyterian	2	5	3			1								11
Methodist	1		7		2									10
Roman Catholic		1	2	10										13
Baptist					1									1
Congregationalist														
Lutheran														
Evangelical Association														
Hebrew														
Salvation Army										1				1
Other Denominations ..														
Denomination not stated ..														
TOTAL GROOMS	8	7	14	10	3	1				1				44

Licenses, 39.

Banns, 5.

Marriages by Ages in the Town of Midland, 1918.

GROOMS,

AGE.	BRIDES.												TOTAL.	
	15	20	25	30	35	40	45	50	55	60	65	70 & over		Not stated
15		6	3		1		1							11
20		14	4	2	1									21
25		1		1	1									3
30			3		2									5
35				1										1
40						1	1							2
45														
50														
55										1				1
60														
65														
70 & over														
Age not stated														
TOTALS		21	10	1	5	1	1	1		1				41

Marriages by Denominations in the Town of North Bay, 1918.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican	3	2	2	1										8
Presbyterian	4	5	2	1										12
Methodist.....		2	4											6
Roman Catholic.....	1	1	2	24										28
Baptist					1									1
Congregationalist.....														
Lutheran														
Evangelical Association														
Hebrew														
Salvation Army.....														
Other Denominations..														
Denomination not stated														
TOTAL GROOMS.....	8	10	10	26	1									55

Licenses, 40.

Banns, 15.

Marriages by Ages in the Town of North Bay, 1918.

GROOMS.

BRIDES.	GROOMS.												Not stated	TOTAL.	
	AGE.	15	20	25	30	35	40	45	50	55	60	65			70 & over
15	2	6	4												12
20		10	10	2											22
25		4	4	1	3				1						13
30			1		1		1								3
35					1										1
40								1							1
45								1							1
50									1						1
55										1					
60															
65										1					1
70 & over															
Age not stated.															
TOTALS.	2	20	19	3	5		1	2	3						55

Marriages by Denominations in the Town of Orillia, 1918.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican	5	3	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	11
Presbyterian	4	12	8	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
Methodist.....	5	3	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
Roman Catholic.....	.....	.....	1	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
Baptist.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Other Denominations..	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	2
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS.....	14	19	39	6	2	.....	.....	.....	.....	1	1	.....	.....	82

Licenses, 78.

Banns, 4.

Marriages by Ages in the Town of Orillia, 1918.

GROOMS.

BRIDES.	GROOMS.												TOTAL		
	AGE	15	20	25	30	35	40	45	50	55	60	65		70 & over	Not stated
15	4	10	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
20	10	17	4	2	2	.....	.....	.....	.....	.....	.....	.....	.....	35
25	2	3	5	2	2	.....	.....	.....	.....	.....	.....	.....	.....	14
30	3	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
35	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	2
40	1	1	.....	.....	.....	.....	.....	.....	2
45	1	1	.....	1	.....	.....	.....	3
50	1	.....	.....	1
55
60
65
70 & over
Age not stated.
TOTALS	4	22	26	14	5	6	2	1	.....	1	1	.....	.....	.....	82

Marriages by Denominations in the Town of Owen Sound, 1918.

GROOMS.	BRIDES.												TOTAL BRIDES.	
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican.....	4	2	4											10
Presbyterian.....	1	30	1		2									37
Methodist.....	3	8	16		1						1			32
Roman Catholic.....		1		3										4
Baptist.....		3	3	3	2							1		12
Congregationalist.....														
Lutheran.....		1												1
Evangelical Association.....														
Hebrew.....								1						1
Salvation Army.....														
Other Denominations.....											1			1
Denomination not stated.....														
TOTAL GROOMS.....	8	45	27	6	8				1		3			98

Licenses, 94.

Banns 4.

Marriages by Ages in the Town of Owen Sound, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	3	16	4	1	4									
20	1	22	11	4	3										41
25		3	5	2	3	2									15
30			1	1		1	2	1							6
35			1			1									2
40						1					1	1			3
45						1					1				2
50															
55															
60															
65															
70 & over															
Age not stated.															
TOTALS.	4	41	22	8	13	3	2	1		2	2				98

Marriages by Denominations in the Town of Parry Sound, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.	
Anglican	4	2		1	2									9
Presbyterian.....	1	5	2											8
Methodist.....	1	1	18	3	2		1							26
Roman Catholic.....	2			11	1									14
Baptist			1	1	5									7
Congregationalist														
Lutheran.....														
Evangelical Association														
Hebrew														
Salvation Army														
Other Denominations...											1			1
Denomination not stated														
TOTAL GROOMS	8	8	21	16	10		1				1			65

Licenses, 59.

Banns, 6.

Marriages by Ages in the Town of Parry Sound, 1918.

GROOMS.

BRIDES.	GROOMS.												TOTAL.		
	AGE.	15	20	25	30	35	40	45	50	55	60	65		70 & over	Not stated
15	2	7	9	1											19
20		10	15	2	3										30
25			1	4	1	1									7
30			1	1	1				1						4
35					1	1									2
40					1		1								2
45															
50															
55								1							1
60															
65															
70 & over.															
Age not stated.															
TOTALS.	2	17	26	8	7	2	1	1	1						65

Marriages by Denominations in the Town of Pembroke, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.	
Anglican	3	3	3											9
Presbyterian		6	1	1										8
Methodist.....		1	4	1	2									8
Roman Catholic.....	1	1	1	34										37
Baptist	1													1
Congregationalist.....														
Lutheran		1		1			7							9
Evangelical Association							1	3						4
Hebrew														
Salvation Army.....														
Other Denominations.														
Denomination not stated														
TOTAL GROOMS	5	12	9	37	2		8	3						76

Licenses, 62.

Banns, 14.

Marriages by Ages in the Town of Pembroke, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	2	11	5	1	2									
20		8	12	5	3	3									31
25		1	5	4	1		2	1							14
30					1	2			1						4
35						1	2		1						4
40															
45															
50										1		1			2
55															
60															
65															
70 & over															
Age not stated.															
TOTALS.	2	20	22	11	9	5	2	2	3	1		1			76

Marriages by Denominations in the Town of Renfrew, 1918.

GROOMS.	BRIDES.											TOTAL BRIDES.		
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.		Denomination not stated.	
Anglican.....		1	2											3
Presbyterian.....	1	10	1		1									13
Methodist.....	1	5	16	1										23
Roman Catholic.....		1	1	21										23
Baptist.....		1												1
Congregational.....														
Lutheran.....														
Evangelical Association.....														
Hebrew.....														
Salvation Army.....														
Other Denominations.....												1		1
Denomination not stated.....													1	1
TOTAL GROOMS.....	2	18	20	22	1							1	1	65

Licenses, 54.

Banns, 11.

Marriages by Ages in the Town of Renfrew, 1918.

GROOMS.

BRIDES	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	1	7	5	1										
20	1	11	9	6	1		2								30
25		3	3	4	2	1									13
30			1	1		1	1								4
35						3									3
40															
45															
50															
55															
60												1			1
65															
70 & over															
Age not stated															
TOTALS	2	21	18	12	3	5	3					1			65

Marriages by Denominations in the Town of Sudbury, 1918.

GROOMS	BRIDES.												
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.	Total Brides.
Anglican	2	2	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	7
Presbyterian	2	11	.....	2	1	.....	.....	.....	.....	.....	.....	.....	16
Methodist.....	1	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	4
Roman Catholic.....	4	1	1	33	.....	.....	1	.....	.....	.....	.....	.....	39
Baptist.....	1	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	3
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	.....	.....	.....	.....	.....	22	.....	.....	.....	.....	.....	22
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations..	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	2
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS.....	10	15	2	39	3	.....	23	.....	.....	1	1	.....	91

Licenses, 75.

Banns, 18.

Marriages by Ages in the Town of Sudbury, 1918.

GROOMS.

BRIDES.	GROOMS.													TOTAL.	
	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over.		Not stated
15	2	9	8	1	1	.....	.....	.....	.....	.....	.....	1	.....	.....	22
20	11	18	8	2	1	1	.....	.....	.....	.....	.....	.....	.....	41
25	3	8	3	5	1	.....	.....	.....	.....	.....	.....	.....	.....	20
30	1	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
35	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
40	1	.....	.....	.....	.....	.....	.....	.....	.....	1
45	1	1	1	.....	.....	.....	.....	.....	3
50	1	.....	.....	.....	.....	.....	.....
55	1	.....	.....	.....	.....	1
60
65
70 & over
Age not stated.
TOTALS.	2	23	35	14	11	3	2	1	2	.....	1	.....	.....	.....	91

Marriages by Denominations in the Town of Trenton, 1918.

GROOMS.	BRIDES.	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.	TOTAL BRIDES.
Anglican.....		8	1	4	2	.....	.....	.....	.....	.....	.....	1	.....	16
Presbyterian		3	3	3	.....	1	.....	.....	.....	.....	.....	.....	.....	10
Methodist.....		5	3	41	2	2	.....	.....	.....	.....	.....	.....	.....	53
Roman Catholic.....		1	.....	1	11	.....	.....	.....	.....	.....	.....	.....	.....	13
Baptist.....	
Congregationalist.....	
Lutheran
Evangelical Association.....	
Hebrew
Salvation Army.....		2	.....	.....	2
Other Denominations
Denomination not stated.....	
TOTAL GROOMS.....		17	7	49	15	3	.....	.....	.....	.....	2	1	.....	94

Licenses, 93.

Banns, 2.

Marriages by Ages in the Town of Trenton, 1918.

GROOMS.

BRIDES.	AGE.	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL.
	15	3	11	2	3	2
20	2	26	10	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	43
25	.....	2	5	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
30	.....	.....	2	3	1	1	.....	.....	.....	.....	.....	.....	.....	.....	7
35	.....	.....	.....	1	.....	1	1	.....	1	.....	.....	.....	.....	.....	4
40	.....	.....	.....	.....	.....	3	1	.....	.....	.....	.....	.....	.....	.....	4
45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
50	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	2
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	2
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.	5	39	19	13	5	5	3	.....	2	2	.....	1	.....	.....	94

Marriages by Denominations in the Town of Welland, 1918.

GROOMS.	BRIDES.													TOTAL BRIDES.
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrew.	Salvation Army.	Other Denominations.	Denomination not stated.		
Anglican	10	4	2	.....	1	.....	.....	.....	.....	.....	.....	1	.....	18
Presbyterian	4	8	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
Methodist.....	3	1	15	.....	1	.....	.....	.....	.....	.....	.....	1	.....	21
Roman Catholic.....	.....	.....	.....	33	.....	.....	1	.....	.....	.....	.....	.....	.....	24
Baptist .....	.....	3	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	6
Congregationalist.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lutheran .....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Evangelical Association	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Hebrew .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salvation Army.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Denominations ..	1	.....	1	1	2	.....	.....	.....	.....	.....	.....	5	.....	10
Denomination not stated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL GROOMS.....	18	16	24	36	5	.....	1	1	.....	.....	.....	7	.....	98

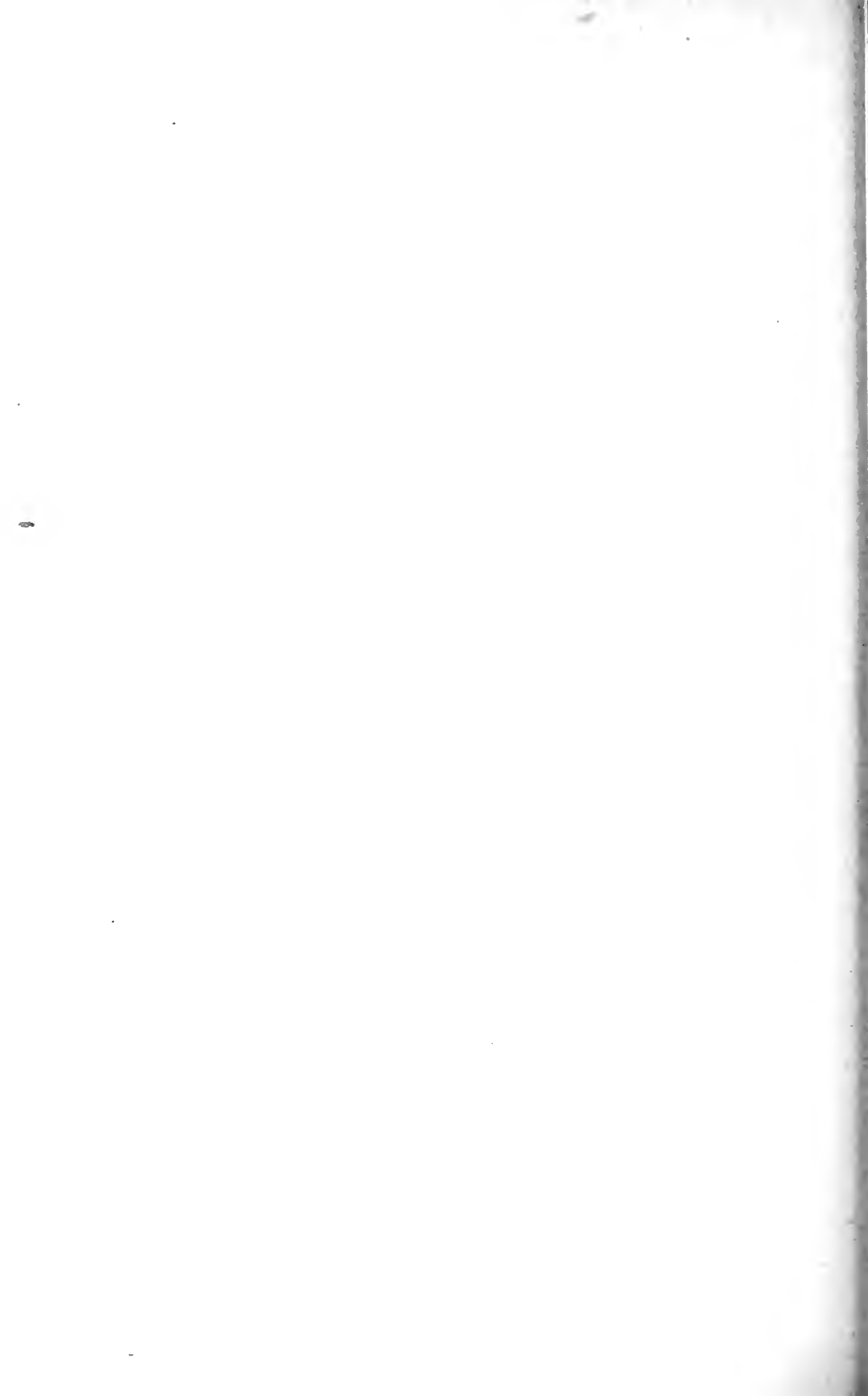
Licenses, 87.

Banns, 11.

Marriages by Ages in the Town of Welland, 1918.

GROOMS.

BRIDES	AGE	15	20	25	30	35	40	45	50	55	60	65	70 & over	Not stated	TOTAL
	15	2	21	4	4	2
20	2	16	8	4	1	1	.....	.....	.....	.....	.....	.....	.....	.....	32
25	.....	2	7	7	.....	1	1	.....	.....	.....	.....	.....	.....	.....	18
30	.....	.....	.....	.....	3	1	.....	2	.....	.....	.....	.....	.....	.....	6
35	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	2
40	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	3
45	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	2
50	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 & over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Age not stated.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.	4	39	19	15	7	3	7	2	1	1	.....	.....	.....	.....	98



CAUSES OF DEATH IN THE DISTRICT OF ALGOMA, 1918.

OFFICIAL ENGLISH TRANSLATION. DISEASES AND CAUSES OF DEATH.	Total.	Ages.												Sex.		Nativity.			Social Con.			Months.																			
		Under 1.												Male.	Female.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.								
		0-1	1-2	2-3	3-4	4-5	5-9	10-14	15-19	20-29	30-39	40-49	50-59																					60-69	70-79	80 and over.					
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38			
Grand Total	217	38	12	4	3	10	7	12	24	28	6	16	18	20	16	85	132	188	24	9	3	5	118	90	3	23	16	17	20	14	10	12	7	14	13	45	26				
I.—GENERAL DISEASES.																																									
Group Total	72	5	3	1	1	5	3	8	15	16	2	5	5	5	1	40	32	63	9	1	1	3	40	30	2	9	3	4	3	3	2	2	1	6	28	11					
1. Typhoid fever	1																																								
6. Measles	1																																								
8. Whooping cough	1																																								
9. Diphtheria and croup	3																																								
10. Influenza	30	3	1	1	2	5	11	7	1	1	2	12	15	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
18. Erysipelas	1																																								
20. Purulent infection and septicaemia	1																																								
Total deaths from tuberculosis	21	2	2	1	1	1	2	4	5	3	2	1	1	1	1	9	12	18	2	1	1	1	9	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
28. Tuberculosis of the lungs	18																																								
29. Acute military tuberculosis	2																																								
31. Abdominal tuberculosis	1																																								
39. Cancer and other malignant tumors of the buccal cavity	1																																								
40. Cancer and other malignant tumors of the stomach, liver	2																																								
42. Cancer and other malignant tumors of the female genital organs	1																																								
43. Cancer and other malignant tumors of the breast	1																																								
47. Acute articular rheumatism	1																																								
48. Chronic rheumatism and gout	1																																								
50. Diabetes	1																																								
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																									
Group Total	21	5	1	1	1	1	1	1	1	3	2	2	3	3	11	7	18	3	1	1	1	1	10	11	1	4	3	1	1	1	1	1	1	1	1	1	1	1	1		
61. Meningitis	2																																								
63. Other diseases of the spinal cord	2																																								
64. Cerebral hemorrhage, apoplexy	6																																								
65. Softening of the brain	1																																								
66. Paralysis without specified cause	5																																								
70. Convulsions (non-puerperal)	1																																								
71. Convulsions of infants	4																																								

OFFICIAL ENGLISH TRANSLATION.
DISEASES AND CAUSES OF DEATH.

DISEASES AND CAUSES OF DEATH.	Ages.												Sex.		Nativity.			Social Con.			Months.																		
	Under 1.												Male.		Female.		Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.					
	0-1.	1-2.	2-3.	3-4.	4-5.	5-6.	6-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.
Total.	32	14	10	7	7	12	17	30	35	26	32	37	34	40	8	174	193	290	73	4	154	202	11	25	23	16	15	21	23	23	33	34	35	36	37	38	48	100	34
Number of Column.																																							
Grand Total	376																																						
I.—GENERAL DISEASES.																																							
1. Typhoid fever																																							
6. Measles																																							
8. Whooping cough																																							
9. Diphtheria and croup																																							
10. Influenza																																							
Total deaths from tuberculosis	17																																						
28. Tuberculosis of the lungs	12																																						
29. Acute military tuberculosis	2																																						
30. Tuberculous meningitis	2																																						
31. Abdominal tuberculosis	1																																						
39. Cancer and other malignant tumors of the buccal cavity	1																																						
40. Cancer and other malignant tumors of the stomach, liver	3																																						
41. Cancer and other malignant tumors of the peritonaeum, intestines, rectum	1																																						
44. Cancer and other malignant tumors of the skin	2																																						
45. Cancer and other malignant tumors of other organs or of organs not specified	2																																						
47. Acute articular rheumatism	1																																						
48. Chronic rheumatism and gout	1																																						
50. Diabetes	2																																						
51. Exophthalmic goitre	1																																						
54. Angamia, chlorosis	1																																						
55. Other general diseases	1																																						
Group Total	36																																						
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																							
61. Meningitis	2																																						
62. Locomotor ataxia	1																																						
64. Cerebral hemorrhage, apoplexy	2																																						
65. Softening of the brain	1																																						

CAUSES OF DEATH IN THE COUNTY OF CARLETON, 1918.

OFFICIAL ENGLISH TRANSLATION.
DISEASES AND CAUSES OF DEATH.

DISEASES AND CAUSES OF DEATH.	Total.	Ages.													Sex.			Nativity.			Social Con.			Months.																																				
		Under 1.	1-4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38																							
Number of Columns.....	1																																																											
Grand Total	501																																																											
I.—GENERAL DISEASES.																																																												
Group Total	137	7	6	7	3	1	10	11	9	19	19	10	11	2	7	2					68	60	129	8	77	38	2	6	11	5	8	7	5	4	15	11				2	241	430	62	252	247	2	27	37	31	37	28	33	34	36	37	116	49	36	37	38
1. Typhoid fever.....	1																																																											
8. Whooping cough.....	3																																																											
9. Diphtheria and croup.....	5																																																											
10. Influenza.....	65																																																											
14. Dysentery.....	1																																																											
20. Purulent infection and septicemia.....	2																																																											
Total deaths from tuberculosis.....	22																																																											
28. Tuberculosis of the lungs.....	18																																																											
29. Acute military tuberculosis.....	2																																																											
31. Abdominal tuberculosis.....	1																																																											
33. White swelling.....	1																																																											
37. Syphilis.....	1																																																											
39. Cancer and other malignant tumors of the buccal cavity.....	1																																																											
40. Cancer and other malignant tumors of the stomach, liver.....	7																																																											
41. Cancer and other malignant tumors of the peritoneum, intestines, rectum.....	2																																																											
43. Cancer and other malignant tumors of the breast.....	1																																																											
44. Cancer and other malignant tumors of the skin.....	3																																																											
45. Cancer and other malignant tumors of other organs or of organs not specified.....	8																																																											
50. Diabetes.....	9																																																											
54. Anæmia, chlorosis.....	9																																																											
55. Other general diseases.....	3																																																											

CAUSES OF DEATH IN THE COUNTY OF FRONTENAC, 1918.

OFFICIAL ENGLISH TRANSLATION. DISEASES AND CAUSES OF DEATH.	Ages.													Sex.		Nationality.			Social Con.			Months.																			
	Under 1.													Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.							
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38			
Total.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38			
Number of Column.														168	150	...	271	30	8	132	183	3	32	23	38	24	23	17	23	10	18	23	37	44	29						
Grand Total														318														318													
I.—GENERAL DISEASES.																																									
Group Total														108														108													
1. Typhoid fever														1														1													
7. Scarlet fever														1														1													
8. Whooping cough														2														2													
9. Diphtheria and croup														2														2													
10. Influenza														31														31													
18. Erysipelas														1														1													
Total deaths from tuberculosis														40														40													
28. Tuberculosis of the lungs														33														33													
30. Tuberculous meningitis														1														1													
37. Syphilis														1														1													
39. Cancer and other malignant tumors of the buccal cavity														1														1													
40. Cancer and other malignant tumors of the stomach, liver														1														1													
41. Cancer and other malignant tumors of the peritoneum, intestines, rectum														1														1													
42. Cancer and other malignant tumors of the female genital organs														1														1													
44. Cancer and other malignant tumors of the skin														1														1													
45. Cancer and other malignant tumors of other organs or of organs not specified														3														3													
47. Acute articular rheumatism														1														1													
48. Chronic rheumatism and gout														3														3													
50. Diabetes														3														3													
51. Exophthalmic goitre														1														1													
54. Anæmia, chlorosis														5														5													
56. Alcoholism (acute or chronic)														1														1													
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																									
Group Total														27														27													
61. Meningitis														2														2													
64. Cerebral hemorrhage, apoplexy														11														11													

VII.—THE PUBERBAL STATE.												
Group Total												
156.	Other accidents of labor	3	1	2								
	XI.—DISEASES OF EARLY INFANCY.	3	1	2								
Group Total												
151.	Congenital debility, icterus, and sclerema	23	11	12								
	XII.—Old Age.	23	11	12								
154.	Group Total	47	20	27								
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.												
Group Total												
157.	Suicide by hanging or strangulation	4	1	3								
158.	Suicide by drowning	1	1									
159.	Accidental drowning	1										
156.	Other external violence	1										
XIV.—ILL-DEFINED DISEASES.												
Group Total												
158.	Sudden death	5	2	3								
159.	Cause of death not specified or ill-defined	4	2	2								
STILL-BIRTHS.												
Not included in totals												

XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.		26	1	1	1	2	1	1	4	2	3	2	4	4	20	6	19	6	1	9	17	1	1	2	4	2	3	7	3	1								
Group Total		26	1	1	1	2	1	1	4	2	3	2	4	4	20	6	19	6	1	9	17	1	1	2	4	2	3	7	3	1								
157. Suicide by hanging or strangulation		1													1																							
163. Other suicides		1													1																							
165. Other acute poisonings		1													1																							
167. Burns (conflagration excepted)		3													3																							
172. Traumatism by fall		1													1																							
174. Traumatism by machines		1													1																							
175. Traumatism by other crushing.		3													3																							
(a) Railroad																																						
(b) Street car																																						
(c) Automobile		1													1																							
(d) Other crushing		2													2																							
176. Injuries by animals		3													3																							
181. Electricity (lightning excepted)		1													1																							
185. Fractures (cause not specified)		1													1																							
186. Other external violence		2													2																							
XIV.—ILL-DEFINED DISEASES.																																						
Group Total		6													6																							
188. Sudden death		4													4																							
189. Cause of death not specified or ill-defined		2													2																							
STILL-BIRTHS.																																						
Not included in totals		22													22																							

Not included in totals

CAUSES OF DEATH IN THE COUNTY OF HALIBURTON, 1918.

OFFICIAL ENGLISH TRANSLATION.
DISEASES AND CAUSES OF DEATH.

Number of Columns.

Total.

I.—GENERAL DISEASES.

Grand Total	80
Group Total	23
10. Influenza	13
Total deaths from tuberculosis	6
28. Tuberculosis of the lungs	5
31. Abdominal tuberculosis	1
39. Cancer and other malignant tumors of the buccal cavity	1
45. Cancer and other malignant tumors of other organs or of organs not specified	1
50. Diabetes	1
51. Exophthalmic goitre	1

II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.

Group Total	8
60. Encephalitis	1
61. Meningitis	1
62. Locomotor ataxia	1
64. Cerebral hemorrhage, apoplexy	1
66. Paralysis without specified cause	1
73. Neuralgia and neuritis	1
76. Diseases of the ears	1

III.—DISEASES OF THE CIRCULATORY SYSTEM.

Group Total	7
78. Acute endocarditis	1
79. Organic diseases of the heart	6

	Ages.										Sex.		Nativity.			Social Con.		Months.																			
	Under 1.	1-3	4	5-9	10-14	15-19	20-29	30-39	40-49	50-59	60-69	70-79	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.		
Total.	11	2	1	1	2	3	4	13	3	7	10	11	6	47	33	...	66	12	2	34	44	2	9	3	2	5	7	4	7	3	3	3	24	11			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
80	23	13	6	1	2	3	4	13	3	7	10	11	6	47	33	...	66	12	2	34	44	2	9	3	2	5	7	4	7	3	3	24	11				

III.—DISEASES OF THE CIRCULATORY SYSTEM.

Group Total	30	1	1	1	1	3	3	6	23	6	1	2	5	2	5	2	5	1	1	5	1	5
79. Organic diseases of the heart	23	1	1	1	1	1	1	3	20	3	2	2	5	1	3	1	1	1	1	4	1	4
80. Angina pectoris	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
81. Diseases of the arteries, atheroma, aneurysm, etc.	12	1	1	1	1	1	1	2	10	2	1	1	5	1	2	1	1	1	1	3	1	3
82. Embolism and thrombosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
83. Diseases of the veins (varices, hemorrhoids, phlebitis, etc.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Group Total	31	1	2	1	5	2	2	6	15	1	8	3	16	5	4	2	4	2	1	5	2	9
89. Acute bronchitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
90. Chronic bronchitis	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1
91. Broncho-pneumonia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
92. Pneumonia	21	2	1	2	5	1	1	10	8	6	1	1	14	3	1	2	2	1	1	2	1	2
94. Pulmonary congestion, pulmonary apoplexy	3	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1
Group Total	8	1	2	1	1	2	1	6	2	2	3	5	6	1	1	1	1	1	3	1	1	1
102. Ulcer of the stomach	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
103. Other diseases of the stomach (cancer excepted)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
104. Diarrhea and enteritis (under 2 years)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
108. Appendicitis and typhlitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
113. Cirrhosis of the liver	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
116. Diseases of the spleen	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
117. Simple peritonitis (non-puerperal)	3	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
Group Total	17	1	1	1	1	1	1	2	5	10	5	12	12	3	4	1	1	1	1	1	1	1
119. Acute nephritis	3	1	1	1	1	1	1	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1
120. Bright's disease	4	1	1	1	1	1	1	3	8	6	3	11	9	2	4	1	1	1	1	1	1	1
126. Diseases of the prostate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Group Total	2	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1

VII.—THE PUERPERAL STATE.

Group Total	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
134. Accidents of pregnancy	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
135. Puerperal hemorrhage	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

VIII.—DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.

Group Total	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
141. Acute abscess	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

VI.—NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA.

HALTOM—Continued.

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
IX.—DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION.																																											
Group Total		1																																									
146. Diseases of the bones (tuberculosis excepted).		1																																									
X.—CONGENITAL MALFORMATIONS.																																											
Group Total		2																																									
150. Congenital malformations (still-births not included)		2																																									
XI.—DISEASES OF EARLY INFANCY.																																											
Group Total		26																																									
151. Congenital debility, icterus, and sclerema		26																																									
154.		25																																									
XII.—OLD AGE.																																											
Group Total		10																																									
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																																											
Group Total		2																																									
157. Suicide by hanging or strangulation		1																																									
158. Suicide by drowning		1																																									
165. Other acute poisonings		1																																									
167. Burns (conflagration excepted)		1																																									
169. Accidental drowning		1																																									
175. Traumatism by other crushing.		1																																									
(a) Railroad		1																																									
(b) Street car		1																																									
(c) Automobile		1																																									
(d) Other crushing		1																																									
176. Injuries by animals		1																																									
186. Other external violence		1																																									
XIV.—ILL-DEFINED DISEASES.																																											
Group Total		2																																									
189. Cause of death not specified or ill-defined		2																																									
Not included in totals		17																																									

STILL-BIRTHS.

VII.—THE PUERPERAL STATE.												
	5		2 3									
Group Total												
136. Other accidents of labor	1		1									
137. Puerperal septicaemia	3		2									
138. Puerperal albuminuria and convulsions	3		2									
VIII.—DISEASES OF THE SKIN AND OF THE CELLULAE TISSUE.												
Group Total	3				1 2							
142. Gangrene	3				1 2							
X.—CONGENITAL MALFORMATIONS.												
Group Total	2											
150. Congenital malformations (still-births not included)	2											
XI.—DISEASES OF EARLY INFANCY.												
Group Total	23											
151. Congenital debility, icterus, and sclerema	23											
154.					15	8						
XII.—OLD AGE.												
Group Total	42											
151. Congenital debility, icterus, and sclerema	23											
154.	23				15	8						
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.												
Group Total	36											
159. Suicide by firearms	1											
167. Burns (conflagration excepted)	2											
169. Accidental drowning	3											
170. Traumatism by firearms	3											
172. Traumatism by fall	1											
173. Traumatism in mines and quarries	1											
174. Traumatism by machines	1											
175. Traumatism by other crushing	11											
(a) Railroad												
(b) Street car												
(c) Automobile												
(d) Other crushing (Aeroplane)												
176. Injuries by animals	11											
185. Fractures (cause not specified)	6											
186. Other external violence	3											
STILL-BIRTHS.												
Not included in totals	22											

VII.—THE PUERPERAL STATE.

4

R.G.

CAUSES OF DEATH IN THE DISTRICT OF KENORA, 1918. (TOWN OF KENORA NOT INCLUDED.)

	Ages.														Sex.		Nationality.		Social Con.		Months.																	
	Under 1.														Male.	Female.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.				
	0-1	1	2	3	4	5	6	7	8	9	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	88	60	135	20	2	70	75	3	16	4	9	9	8	9	12	7	29	33	16
Total.	17	3	4	5	7	8	9	10	11	14	7	12	25	10	10	7	6	9	3	88	60	135	20	2	70	75	3	16	4	9 <td>9 <td>8</td> <td>9</td> <td>12</td> <td>7</td> <td>29</td> <td>33</td> <td>16</td> </td>	9 <td>8</td> <td>9</td> <td>12</td> <td>7</td> <td>29</td> <td>33</td> <td>16</td>	8	9	12	7	29	33	16
Number of Column.																																						
Grand Total																																						
I.—GENERAL DISEASES.																																						
Group Total																																						
6. Measles																																						
8. Whooping cough																																						
9. Diphtheria and croup																																						
10. Influenza																																						
Total deaths from tuberculosis																																						
28. Tuberculosis of the lungs.....																																						
40. Cancer and other malignant tumors of the stomach, liver																																						
43. Cancer and other malignant tumors of the breast																																						
45. Cancer and other malignant tumors of other organs or of organs not specified																																						
56. Alcoholism (acute or chronic)																																						
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																						
Group Total																																						
68. Other forms of mental alienation																																						
71. Convulsions of infants																																						
III.—DISEASES OF THE CIRCULATORY SYSTEM.																																						
Group Total																																						
79. Organic diseases of the heart																																						
IV.—DISEASES OF THE RESPIRATORY SYSTEM.																																						
Group Total																																						
91. Broncho-pneumonia																																						
92. Pneumonia																																						

V.—DISEASES OF THE DIGESTIVE SYSTEM.																		
Group Total	6	2	2	1	1	1	1	2	1	2	5	1	1	1	1	1	1	1
104. Diarrhoea and enteritis (under 2 years)	2	2	2	1	1	1	1	2	1	2	5	2	1	1	1	1	1	1
105. Diarrhoea and enteritis (2 years and over)	2	2	2	1	1	1	1	2	1	2	5	2	1	1	1	1	1	1
110. Diseases of the intestines	2	2	2	1	1	1	1	2	1	2	5	2	1	1	1	1	1	1
VI.—NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA.																		
Group Total	3	1	1	1	1	1	1	2	1	2	2	1	1	1	1	1	1	1
120. Bright's disease	3	1	1	1	1	1	1	2	1	2	2	1	1	1	1	1	1	1
VII.—THE PUERPERAL STATE.																		
Group Total	6	1	3	2	1	1	6	5	1	6	5	1	1	2	1	1	1	1
Other accidents of labor	5	1	3	2	1	1	5	5	1	5	5	1	1	2	1	1	1	1
138. Puerperal albuminuria and convulsions	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
XI.—DISEASES OF EARLY INFANCY.																		
Group Total	5	5	1	1	1	1	1	1	1	5	5	1	1	1	1	1	1	1
151. Congenital debility, icterus, and sclerema	5	5	1	1	1	1	1	1	1	5	5	1	1	1	1	1	1	1
154.																		
XII.—OLD AGE.																		
Group Total	12	4	8	4	8	6	6	10	1	12	10	1	1	1	2	1	2	1
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																		
Group Total	15	1	1	1	1	4	5	14	1	13	7	7	1	1	5	2	5	1
168. Absorption of deleterious gases (conflagration excepted)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
169. Accidental drowning	3	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	1	1
170. Traumatism by firearms	9	1	1	1	1	1	1	2	1	2	5	1	1	1	3	2	1	1
173. Traumatism in mines and quarries	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
175. Traumatism by other crushing.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
(a) Railroad	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
(b) Street car	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
(c) Automobile	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
(d) Other crushing	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
XIV.—ILL-DEFINED DISEASES.																		
Group Total	24	2	2	1	1	4	3	7	2	5	2	1	1	1	10	11	10	11
189. Cause of death not specified or ill-defined	24	2	2	1	1	4	3	7	2	5	2	1	1	1	10	11	10	11
Not included in totals	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

STILL-BIRTHS.

CAUSES OF DEATH IN THE COUNTIES OF LEEDS AND GRENVILLE, 1918. (BROCKVILLE NOT INCLUDED.)

DISEASES AND CAUSES OF DEATH.	AGES.													SEX.		NATIVITY.			SOCIAL CON.		MONTHS.																																																																																		
														Male.	Female.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.																																																																						
	Under 1.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	338.	330.	583.	80.	63.	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.																																																											
Total.	38	16	5	2	2	2	4	5	5	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Number of Columns.																																																																																																							
Grand Total	668																																																																																																						
I.—GENERAL DISEASES.																																																																																																							
Group Total	189																																																																																																						
1. Typhoid fever	2																																																																																																						
8. Whooping Cough	32																																																																																																						
10. Influenza	72																																																																																																						
11. Miliary fever	1																																																																																																						
Total deaths from tuberculosis	59																																																																																																						
28. Tuberculosis of the lungs	57																																																																																																						
29. Acute miliary tuberculosis	1																																																																																																						
31. Abdominal tuberculosis	1																																																																																																						
39. Cancer and other malignant tumors of the buccal cavity	1																																																																																																						
40. Cancer and other malignant tumors of the stomach, liver	1																																																																																																						
41. Cancer and other malignant tumors of the peritoneum, intestines, rectum	6																																																																																																						
42. Cancer and other malignant tumors of the female genital organs	2																																																																																																						
43. Cancer and other malignant tumors of the breast	1																																																																																																						
44. Cancer and other malignant tumors of the skin	1																																																																																																						
45. Cancer and other malignant tumors of other organs or of organs not specified	10																																																																																																						
46. Other tumors (tumors of the female genital organs excepted)	3																																																																																																						
48. Chronic rheumatism and gout	1																																																																																																						
50. Diabetes	6																																																																																																						
51. Exophthalmic goitre	1																																																																																																						
53. Leucæmia	1																																																																																																						
54. Anæmia, chlorosis	12																																																																																																						
55. Other general diseases	2																																																																																																						

LEEDS AND GRENVILLE.—Concluded.

		Number of Column.																																					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VII.—THE PUERPERAL STATE.																																							
Group Total																																							
145. Puerperal hemorrhage																																							
VIII.—DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.																																							
Group Total																																							
142. Gangrene																																							
143. Furuncle																																							
144. Acute abscess																																							
XI.—DISEASES OF EARLY INFANCY.																																							
Group Total																																							
151. Congenital debility, icterus, and sclerema																																							
154. XII.—OLD AGE.																																							
Group Total																																							
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																																							
Group Total																																							
169. Accidental drowning																																							
170. Traumatism by firearms																																							
172. Traumatism by fall																																							
175. Traumatism by other crushing.																																							
(a) Railroad																																							
(b) Street car																																							
(c) Automobile																																							
(d) Other crushing																																							
176. Injuries by animals																																							
185. Fractures (cause not specified)																																							
186. Other external violence																																							
XIV.—ILL-DEFINED DISEASES.																																							
Group Total																																							
188. Sudden death																																							
189. Cause of death not specified or ill-defined																																							
STILL-BIRTHS.																																							
19. Not included in totals																																							

CAUSES OF DEATH IN THE COUNTY OF LINCOLN, 1918. (ST. CATHARINES NOT INCLUDED.)

DISEASES AND CAUSES OF DEATH.	Total.	Ages.												Sex.		Nativity.		Social Con.			Months.																																					
		Under 1.		10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Male.	Female.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.																										
		0-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38																			
		38	11	6	2	1	1	2	5	9	20	42	23	24	30	61	51	40	7	8	72	53	271	94	7	170	199	2	25	25	26	31	19	24	23	17	39	67	43	33																		
Grand Total																																																										
1.—GENERAL DISEASES.																																																										
8. Whooping Cough	17							2	4	1	3	2		1				8	9		12	12																																				
9. Diphtheria and croup	2	1	1																1	1																																						
10. Influenza	63	3	3	1	5	33	12	5	1	2	2	2						41	31		37	37																																				
18. Erysipelas	1	1																	1	1																																						
20. Purulent infection and septicæmia	2																		2	2		2	2																																			
24. Tetanus	17								2	4	1	3	3	2				8	9		12	12																																				
Total deaths from tuberculosis	17								3	4	1	3	3	2				8	9		12	12																																				
28. Tuberculosis of the lungs	17								3	4	1	3	3	2				8	9		12	12																																				
36. Rickets	1																		1	1		1	1																																			
40. Cancer and other malignant tumors of the stomach, liver	5																		2	2		2	2																																			
41. Cancer and other malignant tumors of the peritoneum, intestines, rectum	2																		2	2		2	2																																			
42. Cancer and other malignant tumors of the female genital organs	1																		1	1		1	1																																			
43. Cancer and other malignant tumors of the breast	1																		1	1		1	1																																			
44. Cancer and other malignant tumors of the skin	1																		1	1		1	1																																			
45. Cancer and other malignant tumors of other organs or of organs not specified	6																		4	4		4	4																																			
47. Acute articular rheumatism	2																		2	2		2	2																																			
48. Chronic rheumatism and gout	2																		2	2		2	2																																			
50. Diabetes	2																		2	2		2	2																																			
51. Exophthalmic goitre	2																		2	2		2	2																																			
54. Anæmia, chlorosis	2																		2	2		2	2																																			
55. Other general diseases	2																		2	2		2	2																																			
56. Alcoholism (acute or chronic)	3																		3	3		3	3																																			

Number of Column.

II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.

	38	2	3	4	10	9	4	1	21	17	29	9	9	30	3	2	5	3	3	3	3	2	4	2										
Group Total																																		
61. Meningitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
62. Locomotor ataxia																																		
64. Cerebral hemorrhage, apoplexy	22	2	1	3	8	4	4	15	9	17	5	3	10	3	2	1	4	3	2	1	1	2	1	2	1									
65. Paralysis without specified cause	8	2	1	1	1	5		5	5	6	2	8	6	2	2	1	1	1	1	1	1	1	1	1	1									
66. Epilepsy	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
70. Convulsions (non-puerperal)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
71. Convulsions of infants																																		
III.—DISEASES OF THE CIRCULATORY SYSTEM.																																		
Group Total	45			3	2	2	9	19	8	30	25	29	16	9	36	5	4	5	4	5	4	5	1	6	3	2								
79. Organic diseases of the heart	37			3	2	2	8	14	7	15	22	25	12	7	30	5	3	3	1	4	3	2	1	5	3	2								
80. Anemia pectoris	1									1					1																			
81. Diseases of the arteries, arterioma, aneurysm, etc.	7						1	5	1	4	3	4	3	2	5	1	1	1	1	1	1	1	2	1										
IV.—DISEASES OF THE RESPIRATORY SYSTEM.																																		
Group Total	61	4	5	2			2	6	14	14	2	2	2	2	1	3	17	11	15	11	5	37	24	3	1	3	2	1	6	29	1	7		
89. Acute bronchitis	4	2	1	1																														
91. Broncho-pneumonia	18	2	1	1	1	6		1	6	7	1	4	3	4	5	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
92. Pneumonia	25	1	2	2	2	3	8	1	2	11	2	10	5	17	18	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
93. Pleurisy	2	1	2																															
94. Pulmonary congestion, lobar pneumonia	1																																	
98. Other diseases of the respiratory system (tuberculosis excepted)	1																																	
V.—DISEASES OF THE DIGESTIVE SYSTEM.																																		
Group Total	11	2	1	1	1	1	1	1	1	3	8	8	3	9	2	1	2	1	2	1	1	2	1	2	3	1								
Diseases of the pharynx	1																																	
102. Ulcer of the stomach	1																																	
103. Other diseases of the stomach (cancer excepted)	1																																	
104. Diarrhea and enteritis (under 2 years)	2	2	1																															
105. Diarrhea and enteritis (2 years and over)	2																																	
109. Horria, intestinal obstructions	1																																	
110. Diseases of the intestines	2																																	
VI.—NON-VENEREAL DISEASES OF THE GENITOURINARY SYSTEM AND ANNEXA.																																		
Group Total	16	1	1	1	2	2	2	3	4	10	6	15	1	3	13	3	1	1	2	1	1	2	1	3	1									
119. Acute nephritis	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1									
120. Bright's disease	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
126. Diseases of the prostate	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
VII.—THE PUERPERAL STATE.																																		
Group Total	1																																	
137. Puerperal septicaemia	1																																	

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MIDDLESEX—Concluded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38				
Number of Column.																																										
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																																										
Group Total	15						1	1	2	1	3	2	2	1	1			11	1	12	3	3	6	9	2	1	1	2	1	1	2	2	2	2	1							
157. Suicide by hanging or strangulation	1																			1																						
159. Suicide by firearms	1																			1																						
163. Other suicides	1																			1																						
172. Traumatism by fall	2																			1																						
174. Traumatism by machines	1																			1																						
175. Traumatism by other crushing	3							1	2									3	2	2	1	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
(a) Railroad	3							1	2									3	2	2	1	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
(b) Street car	1																																									
(c) Automobile	1																																									
(d) Other crushing	1																																									
170. Effects of heat	2																																									
185. Fractures (cause not specified)	2																																									
186. Other external violence	2																																									
Group Total	2																			2			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
189. Cause of death not specified or ill-defined	2																																									
Not included in totals	25	25																11	11	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
STILL-BIRTHS.																																										

XIV.—ILL-DEFINED DISEASES.

OFFICIAL ENGLISH TRANSLATION. DISEASES AND CAUSES OF DEATH.	Ages.													Sex.		Nativity.		Social Con.		Months.																						
	Total.													Male.	Female.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
	Under 1.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.																					13.	14.	15.	16.	17.	18.	19.	20.	21.
Number of Column.	1																																									
Grand Total	284																						164	120	221	61	2	124	156	4												
I.—GENERAL DISEASES.																																										
Group Total	108																						67	41	95	13	0	57	48	3												
7. Scarlet fever	2																						1	1	2	0	0	1	1	0												
8. Whooping cough	2																						1	1	2	0	0	1	1	0												
9. Diphtheria and croup	2																						1	1	2	0	0	1	1	0												
10. Influenza	30																						16	14	30	2	0	14	13	1												
20. Purulent infection and septicæmia	2																						1	1	2	0	0	1	1	0												
Total deaths from tuberculosis	58																						31	27	58	11	0	32	26	2												
28. Tuberculosis of the lungs	56																						31	25	56	11	0	32	24	2												
30. Tuberculous meningitis	1																						0	1	1	0	0	0	1	0												
31. Abdominal tuberculosis	1																						0	1	1	0	0	0	1	0												
40. Cancer and other malignant tumors of the stomach, liver	1																						0	1	1	0	0	0	1	0												
44. Cancer and other malignant tumors of the skin	1																						0	1	1	0	0	0	1	0												
45. Cancer and other malignant tumors of other organs or of organs not specified	1																						0	1	1	0	0	0	1	0												
50. Diabetes	2																						1	1	2	0	0	1	1	0												
54. Anæmia, chlorosis	2																						1	1	2	0	0	1	1	0												
55. Other general diseases	1																						1	0	1	0	0	1	0	0												
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																										
Group Total	10																						10	0	10	4	0	1	13	0												
61. Meningitis	1																						1	0	1	0	0	1	0	0												
62. Locomotor ataxia	1																						1	0	1	0	0	1	0	0												
63. Other diseases of the spinal cord	3																						3	0	3	0	0	3	0	0												
64. Cerebral hemorrhage, apoplexy	4																						4	0	4	0	0	4	0	0												
66. Paralysis without specified cause	1																						1	0	1	0	0	1	0	0												
69. Epilepsy	2																						2	0	2	0	0	2	0	0												
71. Convulsions of infants	2																						2	0	2	0	0	2	0	0												
74. Other diseases of the nervous system	2																						2	0	2	0	0	2	0	0												

NIPPSSING—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
	38																	20	18		38			38			4	4	4	4	2	1	2	1	2	1	4	2		
Group Total	38																20	18		38			38			4	4	4	4	2	1	2	1	2	1	4	2			
151. Congenital debility, icterus, and sclerema	38																20	18		38			38			4	4	4	4	2	1	2	1	2	1	4	2			
154.																																								
Group Total	16													4	8		11	5		11		11		16								3	1	1	1	1				
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																																								
Group Total	10								2	2	2	2	2	1	11	5		11	5		15		3	1	8	10	1	1	4	1	3	3	2	1	3	1				
157. Suicide by hanging or strangulation	1														1			1						1																
166. Contagion	3														1			1							1															
167. Burns (contagion excepted)	2													1	1			2			2		2																	
168. Absorption of deleterious gases (contagion excepted)	1														1			1																						
169. Accidental drowning	4								2	1					1			3	1																					
170. Traumatism by firearms	2								1	1					2			2						2																
171. Traumatism by cutting or piercing instruments	1														1			1																						
175. Traumatism by other crushing.	1														1			1																						
(a) Railroad																																								
(b) Street car																																								
(c) Automobile																																								
(d) Other crushing	1																																							
180. Lightning	2																																							
185. Fractures (cause not specified)	1																																							
186. Other external violence	2																																							
XIV.—ILL-DEFINED DISEASES.																																								
Group Total	4	1	1	1	1	1	1	1							4		4				4		4				1	1	1	2										
189. Cause of death not specified or ill-defined	1	1	1	1	1	1	1	1							4		4				4		4				1	1	1	2										
Not included in totals	33														20	13		20	13		33						6	2	6	2	2	2	1	1	2	2				

CAUSES OF DEATH IN THE COUNTIES OF NORTHUMBERLAND AND DURHAM, 1918 (COBourg AND PORT HOPE NOT INCLUDED.)

DISEASES AND CAUSES OF DEATH.	Agcs.													Sex.		Nativity.			Social Con.		Months.																													
	Under 1.													Male.	Female.	Canada.	Foreign.	Not stated.	Single.	Married.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.																		
	0-4	5-9	10-14	15-19	20-29	30-39	40-49	50-59	60-69	70-79	80 and over.	Not stated.	388	418	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38																		
Total.	69	13	3	5	3	6	11	28	63	53	48	74	135	135	160	4	388	418	620	178	8	247	550	9	64	66	61	65	61	76	68	54	44	50	88	86	84													
1																																																		
806																																																		
220	4	6	1	2	4	1	16	41	57	55	11	36	9	2	107	122	199	88	2	77	151	112	16	17	13	13	12	11	31	45	35																			
1																																																		
2																																																		
3																																																		
4																																																		
7																																																		
11																																																		
5																																																		
7																																																		
2																																																		
1																																																		
16																																																		
3																																																		
4																																																		
8																																																		
3																																																		
31																																																		

I.—GENERAL DISEASES.

- 1. Typhoid fever
- 6. Measles
- 7. Scarlet fever
- 8. Whooping cough
- 9. Diphtheria and croup
- 10. Influenza
- 14. Dysentery
- 20. Purulent infection and septicaemia
- Total deaths from tuberculosis
- 28. Tuberculosis of the lungs
- 39. Cancer and other malignant tumors of the buccal cavity
- 40. Cancer and other malignant tumors of the stomach, liver
- 41. Cancer and other malignant tumors of the peritoneum, intestines, rectum
- 42. Cancer and other malignant tumors of the female genital organs
- 43. Cancer and other malignant tumors of the breast
- 44. Cancer and other malignant tumors of the skin
- 45. Cancer and other malignant tumors of other organs or of organs not specified
- 46. Other tumors (tumors of the female genital organs excepted)
- 47. Acute articular rheumatism
- 48. Chronic rheumatism and gout
- 50. Diabetes
- 51. Exophthalmic goitre
- 53. Leucemia
- 54. Anæmia, chlorosis

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
VI.—NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANAEMIA.																																								
Group Total	37						1		2	4	1	7	6	12	4		21		10		30	7				9	28		2	1	2	4	1	1	3	5	2	5		
120. Bright disease																																								
122. Other diseases of the kidneys and annexa	1						1		3	1	7	3	8	3	12	11					30	6				5	21		2	1	3	4	1	2	1	7	1	2		
124. Diseases of the bladder	2								1												4																			
126. Diseases of the prostate	1								1												1																			
132. Salpingitis and other diseases of the female genital organs	1																				1																			
VII.—THE PUERPERAL STATE.																																								
Group Total	6								1	1									6		6						6		1	1	3									
136. Other accidents of labor	2								1	1											2																			
137. Puerperal septicæmia	2								2												2																			
138. Puerperal albuminuria and convulsions	2								1	1											2																			
VIII.—DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.																																								
Group Total	11								1					2	1	1		6	5		8	2				9		2	9		1	2	1	1	2		2	1		
142. Gangrene	9								1					2	3	1	5				8	1				4		2	4		2	2	1	1	1	1	2	1		
143. Furuncle	1								1					1							1																			
144. Acute abscess	1													1							1																			
IX.—DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION.																																								
Group Total	1																				1																			
146. Diseases of the bones (tuberculosis excepted)	1																				1																			
X.—CONGENITAL MALFORMATIONS.																																								
Group Total	2	2																			2																			
150. Congenital malformations (still-births not included)	2																				2																			
XI.—DISEASES OF EARLY INFANCY.																																								
Group Total	47	47															23	21		47						47		5	2	3	7	3	4	2	6	4	5			
151. Congenital debility, icterus, and sclerema	47	47															23	24		47						47		5	2	3	7	3	4	2	6	4	5			
XII.—Old Age.																																								
Group Total	96																3	18	71	45	51		47	47	2	7	87	2	7	9	8	9	8	9	6	8	7	5	10	10

CAUSES OF DEATH IN THE DISTRICT OF PARRY SOUND, 1918 (TOWN OF PARRY SOUND NOT INCLUDED).

OFFICIAL ENGLISH TRANSLATION. DISEASES AND CAUSES OF DEATH.	Ages.		Sex.		Nativity.		Social Con.		Months.																															
	Under 15.												Male.	Female.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.								
	12	11	10	9	8	7	6	5	4	3	2	1	Under 1.	163	142	244	59	45	151	152	2	14	28	14	19	16	13	15	23	14	47	68	34							
Total	55	3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	163	142	244	59	45	151	152	2	14	28	14	19	16	13	15	23	14	47	68	34
Number of Column.	1																										1													
Grand Total	308																																							
I.—GENERAL DISEASES.																																								
Group Total	88																																							
9. Diphtheria and croup	1																																							
10. Influenza	57																																							
11. Typhoid fever	1																																							
12. Dysentery	1																																							
13. Erysipelas	1																																							
Total deaths from tuberculosis	13																																							
28. Tuberculosis of the lungs.	11																																							
29. Acute military tuberculosis	1																																							
31. Abdominal tuberculosis	1																																							
40. Cancer and other malignant tumors of the stomach, liver	3																																							
42. Cancer and other malignant tumors of the female genital organs	3																																							
43. Cancer and other malignant tumors of the breast	1																																							
45. Cancer and other malignant tumors of other organs or of organs not specified	3																																							
47. Acute articular rheumatism	1																																							
48. Chronic rheumatism and gout	2																																							
50. Diabetes	1																																							
51. Exophthalmic goitre	1																																							
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																								
Group Total	26																																							
62. Locomotor ataxia	1																																							
64. Cerebral hemorrhage, apoplexy	9																																							
66. Paralysis without specified cause	2																																							
67. General paralysis of the insane	1																																							
68. Other forms of mental alienation	1																																							
69. Epilepsy	2																																							
71. Convulsions of infants	10																																							

VI.—NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ADNEXA.												
120. Bright's disease	1	5	2	6	2	2	15	6	21	6	15	21
126. Diseases of the prostate	1	5	2	6	2	2	13	6	19	5	11	19
Group Total	2	10	4	12	4	4	28	12	40	11	22	40
VII.—THE PUERPERAL STATE.												
134. Accidents of pregnancy	1	3	1	4	1	1	10	1	1	1	1	1
136. Other accidents of labor	1	1	1	2	1	1	7	1	2	1	2	2
137. Puerperal septicemia	1	1	1	2	1	1	7	1	2	1	2	2
138. Puerperal albuminuria and convulsions	1	1	1	2	1	1	7	1	2	1	2	2
Group Total	4	6	4	13	4	4	38	4	7	4	7	7
VIII.—DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.												
142. Gangrene	1	1	1	2	1	1	7	1	2	1	2	2
144. Acute abscess	1	1	1	2	1	1	7	1	2	1	2	2
145. Other diseases of the skin and annexa	1	1	1	2	1	1	7	1	2	1	2	2
Group Total	3	3	3	6	3	3	21	3	6	3	6	6
IX.—DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION.												
146. Diseases of the bones (tuberculosis excepted)	1	1	1	2	1	1	7	1	2	1	2	2
Group Total	1	1	1	2	1	1	7	1	2	1	2	2
X.—CONGENITAL MALFORMATIONS.												
150. Congenital malformations (still-births not included)	2	2	2	4	2	2	14	2	4	2	4	4
Group Total	2	2	2	4	2	2	14	2	4	2	4	4
XI.—DISEASES OF EARLY INFANCY.												
151. Congenital debility, icterus, and scleroma	136	136	136	272	136	136	804	136	272	136	272	272
154. XII.—OLD AGE.	136	136	136	272	136	136	804	136	272	136	272	272
Group Total	272	272	272	544	272	272	1608	272	544	272	544	544
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.												
159. Suicide by firearms	19	1	1	2	1	1	7	2	4	2	4	4
160. Suicide by cutting or piercing instruments	1	1	1	2	1	1	7	1	2	1	2	2
167. Burns (conflagration excepted)	1	1	1	2	1	1	7	1	2	1	2	2
169. Accidental drowning	1	1	1	2	1	1	7	1	2	1	2	2

V.—DISEASES OF THE DIGESTIVE SYSTEM.												
Group Total												
102.	Ulcer of the stomach	1	1	1	1	1	1	1	1	1	1	2
103.	Dyspepsia and enteritis (under 2 years)	2	2	2	2	2	2	2	2	2	2	1
108.	Appendicitis and typhlitis	2	1	1	1	1	1	1	1	1	1	1
109.	Hernia, inguinal and obstructions	1	1	1	1	1	1	1	1	1	1	1
110.	Diseases of the intestines	1	1	1	1	1	1	1	1	1	1	1
VI.—NON-VEGETAL DISEASES OF THE GENITO-URINARY SYSTEM AND ADNEXA.												
Group Total												
121.	Diseases of the bladder	1	1	1	1	1	1	1	1	1	1	1
VII.—THE PUERPERAL STATE.												
Group Total												
136.	Other accidents of labor	1	1	1	1	1	1	1	1	1	1	1
138.	Puerperal albuminuria and convulsions	1	1	1	1	1	1	1	1	1	1	1
XI.—DISEASES OF EARLY INFANCY.												
Group Total												
151.	Congenital debility, icterus, and sclerema	15	15	15	15	15	15	15	15	15	15	16
154.	XII.—Old Age.	15	15	15	15	15	15	15	15	15	15	16
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES												
Group Total												
159.	Suicide by firearms	6	6	6	6	6	6	6	6	6	6	1
165.	Other acute poisonings	9	9	9	9	9	9	9	9	9	9	1
169.	Accidental drowning	3	3	3	3	3	3	3	3	3	3	1
175.	Traumatism by other crushing	2	2	2	2	2	2	2	2	2	2	1
(a)	Railroad	2	2	2	2	2	2	2	2	2	2	1
(b)	Street car	1	1	1	1	1	1	1	1	1	1	1
(c)	Automobile	1	1	1	1	1	1	1	1	1	1	1
(d)	Other crushing	1	1	1	1	1	1	1	1	1	1	1
185.	Fractures (cause not specified)	3	3	3	3	3	3	3	3	3	3	1
XIV.—ILL-DEIGNED DISEASES.												
Group Total												
189.	Cause of death not specified or ill defined	2	2	2	2	2	2	2	2	2	2	1
STILL-BORN.												
Group Total												
Not included in totals												

CAUSES OF DEATH IN THE COUNTY OF RENFREW, 1918 (PEMBROKE NOT INCLUDED).

OFFICIAL ENGLISH TRANSLATION.
DISEASES AND CAUSES OF DEATH.

Number of Columns.

	Ages.													Sex.			Nativity.			Social Con.			Months.																										
														Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.															
	0-1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38										
Total.	64	8	11	4	4	10	21	27	53	45	33	33	32	53	53	4	224	204	...	355	71	2	200	224	...	40	30	31	20	26	27	27	31	31	30	30	31	36	36	25									
Grand Total	127	18	28	12	12	27	53	53	53	45	33	33	32	53	53	4	224	204	...	355	71	2	200	224	...	40	30	31	20	26	27	27	31	31	30	30	31	36	36	25									
I.—GENERAL DISEASES.																																																	
Group Total																																																	
1. Typhoid fever																																																	
7. Scarlet fever																																																	
8. Whooping cough																																																	
9. Diphtheria and croup																																																	
10. Influenza																																																	
14. Dysentery																																																	
18. Erysipelas																																																	
Total deaths from tuberculosis																																																	
28. Tuberculosis of the lungs																																																	
30. Tuberculous meningitis																																																	
39. Cancer and other malignant tumors of the buccal cavity																																																	
40. Cancer and other malignant tumors of the stomach liver																																																	
41. Cancer and other malignant tumors of the peritoneum, intestines, rectum																																																	
42. Cancer and other malignant tumors of the female genital organs																																																	
43. Cancer and other malignant tumors of the breasts																																																	
45. Cancer and other malignant tumors of other organs or of organs not specified																																																	
47. Acute articular rheumatism																																																	
48. Chronic rheumatism and gout																																																	
50. Diabetes																																																	
51. Exophthalmic goitre																																																	
54. Anæmia, chlorosis																																																	
55. Other general diseases																																																	
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																																	
Group Total																																																	
61. Meningitis																																																	
63. Other diseases of the spinal cord																																																	

RENFREW.—Continued.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
VIII.—DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.																																							
Group Total	4	2											1								1			2															
112. Gangrene	2												2								2																		
144. Acute abscess	2												2								2																		
X.—CONGENITAL MALFORMATIONS.																																							
Group Total	1																				1																		
150. Congenital malformations (still-births not included)	1																				1																		
XI.—DISEASES OF EARLY INFANCY.																																							
Group Total	39	39											22	17							39			39															
151. Congenital debility, icterus, and sclerema	39	39											22	15							39			39															
154. XII.—Old Age.																																							
Group Total	42												25	15							21	21			5	37													
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																																							
Group Total	21	21											18	3							18	3			11	10													
157. Suicide by hanging or strangulation	1												1								1																		
167. Burns (conflagration excepted)	2												1								2																		
169. Accidental drowning	5												5								5																		
174. Traumatism by machines	1												1								1																		
175. Traumatism by other crushing	1												1								1																		
(a) Railroad																																							
(b) Street car																																							
(c) Automobile																																							
(d) Other crushing																																							
180. Lightning	2												2								2																		
182. Homicide by firearms	3												3								3																		
185. Fractures (cause not specified)	3												2								2																		
186. Other external violence	5												5								5																		
XIV.—ILL-DEFINED DISEASES.																																							
Group Total	5												3								3																		
189. Cause of death not specified or ill-defined	5												3								3																		
Still-Births.																																							
Not included in totals	37	37											19	18							37				2	5	2	2	5	1	3	2	3	3	4				

CAUSES OF DEATH IN THE CITY OF BRANTFORD, 1918.

OFFICIAL ENGLISH TRANSLATION.
DISEASES AND CAUSES OF DEATH.

Number of Column.

Total.

DISEASES AND CAUSES OF DEATH.	Ages.													Sex.		Nativity.		Social Con.		Months.																							
	Ages.													Male.	Female.	Canada.	Foreign.	Not stated.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.											
	Under 1.	1-3.	4-5.	6-7.	8-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.																				80 and over.	Not stated.									
1	23	15	4	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39			
576	82	23	15	4	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39		
Grand Total	247	174	8	3	3	3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
I.—GENERAL DISEASES.																																											
1. Typhoid fever																																											
5. Smallpox																																											
6. Measles																																											
8. Whooping cough																																											
9. Diphtheria and croup																																											
10. Tetanus																																											
11. Dysentery																																											
20. Parent infection and septicæmia																																											
Total deaths from tuberculosis																																											
28. Tuberculosis of the lungs																																											
29. Acute military tuberculosis																																											
30. Tuberculous meningitis																																											
31. Abdominal tuberculosis																																											
36. Bilectes																																											
40. Cancer and other malignant tumors of the																																											
42. Cancer and other malignant tumors of the female genital organs																																											
43. Cancer and other malignant tumors of the breast																																											
45. Cancer and other malignant tumors of other organs or of organs of specified																																											
47. Acute articular rheumatism																																											
48. Chronic rheumatism and gout																																											
50. Diabetic rheumatism and gout																																											
51. Exophthalmic goitre																																											
53. Leucæmia																																											
54. Anæmia chlorosis																																											
55. Other general diseases																																											
56. Alcoholism (acute or chronic)																																											

BRANTFORD—Continued.

Table with 30 columns (1-30) and rows grouped by system: I. DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE; III. DISEASES OF THE CIRCULATORY SYSTEM; IV. DISEASES OF THE RESPIRATORY SYSTEM; V. DISEASES OF THE DIGESTIVE SYSTEM. Each row lists a disease number and name, followed by counts in columns 1-30 and a 'Group Total' column.

I.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.

Group I table with 12 rows: 60. Encephalitis, 61. Meningitis, 62. Other diseases of the spinal cord, 63. Cerebral hemorrhage, apoplexy, 64. Paralysis without specified cause, 65. Epilepsy, 66. Convulsions of infants, 67. Chorea, 68. Diseases of the eyes and their annexa, 69. Diseases of the ears.

III.—DISEASES OF THE CIRCULATORY SYSTEM.

Group III table with 5 rows: 78. Acute endocarditis, 79. Organic diseases of the heart, 80. Angina pectoris, 81. Diseases of the arteries, atheroma, aneurysm, etc., 82. Embolism and thrombosis, 83. Hemorrhage; other diseases of the circulatory system.

IV.—DISEASES OF THE RESPIRATORY SYSTEM.

Group IV table with 6 rows: 89. Acute bronchitis, 90. Chronic bronchitis, 91. Broncho-pneumonia, 92. Pneumonia, 93. Pulmonary congestion, pulmonary apoplexy, 94. Gangrene of the lung, 95. Asthma.

V.—DISEASES OF THE DIGESTIVE SYSTEM.

Group V table with 12 rows: 102. Ulcer of the stomach, 103. Other diseases of the stomach (cancer excepted), 104. Diarrhoea and enteritis (under 2 years), 105. Diarrhoea and enteritis (2 years and over), 106. Appendicitis and typhlitis, 107. Hernia, intestinal obstructions, 108. Diseases of the intestines, 109. Biliary calculi, 110. Simple peritonitis (non-puerperal).

CAUSES OF DEATH IN THE CITY OF CHATHAM, 1918.

DISEASES AND CAUSES OF DEATH.	Agcs.												Sex.		Nationality.		Social Con.		Months.																																																	
	Under 1.												Male.	Female.	Canada.	Foreign.	Not stated.	Single.	Married.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.																																					
	0	1-1	2	3	4	5	6	7	8	9	10	11																				12	13	14	15	16	17	18	19	20	21	22	23	24	25																							
Total.	33	4	4	3	2	2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38																									
Number of Column.	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3																										
Grand Total												145	238	220	63	106	177	17	21	17	22	17	15	12	12	24	34	17	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25															
I.—GENERAL DISEASES.																																																																				
Group Total																							103																																													
1. Typhoid fever																																																																				
2. Measles																																																																				
3. Whooping cough																																																																				
4. Diphtheria and croup																																																																				
5. Influenza																																																																				
6. Glanders																																																																				
7. Tetanus																																																																				
Total deaths from tuberculosis																							15																																													
28. Tuberculosis of the lungs																							14																																													
29. Rickets																							1																																													
39. Cancer and other malignant tumors of the buccal cavity																							1																																													
40. Cancer and other malignant tumors of the stomach, liver																							2																																													
41. Cancer and other malignant tumors of the peritonium, intestines, rectum																							5																																													
42. Cancer and other malignant tumors of the female genital organs																							2																																													
43. Cancer and other malignant tumors of the breast																							1																																													
45. Cancer and other malignant tumors of other organs or of organs not specified																							1																																													
48. Chronic rheumatism and gout																							1																																													
50. Diabetes																							1																																													
51. Anemia, chlorosis																							2																																													
55. Other general diseases																							2																																													
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																																																				
Group Total																							16																																													
64. Cerebral hemorrhage, apoplexy																							8																																													
66. Paralysis without specified cause																							8																																													

CAUSES OF DEATH IN THE CITY OF FORT WILLIAM, 1918.

OFFICIAL ENGLISH TRANSLATION. DISEASES AND CAUSES OF DEATH.	Ages.													Sex.			Nativity.			Social Con.			Months.															
	Total.													Male.		Female.	Canada.		Foreign.	Not stated.		Single.	Married.		Not stated.													
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Number of Column.																																						
Grand Total	300																																					
I.—GENERAL DISEASES.																																						
Group Total	132																																					
7. Scarlet fever	3																																					
8. Whooping cough	3																																					
9. Diphtheria and croup	1																																					
10. Influenza	47																																					
14. Dysentery	1																																					
20. Purulent infection and septicæmia	1																																					
Total deaths from tuberculosis	11																																					
28. Tuberculosis of the lungs	11																																					
39. Cancer and other malignant tumors of the buccal cavity	1																																					
40. Cancer and other malignant tumors of the stomach, liver	2																																					
41. Cancer and other malignant tumors of the peritoneum, intestines, rectum	1																																					
43. Cancer and other malignant tumors of the breast	1																																					
44. Cancer and other malignant tumors of the skin	1																																					
45. Cancer and other malignant tumors of other organs or of organs not specified	2																																					
46. Other tumors (tumors of the female genital organs excepted)	1																																					
47. Acute articular rheumatism	1																																					
48. Chronic rheumatism and gout	2																																					
53. Leuchæmia	1																																					
54. Anæmia, chlorosis	1																																					
55. Other general diseases	1																																					
Group Total	16																																					
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																						
60. Encephalitis	1																																					
61. Meningitis	8																																					

HAMILTON—Continued.

Table with columns 1-21 and rows listing diseases like Chronic rheumatism and gout, Diabetes, etc., and summary sections III. and IV. Diseases of the circulatory and respiratory systems. Includes 'Group Total' and 'DISEASES OF THE RESPIRATORY SYSTEM'.

CAUSES OF DEATH IN THE CITY OF KINGSTON, 1918.

OFFICIAL ENGLISH TRANSLATION. DISEASES AND CAUSES OF DEATH.	Number of Column.	Ages.														Sex.		Nativity.			Social Con.		Months.																														
		Under 1.		1-4.		5-9.		10-14.		15-19.		20-29.		30-39.		40-49.		50-59.		60-69.		70-79.		80 and over.		Male.		Female.		Canada.		Foreign.		Not stated.		Single.		Married.		Not stated.		January, February, March, April, May, June, July, August, September, October, November, December.											
		0-1.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Total.		69	14	10	6	6	8	23	10	23	84	42	64	74	52	14	305	277	473	92	17	278	280	24	42	33	49	39	37	37	38	31	36	36	147	402																	
Grand Total	582	69	14	10	6	6	8	23	10	23	84	42	64	74	52	14	305	277	473	92	17	278	280	24	42	33	49	39	37	38	31	36	36	147	402																		
I.—GENERAL DISEASES.																																																					
Group Total																																																					
1. Typhoid fever																																																					
2. Measles																																																					
3. Scarlet fever																																																					
4. Whooping cough																																																					
5. Diphtheria and croup																																																					
6. Influenza																																																					
7. Erysipelas																																																					
8. Other epidemic diseases.																																																					
9. Purulent infection and septicæmia																																																					
Total deaths from tuberculosis																																																					
28. Tuberculosis of the lungs																																																					
29. Acute military tuberculosis																																																					
30. Tuberculous meningitis																																																					
31. Abdominal tuberculosis																																																					
32. Cancer and other malignant tumors of the buccal cavity																																																					
33. Cancer and other malignant tumors of the stomach, liver																																																					
34. Cancer and other malignant tumors of the peritoneum, intestines, rectum																																																					
35. Cancer and other malignant tumors of the female genital organs																																																					
36. Cancer and other malignant tumors of the breast																																																					
37. Cancer and other malignant tumors of the skin																																																					
38. Cancer and other malignant tumors of other organs or of organs not specified																																																					
39. Chronic rheumatism and gout																																																					
40. Diabetes																																																					
41. Exophthalmic goitre																																																					
42. Leucæmia																																																					
43. Anæmia, chlorosis																																																					

LONDON—Concluded.

Number of Column.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38							
154.	XII.—OLD AGE.																																													
	Group Total	70												8	20	42			32	38		40	38	1		8	61	1	7	6	6	4	4	2	7	7	5	10	3	9						
	XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																																													
	Group Total	31		1	2	1	4		3	5	1	4	2	9	3			22	11		22	11				16	18		2	4	5	4		4	5	2	1	5	1	1						
	155. Suicide by poison	1																	1			1																								
	156. Suicide by asphyxia	1																	1																											
	157. Suicide by hanging or strangulation	2																	2																											
	158. Suicide by cutting or piercing instruments	1																	1																											
	159. Other acute poisonings	4		1															3			2	1				3	1																		
	160. Burns (conflagration excepted)	5			2	1													2	3		5	1				5	1																		
	169. Accidental drowning	2																	2			2	2				1	2																		
	172. Traumatism by fall	2																	2			2	2				1	2																		
	175. Traumatism by other crushing	4					2		2										4			4					3	1																		
	(a) Railroad	3					1		2										3			2					2	1																		
	(b) Street car	1																	1			1					1																			
	(c) Automobile	1																	1			1					1																			
	(d) Other crushing	1																	1			1					1																			
	178. Excessive cold	1																	1			1					1																			
	184. Homicide by other means	8																	3	5		2	5				1	5	1																	
	186. Other external violence	3																	3			1	2				1	2																		
	XIV.—ILL-DEFINED DISEASES.																																													
	Group Total	7		3	1							2	1					4	3		6	1				5	1																			
	188. Sudden death	1																	1			1					1																			
	189. Cause of death not specified or ill-defined	6		3	1													3	3		5	1				4	1																			
	STILL-BIRTHS.																																													
	Not included in totals	45	45															23	23		45					45			6	3	5	2	7	8	2	3	6	2								

X.—CONGENITAL MALFORMATIONS.																			
Group Total	12	12	12	12	12	12	7	12	12	12	12	12	12	12	12	12	12	12	
150. Congenital malformations (still-births not included)	12	12	12	12	12	12	5	7	12	12	12	12	12	12	12	12	12	12	12
XI.—DISEASES OF EARLY INFANCY.																			
Group Total	249	248	249	248	249	248	133	118	249	248	249	248	249	248	249	248	249	248	249
151. Congenital debility, icterus, and sclerema	248	248	248	248	248	248	132	118	248	248	248	132	118	248	248	248	132	118	248
153. Lack of care	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
154. XII.—OLD AGE.																			
Group Total	63	63	63	63	63	63	23	40	63	63	63	23	40	63	63	63	23	40	63
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																			
Group Total	71	71	71	71	71	71	48	23	71	71	71	48	23	71	71	71	48	23	71
157. Suicide by hanging or strangulation	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
158. Suicide by drowning	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
159. Suicide by firearms	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
160. Suicide by cutting or piercing instruments	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
165. Other acute poisonings	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
166. Conflagration	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
167. Burns (conflagration excepted)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
168. Absorption of deleterious gases (conflagration excepted)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
169. Accidental drowning	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
170. Traumatism by firearms	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
172. Traumatism by fall	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
175. Traumatism by other crushing	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
(a) Railroad	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
(b) Street car	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
(c) Automobile	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
(d) Other crushing	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
178. Excessive cold	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
180. Lightning	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
183. Homicide by cutting or piercing instruments	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
185. Fractures (cause not specified)	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
186. Other external violence	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
XIV.—ILL-DEFINED DISEASES.																			
Group Total	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
188. Sudden death	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
189. Cause of death not specified or ill-defined	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Not included in totals	145	145	145	145	145	145	87	92	145	145	145	87	92	145	145	145	87	92	145

CAUSES OF DEATH IN THE CITY OF PETERBOROUGH, 1918.

	Under 1.	Ages.									Sex.		Nativity.		Social Con.		Months.												Total.																	
		0-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		28	29	30	31	32	33	34	35	36	37	38						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.					
Number of Columns.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39						
Grand Total		33	32	30	38	38	26	26	16	32	44	44	53	53	37	2	164	168	233	96	3	133	195	4	26	29	33	39	43	29	25	18	13	17	31	35	36	37	38	28						
I.—GENERAL DISEASES.																																														
Group Total		104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104		
1. Typhoid fever																																														
6. Measles																																														
9. Diphtheria and croup																																														
10. Whooping cough																																														
14. Dysentery																																														
20. Paratyphoid infection and septicaemia																																														
26. Pellagra																																														
Total deaths from tuberculosis																																														
28. Tuberculosis of the lungs																																														
29. Acute military tuberculosis																																														
31. Abdominal tuberculosis																																														
33. White swelling																																														
40. Cancer and other malignant tumors of the stomach, liver																																														
41. Cancer and other malignant tumors of the peritoneum, intestines, rectum																																														
42. Cancer and other malignant tumors of the female genital organs																																														
43. Cancer and other malignant tumors of the breast																																														
44. Cancer and other malignant tumors of the skin																																														
45. Cancer and other malignant tumors of other organs or of organs not specified																																														
48. Chronic rheumatism and gout																																														
50. Diabetes																																														
51. Exophthalmic goitre																																														
54. Anemia, chlorosis																																														
55. Other general diseases																																														
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																														
Group Total		34	4	1	1	1	1	3	2	6	11	4	4	17	17	34	10	20	2	2	1	1	2	2	2	2	3	4	5	2	6	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
60. Encephalitis																																														

CAUSES OF DEATH IN THE CITY OF PORT ARTHUR, 1918.

OFFICIAL ENGLISH TRANSLATION.
DISEASES AND CAUSES OF DEATH.

Total.	Under 1.		Ages.									Sex.		Nativity.		Social Con.		Months.																																													
	0-1		1-4	5-9	10-14	15-19	20-29	30-39	40-49	50-59	60-69	70-79	80 and over.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.																													
	43	10	2	2	2	2	2	3	4	4	4	4	5	7	9	10	11	12	13	14	15	16	17	18	135	86	1	141	79	43	57	45	33	14	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38										
	221	6	2	1	2	4	3	4	4	4	4	5	5	7	11	12	13	14	15	15	15	16	17	17	17	70	35	1	61	43	70	70	1	20	20	20	20	20	20	21	21	21	22	22	23	23	23	24	24	25	25	26	27	28	29	30	31	32	33	34	35	36	37
Grand Total																																																															
I.—GENERAL DISEASES.																																																															
7. Scarlet fever																																																															
8. Whooping cough																																																															
9. Diphtheria and croup																																																															
10. Influenza																																																															
18. Erysipelas																																																															
Total deaths from tuberculosis																																																															
28. Tuberculosis of the lungs																																																															
29. Acute military tuberculosis																																																															
30. Tuberculous meningitis																																																															
32. Pott's disease																																																															
33. White swelling																																																															
36. Rickets																																																															
40. Cancer and other malignant tumors of the stomach, liver																																																															
41. Cancer and other malignant tumors of the peritoneum, intestines, rectum																																																															
42. Cancer and other malignant tumors of the female genital organs																																																															
45. Cancer and other malignant tumors of other organs or of organs not specified																																																															
47. Acute articular rheumatism																																																															
48. Chronic rheumatism and gout																																																															
51. Diabetes																																																															
51. Exophthalmic goitre																																																															
53. Leucæmia																																																															
54. Anæmia, chlorosis																																																															
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																																															
Group Total																																																															
61. Meningitis																																																															
63. Other diseases of the spinal cord																																																															
64. Cerebral hæmorrhage, apoplexy																																																															

IX.—DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION.												
Group Total	1	1	1	1	1	1	1	1	1	1	1	1
146. Diseases of the bones (tuberculosis excepted)												
X.—CONGENITAL MALFORMATIONS.												
Group Total	1	1	1	1	1	1	1	1	1	1	1	1
150. Congenital malformations (still-births not included)												
XI.—DISEASES OF EARLY INFANCY.												
Group Total	16	16	8	8	16	16	6	2	1	2	1	2
151. Congenital debility, icterus, and sclerema												
154. XII.—OLD AGE.												
Group Total	5	1	2	1	3	2	1	2	1	1	1	2
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.												
Group Total	9	1	1	2	1	1	1	7	2	3	6	3
165. Other acute poisonings												
167. Burns (contagion excepted)												
175. Traumatism by other crushing												
(a) Railroad												
(b) Street car												
(c) Automobile												
(d) Other crushing												
181. Electricity (lightning excepted)												
185. Fractures (cause not specified)												
XIV.—ILL-DEFINED DISEASES.												
Group Total	3	1	2	1	2	1	2	1	2	1	2	1
188. Sudden death												
189. Cause of death not specified or ill-defined												
STILL-BIRTHS.												
Not included in totals	27	27	17	10	27	27	5	1	6	3	1	2

CAUSES OF DEATH IN THE CITY OF ST. CATHARINES, 1918.

Number of Column.	Ages.													Sex.		Nativity.		Social Con.		Months.																											
	Ages.													Male.	Female.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.														
	Under 1.	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38									
Total.	55	6	0	0	0	2	12	4	9	33	52	26	31	36	36	46	79	17	186	157	253	89	150	188	5	23	22	17	19	27	24	16	24	23	35	36	37	38									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38										
343	123	2	2	2	2	7	1	2	18	29	11	10	9	12	2	1	61	59	89	74	150	89	50	72	1	1	1	4	5	10	5	4	1	3	38	26	45	61	23	42							
																								I.—GENERAL DISEASES.																							
Grand Total																								I.—GENERAL DISEASES.																							
Group Total																								I.—GENERAL DISEASES.																							
1. Typhoid fever																								I.—GENERAL DISEASES.																							
2. Scarlet fever																								I.—GENERAL DISEASES.																							
3. Whooping cough																								I.—GENERAL DISEASES.																							
4. Diphtheria and croup																								I.—GENERAL DISEASES.																							
5. Influenza																								I.—GENERAL DISEASES.																							
6. Tetanus																								I.—GENERAL DISEASES.																							
7. Total deaths from tuberculosis																								I.—GENERAL DISEASES.																							
8. Tuberculosis of the lungs																								I.—GENERAL DISEASES.																							
9. Tuberculous meningitis																								I.—GENERAL DISEASES.																							
10. Cancer and other malignant tumors of the stomach, liver																								I.—GENERAL DISEASES.																							
11. Cancer and other malignant tumors of the peritoneum, intestines, rectum																								I.—GENERAL DISEASES.																							
12. Cancer and other malignant tumors of the breast																								I.—GENERAL DISEASES.																							
13. Cancer and other malignant tumors of the skin																								I.—GENERAL DISEASES.																							
14. Cancer and other malignant tumors of other organs or of organs not specified																								I.—GENERAL DISEASES.																							
15. Chronic rheumatism and foot																								I.—GENERAL DISEASES.																							
16. Diabetes																								I.—GENERAL DISEASES.																							
17. Exophthalmic goitre																								I.—GENERAL DISEASES.																							
18. Leucæmia																								I.—GENERAL DISEASES.																							
19. Anæmia, chlorosis																								I.—GENERAL DISEASES.																							
20. Other general diseases																								I.—GENERAL DISEASES.																							
21. Group Total																								I.—GENERAL DISEASES.																							
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																								II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																							
22. Group Total																								II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																							
23. Epilepsia																								II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																							
24. Meningitis																								II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																							
25. Other diseases of the spinal cord																								II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																							

CAUSES OF DEATH IN THE CITY OF ST. THOMAS, 1918.

DISEASES AND CAUSES OF DEATH.	Ages.													Sex.		Nationality.		Social Con.		Months.																		
	Under 1.													Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.				
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.
Total.	39	6	2	1	1	1	1	1	3	4	29	18	29	20	43	145	134	.....	212	66	1	.....	101	176	2	28	12	25	17	24	19	5	15	17	58	25	34	
Number of Column.																																						
Grand Total	88																																					
I.—GENERAL DISEASES.																																						
1. Typhoid fever																																					
7. Scarlet fever																																					
10. Influenza																																					
20. Purulent infection and septicaemia																																					
Total deaths from tuberculosis																																					
28. Tuberculosis of the lungs																																					
30. Tuberculous meningitis																																					
40. Cancer and other malignant tumors of the stomach, liver, pancreas, and other organs																																					
41. Cancer and other malignant tumors of the peritoneum, intestines, rectum																																					
42. Cancer and other malignant tumors of the female genital organs																																					
44. Cancer and other malignant tumors of the skin																																					
45. Cancer and other malignant tumors of other organs or of organs not specified																																					
50. Diabetes																																					
51. Exophthalmic goitre																																					
53. Leucemia																																					
54. Anemia, chlorosis																																					
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																						
Group Total	26																																					
60. Encephalitis																																					
61. Meningitis																																					
63. Other diseases of the spinal cord																																					
64. Cerebral hemorrhage, apoplexy																																					
65. Softening of the brain																																					

XI.—DISEASES OF EARLY INFANCY.

Group Total	22	32	15	7	23	22	22	5	2	1	2	1	2	1	4	3
151. Congenital debility, icterus, and scleroma	32	32	15	7	22	22	22	5	2	1	2	1	2	1	4	3
154. XII.—OLD AGE.																
Group Total	18		10	8	10	8	17	4	1	2	2	1	3	1	1	1
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																
Group Total	13		9	4	11	2	5	1	3	2	2	1	2	1	2	2
160. Suicide by cutting or piercing instruments	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
165. Other acute poisonings	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
167. Burns (conflagration excepted)	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
168. Absorption of deleterious gases (conflagration excepted)	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
174. Traumatism by machines	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
175. Traumatism by other crushing	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
(a) Railroad	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
(b) Street car	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
(c) Automobile	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
(d) Other crushing	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
185. Fractures (cause not specified)	5		3	2	5	1	4	1	2	1	2	1	2	1	1	1
186. Other external violence	2		1	1	1	1	2	1	1	1	1	1	1	1	1	1
Group Total	19	19	8	11	19	19	19	1	2	3	1	2	1	2	3	1
Not included in totals																

STILL-BIRTHS.

CAUSES OF DEATH IN THE CITY OF SAULT STE. MARIE, 1918.

OFFICIAL ENGLISH TRANSLATION.
DISEASES AND CAUSES OF DEATH.

	Ages.												Sex.		Nativity.		Social Con.		Months.																						
	Under 1.	1-4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Male.	Female.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
Total.																																									
1	Number of Column.																																								
104	18	11	3	4	4	16	12	10	11	12	13	14	15	16	17	8	252	151	273	108	22	242	148	16	16	30	35	14	14	37	18	18	34	34	30	26	26	47	28	45
I.—GENERAL DISEASES.																																									
148	13	4	6	1	4	8	4	7	3	21	9	6	1	1	5	91	51	68	60	5	73	69	16	16	27	35	19	19	11	11	18	18	34	35	28	26	47	28	45	
Group Total																																									
1	Typhoid fever																																								
3	Measles																																								
12	Scarlet fever																																								
4	Whooping cough																																								
9	Diphtheria and croup																																								
50	Influenza																																								
20	Purulent infection and septicæmia																																								
35	Total deaths from tuberculosis																																								
16	Tuberculosis of the lungs																																								
29	Acute military tuberculosis																																								
3	Tuberculous meningitis																																								
3	Abdominal tuberculosis																																								
1	Tuberculosis of other organs																																								
35	Disseminated tuberculosis																																								
2	Rickets																																								
40	Cancer and other malignant tumors of the stomach, liver																																								
1	Cancer and other malignant tumors of the female genital organs																																								
2	Cancer and other malignant tumors of other organs or of organs not specified																																								
1	Diabetes																																								
3	Anæmia, chlorosis																																								
54	Alcoholism (acute or chronic)																																								
1	Alcoholism (acute or chronic)																																								
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																									
29	Group Total																																								
60	Encephalitis																																								
3	Meningitis																																								
62	Locomotor ataxia																																								
10	Cerebral hemorrhage, apoplexy																																								

CAUSES OF DEATH IN THE CITY OF STRATFORD, 1918.

Table with columns: Cause of Death, Total, Number of Column, Ages (0-1 to 80 and over), Sex (Male, Female, Not stated), Nativity (Canada, Foreign, Not stated), Social Con. (Single, Married, Not stated), Months (January to December). Includes sections I.—GENERAL DISEASES and II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.

OFFICIAL ENGLISH TRANSLATION. DISEASES AND CAUSES OF DEATH.

I.—GENERAL DISEASES.

Number of Column.

II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.

CAUSES OF DEATH IN THE CITY OF TORONTO, 1918.

DISEASES AND CAUSES OF DEATH	Age.												Sex.		Nationality.				Social Condition		Months.																									
	Total.												Male.	Female.	Canada.	Foreign.	Not stated.	Married.	Single.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.															
	1238	152	94	83	183	113	242	1051	1010	602	698	765	720	415	32	4034	3599	2	4738	2745	152	3544	4014	77	500	467	610	627	474	438	425	413	430	1884	732	617										
Grand Total	7635																																													
I.—GENERAL DISEASES.																																														
Group Total	2765																																													
1. Typhoid fever	15																																													
2. Malaria	38																																													
3. Scarcias	57																																													
4. Whooping cough	47																																													
5. Diphtheria and croup	1498																																													
6. Influenza	17																																													
7. Dysentery	18																																													
8. Erysipelas	2																																													
9. Other epidemic diseases	31																																													
10. Purulent infection and septicæmia	2																																													
11. Anthrax	2																																													
12. Tetanus	2																																													
13. Mycoses	2																																													
Total deaths from tuberculosis	365																																													
28. Tuberculosis of the lungs	240																																													
29. Acute miliary tuberculosis	47																																													
30. Tuberculous meningitis	10																																													
31. Abdominal tuberculosis	10																																													
32. Wolf's disease	3																																													
33. White swelling	3																																													
34. Tuberculosis of other organs	4																																													
35. Disseminated tuberculosis	2																																													
36. Rickets	42																																													
37. Syphilis	1																																													
38. Gonococous infection	1																																													
39. Cancer and other malignant tumors of the buccal cavity	20																																													
40. Cancer and other malignant tumors of the stomach, liver	127																																													
41. Cancer and other malignant tumors of the peritoneum, intestines, rectum	55																																													
42. Cancer and other malignant tumors of the female genital organs	39																																													

Number of Column.

OFFICIAL ENGLISH TRANSLATION. DISEASES AND CAUSES OF DEATH

WELLAND—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38				
XI.—DISEASES OF EARLY INFANCY.																																										
Group Total	19	19																9	10		19			15			2	3	3	1	1	2	1	2	1	2	1					
151. Congenital debility, icterus, and sclerema	18	18																9	9		18			18			2	3	3	1	1	2	1	2	1	2	1					
153. Lack of care	1	1																	1			1			1																	
154. XII.—OLD AGE.																																										
Group Total	2	2																1	2		2																					
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																																										
Group Total	9	9				1	1	1		5	1							7	1	1	3	5	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2		
166. Conflagration	1	1																																								
167. Burns (conflagration excepted)	2	2																																								
169. Accidental drowning	1	1																																								
185. Fractures (cause not specified)	1	1																																								
186. Other external violence	4	4																																								
Not included in totals	12	12																6	6		12			12			3	1	2	2	1	2	1	2	1	2	1	2	1	1	1	1

STILL-BIRTHS.

BARRIE—Concluded.

Number of Column.	Number of Column.																																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
IV.—DISEASES OF THE RESPIRATORY SYSTEM.																																								
Group Total	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
91. Broncho-pneumonia	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
92. Pneumonia	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
93. Pleurisy	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
94. Pulmonary congestion, pulmonary apoplexy	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
96. Asthma	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
V.—DISEASES OF THE DIGESTIVE SYSTEM.																																								
Group Total	7	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
104. Diarrhoea and enteritis (under 2 years)	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
108. Appendicitis and typhitis	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
110. Diseases of the intestines	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
VI.—NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ADNEXA.																																								
Group Total	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
119. Acute nephritis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
120. Bright's disease	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
132. Saprognitis and other diseases of the female genital organs	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
XI.—DISEASES OF EARLY INFANCY.																																								
Group Total	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
151. Congenital debility, icterus, and sclerema	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
154. XII.—OLD AGE.																																								
Group Total	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																																								
Group Total	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
185. Fractures (cause not specified)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Not included in totals	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

STILL-BIRTHS.

X.—CONGENITAL MALFORMATIONS.

Group Total 2
 150. Congenital malformations (still-births not included) 2

XI.—DISEASES OF EARLY INFANCY.

Group Total 6
 151. Congenital debility, icterus, and sclerema 6

XII.—OLD AGE.

Group Total 12

XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.

Group Total 6
 156. Suicide by asphyxia 1
 157. Burns (conflagration excepted) 1
 158. Absorption of deleterious gases (conflagration excepted) 1
 159. Accidental drowning 1
 175. Traumatism by other crushing
 (a) Railroad 1
 (b) Street car 1
 (c) Automobile 1
 (d) Other crushing 1
 185. Fractures (cause not specified) 1

STILL-BIRTHS.

Not included in totals 22

CAUSES OF DEATH IN THE TOWN OF LINDSAY, 1918.

OFFICIAL ENGLISH TRANSLATION.
DISEASES AND CAUSES OF DEATH.

Number of Columns.

DISEASES AND CAUSES OF DEATH.	Ages.													Sex.			Nativity.			Social Con.		Months.																		
	Under 1.												Not stated.	Male.		Female.	Canada.		Foreign.	Not stated.		Single.	Married.	Not stated.																
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	73.	18.	59.	114.	18.	23.	50.	81.	1.	7.	25.	26.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.
Total.	10	3	3	3	4	5	6	7	8	9	10	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	132																																							
I.—GENERAL DISEASES.																																								
Group Total	41																																							
1. Typhoid fever	1																																							
9. Diphtheria and croup	2																																							
10. Influenza	13																																							
20. Purulent infection and septicaemia	1																																							
Total deaths from tuberculosis	6																																							
28. Tuberculosis of the lungs	3																																							
31. Abdominal tuberculosis	1																																							
39. Cancer and other malignant tumors of the buccal cavity	1																																							
40. Cancer and other malignant tumors of the stomach, liver	2																																							
41. Cancer and other malignant tumors of the peritoneum, intestines, rectum	2																																							
43. Cancer and other malignant tumors of the breast	2																																							
44. Cancer and other malignant tumors of the skin	1																																							
45. Cancer and other malignant tumors of other organs or of organs not specified	3																																							
48. Chronic rheumatism and gout	1																																							
50. Diabetes	1																																							
51. Exophthalmic goitre	1																																							
54. Anæmia, chlorosis	1																																							
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																								
Group Total	22																																							
61. Meningitis	2																																							
62. Locomotor ataxia	10																																							
64. Cerebral hemorrhage, apoplexy	1																																							
65. Softening of the brain	1																																							
66. Paralysis without specified cause	1																																							
68. Other forms of mental alienation	1																																							
74. Other diseases of the nervous system	1																																							

XI.—DISEASES OF EARLY INFANCY.												
Group Total	7	7	7	7	7	6	1	1	7	7	2	1
151. Congenital debility, icterus, and sclerema	7	7	7	7	7	6	1	1	7	7	2	1
XII.—OLD AGE.												
Group Total	7	7	3	4	4	3	2	5	6	1	1	1
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.												
Group Total	7	7	3	1	5	2	2	6	4	3	1	1
167. Burns (conflagration excepted)	1	1	1	1	1	1	1	1	1	1	1	1
169. Accidental drowning	1	1	1	1	1	1	1	1	1	1	1	1
172. Traumatism by fall	1	1	1	1	1	1	1	1	1	1	1	1
175. Traumatism by other crushing	1	1	1	1	1	1	1	1	1	1	1	1
(a) Railroad	1	1	1	1	1	1	1	1	1	1	1	1
(b) Street car	1	1	1	1	1	1	1	1	1	1	1	1
(c) Automobile	1	1	1	1	1	1	1	1	1	1	1	1
(d) Other crushing	1	1	1	1	1	1	1	1	1	1	1	1
185. Fractures (cause not specified)	3	3	1	1	1	2	3	3	2	1	1	1
XIV.—ILL-DEFINED DISEASES.												
Group Total	1	1	1	1	1	1	1	1	1	1	1	1
189. Cause of death not specified or ill-defined	1	1	1	1	1	1	1	1	1	1	1	1
STILL-BIRTHS.												
Not included in totals	4	4	4	4	2	2	4	4	4	4	4	2

IV.—DISEASES OF THE RESPIRATORY SYSTEM.																													
Group Total	39	8	3	1	1	4	10	2	3	2	3	1	1	21	15	35	6	22	17	1	1	7	3	1	16	9	1		
91. Broncho-pneumonia	35	7	3	1	1	1	10	2	3	1	2	1	1	22	13	21	1	20	15	1	1	6	2	1	15	8	1		
92. Pneumonia	35	7	3	1	1	1	10	2	3	1	2	1	1	22	13	21	1	20	15	1	1	6	2	1	15	8	1		
96. Asthma	1																												
V.—DISEASES OF THE DIGESTIVE SYSTEM.																													
Group Total	6	1	2		2					1				1	2	6		5	1						2	5			
104. Diarrhea and enteritis (under 2 years)	3	1	2											2	1	2		3	1						1	2			
105. Diarrhea and enteritis (2 years and over)	1									1						1		1							1	1			
108. Appendicitis and typhitis	1									1						1		1							1	1			
117. Simple peritonitis (non-puerperal)	1									1						1		1							1	1			
VI.—NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA.																													
Group Total	2									2				1	1	2		2							1	1			
120. Bright's disease	1													1		1		1							1	1			
122. Other diseases of the kidneys and annexa	1									1						1		1							1	1			
VIII.—DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.																													
Group Total	2													1	1	1		2							1	1			
142. Gangrene	2													1	1	1		2							1	1			
X.—CONGENITAL MALFORMATIONS.																													
Group Total	1	1												1		1		1							1	1			
150. Congenital malformations (still-births not included)	1	1												1		1		1							1	1			
XI.—DISEASES OF EARLY INFANCY.																													
Group Total	15	15												8	7	15		15							1	1	1	1	2
151. Congenital debility, icterus, and sclerema	15	15												8	7	15		15							1	1	1	1	2
154. XII.—OLD AGE.	3													2	1	1		2							1	1			
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																													
Group Total	7	1								3				7		7		3							2	1			
165. Other acute poisonings	2	1								1				2		2		1							1	1			
169. Accidental drowning	1									1				1		1		1							1	1			
185. Fractures (cause not specified)	2									2				2		2		2							1	1			
186. Other external violence	2									2				2		2		1							1	1			
STILL-BIRTHS.																													
Not included in totals	13													8	5	13		13							7	7			

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
Number of Column.																																								
III.—DISEASES OF THE CIRCULATORY SYSTEM.																																								
Group Total	25						1	3	3	2	1	8	4	17	8					13	12			5	20			1	3	3	1		1	2	1	2	1	3		
79. Organic diseases of the heart																																								
81. Diseases of the arteries, atheroma, aneurysm, etc.	16						3	3	2	2	5	1	9	7						9	7			4	12			2	2	1		2	1		2	1	2	1	1	
83. Diseases of the veins (varices, hemorrhoids, phlebitis, etc.)	8										2	3	3	7	1					3	5					8			1	1		1								
Group Total	1																			1																				
IV.—DISEASES OF THE RESPIRATORY SYSTEM.																																								
Group Total	46	3	2	1		1	5	18	4	6		1	2	1	29	17				34	15			25	24			1	1		1	2					29	8	4	
91. Broncho-pneumonia	1																																							
92. Pneumonia	10	2	1	1		1	5	18	1	4		1	1	1	24	16				28	12			23	17			1	1		1	1		1			25	8	4	
94. Pulmonary congestion, pulmonary apoplexy	1																																							
96. Asthma	1																																							
Group Total	10	6	1			1	1	1		1		1		4	6					10				7	3			1	3		1	2					2	3	1	
V.—DISEASES OF THE DIGESTIVE SYSTEM.																																								
Group Total	7	6	1												3	4				7				7				1	1		1	2						2	1	
104. Diarrhea and enteritis (under 2 years)	1																																							
105. Diarrhea and enteritis (2 years and over)	1																																							
109. Hernia, intestinal obstructions	2																			2																				
Group Total	2	1				1								2	2					2				2				1	1		1	1								
VI.—NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA.																																								
Group Total	2	1				1								2	2					2				2				1	1		1	1								
119. Acute nephritis																																								
VII.—THE PUERPERAL STATE.																																								
Group Total	1														1					1								1												
134. Accidents of pregnancy	1														1					1								1												
X.—CONGENITAL MALFORMATIONS.																																								
Group Total	2														2					2				2				1												
150. Congenital malformations (still-births not included)	2														2					2				2				1												
XI.—DISEASES OF EARLY INFANCY.																																								
Group Total	23	23												14	9					23				23				2	4	3	2		2				3	3	1	
151. Congenital debility, icterus, and sclerema	23	23												11	9					23				23				2	4	3	2		2				3	3	1	

CAUSES OF DEATH IN THE TOWN OF OWEN SOUND, 1918.

OFFICIAL ENGLISH TRANSLATION. DISEASES AND CAUSES OF DEATH.	Total.	Ages.										Sex.		Nativity.		Social Con.			Months.																																																	
		Under 1.		3-5	6-7	8	9	10-14	15-19	20-29	30-39	40-49	50-59	60-69	70-79	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																						
		0-1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50																	
Grand Total	174																															123	49	2	65	108	1																													
I.—GENERAL DISEASES.																																																																				
Group Total	53																																																																			
1. Typhoid fever	1																																																																			
9. Diphtheria and croup	1																																																																			
10. Influenza	22																																																																			
20. Purulent infection and septicaemia	1																																																																			
Total deaths from tuberculosis	8																																																																			
28. Tuberculosis of the lungs	6																																																																			
30. Tuberculous meningitis	1																																																																			
31. Abdominal tuberculosis	1																																																																			
40. Cancer and other malignant tumors of the stomach, liver, peritoneum, intestines, rectum	2																																																																			
41. Cancer and other malignant tumors of the organs or of organs not specified	3																																																																			
45. Cancer and other malignant tumors of other organs	4																																																																			
48. Chronic rheumatism and gout	2																																																																			
50. Diabetes	2																																																																			
51. Exophthalmic Goitre	1																																																																			
54. Anemia, chlorosis	1																																																																			
56. Alcoholism (acute or chronic)	1																																																																			
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																																																				
Group Total	11																																																																			
64. Cerebral hemorrhage, apoplexy	1																																																																			
66. Paralysis without specified cause	5																																																																			
71. Convulsions of infants	2																																																																			
74. Other diseases of the nervous system	1																																																																			
76. Diseases of the ears	1																																																																			
III.—DISEASES OF THE CIRCULATORY SYSTEM.																																																																				
Group Total	39																																																																			
79. Organic diseases of the heart	30																																																																			
80. Angina pectoris	1																																																																			

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
III.—DISEASES OF THE CIRCULATORY SYSTEM.																																							
Group Total	18																																						
78. Acute endocarditis	1																																						
79. Organic diseases of the heart	15																																						
81. Diseases of the arteries, aneurysm, etc.	3																																						
82. Embolism and thrombosis	1																																						
IV.—DISEASES OF THE RESPIRATORY SYSTEM.																																							
Group Total	20																																						
89. Acute bronchitis	2																																						
91. Broncho-pneumonia	1																																						
92. Pneumonia	16																																						
94. Pulmonary congestion, pulmonary apoplexy	1																																						
V.—DISEASES OF THE DIGESTIVE SYSTEM.																																							
Group Total	17																																						
100. Diseases of the pharynx	2																																						
103. Other diseases of the stomach (cancer excepted)	1																																						
104. Diarrhoea and enteritis (under 2 years)	8																																						
105. Diarrhoea and enteritis (2 years and over)	1																																						
108. Appendicitis and typhlitis	1																																						
109. Hernia, intestinal obstructions	1																																						
110. Diseases of the intestines	1																																						
116. Diseases of the spleen	1																																						
117. Simple peritonitis (non-puerperal)	1																																						
VI.—NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ADNEXA.																																							
Group Total	2																																						
119. Acute nephritis	1																																						
120. Bright's disease	1																																						
VII.—THE PUERPERAL STATE.																																							
Group Total	2																																						
138. Puerperal albuminuria and convulsions	2																																						
X.—CONGENITAL MALFORMATIONS.																																							
Group Total	1																																						
150. Congenital malformations (still-births not included)	1																																						

IV.—DISEASES OF THE RESPIRATORY SYSTEM.

Group Total	15	5	1	1	1	1	1	1	2	1	1	6	14	1	10	5	2	3	1	1	2	2	3	1
87. Diseases of the larynx	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
91. Broncho-pneumonia	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
92. Pneumonia	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
94. Pulmonary congestion, pulmonary apoplexy	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
95. Gangrene of the lung	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

V.—DISEASES OF THE DIGESTIVE SYSTEM.

Group Total	12	5	1	1	1	1	1	1	1	1	1	6	10	2	8	4	1	1	1	1	1	1	1	4
104. Diarrhoea and enteritis (under 2 years)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
105. Diarrhoea and enteritis (2 years and over)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
108. Appendicitis and typhlitis	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
109. Hernia, intestinal obstructions	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
117. Simple peritonitis (non-puerperal)	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

VI.—NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA.

Group Total	4	1	1	1	1	1	1	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1
119. Acute nephritis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
120. Bright's disease	3	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1

XI.—DISEASES OF EARLY INFANCY.

Group Total	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
151. Congenital debility, icterus, and sclerema	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
154.	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

XII.—OLD AGE.

Group Total	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
--------------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.

Group Total	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
173. Traumatism in mines and quarries	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Not included in totals	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

STILL-BIRTHS.

CAUSES OF DEATH IN THE TOWN OF SMITH'S FALLS, 1918.

OFFICIAL ENGLISH TRANSLATION.
DISEASES AND CAUSES OF DEATH.

Total.	Ages.													Sex.		Nativity.		Social Con.		Months.																			
	Under 1.													Male.	Female.	Canada.	Foreign.	Not stated.	Single.	Married.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.							
	0-1.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	142	17	23	75	84	30	16	7	13	20	11	6	4	8	14	36	17	7		
159	30	4	5	5	5	1	1	3	15	10	7	8	2	3	1	31	38	...	56	6	...	32	4	...	30	32	...	4	3	4	7	3	2	1	2	1	22	10	3
62	5	3	2	1	1	1	1	3	15	10	7	8	2	3	1	31	38	...	56	6	...	32	4	...	30	32	...	4	3	4	7	3	2	1	2	1	22	10	3
5	2	1	2	4	1	...	5	1	...	5	1	...	5	1	...	1	1	...	1	2
30	3	1	1	1	1	1	1	1	14	8	1	1	1	1	1	21	9	...	26	4	...	12	18	...	1	1	...	1	1	...	1	1	...	1	1	...	18	9	3
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	4	...	8	...	...	6	2	...	3	1	...	3	1	...	1	1	...	...	...	2	1	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	4	...	8	...	...	6	2	...	3	1	...	3	1	...	1	1	...	...	...	2	1	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2	...	...	2	...	...	2	...	...	1	1	...	1	1	...	...	...	1	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2	...	...	2	...	...	2	...	...	1	1	...	1	1	...	...	...	1	...	...
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	1	...	...	1	...	...	1	1	...	1	1	...	...	...	1	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	4	...	4	...	...	6	2	...	3	1	...	3	1	...	1	1	...	...	...	2	1	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	4	...	4	...	...	6	2	...	3	1	...	3	1	...	1	1	...	...	...	2	1	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	4	...	4	...	...	6	2	...	3	1	...	3	1	...	1	1	...	...	...	2	1	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	4	...	4	...	...	6	2	...	3	1	...	3	1	...	1	1	...	...	...	2	1	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	3	...	3	...	...	2	...	...	2	...	...	2	...	...	2	...	...	2	...	1	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	3	...	3	...	...	2	...	...	2	...	...	2	...	...	2	...	...	2	...	1	...	...
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	1	...	...	1	...	...	1	1	...	1	1	...	...	...	1	...	...
14	3	8	6	...	13	1	...	6	2	1	...	2	1	...	1	1	...	2	2	...	2	1	...
2	1	2	2	...	2	2	1	1	1	1	...	1	1	...	1
6	4	4	...	5	1	...	1	1	1	1	1	...	1	1	...	1
2	2	1	1	...	1	2	1	1	1	1	...	1	1	...	1

Number of Column.

Grand Total

Group Total

I.—GENERAL DISEASES.

- 8. Whooping cough
- 9. Diphtheria and croup
- 10. Influenza
- Total deaths from tuberculosis
- 28. Tuberculosis of the lungs
- 40. Cancer and other malignant tumors of the stomach, liver
- 41. Cancer and other malignant tumors of the peritoneum, intestines, rectum
- 44. Cancer and other malignant tumors of the skin
- 45. Cancer and other malignant tumors of other organs or of organs not specified
- 47. Acute articular rheumatism
- 48. Chronic rheumatism and gout
- 51. Exophthalmic goitre
- 52. Anæmia, chlorosis
- 55. Other general diseases

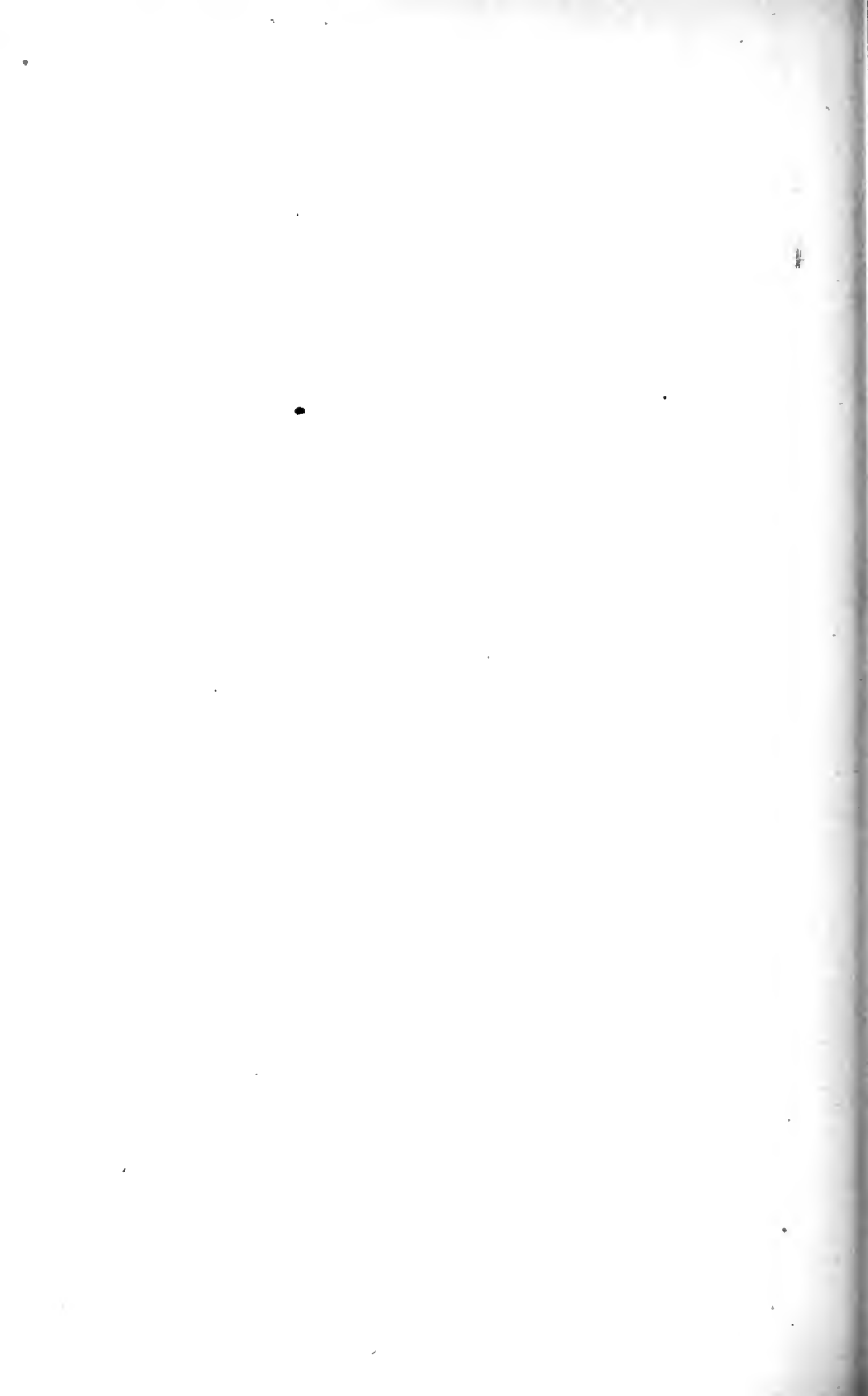
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.

- 61. Meningitis
- 62. Other diseases of the spinal cord
- 64. Cerebral hemorrhage, apoplexy
- 66. Paralysis without specified cause
- 71. Convulsions of infants

VII.—THE PUERPERAL STATE.																	
Group Total	4								4								
137. Puerperal septicæmia	2							2									
138. Puerperal albuminuria and convulsions	1							1									
140. Following childbirth (not otherwise defined)	1							1									
VIII.—DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.																	
Group Total	1							1									
142. Gangrene	1							1									
XI.—DISEASES OF EARLY INFANCY.																	
Group Total	20	20							13	7	20						
151. Congenital debility, icterus, and sclerema	20	20						13	7	20							
XII.—OLD AGE.																	
Group Total	5							5									
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																	
Group Total	40	1							38	4	21	19					
157. Suicide by hanging or strangulation	1							1									
160. Suicide by cutting or piercing instruments	1							1									
167. Burns (conflagration excepted)	8							7									
169. Accidental drowning	13							11									
170. Traumatism by firearms	3							3									
175. Traumatism by other crushing.	6							6									
(a) Railroad	5							5									
(b) Street car	1							1									
(c) Automobile	1							1									
(d) Other crushing	2							2									
178. Excessive cold	6							6									
185. Fractures (cause not specified)	6							6									
Not included in totals	15	15						10	5	15							

STILL-BIRTHS.





Thirty-Seventh Annual Report
OF THE
Provincial Board of Health
OF
Ontario, Canada

FOR THE YEAR

1918

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



TORONTO :

Printed and Published by A. T. WILGRESS, Printer to the King's Most Excellent Majesty

1919

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THE RYERSON PRESS

To His Honour SIR JOHN STRATHEARN HENDRIE, K.C.M.G., C.R.V.O., etc.,
etc., etc.

Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

I herewith beg to present for your consideration the Thirty-Seventh Annual Report of the Provincial Board of Health for the year 1918.

Respectfully submitted,

WM. DAVID MCPHERSON,

Provincial Secretary.

Toronto, April 2nd, 1919.

To the Honourable W. D. McPHERSON, K.C., M.P.P., Provincial Secretary of Ontario.

SIR,—I have the honour to submit for your approval the Thirty-Seventh Report of the Provincial Board of Health, made in conformity with and under the provisions of the Public Health Act, for the year 1918.

I have the honour to be, Sir,

Your obedient servant,

JOHN W. S. McCULLOUGH,

Chief Officer of Health.

Toronto, April 2nd, 1919.

PROVINCIAL BOARD OF HEALTH OF ONTARIO, 1918

The Board:

ADAM H. WRIGHT, M.D., M.R.C.S., Eng., ChairmanToronto.
HENRY R. CASGRAIN, M.D.Windsor.
THOMAS E. KAISER, M.D.Oshawa.
WILLIAM H. HOWLEY, M.D.Sudbury.
ARTHUR S. McELROY, M.D.Ottawa.
JAMES ROBERTS, M.D., M.O.H.Hamilton.

Executive Officers:

JOHN W. S. McCULLOUGH, M.D., D.P.H. (Tor.), Secretary and Chief Officer of Health.
R. W. BELL, M.D., Provincial Medical Inspector.
ALEX. R. WHITE, Sanitary Inspector, North Bay.

Laboratory Service:

JOHN A. AMYOT, M.B., C.M.G., Provincial Bacteriologist, Professor of Hygiene,
University of Toronto.
H. M. LANCASTER, B.A.Sc., Provincial Chemist, Professor of Chemistry, Dental
College, University of Toronto.
R. W. NAYLOR, M.B., Assistant Bacteriologist
A. R. BONHAM, B.A.Sc., Assistant Chemist.
W. T. CONNELL, M.D., Branch Laboratory, Kingston.
H. W. HILL, M.D., D.P.H., (Tor.), Branch Laboratory, London.

Engineering Service:

F. A. DALLYN, C.E. (Tor.), A.M. Can. Soc. C.E., Provincial Sanitary Engineer.
A. V. DELAPORTE, B.A.Sc., Chemist in Charge of Experimental Station.

Child Welfare Bureau:

MISS MARY POWER, B.A.
MISS B. KNOX, Nurse.

District Officers of Health:

District.

No. 1.—Vacant by the death of MAJOR D. B. BENTLEY, M.D., Sarnia.
No. 2.—THOMAS J. McNALLY, M.D., London.
No. 3.—DANIEL A. McCLENAHAN, M.D., Hamilton.
No. 4.—GEORGE CLINTON, M.D., Belleville.
No. 5.—PAUL J. MOLONEY, M.D., Cornwall.
No. 6.—W. EGERTON GEORGE, M.D., North Bay.
No. 7.—ROBERT E. WODEHOUSE, M.D., Fort William.

Telephone No. Main 5800.

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ANNUAL REPORT

OF THE

Provincial Board of Health for the Province of Ontario

For the Year Ending 31st December, 1918

RESUMÉ OF THE TRANSACTIONS OF THE BOARD BY THE CHIEF OFFICER OF HEALTH

This is the 31st Annual Report of the Provincial Board of Health for Ontario for the year ending 31st December, 1918.

During the year five meetings were held by the Board. These meetings were attended by all the members with the exception of Dr. H. R. Casgrain who remains on duty overseas. At the end of the previous year the place of Dr. A. A. Weagant, of Ottawa, who resigned upon taking up his residence in Winnipeg, Manitoba, was filled by the appointment of Dr. Arthur Stevenson McElroy, of Ottawa.

Legislation.

At the 1918 Session of the Legislature the following amendments to the Public Health Act were passed, viz:—

AMENDMENTS TO THE PUBLIC HEALTH ACT (BILL No. 139, 1918)

His Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. This Act may be cited as *The Public Health Amendment Act*, Short title, 1918.

2. Every district officer of health shall be paid such salary as may be fixed by the Lieutenant-Governor in Council, and his actual and necessary travelling and other expenses incurred in the discharge of his duties, and such salary and expenses shall be payable out of such sums as may be appropriated by the Legislature for that purpose.

3. Subsection 2 of section 25 of *The Public Health Act* is amended by striking out the words "five per centum" in the seventh line thereof, and by substituting therefor the words "at a rate not exceeding six per centum."

4. Section 29 of *The Public Health Act* is amended by striking out the words "cleansing and" and the words "cleanse and" in the sixth line, and by adding thereto the following subsection:

Disinfecting, etc., of premises.

- (2) The disinfecting, renovating and cleansing of houses and premises shall be carried on in accordance with the regulations.

Rev. Stat. c. 218, s. 32a, amended. 7 Geo. V, c. 51.

5. (1) Section 32a of *The Public Health Act*, as enacted by the Act passed in the 7th year of His Majesty's reign, chapter 51, is amended by adding after the word "public," at the end of the third line, the words "and separate."

Commencement of section.

- (2) The amendment made by subsection 1 shall have effect and be deemed to have been in force as from the 12th day of April, 1917.

Rev. Stat. c. 218, s. 41, amended.

6. Section 41 of *The Public Health Act* is amended by adding thereto the following as subsection 2:

Temporary absence of M.O.H.

- (2) When the Medical Officer of Health is absent from the province for a protracted period the council may, with the written approval of the Provincial Board, appoint a legally qualified medical practitioner to be Acting Medical Officer of Health during such absence, and such Acting Medical Officer of Health shall have, during the absence of the Medical Officer of Health, all the powers, and perform all the duties of the Medical Officer of Health.

Rev. Stat. c. 218, amended.

7. *The Public Health Act* is amended by adding thereto the following section:

Disputes as to remuneration of M.O.H. Application to county judge.

- 52a.—(1) Where a medical officer of health claims that the salary paid to him by a municipal corporation or the remuneration provided for under section 52 is not fair and reasonable, and gives notice of such claim in writing, signed by him, to the clerk of the municipal corporation, and the council of the corporation neglects to comply with such demand, or directs the serving upon the medical officer of health of a notice disputing such a claim, the medical officer of health, after the expiration of ten days from the receipt of such claim by the clerk of such corporation, may apply in a summary manner to the judge of the county or district court of the county or district within which the municipality lies, for an order allowing his claim and fixing the amount payable to him as salary under section 39 or as remuneration under section 52, and upon such application the judge shall hear the parties and their witnesses and shall make such order as he may deem just, and in and by such order shall settle and determine the salary properly payable to such medical officer of health, and a fair and reasonable remuneration under section 52.

Time for making application.

- (2) If such application is not made by the medical officer of health within thirty days after receiving notice from the corporation disputing his claim, he shall be deemed to have abandoned the same.

(3) The judge, upon the application, shall take into consideration all the circumstances of the case, and amongst other matters the physical extent, population and assessment of the municipality.

Powers of judge.

(4) *The Judges' Orders Enforcement Act* shall apply to every application or order made under this section.

Application of Rev. Stat., c. 79, Rev. Stat., c. 218, s. 54, amended.

8. Section 54 of *The Public Health Act* is amended by adding after the word "from" at the end of the second line the words "or exposed to," and by adding thereto the following subsections:

Communicable diseases.

(2) Every person in a house when a communicable disease exists therein, and every person who during the period of quarantine enters such house, shall be deemed to be exposed to the disease.

Who to be deemed exposed to disease.

(3) It shall be the duty of every physician, medical officer of health, superintendent of a hospital, nurse, midwife, and everyone in charge of a maternity hospital, every householder, and everyone in charge of a child, to see that such requirements as may be prescribed by this Act or by the regulations are duly complied with in respect of ophthalmia neonatorum, trachoma, inflammation of the eyes of the newborn, or other communicable diseases of the eyes.

Duty as to treatment of newborn for eye diseases.

9. Section 92 of *The Public Health Act* is amended by striking out the word "and" at the beginning of the second line thereof and by adding after the word "corporation" in the second line the words "and any person" and by striking out the words "or officer" in the tenth line and substituting therefor the words "officer or other person."

Rev. Stat., c. 218, s. 92, amended.

Returns from owners of waterworks, etc.

10. Section 94 of *The Public Health Act* as amended by section 47 of *The Statute Law Amendment Act, 1914*, is further amended by adding thereto the following subsections:

Rev. Stat., c. 218, s. 94, amended.

(9) The Provincial Board may withdraw, amend or vary any approval given by it under this section or any order or certificate made by it, and may approve of a different or other system of sewerage, sewage disposal or sewage disposal plant, or a different or other location of the same.

Orders of Provincial Board as to sewerage or sewage disposal plant.

(10) Before acting under the provisions of subsection 9 the Board shall notify the clerk of the township municipality in which the system of sewerage is located or into or through which it is continued or in which it is proposed to locate the system of sewerage, or into or through which it is proposed to continue the same, or in which it is proposed to locate a sewage disposal plant, and the Board shall hear and consider any objections which the council of the township or any resident therein may make to the erection of the said work or any part thereof.

Hearing and notice to municipality affected.

Application
to Railway
and Municipal
Board.

- (11) Where the Provincial Board has made an order or report under the provisions of subsections 7 to 10, the corporation of the urban municipality before proceeding with the work, shall apply to the Ontario Railway and Municipal Board, for an order prescribing the manner in which such work may be carried on, and notice of such application shall be given to the township municipality and to any resident therein whose property is, or may be, affected by the proposed works.

Powers of
Railway
and Municipal
Board.

- (12) Upon such application the Ontario Railway and Municipal Board may make an order:

- (a) Stopping up and closing any highway, road or road allowance, temporarily or permanently, for the purpose of allowing the proposed work to be carried on; and vesting the same in the urban corporation, and providing for the opening of other roads, highways and road allowances for the use and convenience of the residents of the township municipality in lieu of the roads, highways and road allowances so stopped up and closed, and the provisions of section 86 of *The Registry Act* shall not apply;
- (b) imposing such terms and conditions upon the urban municipality with respect to the construction and operation of the proposed work as the Board may deem just;
- (c) ordering that any buildings, restrictions, covenants running with the land or any limitations placed upon the estate or interest of any person or corporation, in any lands in or through which it is proposed that a sewage disposal system may be constructed or continued, or where the site of the sewage disposal plant is proposed to be located, shall be terminated and shall be no longer operative or binding upon or against any person or persons, and direct that any such order be registered under the provisions of *The Registry Act*;
- (d) fixing the compensation to be paid for lands taken or injured in the construction of such works.

Registration
of
order.

- (13) The registration of any order under clause *c* of subsection 12, shall be a bar to any action or proceeding taken by any person or corporation claiming any right or benefits under or by reason of any such restrictions, covenants, interests, estate or title in the lands described in the order.

Jurisdiction
of Board
as to claims
for damages.

- (14) The Ontario Railway and Municipal Board shall have jurisdiction to enquire into, and hear and determine any application by or on behalf of any person or corporation interested complaining that any urban municipality constructing, maintaining or operating any sewage disposal system, or plant, or having the control thereof:

- (a) has failed to do any act, matter or thing required to be done by an Act or regulation, order or direction, or by any agreement entered into by the corporation; or
- (b) has done or is doing any act or is failing to do any act and that such act or failure is causing depreciation, loss, injury or damage to any property of any owner, and the said Board may make any order, award or finding in respect of any claim of damage or injury, as it may deem just.
- (15) The jurisdiction of The Ontario Railway and Municipal Board under this section shall be conclusive and all claims for injury, or damages or other matter arising under the provisions of this section relating to the construction by an urban municipality of a sewage disposal plant in a township municipality, shall be heard and determined by the Board and *The Ontario Railway and Municipal Board Act*, so far as it is practicable, shall apply to every application and order made to or by the Ontario Railway and Municipal Board under this section.

All claims to be determined by Board.

11. Subsection 2 of section 110 of the said Act is amended by striking out the figures “\$20” in the eighth line thereof, and substituting therefor the figures “\$500.”

Rev. Stat., c. 218, s. 110. (2) amended

REGULATIONS

The following Regulations were passed by the Board approved by Order-in-Council and published in the *Ontario Gazette*, viz:—

PROVINCIAL BOARD OF HEALTH, ONTARIO.

REGULATIONS FOR THE CONTROL OF BABIES' SORE EYES.

Regulation 1.

Every physician in attendance upon a lying-in woman shall, immediately following the birth, instil into the eyes of the newly-born child a sufficient quantity of one per cent. solution of nitrate of silver (supplied free by the Provincial Board of Health) or of a 40 per cent. solution of Argyrol.

Regulation 2.

If within two weeks after the birth of a child, one or both eyes shall become reddened, inflamed, swollen or show any discharge, every physician, midwife, nurse or person in charge of a maternity or other hospital where such child is, and every person in charge of a child, shall forthwith report in writing to the Medical Officer of Health, the name, age and address of such child together with the circumstances of the case.

Regulation 3.

The Medical Officer of Health shall, upon receipt of such report and if the child is not under the care of a legally qualified physician, direct the parents or whoever has charge of the child to immediately place it in charge of a legally qualified physician or if the parents or persons in charge are unable to pay the cost of such attendance, the Medical Officer of Health shall provide the necessary treatment at the cost and charge of the municipality.

Regulation 4.

The Medical Officer of Health shall send a weekly report of all such cases to the Secretary of the Local Board for transmission to the Provincial Board as required by Section 24 of the Public Health Act.

VENEREAL DISEASES

An important step in the control of Venereal Diseases was made by the enactment of the Venereal Diseases Prevention Act, and the approval of the following regulations made thereunder, viz:—

(a) FORMS.

The following are forms prescribed under the Venereal Diseases Prevention Act:

(a)—FORM I V.D.

NOTICE TO PERSONS SUSPECTED TO BE INFECTED OR EXPOSED TO INFECTION WITH VENEREAL DISEASE.

To

You are hereby notified under authority of the Venereal Diseases Prevention Act to present yourself before a legally qualified medical practitioner for examination within *twenty-four* hours after the receipt of this notice. You are further notified to procure and produce to me, the undersigned, *within twenty-four hours* following examination, a report or certificate of the aforesaid medical practitioner as to whether you are or are not suffering from venereal disease, and if so in what form.

(Signed)

.....

M.O.H.

Date.....

Penalty for NON-COMPLIANCE, a fine of not less than \$25.00 nor more than \$100.00, or in default, imprisonment for three months.

(a)—FORM II V.D.

NOTICE TO MEDICAL PRACTITIONER TO EXAMINE AND REPORT UPON A PERSON SUSPECTED TO BE INFECTED WITH VENEREAL DISEASE.

To M.D.

You are hereby authorized and required under the Venereal Diseases Prevention Act to examine..... and report to me as to whether or not..... is suffering from Venereal Disease, and if so in what form.

(Signed)

.....

M.O.H.

Date.....

(a)—FORM III V.D.

REPORT OR CERTIFICATE OF A LEGALLY QUALIFIED MEDICAL PRACTITIONER.

I, the undersigned, a legally qualified medical practitioner, hereby certify that on the.....day of....., 19 , atI examined and found.....suffering from Venereal Disease in the form of

The examination comprised the following procedure, viz.:—

(Signed)

M.D.

Date.....

(a)—FORM IV V.D.

NOTICE RESPECTING THE COURSE OF CONDUCT OF A PERSON INFECTED WITH VENEREAL DISEASE.

Under the provisions of the Venereal Diseases Prevention Act, you are hereby notified and required to present yourself to.....M.D., a legally qualified medical practitioner, for treatment. While under treatment and until non-infective you are required to obey Regulation (c) of the Provincial Board of Health.

(Signed)

M.O.H.

Date.....

Penalty for NON-COMPLIANCE, fine of \$25.00 to \$100.00, or 3 months' imprisonment.

(a)—FORM V V.D.

AUTHORITY TO ENTER INTO A HOUSE OR UPON PREMISES.

Under the authority of the Venereal Diseases Prevention Act, I, the undersigned, Medical Officer of Health for..... hereby authorize you to enter the house or premises at..... in the daytime for the purpose of examining.....

(Signed)

M.O.H.

Date.....

(a)—FORM VI V.D.

REPORT OF VENEREAL DISEASE.

Name of Disease:

Serial Number: Sex

Married or Single:

Municipality:

Date:

(Signed)

.....
 Medical Practitioner, Supt.,
 or Head of Institution.

(b) METHODS OF TREATMENT.

The following shall be deemed to be lawful and proper methods and remedies for the treatment, alleviation and cure of venereal disease, viz.:

(1) Gonorrhœa:

(a) The treatment of Gonorrhœa should be essentially local in character.

(b) The treatment of the complications of Gonorrhœa should be both local and systemic.

(c) The following remedies are approved, viz.: Silver, Iodine, Mercury, Potassium, Zinc Lead, and other mild astringents in their various forms.

(d) Essential oils, alkalies, balsams and hexamethylenetetramine.*

(e) Suggested methods of treatment are set forth in Appendix I.

(2) Syphilis:

Early stage.

Diagnosis.—Any suspicious sore upon the genitals or elsewhere should be diagnosed as early as possible and assumed to be syphilitic until this is disproved. It is said on expert authority that fifty per cent. of cases of primary syphilis may be aborted if undertaken before the Wassermann is positive.

The successful treatment of syphilis depends upon the early and vigorous treatment of the disease.

1. The following remedies are approved, viz.:

(a) Mercury in its various forms administered orally, intramuscularly and by inunction.

(b) The arseno-benzol derivatives administered intravenously.

(c) The Iodides—administered orally.

(d) Suggested methods of treatment are set forth in Appendix I.

(3) Chaneroid:

(1) Carbolic acid and alcohol.

(2) Silver salts.

(3) Antiseptic dressings.

*CAUTION.—Some persons cannot tolerate this drug, even small doses causing painful micturition and hæmaturia.

None of these remedies, nor any other remedy, form of treatment, instrument or medicine, patent, proprietary, or otherwise, shall be sold, offered for sale, recommended, suggested, advertised, or promoted by anyone as a treatment for venereal, special, private or genito-urinary disease, unless such remedy, medicine, treatment, or instrument is prescribed by a legally qualified practitioner.

(c) COURSE OF CONDUCT OF A PERSON INFECTED WITH VENEREAL DISEASE.

(1) Every person infected with venereal disease shall forthwith place himself under the care and treatment of a legally qualified medical practitioner. If unable to secure medical attendance he must apply to the Medical Officer of Health of the municipality who will direct his course as to treatment. During the course of the disease he shall attend and carry on his treatment as required by the medical practitioner under whose care he is.

Penalty for non-compliance with this regulation, a fine of not less than \$25.00 nor more than \$100.00.

(2) He shall abstain from marriage, sexual intercourse, or any conduct likely to infect another. He shall continue treatment until pronounced non-infective, and in default of which he shall be reported to the Medical Officer of Health.

Penalty for non-compliance with this regulation, a fine of not less than \$100.00 nor more than \$500.00, or 12 months' imprisonment.

(d) DISTRIBUTION OF INFORMATION.

The Board shall distribute to every medical practitioner and every hospital requiring the same such information respecting venereal disease as may be determined upon by the Board, and every medical practitioner and every hospital receiving such information shall distribute the same to such persons suffering from venereal disease as may come under the care of the medical practitioner or hospital.

(e) REGULATING TREATMENT.

Persons in hospitals, places of detention and other institutions who are infected with venereal disease shall obey such rules as may be laid down by the physician or superintendent in charge.

(f) PREVENTING INFECTION.

Every medical practitioner, every hospital superintendent, the head of every hospital for the insane, for epileptics, for the feeble-minded, the head of every jail, reformatory, or other place of detention, and of every institution, private, public or otherwise, and every person infected with venereal disease shall take and maintain every precaution against the spread of these diseases as is now or may be from time to time prescribed by the Provincial Board.

(g) REPORTING.

Every medical practitioner, every hospital superintendent, the head of every hospital for the insane, for epileptics, for the feeble-minded, the head of every jail, reformatory, or other place of detention, and of every institution, private,

public or otherwise, shall report daily to the Medical Officer of Health by a serial number, in accordance with Form VI, every case of venereal disease coming under his treatment or care for the first time. If the patient has been under treatment by another physician or institution, notice thereof shall be sent forthwith to the Medical Officer of Health, but without giving the name of the patient.

The aggregate of all cases of each form of venereal disease shall be reported weekly by the Medical Officer of Health directly to the Board.

(h) NOTICES.

When required by the Board every local Board shall procure and provide for the putting up, in public urinals, conveniences, and similar places, of notices and placards dealing with venereal disease, its cause, manifestation, treatment and cure, but no notice or placard of this character may be so used unless such is approved by the Board.

(i) PUBLICATION OF INFORMATION AS TO TREATMENT.

When required by the Board every local Board shall provide for public advertising and placarding of such information relative to the treatment and cure of venereal disease, and the places where proper treatment may be procured, as the Board may deem advisable, and which may be approved by the Board.

(j) PENALTIES.

Every person violating any Regulation of the Board shall incur a penalty of not less than \$25, nor more than \$100, and in default of immediate payment shall be imprisoned for a period not exceeding three months.

(k) FEES.

Every medical practitioner making an examination and report as required under Sections 3 and 4 of this Act or as prescribed by the Regulations shall be paid by the municipality wherein the patient lives, the sum of five dollars, except in the case of public institutions other than gaols and prisons, receiving Government aid or which are maintained by the Government.

(l) PROCEDURE ON APPEALS.

In case of an appeal from any action or decision of the Medical Officer of Health under this Act, an application for appeal shall be made in writing to the Board, who shall thereupon set a date for the hearing within one week from the receipt of the application. Notice shall be given by the Board in writing by registered post, of the date and place of hearing to all parties concerned. The hearing shall be *in camera*.

(m) The administration of the Regulations shall not interfere with the course of justice in case of persons under arrest or in custody previous to trial for any offence committed against the provisions of the Venereal Diseases Prevention Act or anything therein authorized or under any other Statute or the Criminal Code.

(n) METHODS OF EXAMINATION.

The examination of any person with a view to ascertaining whether or not such person is infected with venereal disease shall be as follows:

- (a) In the case of *suspected* gonorrhœa, the examination shall include a physical examination of the person with a microscopical examination of the urethral, and prostatic discharges in the male, and of the urethral, Bartholinic, vaginal and uterine discharges in the female.
- (b) In the case of *suspected* syphilis, the examination shall include a physical examination of the person and an examination of the blood, by means of what is known as the Bordet-Wassermann test, and a complete spinal fluid examination if such is deemed advisable by the Medical Officer of Health.
- (c) In the case of chancre or chaneroid, the examination shall correspond to that detailed under (b), with the addition of the dark-field microscopical examination, india ink preparation, or one of the recognized stains for *Spirochæta pallida*. In all cases the report of the examination shall include full details of the methods of examination carried out.

(o) HOSPITALS.

Every hospital in Ontario receiving public aid shall make provision for the reception and treatment of persons suffering from venereal disease.

APPENDIX I.

TREATMENT OF VENEREAL DISEASES.

The following line of treatment is suggested for venereal diseases. Treatment should begin immediately following diagnosis.

PROPHYLACTIC TREATMENT.

Should a patient be seen within twenty-four hours after a suspicious intercourse, prophylaxis may be used with great assurance of success. If within eight hours, success is almost certain. The earlier the better.

The patient should, as soon after intercourse as possible, wash the genitals with soap and water, urinate and apply calomel ointment (30%) freely over the glands, foreskin and body of the penis. In the female, the same treatment should be applied to the vulva. In the male, argyrol, 30 to 40 drops of a 20% solution, freshly prepared, should be injected into the urethra and retained for ten minutes, or a bougie of argyrol (10%) retained for ten minutes. In the female, a vaginal irrigation of two quarts of hot soap and water solution should be used, and this followed by:—

- (1) A vaginal suppository of 10% argyrol applied high in the vagina and retained: or
- (2) The application of 5% silver nitrate solution to the vaginal walls.
- (3) The urethra should be treated with an argyrol bougie (10%) retained for ten minutes.

TREATMENT OF GONORRHOEA IN THE MALE

By injection. How should an injection be used?

The patient should first urinate in order to clear the urethra of discharge and should then inject 3iii to 3iv of the solution.

The following solutions are recommended:—

(1) Argyrol, 5% to 10% retained for ten minutes.

(2) Silver iodide, 1½% to 1% retained for ten minutes.

The injections should, in the early stage, be made four times a day and continued until the discharge changes from mucopurulent to serous. Then a mildly astringent injection should be used in the same manner, excepting that it should not be retained. The following remedies are recommended:—

(a) Zinc Sulphate, 1 to 2 gr. to the oz.

(b) Potas. Permang. 1 in 5,000, or

(c) Zinc Sulphate and Plumbi Acet. aa. 1 gr. to the oz.

The physician should instruct the patient to thoroughly wash his hands with soap and water after handling the genitals, because of the danger of careless habits, leading to infection of the eyes, etc.

On visits subsequent to the first, the patient should be instructed to come with a full bladder. The urine should be passed in glasses as follows, viz.:

Two ounces in the first, the middle portion in the second, and the terminal portion in the third.

If the urine in the first glass is turbid, and that in the second and third clear, it indicates anterior urethritis.

If all three are turbid, it indicates anterior and posterior urethritis and bladder involvement.

If the first glass is turbid and the second clear, and the third turbid or contains flakes or shreds, the patient has both anterior and posterior urethritis. This is, assuming that the urine is acid.

If the urine is alkaline, the turbidity may be due to a deposit of phosphates which will clear up on the addition of a little acetic acid.

The patient should be warned of the harmful effect of "stripping" the penis to reveal the morning drop. He should also be warned of sexual stimulation in any form.

Under the most satisfactory conditions, the physician would be well advised not to hope for a cure short of a period of six to ten weeks.

By irrigation.

The irrigation treatment of gonorrhœa is recommended by certain authorities. If such treatment is undertaken it should be done only by the physician, who should follow closely the details of treatment laid down in standard text-books and in the current literature.

By systemic treatment.

The use of internal remedies with the idea of the cure of gonorrhœa has not proven satisfactory, but for the purpose of combating pain and other symptoms arising in the course of the disease these remedies have their value.

Attention should be paid to proper diet, copious drinking of water, total abstinence from stimulating drinks or foods, over-exercise and excessive use of tobacco. Rest and fresh air are important adjuncts in the treatment.

The treatment of prolonged cases with complications should be carried out in accordance with the rules laid down in standard texts and the literature.

In any cases of doubtful diagnosis a Wassermann test should be made in order to rule out the possibility of concealed syphilis.

CHANCROID.

The utmost care should be taken in the diagnosis of all sores so as to distinguish the herpetic, the chancroid and the chancre. Clinically these sores frequently resemble one another. Differentiation is often very difficult. Therefore the use of the laboratory is indispensable in diagnosis. *In all cases syphilis should be excluded.*

Chancreoid should be treated as follows:—

- (1) By the careful application to the sore of pure carbolic acid followed by alcohol, or
- (2) Silver nitrate, grs. 40 to the oz. most carefully applied.

These to be followed by a simple moist dressing such as boracic acid. Herpetic sores should readily heal under a simple boracic dressing.

SYPHILIS.

In the treatment of *Chancre* the application of antiseptics before a positive diagnosis will render the discovery of the spirochæte difficult, if not impossible.

To secure the best material for making the smear, the sore should be grasped between the gloved finger and thumb and wiped until clear serum exudes. This should be placed on a slide for the microscope. The diagnosis being made, systemic treatment should be vigorously carried out.

MERCURY AND IODIDE.

Mixed and tonic treatment should also be vigorously carried out at the same time and the patient kept under observation for a period of two years, the Wassermann test being taken at intervals. Good food and life in the fresh air are essential to successful treatment.

The treatment of the later stages of syphilis and of the many complications arising in the course of the disease should be carried out as laid down in standard text-books.

INTRAVENOUS TREATMENT.

One should not stop short of five successive weekly intravenous injections of one of the arseno-benzol compounds, beginning with a half dose and increasing to the maximum. The effect of each dose should be carefully watched. A week after the final treatment, a Wassermann should be taken. If positive the treatment should be continued, using maximum doses.

In all forms of venereal disease the use of tonics, good food and life in the fresh air are essential to successful treatment.

Free Distribution of Biological Products.

The net cost of the biological products purchased, and supplied free to the public, was \$35,024.60.

In addition, the Board's Laboratory prepared and supplied T.A.B. vaccine,

influenza vaccine and treatment for babies' sore eyes, in large quantities. T.A.B. vaccine and influenza vaccine were freely supplied to the troops.

The District Officers of Health.

The vacancy in District No. 1, on account of the lack of qualified men, most of whom are engaged in A.M.C. work overseas, has not yet been filled. It is hoped that, now the war is over, the experience of Ontario physicians in army sanitation will make the selection of an officer for this important district an easy one. Lt.-Col. R. E. Wodehouse, D.O.H. for No. 7 District, still continues as O.C. of the Convalescent Home at Bearwood, Berks. It is hoped he will be able to return at an early date to resume his duties. These two vacancies have



THE LATE GEORGE E. YOUNG
Sanitary Inspector.

entailed an enormous amount of additional work upon Drs. T. J. McNally and W. Egerton George, which they have carried on with commendable spirit.

The Board desires to express its high appreciation of the services of all the District Officers of Health. It is with sincere regret that the Board has to announce the death at Chatham of the Sanitary Inspector, Mr. Geo. E. Young. Mr. Young had faithfully served the Board over a long period of years. He was the sincere friend of the labouring man whether in lumber camp, mine or on railroad construction, and by his diligence had secured many improvements in camp conditions in the newer and unorganized regions of Ontario. He had been in failing health for a number of years but although urged to rest persisted in carrying on when his own interest demanded a holiday. He died at Chatham, his former home.

The position occupied by Mr. Young has been filled by the appointment of Mr. Alex. R. White, whose experience as Sanitary Inspector of North Bay for years gives assurance that he will be able to give good service.

Water Supplies and Sewerage.

In October, the Provincial Sanitary Engineer, Mr. F. A. Dallyn, C.E., joined the C.E.F. despatched to Siberia as Hydrological officer. His place has been temporarily filled in the person of Mr. W. R. Worthington, B.A.Sc., kindly loaned by the City of Toronto. The details of the work carried out during the year are given elsewhere in this volume.

The Experimental Plant.

The chemist in charge of the plant, Mr. A. V. DeLaporte, B.A.Sc., went overseas early in the year, joining the Royal Engineers, in which unit he secured a commission. His absence, with that of the Engineer, necessitated the closing of the plant about the month of October. On their return the experimental work, details of which are given elsewhere, will be resumed.

DEATHS IN ONTARIO FROM TUBERCULOSIS BY AGES, 1908-1918.

Year.	Total.	Ratio per 100,000	Under 5 years.													80 & over.	Not stated.	Total death- from all causes.	
			0-1	1	2	3	4	5-9	10-14	15-19	20-29	30-39	40-49	50-59	60-69				70-79
	23,904		571	370	224	139	132	468	586	1,871	6,695	4,895	3,098	2,217	1,497	688	138	315	327,014
1908	2,511	112	68	46	20	13	13	43	67	216	764	479	315	217	136	70	14	30	30,947
1909	2,380	106	47	27	25	9	15	54	54	179	687	487	290	222	163	66	15	40	30,792
1910	2,291	102	38	35	19	15	6	36	55	184	652	463	293	222	160	71	18	24	31,332
1911	2,353	93	63	30	15	10	18	48	64	181	618	476	325	218	156	85	12	34	31,878
1912	2,250	87	53	30	19	9	15	46	42	154	631	500	304	200	134	64	7	42	32,150
1913	2,294	85	53	36	20	10	18	32	41	188	632	479	313	204	156	56	10	47	34,317
1914	2,340	85	54	41	20	16	11	56	58	181	688	469	307	214	116	63	12	34	32,440
1915	2,466	89	79	39	25	19	16	55	74	168	676	515	273	242	176	73	15	20	33,294
1916	2,559	92	66	43	35	19	9	53	61	224	683	536	327	238	156	68	17	24	35,580
1917	2,460	88	51	43	26	19	11	45	70	196	664	490	351	240	144	72	18	20	33,284

This Table was Compiled by the Registrar General's Department.

*DEATHS IN ONTARIO FROM CERTAIN COMMUNICABLE DISEASES, 1908-1918

Year	Population	Small-pox	Scarlet Fever	Diphtheria	Measles	Whooping Cough	Typhoid	Tuber- culosis Lungs
1918...	2,711,620	2	84	335	95	305	208	2,129
1917...	2,769,850	1	59	396	58	228	252	2,014
1916...	2,776,886	5	49	461	411	341	335	2,148
1915...	2,767,350	2	42	341	145	193	298	2,088
1914...	2,749,840	1	111	443	61	196	358	1,982
1913...	2,677,600	4	137	339	166	272	446	1,955
1912...	2,582,500	2	152	371	111	419	483	1,921
1911...	2,523,274	3	290	427	169	169	637	2,035
1910...	2,239,621	2	237	435	304	186	706	2,013
1909...	2,233,264	3	200	430	167	262	669	2,017
1908...	2,226,860	2	163	450	38	246	662	2,129

*Compiled from the Registrar General's returns.

CASES AND DEATHS FROM COMMUNICABLE DISEASES FOR THE YEAR 1918
From Weekly Reports of Local Boards of Health

Months.	Smallpox.		Scarlet Fever.		Diphtheria.		Measles.		Whooping Cough.		Typhoid.		Tuberculosis.		Infantile Paralysis.		Cerebro-spina. Meningitis.		Syphilis		Gonorrhoea		Chancreoid	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
January	79	...	337	7	694	32	1,013	13	367	8	24	7	187	63	4	2	4	3
February	61	...	357	4	289	18	861	6	168	6	35	3	131	69	1	...	15	10	...	...	...	...	...
March	47	1	339	9	347	23	1,236	15	286	2	27	4	101	71	...	...	17	10	...	...	...	...	...
April	39	...	383	16	349	22	1,461	11	240	4	38	5	187	122	2	...	17	12	...	...	...	...	...
May	71	...	324	9	193	14	1,935	12	251	8	27	4	209	124	6	2	31	6	...	...	...	...	...
June	15	...	196	4	136	13	1,426	8	277	11	24	6	172	147	1	...	9	8	...	...	...	...	...
July	38	...	158	5	195	10	748	1	169	12	42	15	178	109	1	...	15	13	...	...	...	...	...
August	21	...	101	1	164	11	347	6	246	12	240	27	206	116	5	2	1	13	...	...	...	...	...
September	17	1	127	2	230	18	110	1	179	12	165	24	172	95	11	4	4	3	...	...	...	...	...
October	6	...	187	3	351	52	188	4	72	31	111	31	259	181	2	...	6	4	...	...	...	...	...
November	6	...	159	9	167	30	68	8	60	23	46	13	159	124	1	...	8	6	...	...	...	...	...
December	5	...	194	4	278	24	18	3	57	5	18	3	161	138	...	...	9	5	...	...	...	...	...
Total year	435	2	2,862	70	3,093	267	9,431	88	2,372	133	797	142	2,122	1,350*	34	11	118	80	425	1,012	29	29	29	29
Total y.r. 1918	435	2	2,862	70	3,093	267	9,431	88	2,372	133	797	142	2,122	1,350	34	11	118	80	425	1,012	29	29	29	29
.. 1917	225	...	2,027	38	3,590	223	7,795	31	1,670	54	825	83	1,707	819	102	11	113	66
.. 1916	174	3	1,449	39	3,212	284	21,977	227	2,205	97	1,225	158	1,813	984	190	27	195	129
.. 1915	626	2	1,415	29	2,719	169	9,684	107	882	51	920	96	1,356	774	13	4	139	105	...	...	...	...	...
.. 1914	511	2	2,722	60	2,772	213	4,884	60	798	56	1,060	125	1,335	776	29	5	68	55	...	...	...	...	...
.. 1913	774	2	2,746	101	2,194	233	7,895	134	484	84	1,519	213	1,576	1,040	35	20	61	48	...	...	...	...	...
.. 1912	565	3	2,646	111	2,340	238	7,895	134	484	84	1,519	213	1,576	1,040	35	20	61	48	...	...	...	...	...
.. 1911	481	3	4,141	210	2,631	280	1,975	58	414	142	2,569	305	1,525	869	49	59	58	58	...	...	...	...	...
.. 1910	559	1	3,788	208	2,559	323	5,211	162	473	94	2,192	425	1,675	1,499	39	19	56	54	...	...	...	...	...
.. 1909	874	1	3,461	189	2,635	386	857	134	732	144	2,535	578	1,841	1,723	81	15	12	12	...	...	...	...	...
.. 1908	941	5	3,513	146	2,477	367	792	33	754	144	2,276	563	2,163	1,918	...	...	...	...	...	...	...	...	...

* The monthly returns include only deaths from pulmonary tuberculosis or consumption, and not other tubercular diseases. † Two weeks.

STATEMENT OF BIOLOGICAL PRODUCTS
 DISTRIBUTED FREE OF CHARGE BY THE PROVINCIAL BOARD OF HEALTH, ONTARIO

October 1st, 1917, to September 31st, 1918

	Smallpox Vaccine points	Diphtheria Antitoxin units	Diphtheria Antitoxin syringes	Dip. Toxin Ant. vials	A-M. Serum x 20cc.	Intra Spinal outfits	Tetanus Antitoxin units	Tetanus Antitoxin syringes	Pr. for Rabies	Pertussis vaccine				Typhoid and Paratyphoid vaccine					
										Boxes	Bottle 10cc.	Bottle 12cc.	2cc.	Silver Nitrate 50 Intron. Box	Civic S.	Civic D.	Military S.	Military D.	
October.....	2,560	17,805,000	1,088	.....	106	11	244,500	94	4	105	33	.....	30	106	525	275	10,775	6,450
November.....	9,620	26,366,000	1,344	.....	167	15	409,500	23	6	99	50	.....	5	30	756	378	25,000	21,750
December.....	4,954	19,427,000	1,195	.....	47	9	51,000	20	.....	53	11	.....	3	36	156	78	23,250	21,050
January.....	6,230	22,841,000	1,520	10	130	7	178,500	75	2	298	87	.....	85	34	262	131	33,750	47,100
February.....	8,195	17,566,000	1,087	21	51	7	15,300	14	2	219	50	.....	26	48	844	422	11,140	14,070
March.....	8,300	14,852,000	989	.....	113	18	73,500	3	.....	386	147	.....	4	73	552	276	10,500	11,000
April.....	4,640	8,659,000	365	.....	94	17	157,500	14	2	106	44	.....	27	81	402	255	38,750	23,000
May.....	3,455	6,226,000	388	.....	69	.....	103,500	.....	1	80	2	.....	.....	8	427	219	49,300	35,475
June.....	5,245	7,599,000	436	2	63	.....	178,500	13	4	254	67	.....	.....	89	2,611	1,360	64,915	31,790
July.....	2,515	13,089,000	846	.....	99	32	381,000	10	1	241	48	.....	22	65	384	192	27,500	18,750
August.....	3,060	9,746,000	518	.....	22	6	241,000	2	5	80	36	6	2	229	6,652	2,995	30,500	20,250
September.....	3,285	16,498,000	964	.....	50	20	347,500	43	.....	294	124	6	40	168	{ 38,166cc	{ .. }	{ 49,500cc	{ .. }
October.....	1,755	25,624,000	915	.....	14	2	144,000	6	2	28	6	.....	10	109	{ 546cc	{ .. }	{ 11,000cc	{ .. }
64,294	206,298,000	11,655	33	1,025	144	2,525,300	317	29	2,243	705	12	257	1,076	plus	13,571	6,581	329,880	250,685	

S—Single dose.

D—Double dose.

SUPPLEMENTARY STATEMENT

	COST					REVENUE					
	Smallpox Vaccine	Diphtheria antitoxin units	Diphtheria antitoxin syringes	Diphtheria toxin antitoxin	A.M. serum x 20 cc. vials	Intraspinal outfits	Tetanus antitoxin units	Tetanus antitoxin syringes	Pasteur Pre. Tr. for rabies	Total Cost	Syringes and intraspinal outfits
October	102.40	2670.75	217.60	.....	106.00	4.95	73.35	18.80	60.00	3,253.85	241.35
November	384.80	3954.90	268.80	.....	167.00	6.75	122.85	7.10	90.00	5,002.20	282.05
December	197.80	2914.05	239.00	.....	47.00	4.05	15.30	4.00	.....	3,421.20	247.05
January	249.20	3426.15	304.00	12.50	130.00	3.15	53.55	15.00	30.00	4,223.55	322.15
February	327.80	2634.90	217.40	26.25	51.00	3.15	45.90	2.80	30.00	3,339.20	223.35
March	332.00	2227.80	197.80	.....	113.00	8.10	22.05	.60	.....	2,901.35	206.50
April	185.60	1298.85	73.00	.....	94.00	7.65	47.25	2.80	30.00	1,739.15	83.45
May	157.40	933.90	77.60	.....	69.00	.....	31.05	.....	15.00	1,283.95	77.60
June	209.80	1139.85	87.20	2.50	63.00	.....	53.55	2.60	60.00	1,618.50	89.80
July	100.60	1963.35	169.20	.....	99.00	14.40	114.30	2.00	15.00	2,477.85	185.60
August	122.40	1461.90	103.60	.....	22.00	2.70	72.30	.90	75.00	1,800.80	107.20
September	131.40	2474.70	192.80	.....	50.00	9.00	104.25	8.60	.....	2,970.75	210.40
October	70.20	3843.60	183.00	.....	14.00	.90	43.20	1.20	30.00	4,186.10	185.10
	\$2571.40	30944.70	2331.00	41.25	1025.00	64.80	798.90	66.40	435.00	38,278.45	2,462.20

Gross Cost..... \$38,278.45
 Less Revenue..... 2,462.20
 Net Cost..... \$35,816.20

THE DISTRICT OFFICERS OF HEALTH PROVINCE OF ONTARIO

DISTRICT No. 1.

Comprising the Counties of Lambton, Middlesex, Oxford, Elgin, Kent and Essex. Taken over temporarily.

DISTRICT No. 2.

Comprising the Counties of Grey, Bruce, Huron, Perth, Waterloo, Wellington and Dufferin.

T. J. McNALLY, M.D.,

District Officer of Health, London, Ont.

I have the honour to submit to the Provincial Board of Health the following report for the year 1918 for the above Districts.

This year, as during the past two years owing to war conditions and the large area under supervision our attention and efforts have been largely occupied attending to and giving assistance when and where requested by Local Boards of Health so that systematic inspection of each municipality has not been possible.

Notwithstanding the conditions as mentioned above I have visited each city in the Districts several times, most of the towns once or oftener and many of the rural municipalities as well.

I have especially emphasized upon local authorities when visiting them the importance of constant supervision of their water supply, and the disposal of sewage and garbage in a sanitary manner.

It is pleasing to note the ever increasing interest manifested by the public in protecting themselves against contracting disease through these channels of communication though all too often systematic supervision is only taken by the local authorities when an epidemic has shaken them from their ignorant, careless or indifferent attitude towards protecting their community.

That this may not be a reproach to us as guardians of the Public Health and to correct this condition I respectfully urge the Provincial Board to require from each Local Board where there is a municipal water supply a bi-weekly examination of the water by one of the Provincial Laboratories or some authority approved by the Chief Officer of Health, and where such examination shows a suspicious condition that the District Officer be notified at once to investigate the cause and report to the Provincial Board the result of his inspection and the measures taken to correct the condition.

The necessity of some such regulation was painfully impressed upon me by the most serious epidemic from water infection that I have had to deal with since I have been acting as your District Officer, and which occurred this year at Chatham.

I called upon the local authorities in the early part of the season and directed attention to the necessity of frequent examination of the water supply. An examination was made in June which was reported upon, showing colon bacilli in 25cc, but it was not examined again for about a month when it was found to be seriously contaminated, and in the interval the damage was done.

The first case was reported on July 23rd, and the epidemic of typhoid raged for a couple of months with the last secondary cases reported in November: in all 162 cases in the city with 16 deaths, and 62 cases from outside municipalities treated in Chatham hospitals with 8 deaths besides many cases treated in surrounding municipalities, traceable to the same source of infection.

It appears to me a reasonable inference that had there been a bi-weekly or more frequent examination of the water supply and the first suspicious result of examination sent to the District Officer some of this fatal epidemic might have been avoided.

Once the epidemic was recognized every effort was made by the local authorities, assisted by the Provincial Board to eliminate the cause and curtail the ravages of the disease.

In addition to the old measure inoculation of the public with antitoxin was generally adopted as a preventative measure and I have reason to believe with excellent results, judging from the fact that notwithstanding the severe mental and physical strain to which the nurses in both hospitals were subjected and the fact that they cared for over two hundred cases, many of very severe type not one of them came down with the disease, they having all been inoculated.

The board of health had a medical man appointed to give inoculation free to all who wished it: 1,400 were treated by him with free antitoxin supplied by the Provincial Board, besides a much larger number treated by their family physician.

The water supply of the city is now under the personal supervision of Dr. Mustard who makes a daily examination and supervises the treatment and chlorination most efficiently.

There was a small outbreak of typhoid at Owen Sound due to contamination of one of their sources of supply: this was checked up early and the spring cut off and it will not be used again until the supply from it is filtered.

Our rural municipalities are supplying altogether too many cases of this disease though the cases are mostly isolated.

NUISANCES.

Among the larger and more serious conditions complained of and corrected during the year are the following:

Lucknow.—The G.T.R. cattle yards.

Sarnia.—The city garbage dump, situated in the Township of Sarnia while not yet out of existence is carefully handled under Inspector Crosby, and the city is proceeding satisfactorily towards providing incineration.

Kitchener.—The city garbage dump situated in the Township of Waterloo. This appears to me the most glaring infraction, without cause, of the Health Act that has come under my observation, as the City owns and heretofore operated an incinerator and was drawing the garbage past it to the dump.

Abatement of the condition was only obtained when the township authorities sought relief through process of law.

Arthur.—The village drain has at present been removed from the list of nuisances after considerable effort on our part.

Here I am afraid it is necessary for me to record some failures (for the present at least).

London.—Nuisance caused by the effluent of Hyman's Tannery.

Tillsonburg.—Contamination of the stream from the Creamery.

Norwich.—Contamination of the stream by the Creamery. Nor has there been any attempt on the part of the offending parties so far as known to me to correct conditions complained of, though in all cases promise of abatement has been given.

MEAT AND MILK SUPPLIES.

I regret to notice that in some municipalities visited the local authorities have eased up in their supervision of Slaughter Houses and meat since I have been unable to make regular tours of inspection. This is especially noticeable where the business has passed into new hands and the regulations have not been brought directly to their notice.

The milk supply of all cities, most of the towns and some of the villages in the Districts under my supervision are now being inspected under local by-law so that there is a decided improvement in the cleanliness and quality of this food.

RURAL SCHOOLS.

The continued inspection of the rural schools by the Local Health Officer is gradually bringing about a betterment of sanitary conditions, especially where action is taken in conjunction with the school inspector who has power to withhold grants until the improvements recommended by the Health Officer are effected.

COMMUNICABLE DISEASES.

Smallpox.—This disease made its appearance in several municipalities during the year but in mild form, and was taken care of by the Local Board except in a couple of instances where I was called in to give some assistance.

Scarlet Fever.—During the year, scarlet fever was reported from several points but did not assume the form of a general epidemic, being confined to a moderate limit by the Local Officer in every instance.

Tuberculosis.—This disease is still claiming too many victims though an advance in its early recognition by the general practitioner is gradually taking place and early treatment being adopted is leading, I believe, to a larger per cent. of recoveries than formerly though we are yet weefully short of local institutions to properly care for those affected.

Diphtheria.—The general incidence of this disease is being materially lessened by the use of antitoxin as a prophylaxis and its early use in full dosage where the disease has developed.

The more general search for carriers and their quarantine and treatment has been markedly successful in controlling and stamping out the disease as demonstrated in Kitchener, Owen Sound, Walkerville, Windsor and their neighbouring municipalities.

Measles.—This disease appeared in several municipalities in mild form during the year, but has not gained any widespread epidemic form as in 1916.

Mumps and Whooping Cough.—These so-called youthful maladies have made frequent appearance but I have not been called upon to give the Local Officer assistance as they have usually been confined to a few cases by him.

Influenza and Pneumonia.—In our endeavour to control the ravages of these diseases during the months of October, November and December we are forced to admit a real reverse to preventative medicine and Public Health work.

Their incidence was general and their type the most severe ever known, claiming victims not alone from the weak and aged but for the most part from the strongest and best of our people.

In District No. 1 the victims numbered nine hundred and seventy-three, and in District No. 2 there were nine hundred and seventy-one fatalities.

In view of the recurrence of these diseases in epidemic form isolation of all cases, especially early ones, seems advisable.

DISTRICT NO. 3.

Comprising the following Counties: Norfolk, Haldimand, Welland, Lincoln, Wentworth, Brant, Halton, Peel and York.

D. A. McCLENAHAN, M.D.

District Officer of Health, Hamilton.

The year 1918 was one of increased activity along public health lines—I think we are beginning to get results following the gradual education of the public. We make progress only as fast as we have public opinion behind us. In my meetings with Boards of Health and Township Councils, also Women's Institutes, I have tried to point out to them that the old theories of public health that were in vogue twenty to twenty-five years ago will not do for to-day. It will not do for instance, to say that we have a case of typhoid fever in a house because there are decaying vegetables in the cellar or that we have a case of diphtheria because there is a pin point hole in the plumbing in the bath-room. The public must be taught that cases of infectious diseases come from previous cases and that they must be reasonably fresh cases. This explodes the old idea that dirt produces disease, because so far as we know there is no such thing as spontaneous generation of disease germs. The public must be made to realize that while infection may spread by water, food, milk and flies that a more important route is by contact. People are very prone to look for the cause of infection in the obscure route because it appeals more to their ideas of the bizarre, when the real cause or route of the infection is close at hand and simple.

I have tried at these meetings to tell the people something about bacteria—how they live and are disseminated and to show them that we do not get, say, scarlet fever by the scales being sent in a letter by a patient who had scarlet fever months before. Our Sanitary Inspectors must be taught that the garbage pail at the back door is only a menace to health when we consider it as a possible breeding ground for flies, that the public health workers should not be considered as street cleaners and that there are vastly more important things in the prevention of disease than in cleaning of streets and collection of garbage—these are necessary though from an aesthetic point of view. At the same time at these

meetings I have pointed out to the people the real need there is for a proper control of the milk supply, close supervision of communicable diseases including tuberculosis and venereal diseases—prevention of breeding of flies, and the furtherance of child welfare.

Throughout my District in 1918 there were a large number of farmerette camps located at different points. I made an inspection of the camp and its surroundings in each case and also had samples of water taken and warnings issued to the girls where the water was found to be polluted. Camps were located at Burlington, Vineland, Niagara-on-the-Lake, Winona, Beamsville, Clarkson, and a number of other points, the girls were advised to be inoculated against typhoid and were in a number of instances inoculated free of charge.

In May, 1918, a complaint came to me from Fort Erie about the milk supplied to the citizens of that village. I took a sample of the milk and on examination for butter fat it showed a percentage of 2.2. This could only mean that the milk was being watered. An information was not laid in this case but the milk suddenly improved in quality; later I was informed that the same milkman had lost a cow from his herd through death from tuberculosis. I went to see him about the matter and he was quite willing to have the balance of the herd tested by tuberculin and get rid of any tubercular cattle. I had word subsequently from the veterinary surgeon who had charge of the herd that everything was now satisfactory and there were no tubercular cattle in the herd. There seems to be a weakness in the Federal and Provincial laws in that there is no authority to go upon a farmer's land and order him to have his cattle examined for tuberculosis if it is suspected in the herd. In the above case I pointed out to the owner that it was in his interest to have his herd above reproach as no one would buy the milk if suspicious of the health of the cattle. He was willing to co-operate.

During 1918 I was very much interested in the municipality of Crystal Beach. Crystal Beach is a police village and is very anxious to have sewers and a sewage disposal plant as well as a waterworks system. They have established a system of outdoor closets with buckets and have a garbage and night soil collection system. The system is a failure because of want of supervision—the Sanitary Inspector appointed by the Township Council has been ill and there was no one appointed to attend to his duties and that left the man who did the collecting of the night-soil practically an autocrat and if any one complained then he would not collect for them at all. I saw the Township Council and a number of the residents of Crystal Beach at a meeting in Ridgeway and they agreed to appoint a Sanitary Inspector at once and see that the collecting was done regularly. Another difficulty in Crystal Beach was that the residents had nowhere to dispose of the waste water and surface water. Mr. Dallyn, Engineer of the Provincial Board of Health, visited Crystal Beach with me and looked over the situation and gave the citizens an idea as to what the proposed improvements would cost them. I do not know what action has been taken since in the matter but have had no more complaints. A large number of complaints were investigated in different municipalities.

In the month of June I visited along with Dr. Maw, of Caledonia, all the schools in the Township of Oneida. Dr. Maw is the M.O.H. for the township.

We visited the schools and besides inspecting the school building and surroundings we gave talks to the children and tried to interest them in public health work.

In July I was called to investigate complaints in Port Colborne, Georgetown and Simcoe.

The year 1918 will be remembered as the year of the great scourge, namely, the so-called Spanish influenza. This disease is passed from one to another by contact, very often by droplet infection. Public opinion in a good many cases forced the M.O.H.'s and Boards of Health to close schools, churches, theatres, etc.—this procedure is of doubtful value—the disease seemed to begin—the number of cases increase up to a certain peak and then there was a decline. If the schools and churches, etc., were closed at the peak of the epidemic then every one was sure that it was a very valuable proceeding, but if the schools, etc., were closed at the beginning then the results were not so good as the epidemic kept spreading up to a certain point and then declined. During the recrudescence of the disease the same thing occurred. The spread of the disease seemed to be stayed only when the most of those not immune had contracted the disease. In the cities and towns the great need was for some place to put those who were ill and had no one to look after them. There was also great need for volunteer nurses and a great many with a self-sacrificing spirit beyond praise came forward and rendered very valuable help. The medical men were greatly overworked and a number of them lost their lives through their devotion to duty. The best results from treatment were observed where the patients went to bed at the onset of the symptoms of the disease. Serums seemed to have no prophylactic or curative value.

DISTRICT NO. 4.

Comprising the Counties of Prince Edward, Hastings, Northumberland and Durham, Peterborough, Haliburton, Ontario, Victoria, Simcoe and Muskoka.

GEO. CLINTON, M.D.

District Officer of Health, Belleville.

I have the honour to herewith submit for your consideration a condensed report for 1918.

Early in January at the request of the Provincial Secretary, Hon. W. D. McPherson, and Chief Officer Lt.-Col. J. W. S. McCullough, M.D., D. P.H., I started on a tour of inspection to assist the work of Mr. Dunlop, Chief Inspector of Prisons, etc.

I first visited Kingston and inspected the following:—

Kingston.—General Hospital, Hotel Dieu, St. Mary's on the Lake Orphanage, House of Refuge, House of Industry, Home for Friendless Women and Children, Protestant Orphanage.

Belleville.—General Hospital, Children's Shelter, House of Refuge for Hastings County, Gaol, Home for Friendless for City.

Peterborough.—Nicholls Hospital, St. Joseph Hospital, St. Vincent Orphanage, St. Joseph House of Providence, Protestant Home, Isolation Hospital.

Lakefield.—County House of Refuge for Peterborough County.

Cobourg.—Hospital, House of Refuge, Asylum for returned soldiers, Gaol.

Port Hope.—Hospital.

Bowmanville.—Hospital.

Oshawa.—Hospital.

Whitby.—Gaol, Whitby Hospital for Soldiers.

Lindsay.—Hospital, Gaol, House of Refuge.

Full reports of these were sent to Mr. Dunlop in parts of January and February, 1918.

I endeavoured to make a general sanitary survey when at above-named places.

In March I made a general survey of the factories in Peterborough. Detailed reports have been given. The general conditions in the city were unchanged.

April 30th I visited Madoc Village and Hungerford Township—found some improvement.

May 8th, I was at the British Chemical Company, Trenton. The main boarding house, office and club all have septic tanks and sewerage well cared for. Water supply was taken from river, but a good mechanical filter. Several shacks outside of the company's ground were in a dirty, bad condition and crowded. Some typhoid. I drew the attention of the M.O.H., and Sanitary Inspector of the conditions and they promised to give it attention.

May 9, Mohawk, Royal Flying Corps were stationed. This camp had been put out of bounds as there had been smallpox in Belleville. I assured them all danger was over. At that time large sums were being spent to make it a perfect, permanent, sanitary camp.

May 8th, at Trenton. No special changes. Not as good as it should be.

May 15th, at Wellington settling dispute between baker and butcher, which I did.

May 22nd, at Oshawa. M.O.H. Dr. McKay told me no changes since my last visit except a new shifting sand filter working well.

July 10th, Hallowell Township, Prince Edward County. Found two slaughter houses in a filthy condition—had to prosecute one. The M.O.H., Dr. Cahoon, and Warden of County accompanied me. These two butchers had retail shops in Picton.

August. At Hastings Village I found a retail butcher shop and slaughter house out of the village so filthy and numerous flies, that I forbade selling another pound of meat or slaughter of any more animals until he fulfilled the regulations to the satisfaction of the local board of health. The local board of health informed me he did so at once. These were the only special cases that gave trouble.

July 3rd. I visited Peterborough Lakes with Dr. Adam Wright, viz., all summer resorts on Clear Lake, Stoney Lake, Burleigh Falls, Buckhorn and Oak Orchard.

July and August. Algonquin Park.

Dr. Bell and I left Toronto for Lake of Bays, hence to Huntsville, Peninsular Lake, Fairy Lake and Mary Lake, visiting every summer resort on all these.

From Huntsville to Algonquin Park, at all the resorts at Minnissing the sewerage was bad and closed the following week. Nomingan much better. The Highland Inn was satisfactory. Two others, Algonquin Hotel on Joe Lake very good; Mowat Lodge on Canoe Lake requires much repairs.

Then from the Park to Rose Point near Parry Sound, hence to Pointe au Baril—two very good hotels, viz., Ojibway Hotel and Skarrava.

Then from Pointe au Baril to Bala on Muskoka Lake, Lake Joseph and Rosseau. There were very little changes on these lakes in the past year. The Royal Muskoka had repaired the sewage filter beds and installed a modern incinerator.

Early in April we had a small outbreak of smallpox in Belleville brought here by a soldier from down east. Dr. Yeomans had it well in hand when I was called. Only three families, all mild cases.

There were no other severe epidemics until influenza came in the autumn. I

have been unable to get the number of cases. Later on it spread to the country districts. Many cases were fatal.

All canning factories were inspected and found much improved.

There has been no marked epidemic in my district until the influenza came. Altogether it has been a satisfactory year's work.

All of which is respectfully submitted.

DISTRICT NO. 5.

Comprising the Counties of Lennox and Addington, Frontenac, Leeds and Grenville, Dundas, Stormont and Glengarry, Prescott and Russell, Carleton, Lanark and Renfrew, and the City of Kingston.

LT.-COL. PAUL J. MOLONEY, M.D., C.M.

District Officer of Health, Cornwall.

Dr. J. W. S. McCullough, Chief Officer of Health, Toronto, Ont.

SIR,—I have the honour herewith to submit my annual report, for the year 1918, of my work in District No. 5, comprising the Counties of Lennox and Addington, Frontenac, Leeds and Grenville, Dundas, Stormont and Glengarry, Prescott and Russell, Carleton, Lanark, Renfrew and the City of Kingston.

The district had a population by the last census of 326,958 people.

Outside of the urban population the residents are almost entirely engaged in mixed farming.

In the towns and cities a fairly large percentage are employed in the various manufacturing concerns, principally in the cotton and paper mills and the iron working establishments and in smaller numbers in lumber mills, furniture factories, woollen mills, etc., etc.

While in the northern parts of this district we have large settlements of residents of German and Polish extraction, and those of the County of Prescott and parts of the adjoining counties are largely French-Canadians, the bulk of the people are of British and U.E.L. stock.

One result of the war in this district has been a very marked improvement in the financial position of farmers and their desire and ability to instal modern sanitary conveniences in their homes. It is a depressing fact that notwithstanding the natural advantages for the promotion of health to be found in the open country, there is more sickness prevalent, and the people in the aggregate live shorter lives than in the towns and cities.

This is due largely to the want of proper sanitary conveniences in the homes and dearth of knowledge of the laws of public health. In the towns and cities the municipal authorities are compelled by public opinion and by the law to supply the inhabitants with pure water and proper sewage disposal works and knowledge of the laws of health especially as regards the benefit of sunlight in the homes and proper ventilation is more general.

Almost all the villages, towns and cities are situated on some large or small river with which this part of the Province is abundantly supplied, but in the great majority of cases their municipal water supply is more or less contaminated by sewage pollutions from other urban centres further up stream. Most of the towns had installed sewerage systems before the Provincial Board had decided to prohibit the installation of sewerage systems without proper disposal works being

included as part of the plant. These conditions have been allowed to continue owing to the war and the resulting financial conditions.

For many years at Public Health Conventions, it has been a contentious point as to whether for the purpose of supplying a pure water supply the first move should be the elimination of the contamination of our rivers and lakes or the immediate purification of the water supply by filtration and chlorination. The former is no doubt the proper object to be ultimately aimed at, but it is likely to be attained only in the distant future. Immediate treatment by filtration and chlorination is now generally observed. An up-to-date system has been recently installed in Hawkesbury and another is under contract for the Town of Rockland.

In connection with water purification plants municipal councils should not only instal up-to-date systems but also be most careful in the selection of those who are to be charged with their operation. In all cases conscientious, well paid employees only should be engaged, as no matter how excellent the modern plant may be it is only by constant, careful supervision that the proper results can be obtained at all times.

During certain periods the results obtained at Kingston, Renfrew and Smith's Falls were far from satisfactory.

Apart from extensions of the present systems no new municipal sewage systems have been installed in this district or additional works constructed to purify the effluent.

The inspection of milk, meat and other food products in the district was fairly satisfactory, but no regular system of inspection has been carried out—most municipal councils objecting to this on account of the expense involved.

Slaughter house conditions are improved but still far from satisfactory, many out of the way and most unsanitary places being used for occasional slaughtering. At the same time quite a few up-to-date plants have been installed.

SUMMER RESORTS.

This district is unusually favoured with many widely known summer resorts, the more notable being those on the St. Lawrence, including the Thousand Islands—the Rideau Lakes and the Charleston Lake. Excepting with regard to those on the St. Lawrence the law against contamination of the waters by the cottagers has been fairly well enforced. Where there are in the aggregate several thousand summer homes scattered over a very wide area some delinquents are overlooked, but prompt reference to the courts of detected cases has tended to keep the waters of our summer resorts unequalled for purity by any others equally populated in the country.

Action in the case of the St. Lawrence resorts has been stayed until the report of the International Waterways Commission has been issued, as it is likely an international understanding between United States and Canada will be arrived at so that there will be a uniform enforcement of sanitary regulations.

COMMUNICABLE DISEASES.

During the year the district had a bad epidemic of Spanish influenza. Small-pox, also, was very prevalent in the early months of the year. Special reference will be made of these in a separate paragraph. Apart from the above the district was unusually free from communicable diseases.

Sporadic cases and small outbreaks of infantile paralysis, scarlet fever, diphtheria, measles, and whooping cough occurred in various localities but they were easily controlled.

The public health besides the ordinary routine work of a district officer has been promoted during the year by a series of public lectures and the distribution of pamphlets and other literature dealing with health problems.

A detailed report of the work performed has been sent to the Chief Officer of Health from time to time.

During the year a sanitary inspection was made of two insane asylums, twelve hospitals, seven houses of refuge, six orphanages and children's shelters, and seven gaols.

Faults in construction, lack of equipment and any unsanitary conditions were brought to the notice of the proper authorities and the necessary changes ordered.

A routine sanitary inspection has been made of all the principal towns and villages and also of others when special conditions called for it.

This office has been used more extensively than in past years by the local medical officers, boards of health, municipal councils and individuals as a source of information regarding interpretation of the Health Act, advice on general sanitary matters and as to control of communicable diseases. All communications have been attended to as promptly as possible, some delays being inevitable owing to absence from my office.

Besides the regular routine work special visits have been made in some cases as many as ten times in connection with sanitary matters to Calabogie, Arnprior, Renfrew, Clarence Creek, Bourget, Cumberland, Rockland, St. Eugene, Vankleek Hill, Hawkesbury, Napanee, Portland, Sydenham, Cardinal, Gananoque, Mountain, Smith's Falls, Perth, Alexandria, Camden, Kingston, Carleton Place, Shabot Lake, Almonte, Maxville, Morrisburg, Westboro, Ottawa, Carp, East View, Finch, Winchester, Brockville, Pembroke, Petawawa, Lancaster, L'Orignal, (Pembroke), Elgin, Athens, Prescott and Iroquois.

The smallpox epidemic in the first months of the year and that of Spanish influenza in the latter months of the year require special mention.

SMALLPOX.

In the latter months of 1917 and during January and February smallpox was epidemic in Hawkesbury, Vankleek Hill and the surrounding country.

Except for a few exceptions the disease was of a mild form and resulted in no deaths except in children prematurely born. Two of the latter died in Hawkesbury badly covered with the smallpox rash.

In Hawkesbury 248 cases were reported and in this district there were at least five hundred cases.

Vaccination especially in the towns was well observed, the Provincial Board of Health supplying 6,000 vacc. points free.

Minor epidemics occurred in Alexandria and Renfrew, and the thorough and prompt measures taken in these outbreaks by the local authorities and Health Officers Drs. Hope and McCann had excellent results, and in marked contrast to the results achieved in other municipalities.

Many school boards in the district now make the presentation of a certificate of successful vaccination against smallpox a condition for the reception of pupils to their schools. If this practice was general those recurring epidemics of smallpox in this district would eventually cease.

SPANISH INFLUENZA.

Reports in press of the ravages of this disease and warnings by the Provincial Board and local officers of health had very little effect in causing the different municipalities to prepare effectually for its onset.

Although the most urgent demand during the height of the disease was for doctors, experience showed that what was most needed was nurses, trained and untrained, the latter often proving in cases where the whole or greater part of the family went down of greater practical usefulness than the former as they took the part not only of a nurse to the best of their ability but as housekeepers as well.

So many divergent views are expressed by eminent authorities as to the causation and spreading of this disease that the medical profession and general public are at a loss as to what steps to take to guard against its onset and dissemination.

From a study of the epidemic in this district I venture to make the following observations:

The greatest danger is from panic. Places which had thoroughly prepared for the disease by organizing the medical, nursing and hospital arrangements and then waited in confidence for the outbreak have had a very low case and death rate.

Crowding together of people where they come in close or actual contact spreads the disease.

The wearing of masks, although theoretically a great preventative is not practical.

Putting the patient to bed in the early stages of the attack and keeping him there until well over the disease with the best nurse available gives the best results. The confidence inspired by the physicians' visits also helps.

As authorities tell us we should expect another outbreak next year Health Boards should organize their resources well in advance.

A body of voluntary, practical nurses, preferably with at least a short period of training, under capable leaders with a central headquarters supplied with the needed medical and other supplies and with adequate means of transportation should be organized in every municipality. This would be in addition to the regular professional nurses who are, of course, always available as far as their numbers will permit.

Every effort was made by this office to supply doctors and nurses to the affected sections, and most valuable aid was received from Dr. McCullough, Chief Officer of Health, especially in the early stages of the outbreak. For example, we were able to send fifteen nurses to Renfrew within two days from the call for help—later all the sources of supply were exhausted and little could be done to aid affected localities. A few doctors and a number of final year medical students from Montreal and elsewhere gave most valuable assistance.

The mortality varied greatly from Morrisburg where they had no deaths to some small villages where 10 per cent. of the inhabitants died. Cornwall, Renfrew and several other towns had a death rate of one per cent.

Here as elsewhere the majority of the deaths were among strong, healthy adults.

NORTH BAY, ONT., Jan. 1st, 1919.

DISTRICT NO. 6.

Comprising the Districts of Nipissing, Parry Sound, Sudbury and Temiskaming.

DISTRICT NO. 7.

Comprising the Districts of Kenora, Rainy River, Thunder Bay, Algoma, Manitoulin and Patricia.

Major Robert E. Wodehouse, M.D., Port Arthur (now on active service C.E.F.). District taken over temporarily by Dr. George.

W. EGERTON GEORGE, M.D.

District Officer of Health, North Bay.

Although the expense incurred shows a decided increase it would have been materially greater had not one of the trips to the west been made at the expense of the Department of Prisons and Charities. The trip was in fact in the interest of public institutions, but it was also used to further our observations and assist Public Health measures. The total expense for the year to the Department of Public Health was \$1,073.00 which was divided in the following proportions, \$312.43 in District 7, \$760.57 in District 6. The general rise in hotel rates and transportation is responsible for the increase over last year. A much needed advance in my accountable warrant from \$200.00 to \$300.00 was made toward the end of the year and had the effect of preventing the use of private funds for public expense. The long western trips which keep me away for several weeks at a time made such an advance imperative. During the year I travelled 27,100 miles.

This vast area of Northern Ontario through which three Transcontinental Railways run more or less parallel for over 1,000 miles, separated about 300 miles at their widest point, constitutes Health Districts 6 and 7. Three or four railways run north and south dividing the country into more or less rectangular areas. These large open spaces are receiving increasingly greater attention from large corporations representing paper, minerals and lumber. Good farming land reasonably accessible to the railways is rapidly being taken up. Towns of considerable importance spring into existence within a short time after one of these industries are located. As much of the operations of these concerns is in unorganized territory, the Health Regulations are largely under the supervision of your officials. So much of the time of your District Officer is taken up with these matters, in company with the Provincial Sanitary Inspector, that it becomes increasingly necessary that additions be made to the staff in order to protect those employed in unorganized territory; the health of whom is often hazarded negligently, carelessly and inadvisedly by these corporations. The conditions found on the premises of the few concerns that have received some attention have revealed such an alarming state of affairs that your officials surmise that many dangerous conditions exist which only await the inevitable results to have them brought to our attention. The responsibility for these results must be assumed. It is also clear that they cannot be prevented by the limited staff now devoting their time to this work, since if it were possible to see a new work every day for

the whole year not over half would be seen. Second, third and fourth visits are continually required to effect the necessary changes, and hundreds of miles must be travelled to reach them. Indeed, new industries are being established almost, if not quite, as fast as can be supervised.

COMMUNICABLE DISEASES.

The total returns for communicable diseases were as follows:—

	District 6.		District 7.	
	Cases.	Deaths.	Cases.	Deaths.
Smallpox	21	1	10	0
Scarlet fever	20	1	327	6
Diphtheria	55	9	62	8
Measles	126	5	732	2
Robella	0	0	24	0
Whooping Cough	9	1	188	6
Typhoid	50	4	22	3
Tuberculosis	7	11	20	24
Infantile paralysis	0	0	8	1
Cerebro-spinal meningitis	0	2	3	1
Influenza	268	22	1,869	19
Chickenpox	2	0	103	0
Mumps	37	0	54	0

Scarlet Fever.—Fort William and Port Arthur were responsible for almost 90 per cent. of the scarlet fever, but not much more than 50 per cent. of the deaths. The disease has existed in these cities for over a year. Investigation shows the disease to be of very mild form: not more than 50 per cent. developing the rash. Those without the rash are not being reported: so that possibly half of the cases are running at large thus keeping the epidemic going. The missed cases or carriers I have just described are not included in the returns, and therefore the number of cases are not represented by the figures given above. Influenza during the latter part of the year seemed to increase the proportion of those showing rash. This resulted in a great increase in the number of reported cases, since rash was the cardinal symptom upon which reporting depended. The mildness of this outbreak presented such great difficulties in the way of control, as evidenced by the length of time the disease has been prevalent, that I discussed the matter with a number of prominent Public Health men both at Hamilton Conference and the Chicago meeting. The best information I could obtain ascribed the perpetuation of the epidemic to the missed case. In order to give them the benefit of this conclusion I decided to proceed to Fort William at an early date.

Diphtheria.—Diphtheria never became a serious problem within either district. First cases were frequently fatal; but as soon as energetic measures were taken the disease was easily eliminated. The mortality varies very noticeably in different sections. Dr. Mason, the efficient Health Officer for Parry Sound, reports a mortality of close to 50 per cent. in that municipality. Fortunately, however, the town has been comparatively free from diphtheria during the year.

Measles.—In District 6, the most serious outbreak occurred in Copper Cliff. Seventy-seven cases and three deaths were reported. I regret that I was not able to visit the town during the epidemic.

In District 7, Sault Ste. Marie and vicinity (Korah Twp.) contributed some 548 of the cases reported; while official notification of smaller epidemics was received from Schreiber, Eagle River and Rainy River. The small number of

deaths reported on the weekly cards does not accurately, nor even approximately, represent the number of deaths from the disease. Two deaths only were reported on the weekly return cards from the Soo, while I distinctly recollect that there were at least nine deaths. I would strongly advise that during epidemics the Department check up the deaths reported on the weekly return cards with those reported on the death cards. A reasonable approximation should be possible which the present facts do not show. One observation made at this place was indeed interesting. A number of school children (20 to 30) claimed to have had measles four times while at least twice that number claimed to have had it three times. Undoubtedly a large proportion of these were cases of Rubella; but I was convinced that second attacks were hardly to be considered rare. Below is a list of the measures found most useful.

First. Teachers were informed that cough was sufficient reason to suspect measles and that they must on the authority of the Health Officer send all coughing children home. These were reported to the M. O. H. who kept them under observation for a week. Nurses visited the schools to check up the teachers.

Second. Sunday schools and picture shows were closed to children under fifteen years. Prosecutions were required and resorted to, to get strict compliance with these orders. Admitting the difficulty of reaching a conclusion as to the effectiveness of measures adopted in measles, I was convinced that our efforts were important factors in the rapid decline in the number of cases which immediately followed.

Whooping Cough.—The only important epidemic of this disease was in Fort William where over 100 cases were reported with three deaths. It is unfortunate that we have no records at this office to assist us in arriving at the ages which were most frequently responsible for deaths, both for whooping cough and for measles.

Typhoid.—It is gratifying to note the returns for typhoid fever in both districts. There were seventy-two cases and seven deaths reported; not more than three per hundred thousand. The old chronic contributors, such as Parry Sound, Haileybury and Sudbury, were still in evidence with their quota of seven, five and six, respectively.

Tuberculosis.—Tubercular returns are anything but satisfactory. More deaths than cases were reported from both districts. No doubt your officials share in the responsibility for this lack of compliance with the regulations, but the weakness is so general that it will require the combined and thoughtful efforts of all, in order to obtain a reasonably accurate idea of the prevalence of tuberculosis in Northern Ontario.

Influenza.—This was by far the most serious scourge that has visited Northern Ontario during my tenure. The outbreak began in September and was still active at the end of the year. Only a very few municipalities reported their influenza cases, yet there was a total of 2,137 cases and 111 deaths. The outlying unorganized territory suffered greatly from lack of medical aid and nursing attention. Indeed, during each visit to outlying localities your officer was required to spend considerably more time than his official duties demanded in attending the sick. This was unfortunate since his presence was in urgent demand in so many places.

Closing of schools, isolation, reporting and placarding have not proved efficient measures in handling influenza. Vaccination, masks, elimination of crowding and the use of common towels and drinking cups have been more effective and have

received general recommendation and approval. In connection with the danger of the further spread of "flu" in the next year or two I took up the matter of common towels and drinking cups with the Temiskaming and Northern Ontario Commission, who referred the question to the Canadian War Board along with the argument for their elimination. The Railway War Board was so impressed that they ordered the use of these to be discontinued on all the railways in Canada including stations and bunk houses. The Commission of the T. & N. O. kindly sent me a copy of the order complimenting your officer on the success of his efforts. Such approbation will commend itself to the Board, I am sure, since primarily it is their efforts that are producing results.

One important matter was overlooked by Health Officers in a number of municipalities. I refer to the admission of "flu" patients to the general public wards of hospitals where patients were recovering from operations. The explosive nature of the outbreak was largely responsible for this omission, but if lives were sacrificed a severe censure is due both to the Health Officers and also to the institutional management.

WATER SUPPLIES AND SEWAGE DISPOSAL.

The question of the purity of the natural waters of Northern Ontario is closely associated with the question of sewage disposal. For this reason I have decided to couple these two subjects under the one head.

In District 7 the water supplies for Fort Frances, Rainy River, and Kenora have been viewed as potential causes of typhoid since sewage empties into them with little or no treatment. Chlorination is being carried out in each pumping station, but filtration and sewage treatment will also be required in order to remove all the menace to these supplies. The efforts of the citizens of Fort Frances to establish a summer resort at the mouth of the river above the town must be considered another danger added to the previous difficulties. Rainy River, having received permission, intend to remove their intake to a point, not more dangerous, but nearer the town, so as to be used by the new pumping plant.

At Sault Ste. Marie an automatic chlorine plant was found on the ground but not in operation. I strongly recommend that it be installed in the old pumping station and transferred when the new station is ready. The man element is usually not reliable enough to be entrusted with hand mixing for a city of that size, especially when the water is known to be seriously polluted.

In District 6, Parry Sound, Sudbury, Haileybury and Smooth Rock Falls obtain their water supply from polluted waters without the proper safeguards. All are using chlorination systems, but sewage treatment is urgently required at Parry Sound and Haileybury. Recommendation for a safe and sufficient water supply for Parry Sound is in the hands of the Engineers, Chipman and Powers. The work was done over a year ago but no report has been brought down. One cannot help but suspect that the Council do not intend to take action or the report would have been demanded before this. Haileybury has a septic tank which is far from giving satisfaction: in fact, it has been more or less out of repair for some time. For this reason a greater efficiency is required of their filters than can be expected, especially when the wind carries the effluent from the septic tank in the direction of the mouth of the intake pipe. Sudbury and Smooth Rock Falls have chlorination systems too small to handle the quantity of water being pumped. This matter has been brought to the attention of responsible parties in each case, but I fear without results.

The British American Nickel Company have installed an automatic chlorination plant at their works at the old Murray mine outside of Sudbury. A small filter also adds a degree of security to their water supply.

The Canadian Copper Company have agreed to follow the suggestions of our Sanitary Engineer and endeavour to obtain sufficient well water for their roasting yards. At Turbine after the menace of their water supply was pointed out their intake was carried above their construction works in order to guard against pollution.

I regret to have to report that the Engineers for one of the northern towns ignored the Board in the matter of getting approval for their plans and specification before work was commenced. The matter was brought to their attention but the work was carried to completion without that approval. They have provided a sewer outlet into a river which is used for a water supply further down. I am strongly of the opinion that a serious menace is added to the dangers already existing in this water.

When the financial conditions resulting from the war reach a state of equilibrium a number of towns in these two districts should be forced to complete disposal works.

PRIVIES.

The method of collection of night soil needs urgent reformation in many northern towns such as Timmins, South Porcupine, Schumacher, Haileybury, New Liskeard and Dryden. In some places where the can system has been established, the cans are removed and no attempt made at collection during the winter months. Unnecessary dangers are thus created by the spring sun.

At Dryden certain thickets in the neighbourhood of the paper plant were in a very filthy condition because of faecal matter deposited there by the employees of the company. A new road which was put through cleaned up part of it and the company promised to remove the rest of the undergrowth.

At Haileybury the nuisance ground became very offensive because of the accumulation of dead carcasses. The municipal authorities were advised to take measures to have them burned.

UNORGANIZED TERRITORY.

The time which has been devoted to camp work in unorganized territory, in support of our capable Sanitary Inspector, has not been inconsiderable. One or two visits were made to the camps of the Mattagami Pulp and Paper Company, along the Mattagami River above Smooth Rock Falls. The camps of a number of other companies were visited along this same river above Timmins. A number of other visits were made into the mining camps in the Kirkland Lake and Boston Creek districts. Two interesting conclusions were made as a result of these visits regarding camps and their sanitary supervision. These were:—

First. The one regulation which permits of no infraction, without which all else is wrong, is that which relates to the location of a camp. It is the cardinal offence.

Second. The reason the physicians do not report on, or look after the sanitary conditions about their camps is to be found in the lack of specific remuneration for this work. They agree to do the sanitary work for nothing in order to get medical contracts for the supervision of the men. But since the company pays nothing for this work and discourages energetic measures, only the medical atten-

dance of the men receives attention. Since the men pay for this they demand reasonable compensation. I would strongly recommend that companies be asked to make provision in their contracts to meet the reasonable expense of sanitary supervision of their camps.

DAIRIES.

In the production of milk the standards of both quality and cleanliness have suffered greatly by the war, since competent help was not available to dairymen. Now the war is over this difficulty has been removed; and it remains for Boards of Health generally to see that they do not make this an excuse for further delay in order to make capital out of their past labour embarrassments. The standards of cleanliness must be raised to a point compatible with safety to infants; and the butter fat to a point of reasonable richness. That the milkmen take advantage of these excuses is demonstrated by the large amount of milk sold during the war below three per cent. of fat which is the standard of the Ontario Milk Act. Special attention was given to dairies at Kenora, Fort William, Port Arthur and Fort Frances. The standards maintained at Kenora were easily the highest. At Fort William I saw four poorly constructed and equipped dairies in the Slate River district. At Port Arthur they had a number of prosecutions for low fat until they began to publish the weekly records. Dairies at Fort Frances show marked degeneration. At the time of my last visit no dairy could be said to be reasonably good.

CONCLUSION.

For the past five years I have provided an office in a prominent business block which was close to my suite of living-rooms. I have decided to move into a house in the residential section and feel that I should not be expected to supply such an office further. The central location and accessibility has made this office important to visitors from out of town. Your officials at this point strongly advise that a general office be provided. Two Sanitary Inspectors are required to meet the obligations of the Provincial Board of Health set out in the early part of this report. Field work has frequently prevented prompt replies to correspondence and this has been a matter of outside complaint to the Department. The increase in staff, the urgency and the increase in quantity of correspondence, the number of business visitors from out of town, make the necessity for an office and stenographer almost imperative. Let me commend this necessity to your careful consideration.

REPORT OF THE BUREAU OF CHILD WELFARE

for the Year 1918

The Chief Officer of Health, Provincial Board of Health, Toronto.

SIR,—I beg to submit herewith the report of the Bureau of Child Welfare for the year ending December 31st, 1918.

EXHIBITS.

During the year's work emphasis has been placed upon the educational aspect, our chief endeavour being confined to the tour of the Exhibit throughout the Province. Owing to the fact that we have but one nurse, we have been unable to send the Exhibit to the following centres from which we received requests: Mount Albert, North Bay, Strathroy, Ayr, Burlington and Caledonia.

The Exhibit was shown in connection with the following events:

- (1) London Child Welfare Week, in February.
- (2) Toronto Household Exhibition, which was held in the Arena Gardens in April.
- (3) Fifth Annual Baby Week in Hamilton, during the meeting of the medical associations in June.
- (4) Ottawa Baby Week, in June.
- (5) Brampton Baby Week, in June.
- (6) Exhibitions and Fall Fairs:
 - Canadian National Exhibition, Toronto.
 - Central Canada Exhibition, Ottawa.
 - Vankleek Hill Fair.
 - Barrie Fair.
 - Patriotic Fair, Napanee.
- (7) Tours:
 - (a) Following London Child Welfare Week in February, the Exhibit visited the following points: Windsor, Tillsonburg, Welland, Niagara Falls, and St. Catharines.
 - (b) In May a short tour included Whitby, Oshawa and Port Hope.
 - (c) In July an itinerary was undertaken as follows: Sault Ste. Marie, Fort William, Port Arthur, and Espanola.

Owing to the influenza epidemic, the Exhibit was not shown during the last three months of the year.

A detailed report written by Miss Knox, nurse in charge of the Exhibit, and covering this portion of the work, is appended herewith.

LECTURES.

During the year the Bureau, upon request, sent a speaker to the following meetings:

- London Child Welfare Week,
- Ottawa Baby Week,
- Annual meeting of the National Council of Women,
- Annual meeting of the Women's Institutes of North Brant District,
- Mount Forest Women's Institute,
- Annual meeting of the W.C.T.U. at Stouffville.



Canadian National Exhibition, 1918.

CONVENTIONS.

The Bureau was granted affiliated membership in the American Association for the Study and Prevention of Infant Mortality, and was represented at the annual meeting in Chicago during the first week of December, by Miss Knox and the Director, who attended also the annual meeting of the American Public Health Association which followed. Representatives of the Bureau were also present at the Medical Congress in Hamilton in June, when joint meetings of the following organizations were held:

- (1) Ontario Health Officers,
- (2) Ontario Medical Association,
- (3) Canadian Public Health Association,
- (4) Canadian Medical Association,
- (5) Canadian Association for Prevention of Tuberculosis.

CHILD WELFARE WORK.

Manitoba Province.—In July a week was spent with the Provincial Board of Health of Manitoba, when your representative was given an opportunity to inspect the work which is being done by the Provincial Public Health Nurses. A rural school section north of Dauphin was visited, also Dauphin town.

Three days were spent in the city of Brandon, where the Provincial Board of Health has established a splendidly equipped Child Welfare Station in the Court House; the Board had also recently organized medical inspection of school children of the city. The Child Welfare Exhibit at the Brandon (Provincial) Fair was very complete and attractive, one building being given entirely to public health and child welfare.

At the time of writing the Provincial Board of Health employs eighteen public health nurses for infant welfare and school nursing, all of which work throughout the Province, with the exception of Winnipeg city, is supervised by the Board.

Winnipeg.—The Child Welfare Station and Dispensary maintained by the city of Winnipeg was visited. The institution has modern equipment and is filling a great need. Formulæ for the city's practising physicians are made up and sent to distributing centres where the mothers call.

Chicago.—Advantage was taken of the conventions in Chicago to see the work which is being done by municipal and private agencies in that city along the line of maternal and child care, medical inspection of school children, "Little Mothers' Leagues," etc.

CLIPPING BUREAU SERVICE.

The Bureau now subscribes to a Clipping Service covering Canada and the United States, which enables us to keep in touch with the various developments of the work.

INFLUENZA EPIDEMIC.

Following a public meeting held in the Parliament Buildings on October 16th, for the purpose of organizing voluntary workers for service during the epidemic of influenza, the registration of the helpers who were known as "Sisters of Service" was undertaken in the office of the Bureau. Approximately 375 volunteers were listed and in 481 cases assistance was supplied.

SUMMARY

As stated in the report of the Bureau last year, our work is concerned chiefly with the stimulation of local interest in Child Welfare work and giving to the municipalities all assistance possible in connection with the organization of the service on a permanent basis, whether under the supervision of the civic department of health or a private agency.

It is gratifying to be able to report that during the year many new centres have organized for the work, making the present total ten (10) as compared with four (4) a year ago.

ONTARIO MUNICIPALITIES HAVING CHILD WELFARE CLINICS.

1917	1918	Supervision	Clinics
Toronto	Toronto	Local Board of Health	23 per week.
Hamilton	Hamilton	Babies' Dispensary Guild	5 per week.
Ottawa.....	Ottawa.....	Local Board of Health	5 per week.
Ft. William (summer only)	Ft. William.....	Local Board of Health.....	1 per week.
	London	London Child Welfare Association ...	3 per week.
	Brantford.....	Social Service League	1 per week.
	Whitby	Victorian Order of Nurses	1 every two weeks.
	Port Hope	Medical Officer of Health.....	1 per week.
	Espanola	Medical Officer of Health.....	1 every two weeks.
	Kingston	Victorian Order of Nurses.....	1 per week.

All of which is respectfully submitted.

MARY POWER,

Director, Bureau of Child Welfare.

REPORT OF NURSE IN CHARGE.

In presenting a report upon the work of the Child Welfare Exhibit during 1918, I may say that the Exhibit was on tour from the first week of February until the outbreak of influenza in October, and was shown on 22 occasions, varying in length of stay from one day to two weeks.

Feeling that the mothers and children derive more benefit if a clinic or conference can be held, this year we requested each centre to make provision for this service in connection with the Child Welfare Exhibit. The table given below shows the number of defects found among the children attending the clinics for which records were available.

The clinic, sometimes called child welfare conference or consultations for mothers, consists of:

- (1) Weighing and measuring of the child by a nurse.
- (2) Examination by a physician.

(A sample of card now in use is shown herewith.)

No treatment whatever is given, all cases requiring medical care being referred to the family physician. It does, however, give the mother an opportunity to dis-



Canadian National Exhibition, 1918.

consult with the doctor matters pertaining to the baby's health. That the service is appreciated is shown by the fact that in every centre without exception mothers have expressed their thanks, and, where the work was not being carried on permanently, a wish that they might have the advice and help always available.

If permanent work is to follow the Exhibit clinic, it will be done by the local medical profession. Our usual procedure is, therefore, to have the committee request the local Medical Society to appoint the medical attendants for the Exhibit clinics. In this connection, I wish to express our appreciation of the splendid co-operation on the part of the physicians throughout the Province, who have given so generously their time and services to the mothers and babies of their respective centres.



.....
(Name of Municipality)

Name: Address:

Age: yrs. mos. days.

Weight at birth: lbs. ozs. Present: lbs. ozs.

Measurements—

Height: ins. Abdomen: ins. Head: ins. Chest: ins.

Feeding—

Breast: Yes No from to No. Mos.

Mixed: Yes No from to No. Mos. Specify

Artificial: Yes No from to No. Mos. Specify

Defects—

1. Eyes *General Physical Examination.*

2. Ears

3. Nose

4. Throat

5. Teeth

6. Skin

Clothing Doctor's Signature

(Clinic Card, Bureau of Child Welfare, Provincial Board of Health, Ontario.)

LONDON.

For their first Baby Week, held in February, 1918, London's Child Welfare Committee secured the organized assistance of the press, the city's hospitals, physicians and nurses; co-operating with the Bureau of Child Welfare they arranged clinics and exhibits; lectures and entertainments were provided which aroused the interest of the whole community.

The exhibit and clinics held in the Y.M.C.A. Building were well attended. Five hundred babies were weighed, measured and examined by the doctors and nurses during the week. Interest in the work never flagged, the last day having as large an attendance as the first.

The Exhibit was displayed in a large, bright room where it showed to the best advantage. We were much gratified with the interest manifested in the various posters, models and infant's layette.

Various local institutions and committees gave practical demonstrations in the care of the sick. The Victoria Hospital exhibited a contrast in obstetrical rooms. On one side of the partition an aseptic room, efficient, but quite within the means of the average home; on the other side, an example of the too common kind—dark, untidy, unsanitary and dangerous, a breeding-ground for disease.

The dietitian from Victoria Hospital, assisted by the nurses, prepared infant feedings and the proper diets for children from twelve months to six years. Nutritious school lunches were also temptingly displayed. The demonstrators were kept busy answering questions regarding the preparation of the different diets.

St. Joseph's Hospital showed how a mother could use the ordinary articles in her own home to prepare an efficient emergency croup tent.

During the afternoon, in the auditorium, moving pictures provided by the Provincial Board of Health educated the school children along health lines. Musical drills by the children, singing and addresses added to the enjoyment of the entertainment.

Every evening a very interesting programme, including addresses by prominent doctors and music by local talent, was given to enthusiastic audiences.

It was a big week, full of hard work on the part of directors, doctors and nurses, but the result fully justified all the expenditure of time and energy and money.

London now has a permanent Child Welfare Association employing a full-time nurse, and is doing splendid work.

ST. THOMAS.

At St. Thomas the coal shortage made immediate work impossible, but a committee was organized and plans drawn up for the holding of a Baby Week at a later date.

CHATHAM.

Chatham had previously sent a request for the Exhibit, but on our arrival there the Medical Officer of Health had to cancel all arrangements on account of the general smallpox quarantine.

WINDSOR.

Windsor Baby Week was held at the request of the Medical Officer of Health. The Essex County Association of Nurses, the Local Medical Society, and the Women's Auxiliary of the Hotel Dieu combined to make the event very successful. The mothers who attended the clinic urged that the service should be made permanent. A splendid programme was given each evening.

TILLSONBURG.

The Exhibit visited Tillsonburg at the request of the Medical Officer of Health, but owing to severe weather only fourteen babies attended the clinic. Moving pictures, telling the story of various phases of Health work, were shown in the evenings and were thoroughly enjoyed by large audiences.

NIAGARA FALLS.

The Medical Officer of Health in Niagara Falls assisted in every way possible, and although the number of children attending the clinic was small, many interested mothers came to receive advice in regard to the care of their children.

The schools released their pupils during the afternoon to attend the special session held for them each day.



Canadian National Exhibition, 1918.

WELLAND.

The Exhibit and moving pictures were shown in the Town Hall. A clinic was held, but the attendance was small, owing probably to the severe weather. Several companies in Welland are employing industrial nurses for nursing work among the employees and their families, and we hope some permanent child welfare work may be established in the town.

ST. CATHARINES.

The Exhibit was held in the gymnasium of the Collegiate Institute, one of the interesting features being an exhibition of the work of the students in the manual training, art and domestic science classes. The city engineer's department supplied an instructive exhibit illustrative of proper installation of plumbing, sewer connections, etc., while discs used in a recent "dirt test" of the local milk supply attracted a great deal of attention. No clinic was held in connection with the Exhibit. Capt. D. A. McClenahan, District Officer of Health, gave an address in the evening, which was followed by the moving pictures.

WHITBY.

Whitby was visited early in May under the auspices of the Committee of the Victorian Order of Nurses. With the aid of voluntary helpers and Dr. Burns of the Military Hospital, assisted by Dr. McGillivray, very interesting clinics were held on two successive afternoons. The school children exhibited many specimens of their work in art, manual training, etc. Prizes were given for poster work.

Moving pictures were shown to the school children in the afternoons, and the evening programmes were very instructive.

A permanent Well Baby Clinic has been established in Whitby under the Victorian Order of Nurses as a result of this endeavour.

OSHAWA.

Under the auspices of the Children's Aid Society the Exhibit was shown in the Town Hall. A very interesting programme was given on the evening of the first day, when the short play "Prejudice" was staged for the first time in Canada.

The Local Committee discussed the possibility of permanent Child Welfare Work in Oshawa, the Superintendent of the Hospital expressing the desire that a clinic be established in connection with that institution.

PORT HOPE.

The Exhibit was sent to Port Hope for two days in May. Following our preliminary visit, when a committee meeting was held to discuss plans, the Women's Auxiliary of the General Hospital procured lists of children under six years from the Town Clerk and the church cradle rolls. The town was later canvassed and a personal invitation extended to the mothers to attend the clinics. That the results justified the time and energy spent was shown by the attendance at the clinic.

The Exhibit was shown in the Town Hall, where clinics were possible on both afternoons, owing to the co-operation of the local medical men, all of whom helped in the work. The Superintendent of the Hospital, an enthusiastic supporter of the work, generously supplied the nurses for the clinics.



Espanola Baby Clinic.



Port Hope Baby Clinic.

The week following this Exhibit a permanent Baby Welfare Clinic was established in connection with the hospital, the visiting staff of six attending the weekly clinics in rotation.

BRAMPTON.

One of the most attractive exhibits of 1918 was held in Brampton in June. The Agricultural Representative, Mr. Stark, and his assistant, Miss K. McIntosh, were responsible for the success of the campaign. The Exhibit was held on two days, the town and surrounding country being divided into east and west districts, and each allotted its particular day. As a result of the complete organization practically every mother of small children in Brampton and vicinity attended the clinics which were conducted by the local doctors. A splendid programme was given the first evening, including addresses by Col. J. W. S. McCullough, Chief Officer of Health, and Miss Chapman, while the children gave musical drills which showed long and careful preparation.

Small tags as shown below were given to the school children, who wore them upon their coats during the preceding week.



SAULT STE. MARIE.

We arrived in Sault Ste. Marie on July 4th and stayed a week. During that time 96 children attended the clinics, were weighed, measured and examined, and advice regarding their condition given to the mothers. A model obstetrical room and nursery were exhibited by the school nurses. Following the moving pictures provided by the Provincial Board of Health, addresses were given each evening on various health subjects.

ESPAÑOLA.

On July 5th the first Baby Clinic was held in Espanola. The situation there is rather unique. The Spanish River Pulp and Paper Mills Company own the town and employ a doctor who is the Medical Health Officer as well. In some instances, where it was impossible for the mother to attend the clinic, the service was extended to the homes, seventy-five children being inspected in this way. This was Ontario's first experience in motor clinics. The physician examined the babies, while the nurse weighed and measured them in the home, the equipment being transported in a motor car upon which were displayed attractive posters on Infant Care. In this connection the work of Mrs. Hussey is worthy of mention, because without her assistance it is doubtful whether the preliminary or the permanent work could have been carried on so successfully in view of the fact that there was neither a hospital nor a practising nurse in the town.

The result of this was that a permanent clinic has been established in Espanola, with 200 babies on the roll. The doctor informed us later that the fame of the clinics had become so widespread that mothers bring their babies twenty-five miles on the train to attend the clinics.

FORT WILLIAM.

Previous to the summer of 1918 Fort William employed a Child Welfare nurse, who did splendid work, but was, unfortunately, employed only for the summer months. However, she proved the extreme need of such assistance in Fort William and is now a permanent employee of the local Board of Health. During our visit 62 babies attended the Exhibit clinic. McKellar Hospital was very kind in sending nurses each afternoon to assist in weighing and measuring the babies. Lectures were given on various health subjects every evening by local doctors. Music by local talent and the Board of Health films made the evening sessions interesting and instructive.

PORT ARTHUR.

The clinic was held in the Technical High School, which is situated in the residential section of the city. It was found that the foreign mothers were rather backward in availing themselves of the opportunity to have their little ones examined, on account of the distance between their homes and the Technical School, and a supplementary clinic was opened in a settlement house in the coal dock area. The result was very gratifying, and showed that the people were ready and willing to learn the best methods in regard to caring for their children. The doctors who assisted at the clinic took great interest in the work, and expressed the hope that a local clinic would soon be established.

BLIND RIVER.

Our stay in the next few places visited was necessarily short on account of the approach of the Canadian National Exhibition. We aimed merely to investigate conditions, and while opportunity presented itself to make a plea for Child Welfare Work.

At Blind River we attended a meeting of the Red Cross Society and explained the work of the Bureau. Such work, we were told, is sorely needed in the town and surrounding district.

There is a small but very efficient private hospital in the town, but outside the hospital trained nurses are not obtainable.

SUBBURY.

In the absence of the Medical Officer of Health, the Sanitary Inspector very kindly arranged for us to make at least a superficial survey of the local situation. One institution of special interest was the General Hospital, which is an excellent building and has splendid equipment, including provision for the care of sick children.

The Superintendent gave us assurance of the hearty co-operation of the hospital in the event of the town authorities undertaking a scheme of Child Welfare Work.

PARRY SOUND.

While in Parry Sound we visited the office of the local Board of Health and had an interview with the Medical Officer of Health. We were also able to see the two hospitals. The town authorities are interested in Child Welfare Work, and at that time were contemplating employing a school nurse, and requested that the Child Welfare Exhibit be sent to Parry Sound.

CANADIAN NATIONAL EXHIBITION.

The accompanying photographs will convey some idea of the scope of the Child Welfare Section of the Public Health Exhibit at the Canadian National Exhibition this year. Owing to the fact that the authorities allotted us additional space it was possible to provide for the following:

- (a) Medical clinic for infants and children under six years.
- (b) Medical clinic for children six to sixteen years.
- (c) Dental clinic for children up to sixteen years.
- (d) Rest room for mothers with infants.

In addition to the above, portions of the exhibit were devoted to various branches of infant and child care, while demonstrations of proper methods of bathing, clothing and preparation of artificial food for babies were given each afternoon.

For supervision and service in connection with the work of the clinics our best thanks are due to the splendid co-operation of the Department of Public Health of the City of Toronto, whose physicians, dentists and nurses, by their gratuitous help, made the service possible, two physicians and a dentist being in attendance every day of the Exhibition.

The total number of children handled in the Exhibit was approximately one thousand, five hundred and eleven of which were examined in the clinics.

We were fortunate in securing the services of Miss K. E. Osborne, R.N., to assist us in the work at the Canadian National Exhibition, who also accompanied the Exhibit to several of the Fairs immediately following.

OTTAWA EXHIBITION.

Following the Canadian National Exhibition, the Exhibit went to the Ottawa Exhibition. In this connection we are very much indebted to Daly's, Limited, for their very kind assistance in lending furniture and toys to us, without which we could not have shown a model nursery and play yard.

An attractive display of diets for children from twelve months to six years was arranged by the General Hospital.

Demonstrations in clothing, bathing and preparation of food were given by our nurse every afternoon. There was no clinic in connection with this Exhibition, but a Baby Show was conducted under the auspices of the Victorian Order of Nurses.

VANKLEEK HILL.

From Ottawa the Exhibit went to Vankleek Hill fall fair. Owing to weather conditions it was found impossible to conduct a clinic. Demonstrations were given in the nursing care of children by our nurse.

BARRIE.

Under the auspices of the Simcoe Medical Society the Child Welfare Exhibit was sent to the Barrie fall fair. In addition to the usual nursing demonstrations, a scientific Baby Show was held, members of the County Medical Society examining and judging the babies.

- Boys 1 to 6 months.
- Boys over 6 months and under 12 months.
- Boys over 12 months and under 18 months.
- Girls 1 to 6 months.
- Girls over 6 months and under 12 months.
- Girls over 12 months and under 18 months.

\$60.00 was donated for prizes, \$20.00 of which was contributed by the Simcoe Medical Society. For each section prizes of \$5.00, \$3.00 and \$2.00 were awarded.

The Superintendent of the hospital sent nurses, and trained nurses off duty very kindly volunteered to help in the weighing and measuring. Twenty-eight babies were entered.

NAPANEE.

At the request of the Women's Committee of the Patriotic Fair, a small exhibit was sent to Napanee in October. The local doctors gave their services in connection with the clinics, which were very well attended. The local committee, assisted by the agent of the Children's Aid Society, did splendid work before the Exhibit by advertising, canvassing, etc., and also supplied trained nurses to assist in the work of the clinics.

No exhibits were held after the first week of October owing to the epidemic of influenza.

The statement given below is a summary of defects found upon examination among children attending clinics in connection with the Child Welfare Exhibit for which records were available.

1918.

Table showing defects found among children under six years who attended clinics in connection with Child Welfare Exhibit, Provincial Board of Health of Ontario.

Town	Diseased Tonsils	Decayed Teeth	Adenoids	Enlarged Thyroid	Total No. Defects	Attendance
Windsor.....	4	.....	4	.....	8	76
Tillsonburg .....	.....	.....	.....	.....	.....	14
Niagara Falls.....	.....	.....	.....	.....	.....	9
Wellsand .....	.....	.....	1	.....	1	6
Whitby.....	2	1	.....	1	4	15
Oshawa .....	.....	.....	.....	.....	.....	7
Port Hope	1	1	4	3	9	45
Brampton	35	9	11	.....	55	157
Sault Ste. Marie	19	10	17	1	47	96
Fort William.....	4	3	7	1	15	62
Port Arthur.....	7	.....	1	.....	8	45
Espanola	7	3	.....	.....	10	163
Canadian National Exhibition (non-residents of Toronto only).....	1	2	1	.....	4	86
Napanee.....	11	6	1	.....	18	31
Total.....	91	35	47	6	179	812

All of which is respectfully submitted.

B. KNOX,

Nurse in Charge.

Report of the Provincial Medical Inspector

DR. R. W. BELL

REPORT *re* PROPOSED OAKLAWN CEMETERY.

To Dr. J. W. S. McCullough, Chief Health Officer, Ontario.

As requested by you I yesterday (October 14th) visited the site of the proposed Oaklawn Cemetery, a short distance beyond Willowdale, on Yonge St., in Township of York, about seven miles north of Bloor St. The site is as yet only farm land and in use as such, and is as described in the description and shown on the plans furnished by the company through the local Board of Health, and is on the east side of Yonge St., with Finch Avenue as a northern boundary. From a sanitary point of view I can see no objection to its establishment, the drainage being provided for to a distant point several hundred yards away from any residence to the east. As to residences, the only ones anyway near-by are one adjoining the south-west corner, two across Yonge St. from this corner and three or four across Yonge St. and Finch Avenue from the north-west corner: none for a long distance north-east or south.

There is now a small cemetery adjoining a church a few yards south on the east side of Yonge St. As to the necessity of another cemetery near Toronto, or its effect on the value of property, I have no means of knowing. A large number of the objecting petitioners live from a half to a mile or more away from the site.

REPORT *re* 510 YONGE ST., TORONTO.

To Dr. J. W. S. McCullough, Chief Health Officer, Ontario.

SIR.—As instructed by you, I visited the premises 510 Yonge St. to-day, where was said to be carried on the manufacture of some medicine by one John McDonald, an applicant to the License Commissioners for a permit to purchase fifty (50) gallons of alcohol. I beg to report that there is no place there which can be characterized as a manufactory. It is simply a dwelling house, where Mr. McDonald, an aged man (71) lives with his daughter and her husband, and any medicine prepared is done in the kitchen and cellar. He states that he prepares a "Rheumatism Cure" from roots and herbs, which he gathers on the south shore of Georgian Bay, where he was a lumberman for many years and learned of their good properties. These he boils in the kitchen and makes an infusion, then adds one quart of alcohol to each gallon, and sells in small bottles to be used only as a liniment. His whole output last year was less than five gallons, and is only sold to those who apply for it. He has no stock of bottles nor labels on hand and no money to buy them.

In the cellar, the full size of the house, I found in one corner two 5-gal., one 2-gal., and half a dozen 1-gal. jars and coal-oil cans, in which was a small quantity of his remedy, an extremely bitter mixture, which I tasted, and is certainly not palatable for a beverage, although he states it was harmless if taken inwardly, but only intended for external use.

The cellar contained nothing else except a dirty chest with a few tools, a few stove-pipes and a broken chair. The place was dirty and unsanitary with a heavy odour, and his jars covered with dust and dirt, an accumulation of many months. He says he is endeavouring "to form a company" to provide means to manufacture his remedy on a larger scale, and should he succeed he might require the quantity of alcohol asked for in his permit. The premises are quite unsuited from a sanitary point of view for the proposed object, and even for the present limited output they require cleaning up, especially the containers.

Herewith is attached an advertising circular which he issues, which indicates the nature of his manufacture.

All of which is respectfully submitted.

REPORT *re* 106 FRONT ST., TORONTO.

To Dr. J. W. S. McCullough, Chief Health Officer, Ontario.

SIR.—As instructed by you I visited yesterday the premises of "The Turner Company," 106 Front St. East, Toronto, which were reported to be in an unsanitary condition. I find one Harry Goodman is now the proprietor and using the name of the Turner Company which he bought out some four months ago. The business consists of the manufacture and bottling of wines, essences, liniments, etc., and is conducted on the ground floor and basement. The latter, about 50 x 20 feet, is used for storage and casks of native wine, empty barrels, boxes, etc. The ground floor, about 120 x 20 feet, is the workroom, with small office, used for bottling and packing. I found all floors very wet and dirty, the stairs particularly so. I do not think the stairs or basement have been cleaned out for years. All floors are of cement. The proprietor says he has the ground floor washed every couple of weeks as a rule, but not done lately, because water would freeze on the floor and make it slippery. The whole place at present is very untidy, damp and unsanitary, and quite unfit for the work carried on. The proprietor promised to have all cleaned up within the next two days. If he does so and keeps the place clean, I should not then say, from a sanitary point of view, that the premises were unfit for the work carried on therein.

REPORT *re* INFLUENZA, ETC., AT BURWASH PRISON FARM.

To Dr. J. W. S. McCullough, Chief Health Officer, Ontario.

As instructed by you I visited the Burwash Prison Farm on Saturday, 9th instant, particularly with reference to the present epidemic of Influenza and the provision made for the care and treatment of those affected.

I find there are five camps on the farm, two of which (Nos. 3 and 4) are not just now in use. No. 5, a logging camp, 3 $\frac{1}{2}$ miles by winter road from No. 2, the principal camp, is the smallest in use, with 34 inmates, and having no cases of Influenza, was not visited. The site is well isolated and difficult of access. No. 2 camp, the largest and principal camp, one mile east of the C.N.R., has a total of 173 inmates, well provided for in dormitories.

There have been about 100 cases of Influenza here, with 20 deaths, mostly from pneumonia and one complicated with scarlet fever. At present there are 15 cases in the hospital ward, 8 with pneumonic symptoms. This ward is about 75 x 20 x 13, with accommodation for 25 patients. The ward is well lighted, ventilated and clean. Several convalescent patients had been returned to the regular dormitory. In the regular dormitory there are three tiers of bunks, too many to be satisfactory, but a large addition is in course of erection, when there will be accommodation for 200 in two tiers and the third will not be used except in case of emergency. Better hospital accommodation will be provided in this new wing. The sanitary surroundings of this camp are satisfactory, excellent spring water provided and good sewage disposal by tanks and subsoil drainage, 1 $\frac{3}{4}$ miles of farm tile being used for distribution under the sewage bed.

No. 1 camp, 5 miles east of No. 2, close to C.P.R. line, has 86 inmates. Here there have been about 50 patients, with 4 deaths. At present 5 in hospital ward about 25 x 15 x 13, and well lighted and ventilated. One of these patients has pneumonia; the other 4 convalescent. There has been here 4 cases of mumps in a separate ward, but all now are convalescent. The sanitary surroundings here are also satisfactory, with splendid spring water and good sewage disposal.

The epidemic is evidently abating, as there has only been one new case in past three days. Of the 24 deaths (all within 2 $\frac{1}{2}$ weeks) I find only 4 were over 30 years of age, 10 were between 20 and 30, and 10 more under 20 years. This corresponds to the reported experience all over the country. The medical care of the patients at No. 2 camp was in the hands of a resident physician, Dr. Butler (just himself recovering from influenza), and two senior students, with a sufficient staff of nurses, two additional nurses arriving on the same train with me. Dr. Hodder is in charge at No. 1 camp, but I missed seeing him, as he had driven over to No. 2, arriving just before I left to go to No. 1, and I was not aware he was there. I have to thank Mr. Neelands, the superintendent of the camp, for courtesies extended and every effort to give me all information required.

REPORT *re* NUISANCE IN TOWNSHIP OF WATERLOO.

To Dr. J. W. S. McCullough, Chief Health Officer, Ontario.

As directed by you I visited Kitchener and Township of Waterloo, adjoining that city, on Thursday, 26th instant, to investigate a nuisance complained of by the township local Board of Health. Accompanied by the members of the local Board and their Sanitary Inspector I viewed the complained of nuisance, located in a woods belonging to Mr. A. B. Campbell, close to the city boundary. This Mr. Campbell has a three years' contract for the removal and disposal of the garbage of the city of Kitchener beginning in April last. Since that date he has been depositing all the city garbage along a roadway and for several yards on each side of it through this bush for a distance of a couple of hundred yards commencing at the entrance from one of the main travelled roads leading into the city. The dump consists of almost every imaginable kind of refuse collectable in the city, such as ashes, cast-off clothing, filthy dirty paper, wire, tin, sheet-iron and enamelled ware, decomposing animal and vegetable matter, such as found in empty fish, meat, fruit and vegetable tins, meat bones, vegetables, fruit from kitchens, waste, etc. Rooting through this were over thirty hogs, old and young, which with their added filth made the worst mess and dump I have ever seen in fourteen years' experience with the Provincial Board of Health. Nothing was covered, burned or buried, and apparently no effort made whatever to prevent causing a nuisance which is becoming daily a greater menace to the health of the community. The odors were, in places, sickening from the horrible mess.

Referring to the report of Dr. T. J. McNally on this same nuisance made on 20th July last, I can say that I can corroborate every word of it, excepting that at the time of my visit there were few flies, the weather being unfavourable, but in other respects the conditions were, if possible, very much worse. I saw Mr. Campbell on the premises, and in reply to my expressed surprise at his method of disposing of the city garbage, he contended that he was justified in so disposing of it so his hogs could fatten on what they could root out of it. He also contended that there were other nuisances as great as his, indicating a nearby slaughter-house just inside the city limit. This I also visited, and found some blood and washings running from it through a sewer pipe into a rivulet which discharged into a small creek running swiftly through Campbell's woods and which also gets the soakage from his garbage dump.

I called later on the City Medical Officer of Health and also the Mayor and drew their attention to the necessity of having the slaughter-house discharge remedied. The latter disavows all responsibility of the city for the nuisances from Campbell's dump, as he thinks their contract with him places all on him. However, the nuisance is such that it should be abated without any delay.

All of which is respectfully submitted.

REPORT *re* NUISANCE IN TOWNSHIP WATERLOO (2ND).

To Dr. J. W. S. McCullough, Chief Health Officer, Ontario.

As instructed by you I visited the Township of Waterloo, adjoining the city of Kitchener, on Tuesday, November 5th inst., to investigate a nuisance caused by disposal of garbage from the city. This same nuisance I examined on September 26th last, and reported on it the following day.

I beg now to report that on my visit yesterday I found the nuisance still existing just as it was in September, with the additional deposits of a largely increased quantity of garbage, similar in nature to that before described, a few yards nearer the city boundary, and much more exposed on the bank of and into the creek which empties a few hundred yards farther down into the Grand River, then flowing through Galt, Brantford, etc. At the more recent deposit a meagre attempt had been made to cover a small section of it with a few shovelfuls of earth, but the hogs were rooting it up so that the covering was scarcely observable. The soakage from the whole dump naturally reaches the creek. If this continues a terribly unsanitary condition will exist next spring, when melting snow carries the filth into the stream, and the following warm weather causes further decomposition. The whole situation is a nuisance, which should be abated at once.

REPORT *re* ALLEGED NUISANCE FROM TURNIP FACTORY AT
NEW TORONTO.

To Dr. J. W. S. McCullough, Chief Health Officer, Ontario.

A complaint having been received *re* a nuisance existing in New Toronto I visited that municipality yesterday, November 1st, and found the cause to arise principally from a turnip factory located close to the north side of the Grand Trunk Railway line and situated in Etobicoke Township.

The factory is working on a Government war contract. The water supply is furnished from the New Toronto civic system. The turnips are washed and peeled by machinery, the effluent being discharged into an open tank in rear, where the grosser material is held by a screen and the liquid discharged through a few feet of tile into a small stream which flows underneath the railway track and across a corner of New Toronto, thence through the asylum grounds to the lake. There are a few residents at no great distance, say from fifty to three or four hundred yards, from the stream, which is a mere rivulet, and who complain of the odour arising therefrom. There is certainly a very disagreeable odour in the neighbourhood of the tank and where discharged into the stream. Farther down and where I crossed the stream I did not detect any odour nor was there any complaint of it at the asylum except when wind from direction of the factory.

The waste settlings in the tank are removed, I was told, once a week. As the industry is furnishing food for the troops it would be a hardship to shut off the

water supply and stop the whole work. I would suggest that the nuisance might be remedied by putting in a finer secondary screen to catch more of the solids, and then running the effluent through a charcoal filter bed before discharging it into the creek.

The cost of the screen and filter bed, the town engineer informs me, would only be in the neighbourhood of fifty dollars.

I may here add that adjoining the turnip factory there is a cider mill, and beside it only a few feet from the turnip tank is a large dump of apple refuse from which emanates a very unpleasant odour. This should be removed and not allowed to decompose where it is liable to become or add to the nuisance.

The Board of Health of Etobicoke Township should be notified, as the cause of the nuisance arises in that municipality.

REPORT *re* NUISANCE AT OAKVILLE.

To Dr. J. W. S. McCullough, Chief Health Officer, Ontario.

Complaint having been received concerning various unsanitary conditions existing in Oakville, as instructed by you, I visited that town on Tuesday, 25th instant, and with the Medical Officer of Health and the Sanitary Inspector looked over the premises at the G.T.R. Station, the Basket Factory, along a lane in rear of the Post Office, yards adjoining the "Star" office and the Rubber Factory. At all except the last foul unsanitary pit closets were found. At the rubber factory a tile pipe carried the overflow from a cement cesspool into an open drain which passed close to several private residences, thence into a creek and to the lake. I strongly recommend that the Municipal Council pass a by-law forbidding the installation of any more pit closets within the municipality and the abolition within a reasonable time of those already in existence, and wherever any property abuts on a street having a sewer, connection therewith be required. Where no sewer connection is available that the dry earth and bucket system be compulsory. As the latter can be installed at an expense of only a dollar or two or even less there is no reason for permitting the foul pit system which is so offensive to both eye and nostrils as well as a menace to health. In one yard (west side of "Star" office) a large dump, apparently the accumulation of years, was seen with human excreta on it and wet with slop water. This should be removed. The rubber factory connection with the open drain should be abolished, and I also here advise sewer connection.

Report of the Provincial Sanitary Engineer

F. A. DALLYN, C.E.

To the Chairman and Members, Provincial Board of Health, Ontario.

Gentlemen,—I have the honour to submit the following report upon the work of your engineering department for the year 1918. The following applications were received and approved of:—

Waterworks extensions	52	certificates	\$526,968.38
New supplies and equipment	10	"	353,050.00
Water Purification	3	"	100,000.00
Sewer extensions	75	"	569,892.86
New sewerage systems	3	"	7,259.30
Sewage disposal works	3	"	33,512.85
<hr/>			
<i>Re</i> sewerage	81	"	\$610,643.01
<i>Re</i> water	65	"	980,015.38
<hr/>			
	146		\$1,590,658.39

The total as above shows a further decline in municipal improvements being the result of the war-time tension. It would be interesting for you to note that the work now undertaken by the Board has reached considerable magnitude as is shown by the following summary for the years 1915 to 1918.

1915—Total applications.....	286;	Total estimated cost	\$4,679,496.94
1916—	"	"	2,010,070.42
1917—	"	"	2,880,534.72
1918—	"	"	1,590,658.39

The work which has been carried on since organization of the engineering department in respect to purification and improvement of water supplies is now beginning to show very satisfactory results, and while there has been a general decline in typhoid rates in the United States as well, for the same period, this also is to be attributed to the improvement of water supplies, installation of filters and in general a more thorough supervision of the quality of waters.

The figures for Ontario are very well shown in the following table:

TABLE NO. 1.—ANNUAL DEATH RATE FROM TYPHOID FEVER PER 100,000 OF POPULATION.
PERIOD 1908-1918.

Rate for	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908
County	5.09	6.58	8.1	9.45	10.0	13.3	10.9	16.1	22.0	25.1	20.5
City	9.6	7.5	12.1	9.43	12.4	17.3	27.7	35.8	51.5	34.3	37.8
Towns.....	17.2	31.4	52.2	38.0	47.4	46.0	47.0	62.3	56.4	67.7	107.1
Average for Prov..	7.52	8.4	12.5	10.7	13.5	16.7	18.7	25.3	31.5	29.9	29.7

In Table No. 2 the individual rates for the cities are set out in detail. Table No. 1 showing general rates for the Province for rural and urban municipalities directs one's attention especially to the continuance of a high typhoid rate for the towns.

1908-1918

ONTARIO CITIES.

TABLE NO. 2.—DEATH RATE PER 100,000 OF POPULATION FROM TYPHOID FEVER.

City.	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	Remarks.
Belleville.....	0	26	81	63	17	18	37	19	50	40	71	
Chatham.....	183	21	46	8	16	58	44	30	39	68	49	Filters and Chlorination
Fort William....	0	0	9	22	21	30	33	35	83	106	111	Springs.
Galt.....	0	0	25	0	17	27	19	31	42	11	43	
Guelph.....	6	6	0	12	12	6	6	13	27	69	21	
Hamilton.....	5	4	4	6	7	14	8	24	15	16	19	Ok. Lake Ontario.
Kitchener.....	10	5	0	5	11	6	19	7	43	15	15	Springs.
Kingston.....	22	9	5	28	43	25	32	26	78	31	31	
London.....	2	5	2	0	9	3	10	17	4	6	12	Springs.
Niagara Falls....	8	8	27	9	34	85	44	90	60	26	84	
Ottawa.....	6	5	18	24	17	19	108	101	28	24	31	
Peterborough....	8	0	14	14	25	10	10	17	29	6	18	
Port Arthur.....	0	20	21	5	50	146	163	121	178	164	138	
Sarnia.....	41	62	60	34	26	45	139	148	101	82	110	
St. Catharines...	10	6	22	0	6	27	22	71	24	24	0	
St. Thomas.....	35	31	29	29	0	50	19	19	20	34	49	Filters.
Sault St. Marie..	26	46	31	24	84	127	85	280	154	90	68	
Stratford.....	0	0	12	17	6	6	20	13	34	34	14	Wells.
Toronto.....	3	4	7	2	9	13	14	24	46	25	21	
Welland.....	68	172	31	82	128	39	58	85	0	0	0	Chlorination badly supervised
Windsor.....	18	38	29	35	27	10	38	34	49	56	63	
Woodstock.....	10	10	28	10	0	10	30	42	21	21	32	Springs.
Cities Ontario..	9.6	7.5	12.1	9.43	12.4	17.3	27.7	35.8	51.5	34.3	37.8	
Towns Ontario..	17.2	31.4	52.2	38.0	47.4	46.0	47.0	62.3	56.4	67.7	107.1	
Rural counties..	5.09	6.58	8.1	9.45	10.	13.3	10.9	16.1	22.0	25.1	20.5	
Ontario Prov....	7.52	8.4	12.05	10.7	13.5	16.7	18.7	25.3	31.5	29.9	29.7	
United States... *		13.4	13.3	12.4	15.4	17.9	16.5	21.0	23.5	21.1	24.3	
Quebec Prov....		29.15	24.2	21.4	19.9	19.0	24.3					

NOTE.—Heavy line indicates year in which Bacteriologic control took effect.
* Returns not available.

The activities of the Board for the past seven years have almost entirely been directed towards the removal and control of the main sources of typhoid transmission, which heretofore appear to have been the city water supplies. The smaller towns for many reasons have not been brought up to a standard which is at all satisfactory in this respect. The principle reason has been the difficulty of interesting the municipalities in water purification programmes involving considerable expenditure. It would appear that the smaller municipalities are not prepared on their own initiative to undertake such work and, I fear, it will be necessary in the near future for the Board to proceed under some of its mandatory powers and require the work to be done in the interests of Public Health. Such municipalities as Carleton Place, Smith's Falls, Oakville, Gananoque, Hanover, Picton, Sturgeon Falls, should not be permitted to continue to supply water for drinking purposes from the present sources without adequate purification and in some cases without re-locating the source of supply entirely.

It is possible that a considerable portion of the difficulty in dealing with the small municipalities might be overcome should the Government embark upon a policy of guaranteeing debentures with respect to water purification and sewerage and sewage disposal. The small municipalities, unfortunately, are rarely able to dispose of their debentures at a much better rate than 6½ per cent., whereas with the backing of the Ontario Government they would probably be able to obtain their money for between 5 and 5½ per cent. If the Government could handle the loan directly for them on a 5 per cent. basis it might be even a more satisfactory arrangement. This would mean an annual saving on each \$100,000 expended, of \$1,000; or possibly a trifle more. As many of the undertakings for the small municipality do not reach more than from \$60,000 to \$150,000 the saving would be of considerable interest to them and might make all the difference in their behaviour towards an improvement.

The requirements of the Housing Commission with reference to the Government loan has directed the attention of many of the smaller municipalities to the need of sewers, and this in turn has shown to the Board the great need for an extensive survey of the Province to determine to what extent municipal sewers are being taken advantage of and in what way portions of the municipalities can be improved by such services. It would appear that the smaller municipalities and housing generally cannot be better served than by the Board assisting them very directly by engineering services and in the consideration of their drainage and water supply problems.

This also appears to be a question. It is the question of plumbing. There is a very decided need for a general regulation respecting plumbing for the whole Province, subject to amendment by the municipalities now having regulations in force, such as the City of Toronto. The rural areas and many of the smaller towns are being very much exploited by unscrupulous supply houses and the character of the work is so inferior that its replacement is only a matter of a few years. A Provincial regulation would overcome a great many of the difficulties now experienced and would insure a satisfactory type of equipment and fittings for the rural as well as the whole organized urban municipalities. Plumbing has until very recently, been considered one of the paramount health problems. Lately there appears to be a tendency to relegate it to other departments of municipal affairs than that of the department of health. It is rather interesting to note that the plumbers are not in sympathy with this movement and that there seems to be a tendency to request the health bodies to again take over supervision of this matter.

During the year the water purification plants at Amherstburg, Oshawa, Rockland, Hawkesbury, Dundas and Weston and New Toronto have been completed. This is a decided gain, the plants at Amherstburg, Oshawa, Rockland and Hawkesbury being of strategic value in controlling typhoid in their respective areas. In every one of these instances the initiative has been taken by the Board, in some instances the mandatory powers of the Board were exercised but in no instance appears any feeling on the part of the municipality but one of gratitude, that their situation has at least been handled in a thoroughly satisfactory manner and that they need no longer be responsible for the spread of water-borne diseases in their counties and throughout the Province.

During the year visits made at the request of the municipal authorities, to Copper Cliff, Hawkesbury, Vineland, Amherstburg, Chatham and Bracebridge. Mr. DeLaporte's absence and the writer's absence on military duty during the latter portion of the year interfered somewhat with the outside service of the Board. The work of the department, fortunately, was not allowed to suffer greatly owing to the services which Mr. Worthington volunteered during your Engineer's absence.

The work of the Experimental Station especially suffered for lack of laboratory assistants. Some work was attempted to determine the relative fertilizer value of the nitrogen of activated sludge and plot experiments were undertaken with very satisfactory results. It is our intention to hold these results for another year and then bring our Experimental Station reports up to date by a substantial Bulletin.

F. A. DALLYN.

APPROVALS ISSUED FOR SEWER EXTENSIONS, SEWAGE DISPOSAL WORKS
AND NEW SEWERAGE SCHEMES IN 1918.

Municipality.	Estimated Cost of			
	No. of Certificates.	Extensions.	Sewage Disposal.	New.
Bonfield	1			\$1,512 85
Burlington	2	\$31,512 20		
Collingwood (Hospital) (Dis.) ..	1			
Cornwall	1	630 00		
Crescent Beach (Disposal)	1			
Ford City	2	68,802 23		
Fort Frances	1	7,041 90		
Galt	1	1,175 60		
Goderich	1	4,051 16		
Guelph	1	1,215 00		
Hamilton	5	13,398 75		
Hawkesbury	1			32,000 00
Ignace (new)	1			
Kingston	1	7,247 40		
Kitchener	1	1,441 88		
Lindsay	2	2,783 50		
London	3	20,540 22		
New Toronto	1	1,083 05		
Niagara Falls	2	12,588 44		
North Bay	2	2,306 16		
Oshawa	2	5,093 00		
Ottawa	9	47,677 47		
Owen Sound	1	908 38		
Parry Sound	1	6,590 00		
Pembroke	4	22,582 57		
Perth	2	7,908 54		
Peterborough	1	17,669 24		
Preston	1	477 26		
Renfrew	2	7,913 67		
St. Catharines	2	3,663 22	\$7,259 30	
Sandwich	2	28,761 80		
Sarnia	2	12,099 80		
Sault Ste. Marie	1	20,165 00		
Smith's Falls	4	1,345 00		
Stratford	1	401 00		
Sudbury	1	220 40		
Thorold	3	3,783 00		
Toronto	2	124,643 92		
Walkerville	3	18,054 32		
Waterloo	2	1,404 67		
Warton	1	2,870 00		
Windsor	3	51,561 81		
	81	\$569,870 86	\$7,259 30	\$33,512 85
Summary.				
Extensions	75	\$569,870 86		
Sewage Disposal	3	7,259 30		
New	3	33,512 85		
	81	\$610,643 01		

CERTIFICATES ISSUED RE WATER MAINS, PURIFICATION, ETC, 1918.

Municipality.	Estimated Cost of			
	No. of Certificates.	Extensions.	Purification.	New.
Brantford (sale of land)	1	.....	.....	.....
Burlington	1	\$17,338 31	.....	.....
Creemore	1	1,600 00	.....	.....
Crowland Township	1	.....	.....	\$40,000 00
Dundas	3	21,000 00	27,000 00	.....
Fort Frances	1	5,618 00	.....	.....
Fort William	1	10,348 83	.....	.....
Guelph	1	21,903 00	.....	.....
Hamilton	6	15,556 77	.....	.....
Hawkesbury	2	.....	50,000 00	27,000 00
Kingston	3	1,870 00	.....	30,000 00
Leamington	1	.....	.....	40,000 00
Lindsay	1	7,694 12	.....	.....
Matheson	1	.....	.....	43,000 00
Mattagami Pulp & Paper	1	.....	.....	.....
New Toronto	3	35,000 00	.....	.....
Norwich	1	20,000 00	.....	.....
Pembroke	2	14,537 00	.....	.....
Picton	2	14,928 30	.....	.....
Port Stanley	1	1,943 15	.....	.....
Renfrew	1	.....	.....	11,000 00
St. Catharines	2	26,446 90	.....	.....
St. Mary's (new)	1	.....	.....	.....
Sandwich East	1	3,459 10	.....	.....
Sarnia (new source)	1	.....	.....	55,900 00
Sault Ste. Marie	2	11,410 68	.....	86,000 00
Smith's Falls	1	.....	.....	12,900 00
Stratford	2	.....	.....	.....
Sudbury	1	165 28	.....	.....
Tavistock	1	2,200 00	.....	.....
Thorold	2	750 00	.....	7,250 00
Timmins	1	6,398 00	.....	.....
Toronto	4	14,963 74	.....	.....
Weston	2	.....	23,000 00	.....
Windsor	1	40,000 00	.....	.....
York Township	6	231,834 20	.....	.....
	63	\$526,965 38	\$100,000 00	\$353,050 00
Summary.				
Extensions		\$526,965 38		
Purification		100,000 00		
New supplies and equipment		353,050 00		
		<u>\$980,015 38</u>		

INGERSOLL WATER SUPPLY.

APRIL 18th, 1918.

Sir,—Following your inquiry, as to what had been done at Ingersoll to improve the condition of the water supply, I went to Ingersoll on Friday, April 12th, and in company with Dr. Canfield, the local Medical Officer of Health, Mr. Gafer, the Chairman, Mr. Muir, a member, and Mr. Hall, the Engineer of the Ingersoll Water, Light and Power Commission, I visited the Head Spring, the Rice drain and the farm at Robinson's to determine the extent of the improvement undertaken.

The only change made by the Commission since Mr. DeLaporte visited the supply in 1916, was the ordering of a chlorinating apparatus. This, I was assured, had been continuously operated since its installation. That protection, much needed as it was, has not, however, eliminated all danger, and our laboratory reports continue to show the frequent occurrence of high B. Coli numbers in the tap water.

The town, since taking over the water supply from a private company, and for which they paid \$125,000.00, have made no major improvements whatsoever in connection with sources of water, except the chlorination referred to. In this the town has been criminally negligent and has assumed responsibility for conditions, which, if generally known to the town's folk, would occasion very considerable censure of the officials responsible.

The report of the Board, August 14th, 1916, called the Commission's attention to a condition with which they were already familiar, that is, the presence of cattle in and about the Head Springs. This has not been corrected and at the time of my visit last Friday, the supply from what is known as the Head Springs was of a yellowish colour, due wholly to the extraordinary amount of faecal matter from cattle, which had accumulated on the soggy ground and which was being carried forward with the flow of the springs, directly to the town supply. There can be no excuse offered for a continuance of this condition.

The area adjacent to the Head Springs can be very easily expropriated by the municipalities, by virtue of existing powers expressed in the Municipal Act, and fences can be maintained so as to prevent cattle breaking through from adjacent fields. The other points shown to be sources of pollution in Mr. DeLaporte's report, are also quite unprotected and one is amazed that more trouble has not been experienced from the unprecedented conditions, in which surface drainage from pastures and barnyards has been so freely admitted to the water supply.

I would urge your attention to the advisability of ordering the town to immediately expropriate and fence off ten or fifteen acres adjacent to and including the Head Springs. I also think it advisable to have this soggy area ploughed up, so as to mix the manure there present with the soil, in order the more readily to accomplish its destruction.

I would also recommend that the dosage of chlorine be very considerably increased and such a quantity used as will maintain the B. Coli content absent in 25cc., this dosage to continue until another source can be obtained, or until filters be added to the existing measures now attempting to cope with pollution.

The Commissioners directed my attention to the fact that they had been recommended to make some investigation of the possibilities of a deep well supply. It seems advisable, and I so recommend that such an investigation be immediately proceeded with. If funds are not available for such work, it seems proper to charge the investigation to engineering services in connection with the necessary improvements, and provide for the expenditure in the same debenture issue.

All of which is respectfully submitted.

F. A. DALLYN.

RE CANADIAN COPPER COMPANY, WATER SUPPLY TO THE ROAST YARDS.

Dr. George, District Officer of Health, visited this property on April 1st and reported that some six to eight hundred employees were dependent upon two wells and a creek for water supply; one of the wells being exposed to pollution he ordered closed. He requested that the Board's Engineer should investigate the matter further and determine the advisability of requiring the Company to obtain a water supply at Vermillion River.

On June 2nd I went to Copper Cliff, met Dr. McAulay and Mr. Jones, Chief Engineer of the Company. I visited Creighton and the Roast Yard in company with the latter and examined the situation complained of and also visited the point on the Vermillion River where it is suggested to locate an intake

I am rather against the proposed supply from the Vermillion River, which will be very expensive, probably costing as much as \$40,000.00 and the water itself will, in my opinion, require filtration as a further protection.

I have suggested that the Company explore the ground water supply immediately adjacent to the existing pump house and sink a casing and learn what quantity of water is available at that point. Such a supply will be much cooler and of a better quality than the water from Vermillion River.

The Company have agreed to filter this water in addition, provided that an adequate supply can be obtained. This will not cost them more than a few thousand dollars and they seem very satisfied that the Board should meet them in this matter.

I think it advisable that water mains be extended more generally about the Roast Yards and taps left near the shacks. The well at the creek near the railway tracks should be closed as it is receiving drainage from the dump near by and the top has been badly damaged by the frost.

Another matter to which my attention was directed was the absence of incinerators about the camps. I think it would be advisable for them to introduce the use of much the same type of incinerator as those now being used in the military camps—those manufactured by A. H. Reid, 69 Rowanwood Ave., Toronto. These would serve for their requirements very well and their use would do away with the unsanitary dumps and a fly nuisance which exists adjacent to the camp. This matter was called to the attention of the Managing Director and he agreed with us and promised to have the condition improved.

F. A. DALYLN.

Report of Sanitary Inspector

NORTH BAY, ONT., March 31st, 1919.

From Alex. B. White, Provincial Sanitary Inspector, North Bay, to the Provincial Board of Health for Ontario.

I have the honour to submit for your consideration my second annual report, covering the year 1918.

While this appointment devolves upon me all the duties of a Provincial Sanitary Inspector, which necessitates my visiting and spending a considerable portion of my time in organized municipalities, sometimes by request of Local Boards of Health, I am nevertheless trying, when time will permit, to make a specialty of carrying out the Public Health Act and the regulations as affecting the unorganized territory. This I am finding increasingly difficult, for two reasons. Firstly, the tremendous territory to be covered, with the resultant waste of time going to and from the work to be visited, and secondly, the enormous duties to be performed which we have knowledge of as requiring attention. This work covers the inspection of lumbering, mining and construction work, and, of course, embraces the inspection of a large number of small towns and villages, which, owing to their hasty formation, oftentimes occasioned by some boom, perhaps the result of a gold discovery, or the construction of a power plant, or paper mill, require frequent and careful attention from your officials, if such diseases as typhoid fever are to be prevented. I have, therefore, knowing that it was impossible to cover the whole district, been devoting much of my time to certain localities which are known to us as *danger spots* and where outbreaks of diseases might be expected if careful inspection and supervision were not provided.

MILEAGE TRAVELLED WITH EXPENSE TO THE BOARD.

During the year I have travelled 17,507 miles, principally in Districts Nos. 6 and 7, at a total expense to the Department, including railroad fares where no passes are provided, of \$890.64.

LUMBERING STATISTICS.

Returns made to the Department by the various Crown Timber Agents throughout the Province, show that we have 135 companies operating during the 1918-19 season, and it should here be noted these figures and statistics cover a period from October 1st, 1918, to March 31st, 1919, known as the lumbering season, and all other matters dealt with in this report, however, cover the year 1918 only.

These 135 companies I find on inquiry, and by reference to the reports of contracting physicians, give us a total of 490 camps; add to this the various concerns who are lumbering on patented lands and so on where no timber dues are paid, and of which we have no reports from these agents, we may possibly have 600, employing roughly 19,000 men. Of this number of companies said to be operating, 117 have supplied the Board with information and have contracted with a qualified physician for the sanitary supervision of the camps, works, etc., in compliance with the regulations governing this class of work, and while the

information received is anything but satisfactory, and necessitates a huge amount of correspondence before acceptance, it still shows a marked improvement over the year 1917.

Under the regulations the contracting physician in unorganized territory is required to make a monthly report to the Board, setting forth conditions at these camps after inspection. Our records show that we have 57 physicians engaged in this work, and from whom we have received 146 reports, but as this total is very largely made up by some 10 physicians who report fairly regularly, it will be seen that there are many who, aside from the short report sent at the commencement of the season, seem to neglect this very important matter for the rest of the year at the Board's expense.

CAMP STATISTICS.

The number of camp inspections made by me during 1918 were 84, as compared with 113 during the previous year. This discrepancy is due to the fact that very few companies were able to start work until late in the year, due, I believe, to the very wet fall, as well as to the prevalence of influenza and the acute labour shortage. Most of my inspections were made, therefore, during the early part of 1918.

Camps visited and inspected were situated at such places as Jacksonboro, Smooth Rock Falls, along the Mattagami River from Timmins, Parry Sound, French River, Osaquon, Coughlan, Bushnell, Mileage 44, T. & N. O. Ry., McLaren's Bay, Osborne, Connaught, Capreol, and Daventry. Mining camps were also visited at Nickleton and Kirkland Lake.

CAMPS OF THE MATTAGAMI PULP & PAPER CO., SMOOTH ROCK FALLS.

I beg to offer, with regard to this company, some further information *re* the transactions of the Board with respect to this company's camps, as a continuation of my 1917 report.

Inspection of this company's camps during the first week in January showed small improvement over the previous season, and in reporting the findings to the Board at Toronto, it was considered advisable by Dr. McCullough, to request the presence of the President, Mr. D. M. Chisholm, at the Board's offices. The meeting took place on or about January 15th when, after the Board's attitude had been explained, an ultimatum was issued providing that all camps which were being operated contrary to the provisions of the regulations, or were in a position where the waters of the streams were being polluted, were to be at once closed, and were not to be re-opened until the said regulations were fully met. This action being designed to protect the men in the camps, as well as the users of river water down stream at Jacksonboro and Smooth Rock Falls, at which latter place several cases of typhoid had broken out the previous year.

This action resulted in eight camps being closed and five larger buildings constructed in very much better locations to complete the season's work; later, however, I found these condemned camps were being used as conveniences by the men passing up and down the river, necessitating the tearing down and burning of the structures. These were practically the only changes effected before the break-up. The company promised, however, that in putting in new camps in the fall an earnest attempt would be made to comply with the Board's requirements.

My next inspection was made during the first week in November, beginning at Timmins and working my way down stream to Sturgeon Falls, a distance of thirty-five miles. Twenty-one camps were visited, and while they were mostly located at a distance of 125 feet from the water, there was generally a gully or ravine behind, or to one side of the camps, which might act as a drain carrying to the river any polluting matter which might be placed upon the ground surface during the run-off.

However, in the construction of the buildings a revolution has taken place, and whereas last year's camps with their pole floors, poor light, no ventilation, and where eating, sleeping, and cooking were carried on in the one building, we now have large well-lighted and ventilated camps built to house forty or fifty, and in some cases seventy-five men. At each of these reasonable closets, properly located, have been built, and deep holes provided for the reception of garbage, which last season was thrown upon the ground.

This reform, while yet incomplete, is highly gratifying, and is, I think, due to two causes. First, to the giving of these bush contracts to a much higher type of contractor than heretofore, and secondly, to the co-operation of the company, coupled with the hard work of a very painstaking and energetic contracting physician, Dr. Wright, one of the very few officials who sends a monthly report covering all camps under his charge.

I, therefore, confidently expect that during the next year there will be very little fault to find with these camps, always provided, of course, matters are carried forward as per statement given.

This operation consists of fifty-seven camps and gives employment to about 1,000 men in the woods.

CONCLUSIONS *re* INSPECTION OF LUMBER CAMPS AND TERRITORY WITHOUT MUNICIPAL ORGANIZATION.

It may be readily noted that there is a decided falling off in the inspections made this year as against 1917. This is partly explained under the head of *Camp Inspections*, and also to my services being urgently required elsewhere adjusting complaints which come to us from time to time, as well as supervising outbreaks of communicable diseases which, of course, must have first call upon my time, therefore, certain conclusions which I had arrived at last year have become even more apparent at the time of my writing.

Knowing as I do the huge amount of work to be performed and the little I am able to do, comparatively speaking, these long trips through the woods, oftentimes travelling forty or fifty miles, perhaps examining many camps, coupled with the fighting which oftentimes requires to be done in order to make an impression on some of these large corporations who appear to have little time or inclination for public health matters, is very hard work, and sometimes after this has been done and conditions brought to light which in applying a remedy no delay can be permitted necessitating court proceedings, but which cannot be undertaken for lack of corroborative evidence, such a case as I have cited has happened, and must happen, with the result sooner or later, outbreaks of typhoid fever will occur which can only be prevented by systematic inspection requiring a much larger staff of inspectors than we now have. This year, therefore, should see the appointment of two additional men.

THE CONTRACTING PHYSICIAN.

This official, for he is an official, in an unorganized territory, has a very important duty to perform, his work being of a similar nature to that of his brother the Medical Officer of Health, but without the backing or the *fixity of tenure* of the latter; therefore, to put the case of this official in a "nutshell," so to speak, regarding the sanitary supervision of the camps, works, etc., under his charge, the clause in his contract which makes him supervisor might as well be left out in 85 per cent. of these contracts, for if he criticizes the operation, or the condition of the same too much, or if his recommendations are likely to cost his employers money, he will perhaps be told to take care or someone else will be hired to replace him who will not be quite so exacting. This being the case, if the contract is a fairly *lucrative one*, he is likely to travel along the line of least resistance and say little, with the result that he does not even get a monthly report, as the receipt of this would bring one of the Board's officials to see what the trouble was, which is not at all desired.

The contracting physician, then, should not be at the mercy of these companies, if we expect results, but should be placed in a position where his removal can only take place with the approval of the Board. He should then be forced to carry out the provisions of his contract and of the regulations; failing this the Board should require his employers to contract with another physician who will.

The circulars sent out by the Board at the commencement of the season have been successful. The early reporting by a large number of concerns I consider due to this cause.

COMMUNICABLE DISEASES.

Outbreaks of communicable diseases occurred at the following places and required my personal attention.

Smallpox:

	Cases.
Townships of Hanmer and Capreol	35
Pickereel River	1
Byng Inlet	6
Foleyet	2
Sturgeon Falls	8
Warren	Unknown
Verner, Township of McPherson	2
	54

Diphtheria:

Township of Capreol	3
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Scarlet Fever:

Kirkland Lake	5
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Typhoid Fever:

Georgian Bay Lumber Camps, Township of Blythe	11
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Total	73
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None of these outbreaks were of a serious nature, or assumed large proportions except smallpox at Hanmer and Capreol, where we had 35 cases with no deaths. The disease for the most part was of a mild character and had been prevalent in these villages for at least two months previous to my visit, having been mistaken for chickenpox. This was especially true in the village of Capreol where evidence

was not wanting to establish this fact. In Hanmer (organized) I found it advisable to take the matter out of the hands of the local officials, who showed little inclination to cope with the outbreak. I obtained the services of a sanitary constable to take charge and results were very good.

The eleven cases of typhoid occurring at the Georgian Bay camps, we believe, were due to the faulty location of the principal well, which was in a position to receive the drainage from two large sleep camps. The closing up of these, coupled with a liberal use of typhoid-vaccine by the contracting physician Dr. McKee, quickly brought results.

During the year I was compelled to take police court proceedings against four lumber companies, the charge being neglect to provide the Board with information required under the regulations and to contract with a qualified physician for the sanitary supervision of the camps. The companies were:—

	Fine.
Reemsbottom & Edwards	\$20 00
Porcupine Pulp & Lumber Co.	20 00
Jas. Horrigan & Co.	20 00
St. Maurice Lumber Co.	5 00
Total	\$65 00

In addition I visited the following places:

	Visits		Visits
Smooth Rock Falls	3	Cochrane	2
Copper Cliff	1	Point Au Baril	1
Parry Sound	3	MacTier	1
Foleyet	2	Cobalt	2
South River	1	Nickelton	2
Capreol	5	Raymore	1
Iroquois Falls	3	O'Donnell	1
South Porcupine	1	Sault Ste. Marie	1
Mattawa	2	Total	32

I also visited once the principal towns and lumbering centres in western end of the Province, but was unable to devote much time owing to the pressure of business at this end.

All of which is respectfully submitted.

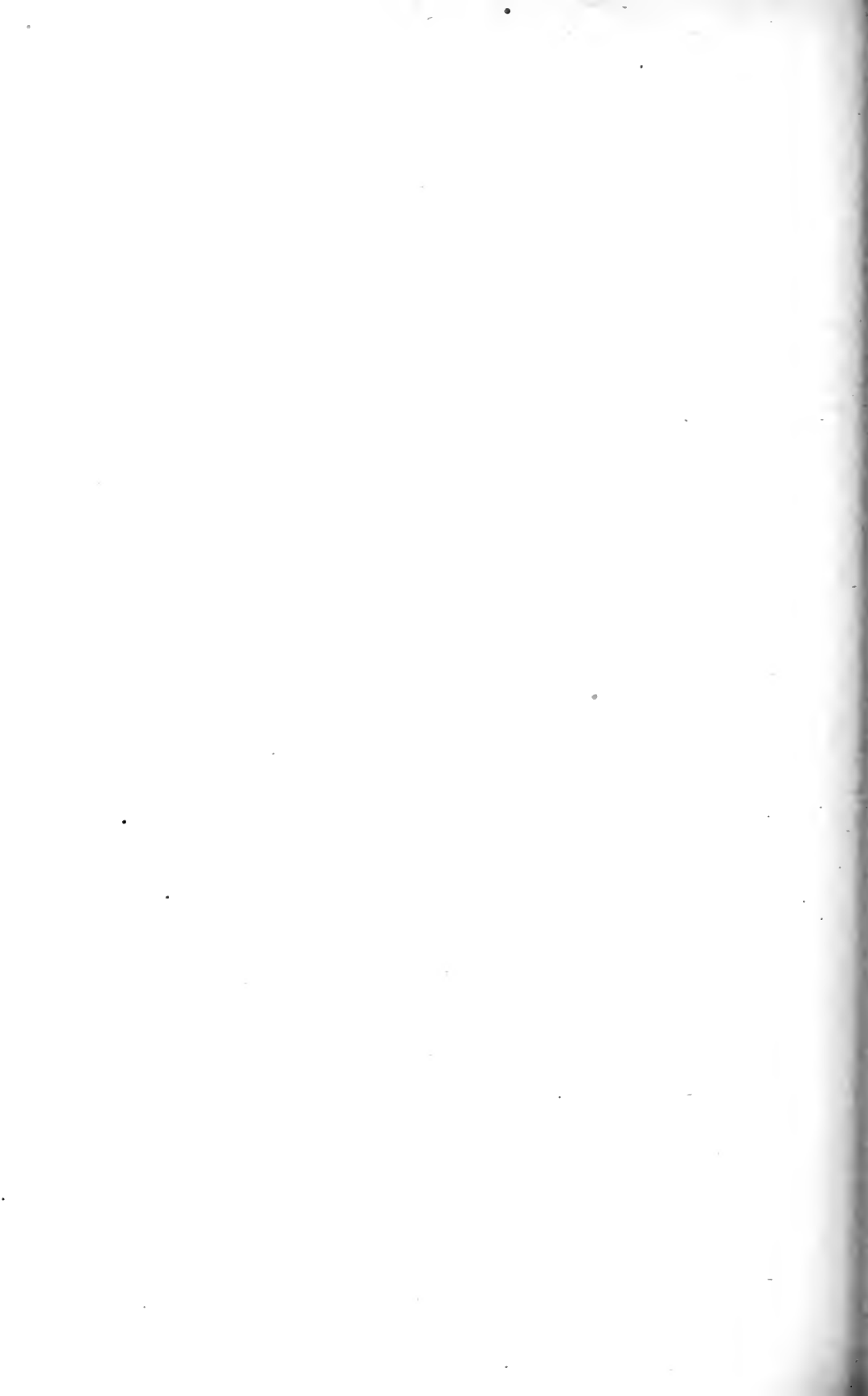
ALEX. R. WHITE,
Provincial Sanitary Inspector.

Laboratory Reports for the Year 1918

Laboratories of the Provincial Board of Health, Toronto

Branch Laboratories at Kingston

Branch Laboratories at London (Institute of Public Health)



REPORT OF THE LABORATORIES OF THE PROVINCIAL BOARD OF HEALTH, TORONTO

To the Chairman and Members of the Provincial Board of Health.

I have the honour to submit herewith a tabulated statement of the work performed in these laboratories during the year 1918. The total number of specimens examined was 13,458. The following table showing a comparison of the number of specimens examined in the years 1911, 1917, 1918, indicates the growth of this department.

	1911	1917	1918
Diphtheria (Swabs)	1,068	3,964	2,758
Release from Quarantine	173	1,440	970
Positive	91	412	352
Negative	82	1,028	618
Diagnosis	895	2,524	1,788
Positive	226	465	399
Negative	669	2,059	1,389
Tuberculosis (Sputum)	1,650	2,159	2,091
Positive	402	385	431
Negative	1,248	1,774	1,660
Typhoid (Blood)	749	835	820
Positive	70	214	178
Negative	679	621	642
Syphilis—			
Colloidal Gold Reaction			5
Wasserman Reaction			569
Very Strongly Positive		148	653
Strongly Positive		7	140
Positive		22	237
Negative		392	2,816
Treponema Pallida			3
Positive			8
Negative		3	31
Gonorrhoea			111
Positive		44	347
Negative		67	277
Rabies (Brains of Animals)	70	79	35
Negri bodies present		34	6
Negri bodies absent		45	29
Milk	168	54	76
Water	1,718	2,757	2,213
Bacteriological	1,668	2,732	2,200
Chemical	50	25	13
Liquor (for License Department)	241	895	594
Miscellaneous Specimens (including Coal for Public Institutions)	86	327	333
	5,750	11,758	13,458

Tabulated statement of Vaccines and Pasteur Treatments is appended. The total number of doses of Typhoid and Paratyphoid Vaccine was 534,629. Of this the Canadian Militia received 518,021 doses.

The Influenza Vaccine distributed for civilian use amounted to 153,217 doses. The Militia received 95,390 doses.

The increase in the volume of work has taxed the capacity of the present laboratories to the utmost. New and larger quarters are greatly needed.

H. M. LANCASTER,
Acting Director of Laboratories.

REPORT FROM LABORATORIES OF THE PROVINCIAL BOARD OF HEALTH OF

Municipalities	Diphtheritic Swabs.				Tuberculous Sputa	Typhoid Bloods.		Syphilis							
	Release		Diagnosis					Wassermann Reaction				Treponema Pallida.			
	+	-	+	-	+	-	+	-	+	-	+	-			
Carleton—Continued															
Stittsville					2	1									
Westboro															
Dufferin—															
Grand Valley					1										
Orangeville	1	5	2	6	1	7	1								
Rosemont															
Shelburne															
Dundas—															
Morrisburg	10	6	3	1	1	9	1	3							1
Durham—															
Bethany				1		3	3	8							
Blackstock						1		1							
Bowmanville				5	2	12	1	8				1			
Eaniskillen		1	1		2	6		1							
Millbrook				2		6	1	6							
Newcastle	7	3	1												
Orono		3		2	1	3	1	2							
Port Hope				4	4	26	2	6						3	
Pontypool		2		1		4		2							
Elgin—															
Aylmer						1									
Baynham															
Corinth															
Iona Station															
Rodney						2									
St. Thomas								1							
Straffordville						1									
Essex—															
Amherstburg					1										
Belle River					1	5									
Comber						2									
Essex					1	19		1							
Kingsville								3							
Ford				3	1	4		3							
Ojibway															
Leamington	3	6		16	1	4	2	1						1	
Sandwich								1						1	
Tecumseh				1		4		2						1	
Walkerville			6	2	3	9	1	2		2	2			7	
Windsor				134	12	45	3	15		27	2	10		67	
Frontenac—															
Kingston															
Glengarry—															
Alexandria				2	3	9	3	1							
Apple Hill						1		1							
Dalhousie Mills					3	3	1	2							
Dunvegan				1	2										
Martintown							1	1							
Maxville					2	1	2	3							
Grenville—															
Cardinal				1		2									
Kemptville			1	1	2	4	1	8							
Prescott					2	1									
Spencerville					3	1		1							

ONTARIO AT TORONTO FOR THE YEAR 1918.—SPECIMENS EXAMINED.—Con.

Gonorrhoea	Rabies Diagnosis				Milk							Waters			Total for Year			
	Animal	Negri Bodies		Animal Inoculations	Food Content		Preserv-atives	Bacteriological				Extraneous Matter	Number of Milk Samples	Chemical		Bacterial	Liquors for License Department	Miscellaneous Specimens
		+	-		Fats	Total Solids		+	-	Tubercle Bac									Pus Cells
			+	-	+	-	+			-	+	-						
	+	-	+	-	+	-	+	-	+	-	+	-	+	-		+	-	+
..															3			
..																	2	
..	1															1		
..	dog			1														
..	dog			1														
..																		
..																		
..	1	2													4			
..	dog			1											5			
..															4			
..															4			
..															4			
..															3			
..															3	1		
..	9	3	dog	1											35	5	2	
..															3			
..																		
..															2			
..															3			
..															1			
..																		
..															2	2		
..																		
..																		
..															1	4	1	
..														1				
..														6				
..														1				
..																		
..														2				
..	2													1				
..	3	3												14	13		1	
..																	5	
..																		
..																		
..																		
..																		
..																		
..															4			
..															4			
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..															4			

REPORT FROM LABORATORIES OF THE PROVINCIAL BOARD OF HEALTH OF

Municipalities	Diphtheritic Swabs.				Tuberculous Sputa		Typhoid Bloods.		Syphilis					
	Release		Diagnosis		+	-	+	-	Wassermann Reaction				Treponema s.l.f.da.	
	+	-	+	-					Colloidal Gold Reaction	Very Strongly Positive	Strongly Positive	+	-	+
Ontario—														
Beaverton			1	1	1			2						
Brechin														
Cannington					3		2							
Claremont														
Glazebrook														
Longfield Mills														
Oshawa		1	3	6	7	19		4		2	1	1	9	
Pickering					3	4		1						
Port Perry				1	3	4	2	3						
Speedwell														
Sunderland					1									
Uxbridge						6	1	4						
Whitby			1	2		5		3		2	2			
Ottawa—														
Ottawa					1			2		72	16	23	212	
Oxford—														
Drumbo						1		1						
East Oxford														
Embro						1	1							
Ingersoll	4	7	3	5		14	3	14						
Mount Elgin		3		1		1								
Norwich						5		2		1				
Otterville					2	8				3			4	
Plattsville				1		6		1						
Tavistock						2	1	1						
Thamesford														
Tillsonburg					2	1	2	2		3				
Woodstock			7	6	22	2	5	5		4		1	11	
Parry Sound—														
Burk's Falls		3	3	4		5		8					3	
Byng Inlet														
Callander						1	1	1						
Depot Harbor								1					1	
Kearney				1		1		2						
Magnetawan						1								
Nobel						2	1	1						
Novar														
Otter Lake														
Parry Sound	1	1	3	7	6	20	3	6		5	2		19	
Port Sydney														
Powassan				1	2	5		1						
Sprucedale						3								
Sundridge			1			4		2						
Peel—														
Alton						6								
Bolton								2					1	
Brampton	2	2	4	4						1				
Burnhamthorpe						2								
Caledon				2	1	4		2						
Clarkson						2		2						
Cooksville														
Inglewood														
Mono Mills						1								
Palgrave		2	1	6		3		1						
Port Credit	1				1	2								
Streetsville				2				3						

ONTARIO AT TORONTO FOR THE YEAR 1918—SPECIMENS EXAMINED.—Con.

Gonorrhoea		Rabies Diagnosis					Milk							Waters		Liquors for License Department	Miscellaneous Specimens	Total for Year		
							Food Content		Preserv-atives	Bacteriological				Extraneous Matter	Number of Milk Samples				Chemical	Bacterial
							Fats	Total Solids		Tubercle Bac		Pus Cells									Count
		+	-	+	-	+	-	+	-	+	-									
..	4	..	..	..
..	1	..	..	..
..	1	..	..	..
..	1	..	..	..
..	2	..	..	..
..	1	..	..	..
..	19	..	8	..		
..	1	..	..	..
..	4	..	..	..
..	2	..		
..	13	..	21	..		
..		
..	1	..	..	..
..	1	..	..	..
..	1	..	..	..
..	1	..	..	..
..	5	1	..	..
..		
..	10	..	..	..
..	3	..	..	..
..	2	..	..	..
..	9	..	2	..		
..	2	..	..	..
..		
..	4	..	..	..
..	4	..	..	..
..	2	..	..	..
..		
..	1	..	..	..
..	3	..	..	..
..	14	1	..	..
..	1	..	..	..
..		
..	3	..	..	..
..		
..	20	..	2	..		
..	47	..	..	..
..	2	..	..	..
..	1	..	..	..
..	5	..	..	..
..	1	..	..	..
..	1	..	..	..
..	1	..	..	..
..		
..	2	1	1	..		
..	7	..	..	..
..	7	..	..	..
..	2	..	..	..

ONTARIO AT TORONTO FOR THE YEAR 1918.—SPECIMENS EXAMINED.—Con.

+	-	Rabies Diagnosis			Milk								Waters		Liquors for License Department	Miscellaneous Specimens	Total for Year					
		Animal	Negri Bodies		Animal Inoculations	Food Content		Preser-vatives	Bacteriological				Count	Extraneous Matter				Number of Milk Samples	Chemical	Bacterial		
			+	-		Fats	Total Solids		+	-	Tubercle Bac.	+									-	Pus Cells
																	1					
																		2				
																		375				
																		14				
																		2				
																		4				
																		6				
	2																	1				
																		17				
	1	3														14		93				5
																		16				
																		1				1
																		83				8
																		7				
																		3				
	2	8																2				
																		2				
																		19				
		1																4				
																		10				
																		1				
																		23				
																		4				
																		5				
																		5				
																		11				
																		2				
	1																	5				
																		3				
																		4				1
																		2				
																		35				1
																		2				
																		3				
																		1				

REPORT FROM LABORATORIES OF THE PROVINCIAL BOARD OF HEALTH OF

Municipalities	Diphtheritic Swabs.				Tuberculous Sputa		Typhoid Bloods.		Syphilis							
	Release		Diagnosis						Wassermann Reaction				Treponema Pallida.			
	+	-	+	-	+	-	+	-	Colloidal Gold Reaction	Very Strongly Positive	Strongly Positive	+	-	+	-	
York—																
Agincourt				1		1										
Aurora	2		2	4	1	4										
Downsville																
Humber Bay																
Islington				1				1								
Keswick			1	1		1		1								
King	1			1		2	1	3								
Kleinburg																
Lambton																
Leaside																
Long Branch				1												2
Markham				1		4										
Milliken						1										
Mimico			115	389		4		4		2		1	4			
Mount Albert				1		3		2								
Mount Dennis		1	1	1				2				1				
Mount Joy																
Newmarket		3	3	2	1	2			4	10	3	3	17			
New Toronto		2	2	2	1	2										
Pine Grove																
Richmond Hill	16	11	2	17	2	5	1			1			1			
Scarboro Jet																
Schomberg					1	2		2								
Stouffville													2			
Sutton West				2			1	1								
Swansea	1	2	2													
Todmorden	4	6	2	3												
Toronto	22	44	18	47	6	27	6	24	24	289	60	118	1557	3	14	
Unionville				1		1										
Weston	20	26	30	106	2	11	1	7		2			37			
West Hill																
Woodbridge																
York																
Totals	352	618	399	1389	431	1660	178	642	29	653	140	237	2816	8	31	

ONTARIO AT TORONTO FOR THE YEAR 1918.—SPECIMENS EXAMINED.—*Con.*

Gonorrhoea		Rabies Diagnosis				Milk										Waters		Liquors for License Department		Miscellaneous Specimens	Total for Year
+	-	Animal	Negri Bodies		Animal Inoculations	Food Content		Preservatives	Bacteriological				Count	Extraneous Matter	Number of Milk Samples	Chemical	Bacterial	Liquors for License Department	Miscellaneous Specimens	Total for Year	
			+	-		Fats	Total Solids		+	-	Tubercle Bac	Pus Cells									+
																	1				
																	2				
																	1				
																	5				
																	2				
																	2		5		
																	2				
1																	10				
																				1	
																	6	28	33		
		1 dog		1																2	
		1																		1	
																	1			1	
		1 dog		1													2			2	
		1															3				
																	1				
																	6				
																				4	
		2 cows		2																	
		1 dog		1																	
																2	6		17		
202	136	6 dogs		2											1	75	159	92			
		1 cat		1																	
																	1				
																	18			4	
																	2				
																	2				
																				1	
347	277															13	2200	594	333		

Total number of specimens examined during the year 1918, 13,458.

YEARLY REPORT.

Outfits, Vaccines and Treatments supplied by Laboratory at Toronto during the year 1918.

Municipalities	Outfits sent out							Doses of Typhoid-paratyphoid Vaccine supplied	Whooping Cough Vaccine	Silver nitrate for prevention of Ophthalmia	Pasteur preventive treatment	
	Syphilis (Wassermann)	Syphilis (Treponema Pallidum)	Gonorrhoea	Water	Diphtheria	T. B.	Typhoid				Total	cases	No. of Injections
Algoma—												
Blind River					12							
Bruce Mines	6											
Chapleau	2		6		6	5						
Copper Cliff				12		25	12	60		60		
Creighton Mine			6					9				
Espanola	3		3	17	6	10	12					
Foleyet	3		3	18	6	5	6	133	28	10		
Hornepayne	6											
Jellicoe				4								
Kapuskasing					12	10						
Levack				12							15	
Massey					12							
Sault Ste. Marie					108	55			420	15		
Schumacher					24							
So. Porcupine					12			450				
Sprague										30		
Timmins	7	1	13	36	18	10	18	120	308	10		
Webbwood	3	3	3		6	5	6					
Worthington	3			12								
Brant—												
Brantford	94		28	24	75	55	18	457	726	130		
Burford								18	42			
Kelvin								18	38			
Onondaga									42			
Paris	3								190	60		
St. George	4				6				154			
Bruce—												
Cargill						15						
Chesley								18	20			
Elmwood	6		12	1			12			15		
Hepworth						10						
Kincardine					6							
Lion's Head					6	5			42			
Paisley				6								
Port Elgin						25		45				
Ripley				6						25		
Tara	1	1	1	6	36	5	6	9	40			
Teeswater	6			3	6	5	6	9	24	5	2	48
Tiverton				4				9				
Walkerton	1	1	1		6	5	6					
Carleton—												
Ashton						20			10			
North Gower				6								
Ottawa	500											
Dufferin—												
Grand Valley								24				
Orangeville	1	1	1		18	5	6					
Dundas—												
Morrisburg				16	24	35	12					
Durham—												
Bowmanville	12	2	6		12	10	12		98			
Enniskillen									25	10		
Millbrook				10	12	25	12	24	56			
Orono	6		12	12				9	114	10		
Pontypool					12	15	18					
Port Hope	12		12	45	36	45	24		84	90	4	96

YEARLY REPORT.

Outfits, Vaccines and Treatments supplied by Laboratory at Toronto during the year 1918.—Continued.

Municipalities	Outfits sent out								Doses of Typhoid-paratyphoid Vaccine supplied	Whooping Cough Vaccine	Silver nitrate for prevention of Ophthalmia	Pasteur preventive treatment		
	Syphilis (Wassermann)	Syphilis (Treponema Fabada)	Gonorrhea	Water	Diphtheria	T. B.	Typhoid	Total				cases	No. of Injections	
Elgin—														
Bayham				3										
St. Thomas.....								6						
Essex—														
Amherstburg									81					
Belle River.....									72					
Essex							75		90	42				
Ford City.....					720			6						
Harrow.....				3					18					
Kingsville.....							10		90					
Leamington.....	3		3	1	12	5	6		309	222				
Ojibway.....				15										
Pelee Island.....									27	212	15			
South Woodslee..				6	18									
Stony Point.....										82	5			
Walkerville.....					1,372	25								
Windsor.....	170	6	8		3,482	85	120		1,160	63				
Frontenac—														
Catarqui.....									12	28	5			
Kingston.....									5,220					
Mountain Grove..									60					
Sharbot Lake....									18					
Glengarry—														
Alexandria.....					6	15			9					
Apple Hill.....				5					18					
Maxville.....					12									
Greenville—														
Cardinal.....				3										
Kemptville.....									18		20			
Merrickville.....									36					
North Augusta...					12									
Prescott.....											100			
Spencerville.....	1	1	1	1	6	5								
Grey—														
Chatsworth.....				4	48				12	112	10			
Dromore.....						10								
Durham.....				3		10	12		18	76				
Flesherton.....	1	1	1		6	5	6				10			
Heathcote.....						10								
Markdale.....				4	6	10								
Meaford.....				12		10	12		6					
Owen Sound.....	16	7	45		192	40	36		36	457	75			
Thornbury.....	1	1	1		6	5	6							
Haldimand														
Caledonia.....					6	5								
Canfield.....	1	1	1		6	5	6							
Cayuga.....									6					
Dunnville.....						35	30		45					
Fisherville.....									30					
Hagersville.....	26				12				30		5			
Jarvis.....	8		3						18	56				
Halton—														
Acton.....						5								
Burlington.....	42			36		60								

N.B.—Walkerville, Jan. 19: 360 Culture Media, to Dr. Allison.
 “ Jan. 17: 250 Culture Tubes, to Dr. Allison.

YEARLY REPORT.

Outfits, Vaccines and Treatments supplied by Laboratory at Toronto during the year 1918.—Continued.

Municipalities	Outfits sent out								Doses of Typhoid-paratyphoid Vaccine supplied	Whooping Cough Vaccine	Silver nitrate for prevention of Ophthalmia	Pasteur preventive treatment	
	Syphilis (Wasserman)	Syphilis (Treponema Pallida)	Gonorrhoea	Watr	Diphtheria	T. B.	Typhoid	Total				cases	No. of Injections
Halton—Con.													
Freeman				1									
Georgetown	3		3				10						
Milton	7	7			66		55	6				30	
Oakville	10		12	24	12				58			15	
Hastings—													
Bancroft				15						15			
Belleville	6		20	42	36		55	48		28			
Deseronto	24		14	6	18		40					20	
Eldorado							12	10	12				
Madoc	1	1	1		6		5	6					
Marmora	4	2	10	38	24		10						
Maynooth				2	6		5	6		70		20	
Springbrook			6				5	12					
Sterling	6				12			6		15			
Trenton	96	3	10	30			10				28	50	
Tweed									32	38		5	
Huron—													
Crediton									12	34		25	
Ethel										30			
Goderich					12		24		9				
Seaforth	3							12				20	
Varna										50		25	
Zurich					12								
Kent—													
Blenheim									258				
Chatham	132		12	124			60	84	6,475	84		240	
Dresden				31	12		35					20	
Merlin	12			3						150			
Ridgetown					12		20	12		180			
Thamesville			6	24	5							25	
Tilbury								12		206			
Wallaceburg	6			30			10			18			
Lambton—													
Alvinston												10	
Camlachie					12		30				42	30	
Inwood				2			20				14		
Oil Springs									9				
Petrolia	5		4		12		10			42			
Sarnia	35			49						204		245	
Theford	1	1	1		6		5	6					
Watford							10				84	10	
Wyoming							5	6		9	14	5	
Lanark—													
Almonte				12			30	1					
Carleton Place				18									
Lanark									162				
Maberley				3									
Middleville	6	6	6				10						
Pakenham							5						
Smith's Falls				72					200	24			

YEARLY REPORT.

Outfits, Vaccines and Treatments supplied by Laboratory at Toronto during the year 1918.—Continued.

Municipalities	Outfits sent out.								Doses of Typhoid-paratyphoid Vaccine supplied	Whooping Cough Vaccine	Silver nitrate for prevention of Ophthalmia	Pasteur preventive treatment		
	Syphilis (Wassermann)	Syphilis (Treponema Pallida)	Gonorrhoea	Water	Diphtheria	T. B.	Typhoid	Total				cases	No. of Injections	
Leeds—														
Bellamy									12					
Brockville	18						45		36					
Elgin	6	3	6	3	6	5	6		9	28	5			
Lansdowne								30						
Mallorytown											25			
Westport					12									
Lennox—														
Napanee				26							10			
Newburg										38				
Odessa										24				
Tamworth	6				12					56	15			
Lincoln—														
Beamsville	6		6	6		10			12					
Grimsby				6						30	5			
Niagara-on-the-Lake	5			6		30				56				
Port Dalhousie					3						15			
St. Catharines	77	1	7	36	36	135	18		293	855	155	2	48	
Vineland				6										
Middlesex—														
Ailsa Craig					12	30								
Ilderton										20	5			
Lambeth	8		8		24	20	24		28		10			
London	200			160	482	100	200		33,100	84	100			
Parkhill				2						84	10			
Strathroy				1	24	20	12		108					
Muskoka—														
Bala				8					18	336				
Bracebridge	4					10	12							
Elgin House					6									
Gravenhurst	12			16	144				3		30			
Huntsville				6		20								
Port Carling				1	6									
Port Sydney				1										
Severn Bridge					24	20								
Windermere										28				
Nipissing—														
Bonfield						10								
Burwash	24		24											
Capreol	3	3	2	12	6	5	6		9	14	5			
Cobalt	36			102	24	30			24					
Cochrane				8					150	84	80			
Coniston	8		20	36						182				
Elk Lake									24		15			
Englehart											60			
Garson Mine				6										
Gowganda	1	1	7	6	6	10	12		54		5			
Haileybury	14		22	36	18	15								
Iroquois Falls				6					4,500					
Kirkwood Lake				18			6				15			
Matheson										62	10			
New Liskeard					6	35			6		50			
North Bay	24		24	54					591					
North Cobalt				4		5								

YEARLY REPORT.

Outfits, Vaccines and Treatments supplied by Laboratory at Toronto
during the year 1918.—Continued.

Municipalities	Outfits sent out							Doses of Typhoid- paratyphoid Vac- cine supplied	Whooping Cough Vaccine	Silver nitrate for prevention of Ophthalmia	Pasteur pre- ventive treatment	
	Syphilis (Wassermann)	Syphilis (Treponema Pallida)	Gonorrhoea	Water	Diphtheria	T.B.	Typhoid				Total	cases	No. of Injec- tions
Nipissing—Con.												
Smooth Rock Falls				24				337				
Sturgeon Falls									42			
Sudbury	55	5	1	96	12	60	12	355	28			
Swastika				12				60				
Whitney				6			12	22				
Norfolk—												
Delhi	12		12	2	24	40	12		328			
Langton								54	168			
Port Dover	36		3									
Port Rowan	6	6				5		54				
Simcoe	4							54		35		
Waterford	11	1	1		6	15	6					
Northumberland—												
Brighton						10			52			
Campbellford					18	10	6			30		
Castleton	2	1	3					9				
Cobourg	90		6	12	24	25	24	85	358		1	24
Colborne						5	6		34		10	
Grafton					6	5	6					
South Mouaghan								18				
Warkworth	1	1	1		6	15	6			30		
Ontario—												
Beaverton				4								
Cannington								18				
Oshawa	61		12	24			42	27				
Pickering						5						
Port Perry						10		18				
Uxbridge	1	1	1		6	5	6	33				
Whitby	6			12								
Oxford—												
Drumbo	4					10		59				
Embro								200	50	25		
Ingersoll			6	27	24	45	12	18				
Mount Elgin					6							
Norwich				6		10		9	200			
Otterville	12	6	24			25		78	182	35		
Tavistock				4								
Tillsonburg	8								194			
Woodstock	8				18	30		36				
Parry Sound—												
Burk's Falls					36	40		72	120			
Depot Harbour	2											
Kearney										15		
Mowat Sta.				6								
Nobel	1	1	1		6	5	6					
Pakesley				6								
Parry Sound	44	2	14	39	18	35		9	28	35		
Sprucedale									28			
Sundridge	6					5		27	38			
Troat Creek								18				

YEARLY REPORT.

Outfits, Vaccines and Treatments supplied by Laboratory at Toronto during the year 1918.—Continued

Municipalities	Outfits sent out								Doses of Typhoid-paratyphoid Vaccine supplied	Whooping Cough Vaccine	Silver nitrate for prevention of Ophthalmia	Pasteur preventive treatment		
	Syphilis (Wassermann)	Syphilis (Treponema Pallida)	Gonorrhoea	Water	Diphtheria	T.B.	Typhoid	Total				cases	No. of Injections	
Peel—														
Bolton	10				12					30				
Brampton	1	1	1	6	6	5	6			20				
Caledon										56				
Caledon East				1										
Clarkson									9					
Cooksville				4										
Palgrave										60	30			
Port Credit					12	10								
Streetsville												1	24	
Perth—														
Atwood											15			
Listowel				18					28	15				
Mitchell				8							35			
St. Mary's						10			24		5			
Stratford	2			12	30	45	84							
Peterboro—														
Baillieboro				3						56				
Hastings					6	5	6							
Keene							6				14			
Lakefield	1	1	1		6	5	6							
Peterboro	72	6		18	6	5	12		789	448	105	5	102	
Prescott—														
Fournier										100				
Hawkesbury	6		12	10	12	20	48				345			
St. Eugene				12										
Prince Edward—														
Bloomfield	6	6	6								25			
Rainy River—														
Dryden										14				
Ft. Frances									18		5			
Kenora										140				
North Pines				3										
Rainy River									150					
Renfrew—														
Arnprior	4								36					
Beachburg					6	5								
Eganville						20					20			
Jewellville									27					
Pembroke	7	4	1	72	6	5	6		42	42	70			
Renfrew					72	65	72				10			
Westmeath					6	5	6		6	39	35			
Russell—														
Bourget	4			5	144	10	12		30					
Russell						10			18	14	25			
Simcoe—														
Barrie			36		36	35	12		36					
Bond Head	1	1	1		6	5	6			14				
Corley						10								
Churchill				6	6	5				28				
Coldwater											10			
Collingwood	12			20	12	10					10			
Cookstown	6				6				3					
Edgar									24					
Elmvale				2		5				28				
Hillsdale				1					18					
Midland	14	7	1		30	45	6		12	356	15			

YEARLY REPORT.

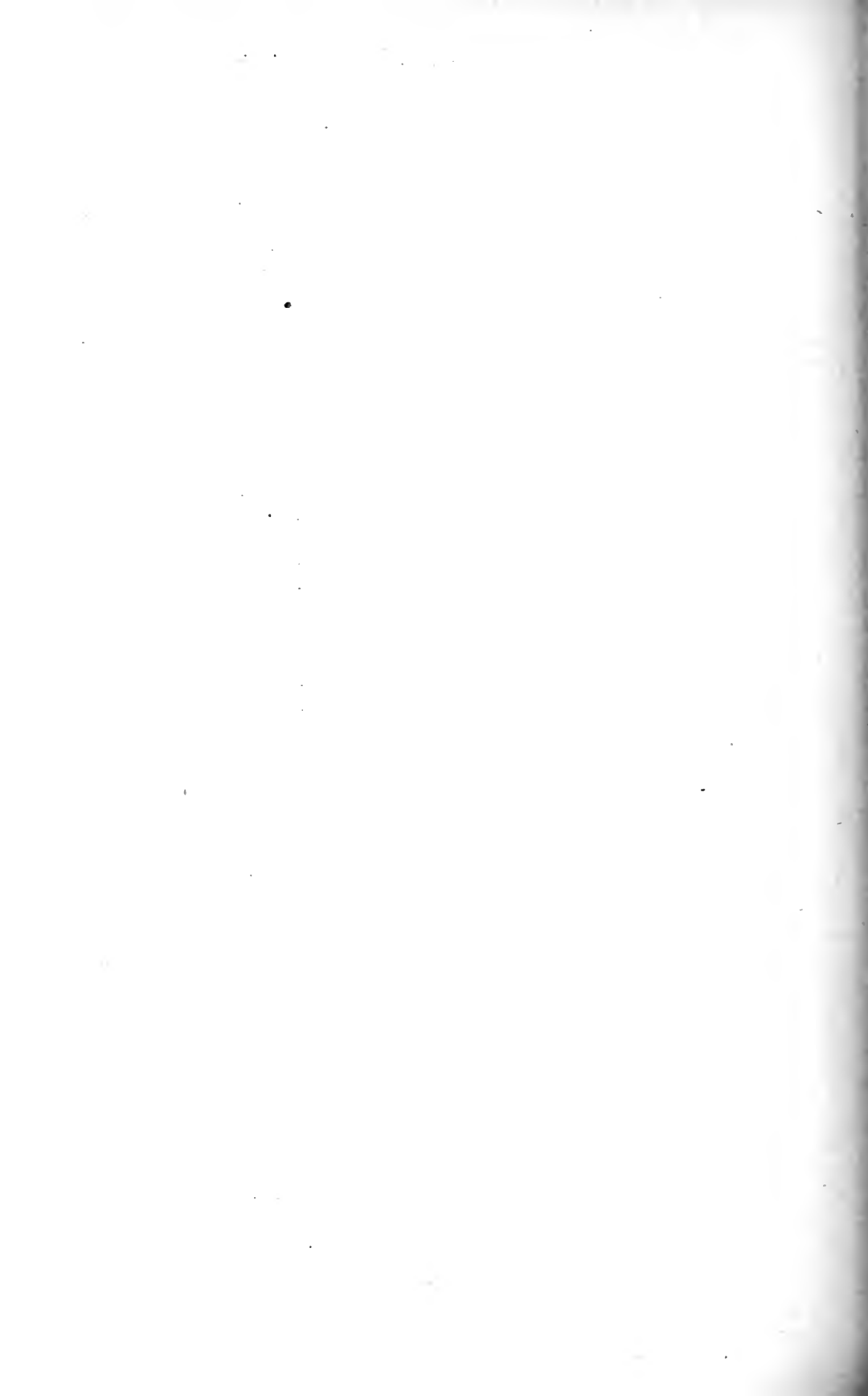
Outfits, Vaccines and Treatments supplied by Laboratory at Toronto during the year 1918.—Continued.

Municipalities	Outfits sent out								Doses of Typhoid-paratyphoid Vaccine supplied	Whooping Cough Vaccine	Silver nitrate for prevention of Ophthalmia	Pasteur preventive treatment	
	Syphilis (Wassermann)	Syphilis (Treponema Pallida)	Gonorrhoea	Water	Diphtheria	T.B.	Typhoid	Total				cases	No. of Injections
Simcoe—Con.													
Orillia.....	13	1	13	336	132	55	42	.....	120	.....	.....	.....	.....
Penetang.....	.....	.....	.....	.....	12	15	.....	.....	.....	.....	.....	.....	.....
Phelpston.....	.....	.....	.....	.....	.....	10	.....	.....	.....	48	.....	.....	.....
Shanty Bay.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
Stayner.....	7	1	1	6	12	5	6	.....	36	.....	.....	.....	.....
Victoria Harbor..	3	.....	.....	2	.....	.....	.....	.....	18	98	.....	.....	.....
Wanbaushene.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	106	.....	.....	.....
Stormont—													
Cornwall.....	6	6	6	24	12	20	12	.....	.....	.....	.....	.....	.....
Crysler.....	3	.....	2	.....	18	5	6	.....	.....	.....	.....	.....	.....
Osnabruk Centre..	.....	.....	.....	4	.....	5	.....	.....	.....	.....	.....	.....	.....
Thunder Bay—													
Fort William....	143	1	1	.....	6	5	6	.....	48	1,220	90	.....	.....
Port Arthur.....	1	1	1	.....	42	30	42	.....	48	908	150	.....	.....
Schreiber.....	.....	.....	.....	4	.....	.....	.....	.....	.....	58	.....	.....	.....
Victoria—													
Bobcaygeon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28	.....	.....	.....
Coboconk.....	1	1	1	.....	30	5	6	.....	.....	.....	.....	.....	.....
Kinmount.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28	.....	.....	.....
Lindsay.....	.....	.....	12	37	12	10	60	.....	.....	.....	.....	.....	.....
Little Britain.....	.....	.....	.....	.....	.....	.....	.....	.....	18	.....	.....	.....	.....
Waterloo—													
Ayr.....	6	5	.....	4	12	15	6	.....	27	10	15	.....	.....
Elmira.....	.....	.....	.....	8	6	5	6	.....	.....	.....	.....	.....	.....
Galt.....	19	7	7	.....	48	5	18	.....	6	42	5	.....	.....
Hespeler.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kitchener.....	96	36	72	36	288	40	6	.....	.....	.....	50	.....	.....
New Hamburg.....	.....	.....	.....	.....	.....	.....	.....	.....	27	.....	15	.....	.....
Preston.....	.....	.....	.....	2	.....	.....	.....	.....	18	.....	10	.....	.....
St. Jacobs.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....	.....
Waterloo.....	4	.....	.....	.....	6	5	6	.....	.....	.....	.....	.....	.....
Wellesley.....	.....	.....	.....	.....	.....	15	.....	.....	.....	.....	.....	.....	.....
West Montrose.....	.....	.....	.....	.....	.....	.....	6	.....	6	.....	.....	.....	.....
Welland—													
Bridgeburg.....	.....	.....	.....	.....	6	10	6	.....	.....	.....	2	48	.....
Chippawa.....	5	.....	5	18	6	25	6	.....	30	.....	20	.....	.....
Fenwick.....	6	6	6	.....	.....	.....	.....	.....	.....	.....	30	.....	.....
Fort Erie.....	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	.....	.....	.....
Humberstone.....	.....	.....	.....	.....	.....	.....	.....	.....	90	.....	.....	.....	.....
Niagara Falls....	11	1	1	33	6	5	18	.....	30	.....	205	.....	.....
Port Colborne....	4	.....	.....	.....	12	10	12	.....	108	.....	.....	.....	.....
Port Robinson.....	.....	.....	.....	.....	6	5	6	.....	.....	.....	.....	.....	.....
Ridgeway.....	.....	.....	.....	.....	.....	.....	.....	.....	72	.....	.....	.....	.....
Stevensville.....	.....	.....	.....	.....	6	5	6	.....	.....	.....	.....	.....	.....
Thorold.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40	.....	.....	.....
Welland.....	19	1	1	12	6	5	6	.....	93	112	110	.....	.....
Wellington—													
Arthur.....	6	.....	.....	.....	12	10	12	.....	6	.....	.....	.....	.....
Drayton.....	6	.....	.....	.....	24	10	.....	.....	.....	28	.....	.....	.....
Elora.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20	734	.....	.....
Erin.....	.....	.....	.....	12	.....	10	.....	.....	.....	.....	.....	.....	.....
Fergus.....	9	1	1	.....	6	25	6	.....	.....	.....	.....	.....	.....
Guelph.....	61	1	1	45	18	30	6	.....	18	50	.....	.....	.....
Harriston.....	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hillsburg.....	.....	.....	.....	.....	.....	.....	.....	.....	6	.....	.....	.....	.....
Mount Forest.....	.....	.....	.....	4	.....	15	.....	.....	.....	136	.....	.....	.....

YEARLY REPORT.

Outfits, Vaccines and Treatments supplied by Laboratory at Toronto during the year 1918.—Concluded

Municipalities	Outfits sent out								Doses of Typhoid-paratyphoid Vaccine supplied	Whooping Cough Vaccine	Silver nitrate for prevention of Ophthalmia	Pasteur preventive treatment		
	Syphilis (Wassermann)	Syphilis (Treponema Pallida)	Gonorrhoea	Water	Diphtheria	T. B.	Typhoid	Total				cases	No. of Injections	
Wellington—Con.														
Palmerston	5	1	1		18	15	18					15		
Puslinch				4										
Rockwood	6		6								39			
Wallenstein					6	5								
Wentworth—														
Binbrook											28			
Dundas	6			6	18	10	12							
Hamilton	462					10			342	2,364	105			
Lynden				3	12	5								
Rockton					6	5								
Stony Creek				2										
York—														
Aurora					24						38	75		
Downsview				1										
Fairbank				2										
Humber Bay				1										
King					6									
Kleinburg				4										
Lambton Mills											14	10		
Locust Hill				1										
Long Branch	6	6		19						6				
Maple	6									6	56			
Markham	12		12	2		5							10	
Mimico	24			2	528	18			840			10		
Mount Albert						5	6							
Newmarket	64				6	6								
Pine Grove				1										
Queensville					12				14					
Richmond Hill	6		31		36	10						35		
Roche's Point				1										
Scarboro'				1										
Stouffville	6											25		
Sutton West				12	12									
Thornhill											378	15		
Todmorden				6	12									
Toronto	1254	27	315	31	90	25			116360	11717	180	8	192	
Unionville					6	5					25	20		
Weston	72			16	204	25	18			24				
Woodbridge				1										
Wychwood				1										
The Provinces—														
Montreal, Que.											48			
Quebec, Que.									5,500					
St. John, N. B.									8,610					
St. John's, Nfld.									5,590					
Saskatoon, Sask.										140				
Victoria, B.C.									16,500					
Winnipeg, Man.									46,475					
Totals	4,635	207	1,039	2,659	9,875	3,155	1,845	....	534,629	35,506	6,554	25	582	



REPORT OF THE BRANCH LABORATORY OF THE BOARD AT LONDON (INSTITUTE OF HEALTH)

The number of examinations made by the Branch Laboratory of the Provincial Board of Health at London (Institute of Public Health) in 1918 were as per table:

EXAMINATIONS.

Diphtheria:—		
Swabs for Release		897
Positive	290	
Negative	607	
Swabs for Diagnosis		2,340
Positive	305	
Negative	2,035	
Sputums for Tubercle Bacilli		1,045
Positive	124	
Negative	930	
Blood for Typhoid Reaction		267
Positive	77	
Negative	190	
Colloidal Gold Reaction		83
Syphilis—Wassermann Reaction		1,200
Very Strongly Positive	270	
Strongly Positive	72	
Positive	68	
Negative	790	
Treponema Pallida		4
Positive	2	
Negative	2	
Gonorrhoea		103
Positive	29	
Negative	74	
Rabies Diagnosis		5
Food Content		287
Preservatives Negative		14
Milk for Examinations		131
Extraneous Matter		2
Water for Bacteriological Analyses		729
Miscellaneous Specimens		411
Total		7,527

REPORT FROM LABORATORIES OF THE PROVINCIAL BOARD OF HEALTH OF

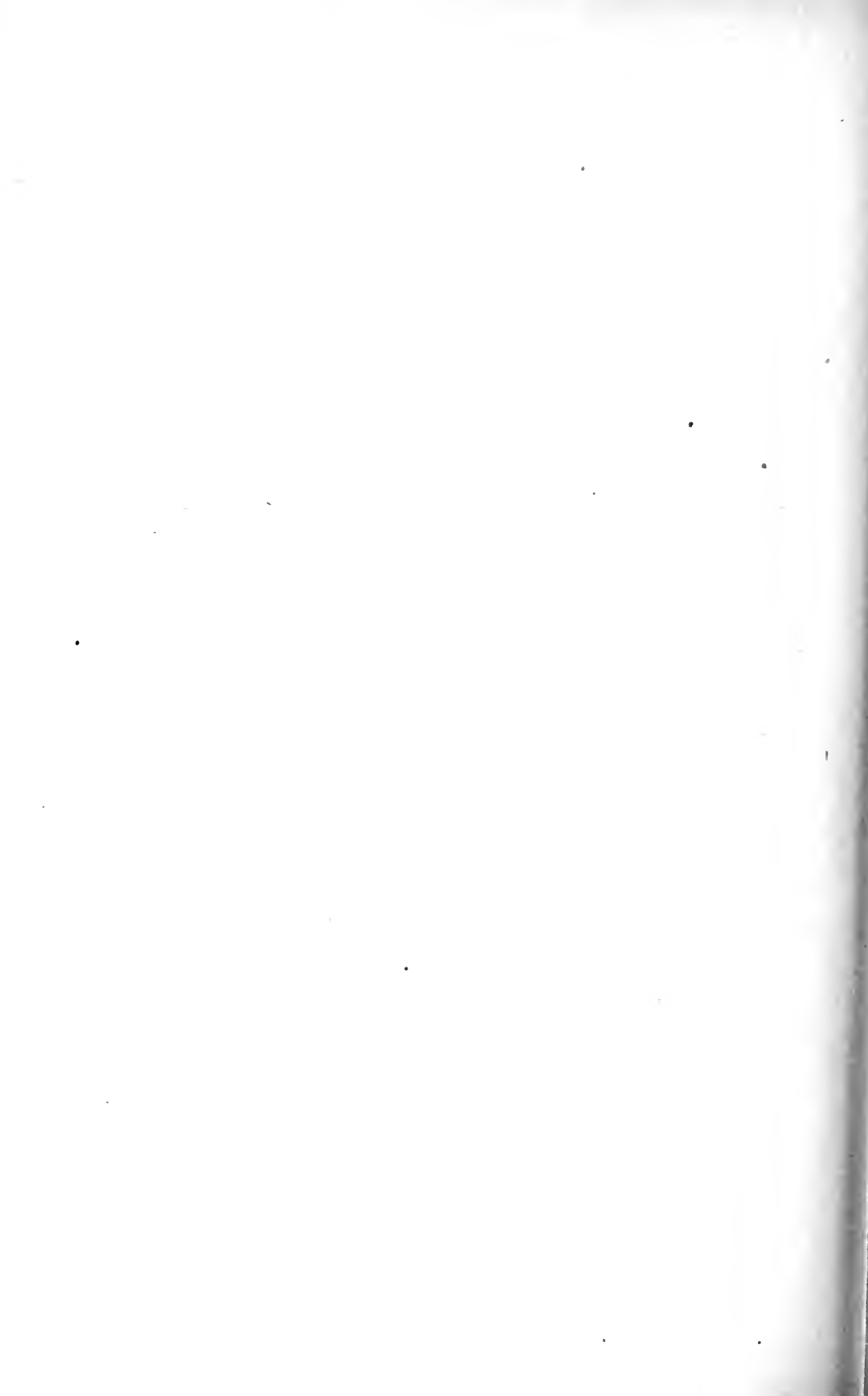
Municipalities	Diphtheritic Swabs.				Tuberculous Sputa		Typhoid Bloods.		Syphilis							
	Release		Diagnosis		+	-	+	-	Wassermann Reaction			Treponema Pallida.				
	+	-	+	-					Colloidal Gold Reaction	Very Strongly Positive	Strongly Positive	+	-	+	-	
Algoma—																
Hornepayne.....											1				1	
Brant—																
Brantford.....					3	3		1			1				2	
Paris.....					1	7		1								
Bruce—																
Elmwood.....																
Kincardine.....							2									
Lucknow.....					1	1	1	1								
Mildmay.....			1	2		5	1									
Paisley.....																
Port Elgin.....																
Southampton.....								1							3	
Teeswater.....					1		1									
Elgin—																
Aylmer.....							1									
Dutton.....	1			6			3									
Lawrence.....			2	1												
St. Thomas.....			1	6	1			1	2		11		3	26	1	
Union.....												2				
Wallacetown.....	2															
West Lorne.....	1			4												
Essex—																
Amherstburg.....							1									
Comber.....							1	3								
Essex.....							1									
Ford City.....		1		11	1			1	3							
Belle River.....															1	
Harrow.....						3										
Kingsville.....	1				2	2										
Sandwich.....				2												
South Woodslee.....									1							
Walkerville.....	9	3	39	119	1	3			2				1	3		
Wheatley.....						1	2		4							
Windsor.....	8	48		78	1	1		6		1	1	3	5			
Halton—																
Burlington.....						1										
Haldimand—																
Dunnville.....				1	1	3		4								
Hastings—																
Marmora.....																
Huron—																
Blyth.....				1		1										
Clinton.....									3							
Crediton.....				1												
Exeter.....				1												
Goderich.....	1	5	1	7		1		2		4		1	4			
Hensall.....			1	2		1										
Kirkton.....				1				1								
Seaforth.....																
Wingham.....					2											
Zurich.....											1					
Kent—																
Blenheim.....				3	6	18	2	3								
Chatham.....				2	1	10	4	15		9	3	5	12			2
Dresden.....						1										
Duart.....					3	6								1		

REPORT FROM LABORATORIES OF THE PROVINCIAL BOARD OF HEALTH OF

Municipalities	Diphtheritic Swabs				Tuberculous Sputa		Typhoid Bloods		Syphilis							
	Release		Diagnosis						Wassermann Reaction				Treponema Pallida			
	+	-	+	-	+	-	+	-	Colloidal Gold Reaction	Very Strongly Positive	Strongly Positive	+	-	+	-	
Oxford—Continued.																
Thamesford						1	2									
Tillsonburg								1	2							
Woodstock			1	2	2	1	1	3		1		2	2			
Peel—																
Brampton				1												
Perth—																
Listowel				2				5								
Mitchell										1						
St. Mary's				2	3	3	4	6								
Stratford			1	3	1	7		1		1	2			6		
Prescott—																
Hawkesbury														1		
Simcoe—																
Collingwood										3					1	
Oro														1		
Timiskaming—																
Smooth Rock				1			1			1				2		
Thunder Bay—																
Fort William														2		
Waterloo—																
Baden					1	2										
Galt						1										
Hespeler																
Kitchener				5			11	11		7	5	3	36			
New Dundee								1								
Preston						1										
Weland—																
Erie Beach																
Wellington—																
Clifford																
Drayton				1												
Guelph				5	2	180	1			10	2	1	26			
Harriston											1					
Palmerston														1		
Wentworth—																
Hamilton										1				2		
York—																
Mimico				2												
Stouffville														1		
Toronto														2		
Grand Total	290	607	305	2035	124	930	77	190	83	270	72	68	790	2	2	

ONTARIO AT LONDON FOR THE YEAR 1918.—SPECIMENS EXAMINED.—*Con.*

Gonorrhoea	Rabies Diagnosis				Milk								Waters		Liquors for License Dept.	Miscellaneous Specimens	Total for Year				
	Negri Bodies		Animal Inoculations	Food Content		Preservatives	Bacteriological				Count	Extraneous Matter	Number of Milk Samples	Chemical				Bacterial			
	Animal	+		-	Fats		Total Solids	+	-	Tubercle Bac.									Pus Cells		
		+		-						+									-	+	-
1	1																1	3			
	1																	6	16		
																			1		
																		1	8		
																		1	1		
																3	3		24		
	4	5																2	33		
																			1		
																			4		
																		1	1		
																		2	7		
																			2		
																			3		
	2																		3		
	2																		2		
	2																	2	82		
																			1		
																			1		
															3	3			6		
																			2		
																		2	3		
																			227		
															4	4			9		
																			1		
																			3		
																			2		
																			1		
																			2		
29	74	5				230	57	14						131	2		344	385	411	7527	



REPORT OF THE BRANCH LABORATORY OF THE BOARD AT KINGSTON

The Chairman and members of the Provincial Board of Health:

GENTLEMEN.—I have the honour to submit the report of the work done in the Local Laboratory of the Provincial Board of Health during the year 1918.

In this year 4,700 specimens were examined as per appended table.

Diphtheria:—		
Swabs for Release from Quarantine		365
Positive	137	
Negative	228	
Swabs for Diagnosis		868
Positive	120	
Negative	748	
Sputums for Tubercle Bacilli		932
Positive	146	
Negative	786	
Blood for Typhoid Reaction		650
Positive	168	
Negative	482	
Syphilis—Wassermann Reaction		658
Positive	312	
Negative	346	
Treponema Pallida		4
Positive	2	
Negative	2	
Gonorrhoea		375
Positive	72	
Negative	303	
Water for Bacteriological Analyses		564
Miscellaneous Samples		284
 Total		 4,700

REPORT FROM BRANCH LABORATORIES OF THE PROVINCIAL BOARD OF HEALTH

Municipalities.	Diphtheritic Swabs.				Tuberculous Sputa		Typhoid Bloods.		Syphilis.							
	Release		Diagnosis		+	-	+	-	Wassermann Reaction				Treponema Pallida.			
	+	-	+	-					Colloidal Gold Reaction	Very Strongly Positive	Strongly Positive	+	-	+	-	
Prescott.—Con.																
Riceville				1												
Vankleek Hill					1											
Prince Edward—																
Pictou						1	1									
Renfrew—																
Arnprior					2					1					1	
Calabogie						1										
Cobden					2	9		1								
Killaloe						1										
Pembroke				2	5	7									1	
Petawawa						2									2	
Renfrew	9	9	5	10	4	9		2							1	
Westmeath						1										
Simcoe—																
Barrie									3							
Stormont—																
Cornwall	2	3	2	6	7	11	2	2			1					
Finch				1	1											
Newington				1	2	2	1	8		1						
Osnabrock Centre				1			1	2								
Grand Total	137	228	120	748	146	786	168	482	.....	90	145	77	346	2	2	

OF ONTARIO AT KINGSTON FOR THE YEAR 1918.—SPECIMENS EXAMINED.—*Con.*

Gonorrhoea	Rabies Diagnosis				Milk								Waters		Liquors for License Department	Miscellaneous Specimens	Total for Year				
	Animal	Negri Bodies		Animal Inoculations	Food Content		Preservatives	Bacteriological				Count	Extraneous Matter	Number of Milk Samples				Chemical	Bacterial		
		+	-		Fats	Total Solids		+	-	Tubercle Bac										Pns Cells	
										+	-									+	-
																		1			
																		1			
																1		3			
																5		9			
																		1			
																1		12			
																		2			
																7		15			
																		11			
																		49			
																		1			
																		3			
																3		40			
																		2			
																		15			
																1		5			
72	30	3													564		284	4700			

THE SANITATION OF ISOLATED RESIDENCES AND INSTITUTIONS.

PETER GILLESPIE, M.E.I.C.

(Read before Canadian Public Health Association, Toronto, May, 1919.)

Community health can be preserved only when sources and modes of infection are well understood, for only then can preventative and remedial measures be intelligently planned. The danger in an impure water, for example, lies in the presence therein of germs possessing well-known characteristics. To remove filth and to admit sunlight is to banish those germ carriers that do not thrive in dry, clean and sunlit environments. Present-day methods of combating typhoid and Asiatic cholera are based on the knowledge that these diseases are contracted through food and drink and in no other way. While the habit of committing decaying organic matter to the earth is almost an instinct with human kind, it is not always realized that the capacity of soils to mineralize such matter is limited. Less frequently is it understood that only as the bacterial life in the surface layers is promoted can mineralization proceed. To remove and destroy organic waste, then, in addition to being an act normally suggested by sentiment, is to eliminate a cause of soil and water pollution sometimes unsuspected and little understood. As such it becomes a duty enjoined by the great law of self-preservation.

Of 400 farm homes in the Province of Ontario included in a rural survey conducted by the Commission of Conservation, Canada, and reported by it in 1915, only 2.5 per cent. were provided with a complete sanitary service including running water, water closets and bathrooms of the kind usually found in urban residences. These conveniences are unfortunately too rare in our rural communities. No single reform would mean more in the alleviation of the housewife's drudgery or would contribute more to her comfort than their general introduction. Then, I suspect, we should hear less of the decline of rural population, the rural church and the rural school. One might wish that that gallantry which inspired a great gathering of toilers convened, according to Mr. Kipling, at the instance of a gifted monarch, now fallen and disgraced, might afford light and leading to Canadian men on whom the responsibility rests:

"They passed one resolution: Your sub-committee believe
You can lighten the curse of Adam when you've lightened the curse of Eve,
But till we are built like angels—with hammer and chisel and pen,
We will work for ourself and a woman, forever and ever, Amen."

The object of this paper is to describe briefly a few methods of sewage treatment for isolated residences or institutions, adapted to somewhat varying conditions. They may be installed at moderate cost and when given a little intelligent supervision afford permanent solutions for their respective problems. Through them, the pollution of soil and ground waters and the nuisance offensive alike to sight and smell may be satisfactorily avoided.

PLUMBING ESSENTIALS.

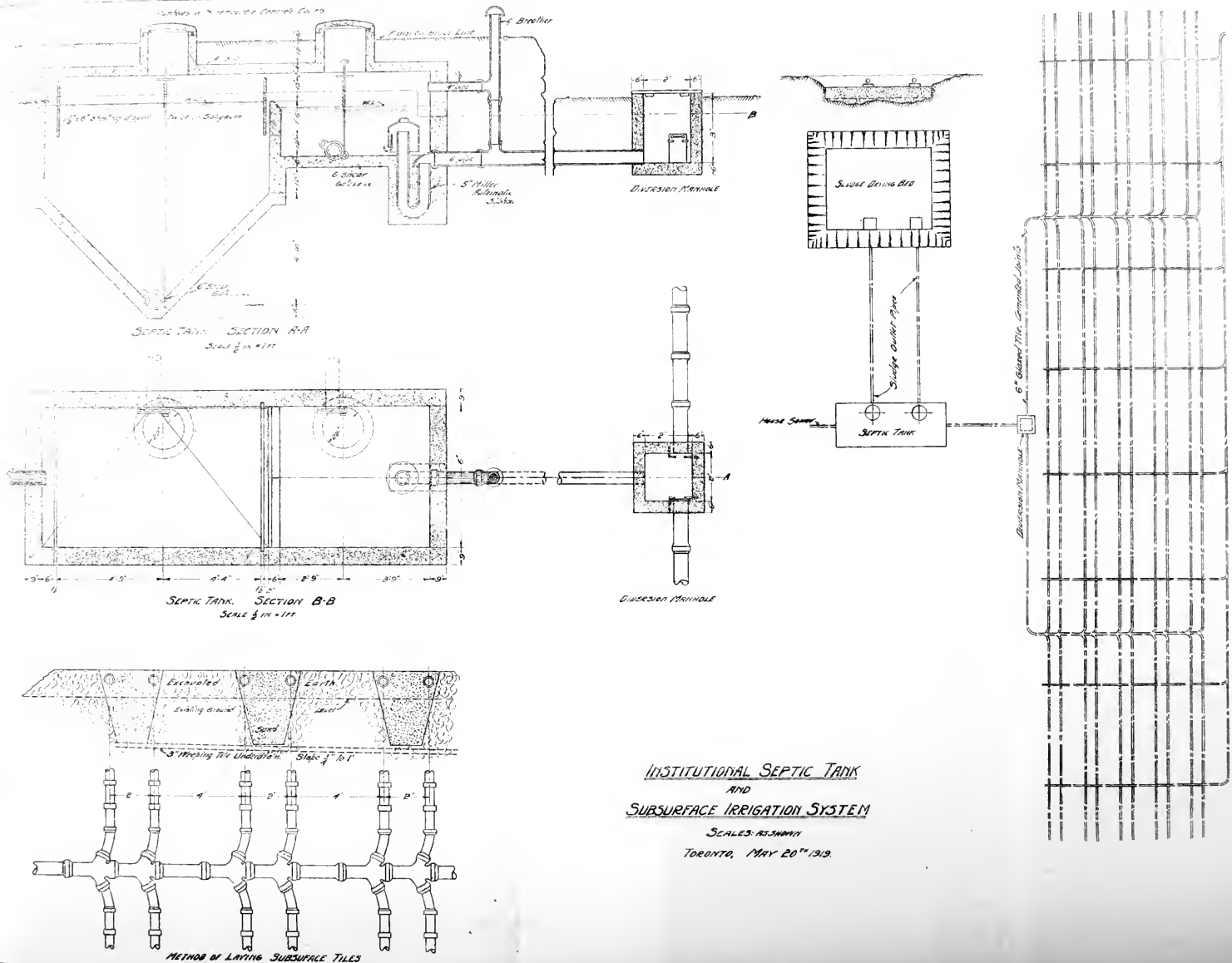
The water carriage system is, of course, the one contemplated, since it is the cleanest and most sanitary. The drainage system should be so constructed as to convey to a place of treatment, quickly and completely, everything emptied into it. It should be everywhere watertight and airtight. The vertical portion of the soil

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SEPTIC TANK SECTION A-A
SCALE 1/4" = 1'-0"

SEPTIC TANK SECTION B-B
SCALE 1/4" = 1'-0"

DISSECTION MANHOLE

SILT AND GREASE TRAP

SEPTIC TANK

6" GLAZED TILE SILT AND GREASE TRAP

INSTITUTIONAL SEPTIC TANK
AND
SUBSURFACE IRRIGATION SYSTEM

SCALE: AS SHOWN
TORONTO, MAY 20th 1919.

METHOD OF LAYING SUBSURFACE TILES

pipe should pass through the roof for ventilation and should be as nearly plumb as possible. The horizontal portion to a point outside the basement wall, as well as the upright portion, should be of cast iron. Every fixture should have a trap with water seal to prevent the foul air escaping into the rooms. To prevent the siphonage of these seals, all traps should be vented into a vent pipe connecting with the soil pipe above the highest fixture and also usually below the lowest. Various types of so-called non-siphoning traps, not requiring venting, are in the market. The use of these when permitted, reduces somewhat the cost and complexity of the plumbing installation, but, it is generally conceded, with some impairment in performance. The inlet to the bath-tub should not be lower than the water level when full, otherwise there is a possibility of the bath water siphoning over and appearing at some faucet lower down. All plumbing should be accessible for repairs, and all fixtures for bathroom and kitchen should be open, permitting free access of light and air. The house sewer leading to the place of treatment should be of 6-inch vitrified tile carefully laid on a falling grade of from $\frac{1}{4}$ in. to $\frac{1}{8}$ in. per foot, preferably the former. Carelessness in laying sometimes results in pockets being left in the sewer line in which solids are stranded and serious frost troubles are likely to occur. If changes in either alignment or grade between the house and the treatment plant are necessary, these should be marked by inspection manholes. All joints should be caulked with Portland cement mortar to prevent escape of sewage outward or leakage of ground water inward. Roof water should be excluded from the house sewer.

The treatment of sewage from residences and institutions where no system of public sewers exists, is governed by the same principles that apply in the case of larger projects. There are, notwithstanding, certain differences. In the former the fluctuation in flow, hourly and daily, is more marked, and in order to secure some uniformity in quality of sewage and to allow sufficient time for solids to settle out, somewhat greater storage capacity in sedimentation tanks should be provided when such are employed. All appliances should be as simple, automatic and fool-proof as possible.

A common and obvious method is to discharge the sewage directly into the nearest watercourse. In some cases this is justifiable. Indeed, dilution either as a sole or as a finishing process is very generally employed. But the growing appreciation of the necessity of safe water supplies, the wish to avoid the creation of nuisances offensive to sight and smell, an increasing realization of the responsibilities incident to community life and the fact that the beneficent stream is often not available, have led to the development of alternative methods. Indeed the alternative method is the usual one in the case of the residential or institutional problem.

CESPOOLS.

Leaching cesspools are really excavated pits walled in by open stone-work so that the liquid contents are free to enter the soil if porous. Sooner or later the solids fill the cesspool and a new one must be constructed. The depth is usually such that practically no oxidation takes place in the surrounding soil, and as putrefactive and anaerobic changes are very offensive, pollution of the soil is inevitable and of adjacent wells very probable. There is on record the case of a town on the western plains which for years had made general use of cesspools for the reception of its wastes and of surface wells for its water supply. It found itself finally with a serious outbreak of typhoid fever on its hands. An

examination of the surroundings disclosed the fact that there was in some cases free communication between privy vaults and shallow wells, and the report of the health officer conducting it closed with the remark, more truthful than complimentary, that it seemed almost an extravagance to have two holes in the ground when, without greatly adding to the existing danger, one might have served both purposes.

If the soil on the other hand be impervious, or if the vault be lined with watertight masonry, the chamber soon fills with liquor which putrefies and overflows on the surface if no other outlet be provided. If from the outlet, open jointed tiling be laid near the surface, surrounded by porous soil, gravel or cinders, a partially aerated absorption area is created in which limited oxidation may proceed. But since the outflow is trickling and continuous, the first portion of the area gets the major portion of the liquor and the rest scarcely any. Aeration is in consequence much hampered, for soil filtration in order to be effective must be intermittent.

The leaching cesspool pollutes the soil surrounding it because there is neither intermittency nor aeration. By it, filth is buried without being reduced to stable and innocuous forms. An eminent physician has said, it is a relic of mediaeval shiftlessness and carelessness for which little excuse can be found. The tight cesspool on the other hand was something of an improvement. Both were precursors of the two-chambered septic tank with automatic siphon whereby the settled sewage is held back until a pre-determined quantity has accumulated. This is discharged at one flush through tiles to the absorption area, insuring something like uniform distribution and providing between doses sufficient opportunity for aeration of the soil so necessary for satisfactory nitrification. The net result is that there has been enlisted the combined purifying resources of a large area of surface soil and an ample supply of atmospheric oxygen together with an intermittency in application which makes the process capable of indefinite repetition. This is the sub-surface irrigation method, sometimes spoken of as the Waring system since it was first employed by the late Col. George E. Waring for his residence in Newport, R.I., fifty-one years ago. It is usually the least expensive to install and the least troublesome to maintain, and where the topography, soil and environment are favourable has been successfully employed for contributing populations exceeding 100 persons.

FALL REQUIRED FOR A SUB-SURFACE IRRIGATION INSTALLATION.

It is a great convenience in a residence or an institution to have laundry and water closet facilities in the basement and to be able to drain the basement floor into the house sewer. This necessitates laying the latter sufficiently below the basement floor to permit of the installation of these conveniences. The invert of the house sewer at its junction with the vertical soil pipe will lie about 15 inches below the basement floor and the plan for sewage treatment will have to take this into account. Where the fall is ample the solution is easy, but where the ground adjacent to the building is very flat, difficulties occur. If the septic tank is to lie 100 feet from the vertical soil pipe and the sub-surface drainage area is 60 feet farther on; if the house sewer is to have a fall of $\frac{1}{4}$ inch per foot and if the inverts of the sub-surface drains are to be 12 inches below the surface of the soil as is usually recommended, the least difference in elevation between the basement floor and the sub-surface drainage area will be found as below:

Difference in elevation between basement floor and invert to house sewer..	1 ft. 3 in.
Drop in 100 feet of sewer, $\frac{1}{4}$ -in per foot	2 ft. 1 in.
Difference in water level in tank and H.W.M. in siphon chamber	2 in.
Drop from H.W. mark in siphon chamber to invert of siphon	1 ft. 8 $\frac{1}{2}$ in.
Drop in 60 ft. of sewer, $\frac{1}{4}$ -in. per foot	1 ft. 3 in.
Total	6 ft. 5 $\frac{1}{2}$ in.

From this total, one foot is to be subtracted owing to the fact that the sub-surface drains are 12 inches beneath the surface. For the conditions assumed it is therefore necessary that the drainage area be 5 ft. 5 $\frac{1}{2}$ in. below the basement floor. The gradients for the house sewer and the effluent line could be lessened slightly thus reducing the figure given. In flat districts therefore, the building site should, if possible, be on the highest available ground and the basement excavation should be shallow. In some cases it may be necessary to construct the plant partially above ground where the necessary fall cannot be obtained otherwise. Sanitary conveniences in the basement would, of course, have to be sacrificed if this course were adopted.

Fig. 1 is a design of a septic tank and a sub-surface irrigation system for an institution occupied by about forty people. The buildings stand on the bank of a small stream, the ground being probably fifteen feet above mean low water level. The sedimentation tank has a hopper shaped bottom and the sludge outlet is controlled by a 6-inch shear gate operated from the manhole above. The siphon chamber is equipped with a 5-inch Miller siphon drawing about 23 inches of water. This chamber, too, is provided with a shear gate so that accumulations of sludge may be drawn off to the drying bed from time to time. The septic tank is provided with a breather. The main trap was purposely omitted on the house sewer. The breather, in consequence, normally acts as a fresh air inlet and the soil pipe through the roof performs the functions of a chimney to the septic tank.

The soil is a rather heavy clay loam and was not considered suitable of itself to act as an absorption and aeration area. Trenches were dug in the soil as shown and the excavated soil ridged up between adjacent trenches. The underdrains were laid transverse to the distribution tile, and spaced about 18 feet apart. They led to an outlet near the stream. The trenches were filled with sand, near the surface of which the distribution tile were laid with open joints. A shallow covering of sand completed the operation.

The absorption area was divided into two parts and a diverting manhole was provided so that the respective areas could be dosed alternately.

The sludge drying area consisted of a plot 14 ft. by 18 ft. covered with a foot of sand and underdrained. The sludge capacity in the septic tank is in excess of 6 months' accumulation.

THE PERCOLATING FILTER.

Where the soil is not suitable for sub-surface irrigation, where its improvement is not feasible owing to a scarcity of sand or gravel, or where the area of land necessary for the less intensive methods is not available, the percolating or sprinkling filter, together with certain preparing and finishing accessories, will suggest itself. Filters of this type will treat 80 times as much sewage on a given area as the sub-surface system, the rates being 20,000 and 250 people to the acre respectively.

Fig. 2 shows a design for a percolating filter plant capable of treating the sewage from a population of 40 persons. The sewage is first passed through a
9 B.H.

sedimentation tank of the 2-storey or Emscher type during which passage 75 per cent. of the contained solids settle out through the slot leading to the sludge digestion chamber below. The 2-storey tank possesses two advantages over the type previously described. It gives a fresh effluent, since the incoming sewage is not permitted to mix with the septic contents of the lower chamber, and it produces an inoffensive sludge. It is generally conceded that a fresh sewage is more easily treated on a sprinkling filter than is a septic sewage.

It will be noticed that the sewage in the settling or upper chamber passes beneath two baffles and upward through an excelsior filter lying just beyond the second of these baffles. This is intended to screen out the larger particles in suspension which might clog the distributors above the main filter. The excelsior mat is about 3 inches thick, is supported on horizontal wooden bars 1 in. by $1\frac{1}{2}$ in. spaced 1 in. in the clear, and is kept from floating by a close mesh heavy galvanized wire screen laid on top. The excelsior is easily removed from time to time and replaced by new. It will be seen that accumulations on the lower side of this filter, which in the course of time lose their buoyancy, will gravitate through the slot into the sludge chamber below. To some extent, then, this filter is self-cleansing.

The settled sewage next passes over a weir into the siphon chamber which is equipped with a 3-inch Anthes or Miller siphon. When 2.3 cubic feet of liquor have accumulated, the siphon automatically discharges into a main wooden trough and 18 galvanized iron laterals having $\frac{1}{4}$ inch perforations at the sides spaced 3 in. centre to centre. It was intended that the filter would receive, on the average, a dose of sewage at 20-minute intervals.

The filter medium is of brush twigs varying in size from $3\frac{3}{8}$ in. to $3\frac{3}{4}$ in. bundled and tied together in sheaves about 9 in. diameter and 3 ft. long. The effluent from this percolating filter collects in a concrete lined hopper-like tray at the bottom. The sludge, always present in this effluent, is permitted to collect in the bottom of the hopper and is drawn off from time to time to drying beds through the lower of the two outlets. The upper 3-inch effluent pipe, terminating in an upward turned ell in the centre of the basin, conveys the effluent to the grass outside, where it runs away without producing offence. Provision for aeration and inspection is made through two lower windows and an upper door. The effluent should be non-putrescible if everything is working normally. The attendant should be trained to make the methylene blue test to check the character of the effluent and the efficiency of the filter.

The sludge from the sludge digestion chamber is discharged through a 4 in. cast iron pipe by hydrostatic pressure due to 4 ft. of head, to a drying bed.

The plant was designed for a hillside location where the fall was ample.

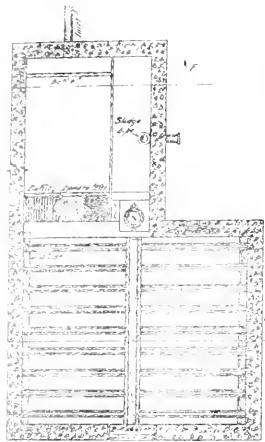
GREASE TRAPS.

Animal fat is essentially a mixture of stearine, palmitine and olein. The two former are solid at ordinary temperatures having melting points of 160° and 150°F. respectively. Olein is a liquid with a melting point of 23°F. The actual melting point of a fat or grease obviously depends upon the relative proportions therein of these three constituents. If the melting point were, say, 80°F. and the prevailing temperature of the sewage were 60°F., it is clear that the fats would congeal and could be separated in the solid state. In general this condition obtains and because of the fact that fats obstruct house sewers, disintegrate very slowly in the sludge chamber and choke filtering materials whether

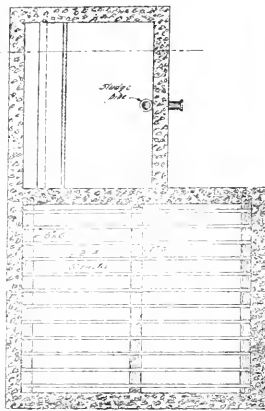
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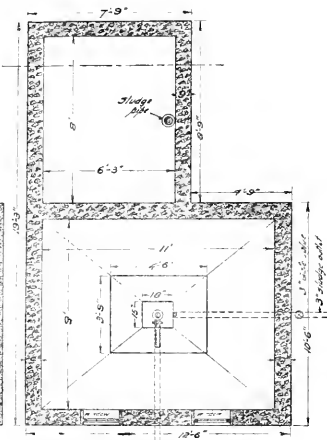
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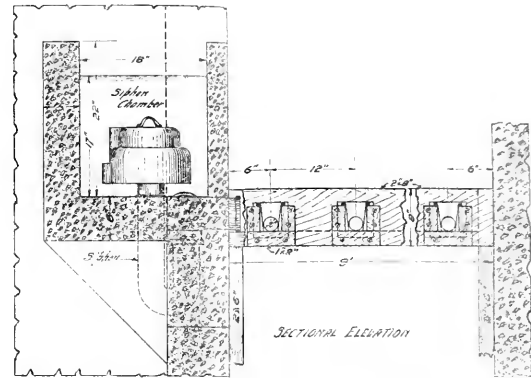
SECTION A-A



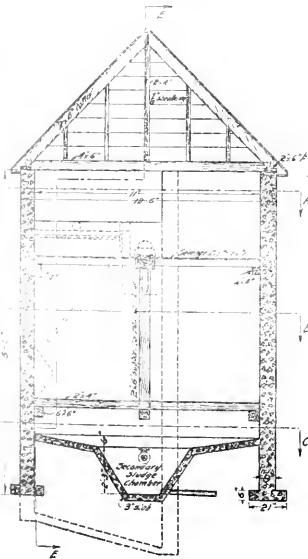
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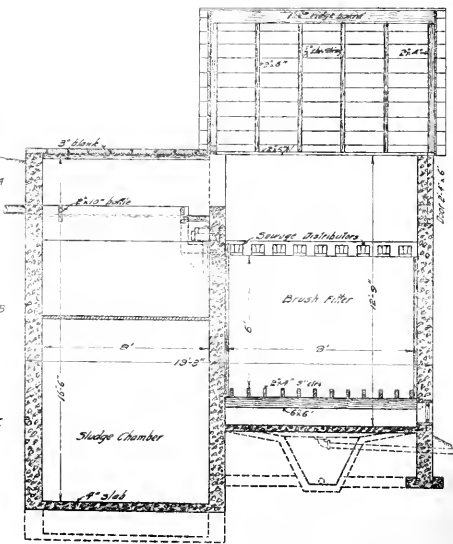
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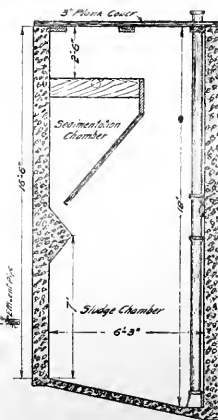
SECTIONAL ELEVATION



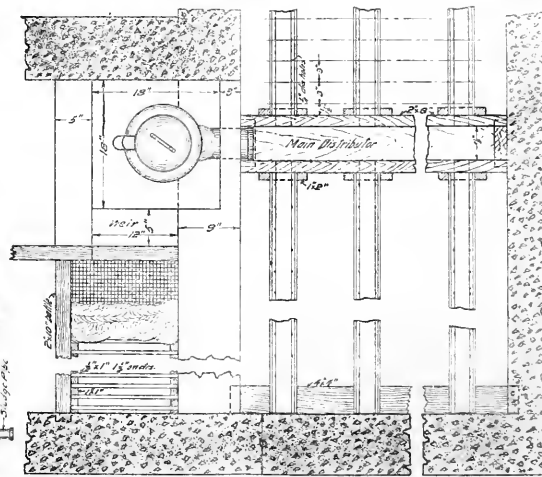
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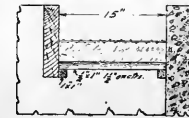
SECTION E-E



SECTION F-F



PLAN
DETAIL OF SYPHON CHAMBER AND
DISTRIBUTOR



UPWARD FILTER

SEWAGE TREATMENT PLANT
FOR AN INSTITUTION
CONTRIBUTING POPULATION FORTY

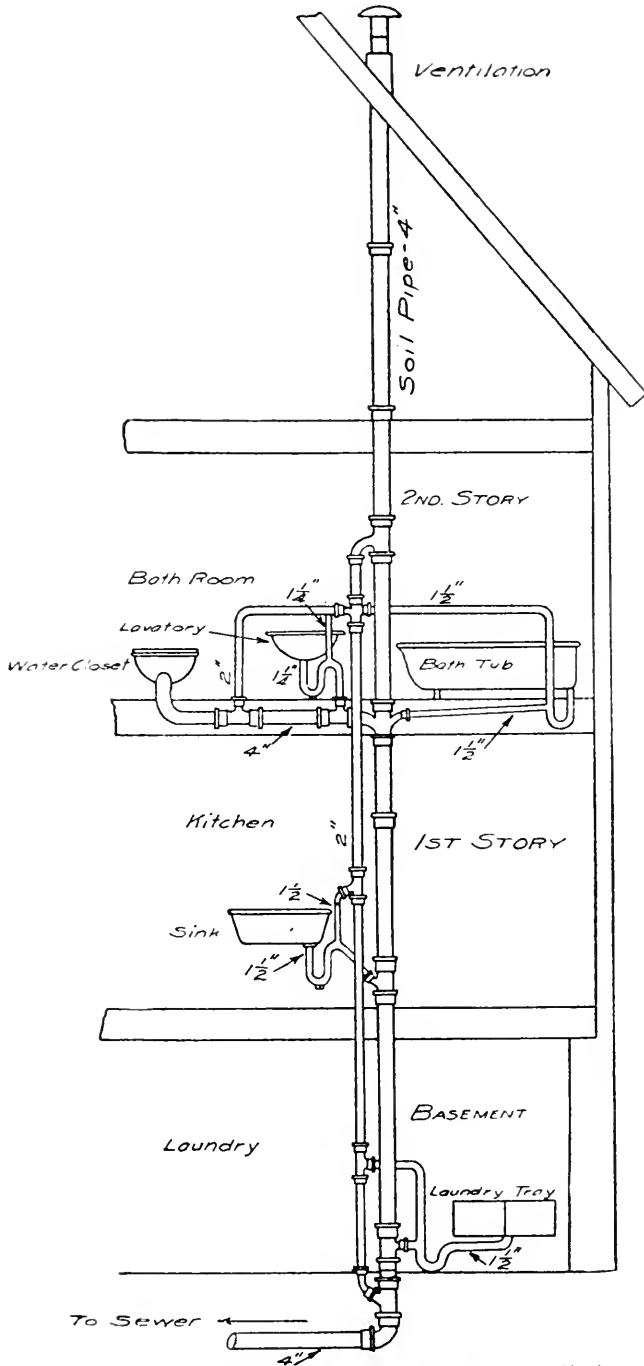
SCALE - $\frac{1}{8}$ IN. = 1 FT.
 $\frac{1}{16}$ IN. = 1 FT.

coarse or fine, their removal is highly desirable. Grease traps should be installed between the kitchen sink and the sedimentation tank and should be cleaned out periodically. They may be of simple construction or of the more elaborate type shown herewith in which the congealing of the grease is assured by passing the cold water for the kitchen requirements through a jacket surrounding the trap. In all cases, the sewage outlet should be well below the prevailing water line in the trap so that none of the floating fats may be carried away.

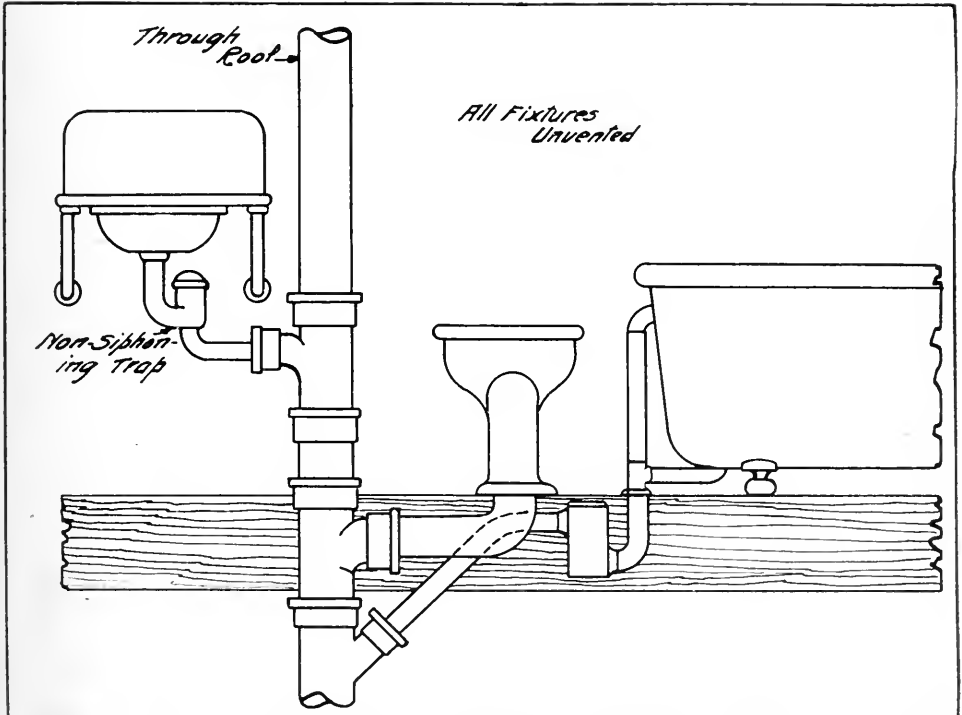
SEWAGE PUMPING.

If the topography be such that sewage has to be lifted, a choice between methods must be made. Either the crude sewage will be raised, then treated and in the process will gravitate to a final outfall, or it will be permitted to gravitate through underground filters, after which the effluent will be raised to the final outfall. The second method possesses the advantage that the liquor to be lifted is comparatively clear, a consideration of some importance when small pumps are to be employed. As to appliances, a choice will lie among the centrifugal pump operated by gasoline engine or, better still, electrically operated and float controlled, the hydraulic lift, the air lift and the sewage ejector. The automatic electrically operated pump is almost ideal but supposes an available electric supply. For the operation of the two last mentioned, a supply of compressed air is necessary. The hydraulic lift requires for its operation water under pressure or at an elevation of vantage. Sewage from a higher level has been employed through the use of the hydraulic lift to elevate other sewage from a lower level to a place of discharge.

In conclusion, let it be said that methods of treating the sewage wastes of rural residences and institutions are now available which at moderate cost give good service and avoid conditions that seriously pollute soil and water and are a menace to health. These methods vary with the conditions and no one process will be suitable for all situations. The selection of that method which is best suited to a given case will require the exercise of intelligent judgment and a study of the local settings. Finally when the plant has been constructed it should receive such attention as will enable it to perform the work for which it was designed, for no system, however carefully planned, can be expected to operate satisfactorily without some supervision.



House plumbing with all fixtures vented. Bulletin No. 57, U. S. Dept. of Agriculture.

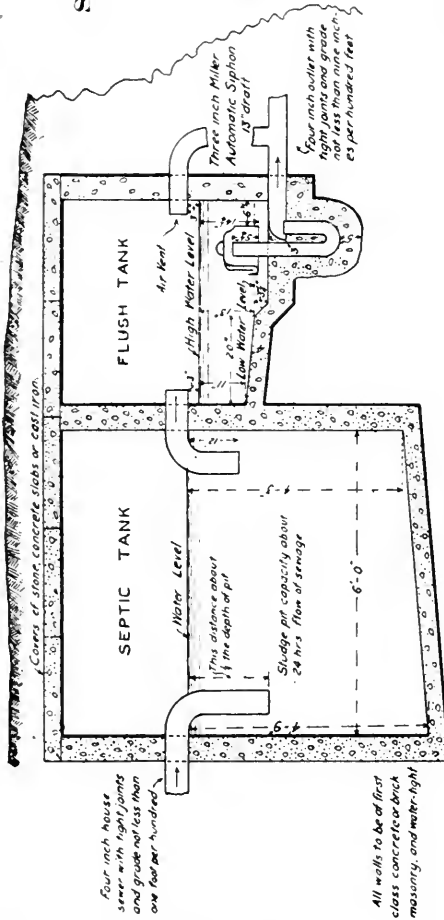


House plumbing fixtures not vented. Adapted from Starbuck's "Modern Plumbing."

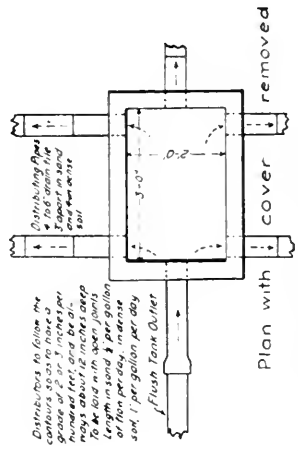
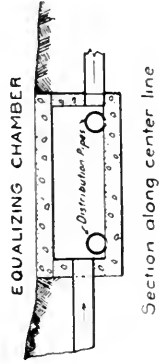
MICHIGAN STATE BOARD OF HEALTH
 PLAN OF A
SEWAGE DISPOSAL SYSTEM
 FOR A SINGLE HOUSE

Scale 3/4" = 1'-0"

Edward S. Reel, State Sanitary Engineer



All walls to be of first class concrete or brick masonry, and water-tight

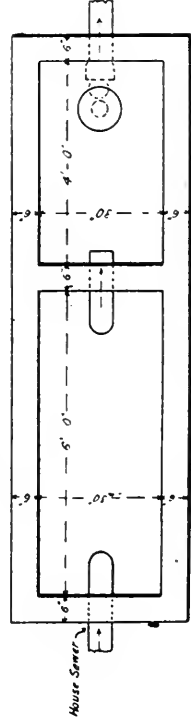


Outlet pipe to flush tank
 4 1/2" diam. pipe
 Exposed in sand
 1/2" draft

1" per gallon per day
 or 100 gallons per day

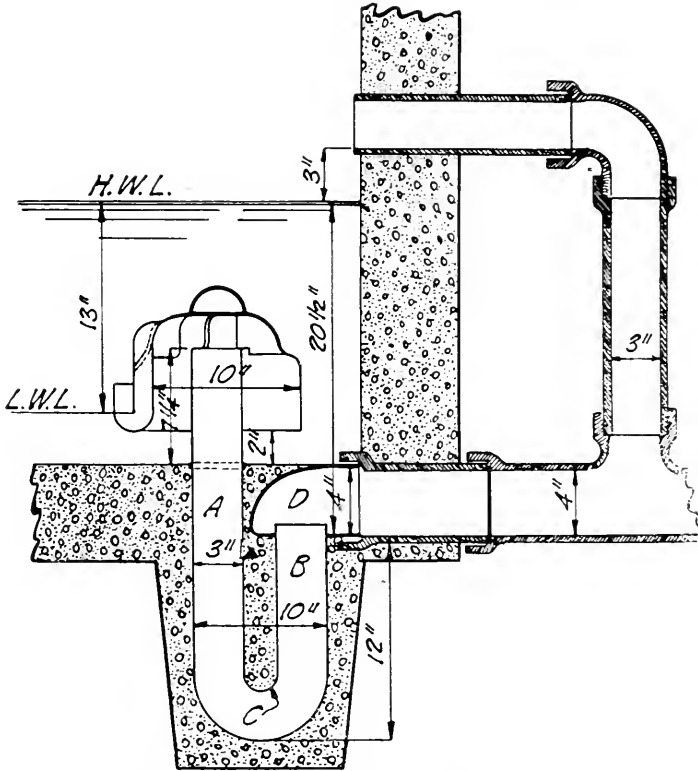
Length in sand 3/4 per gallon
 To be laid with open joints
 grate of 2 or 3 inches per
 hundred feet, and be slope
 1/4" per foot

Section along center line



Plan with covers removed

Sewage disposal system for a single house. Michigan State Board of Health.



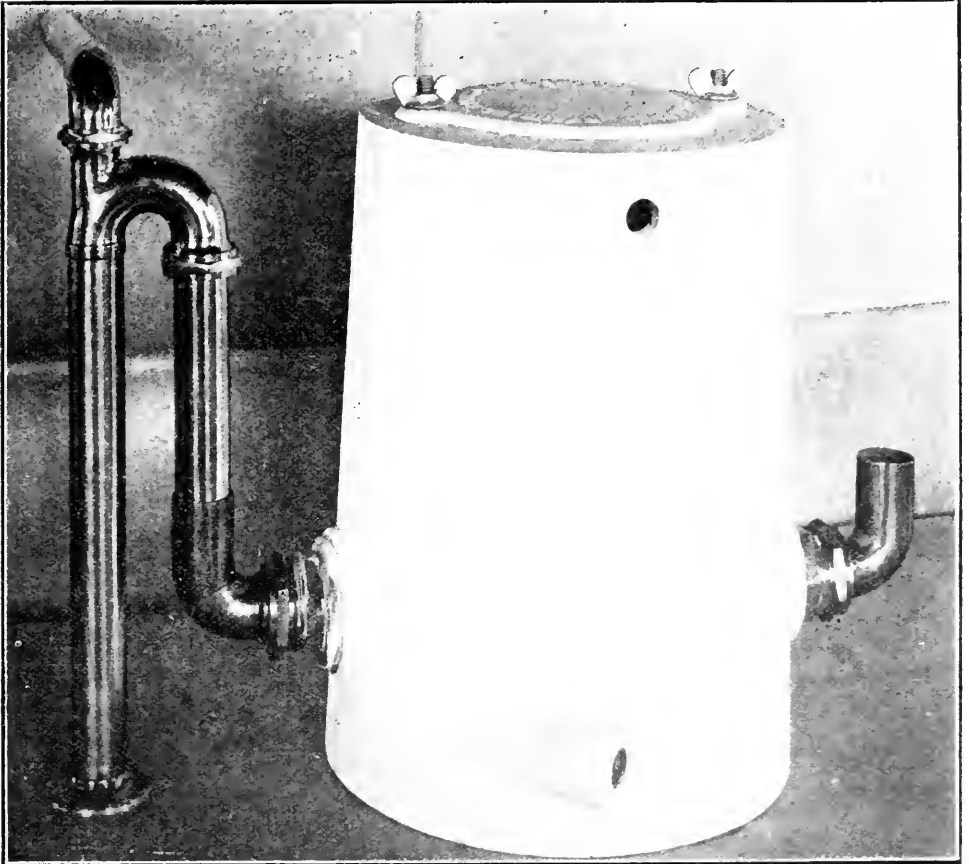
A standard 3-inch Miller Siphon. Bulletin 41, Iowa State College of Agriculture.



A tomato patch under which sub-surface tiles have been laid.



Evils of a defective siphon illustrated. The sludge has escaped into the sub-surface tiles which have been uncovered.



A modern water-cooled grease trap. Courtesy of Standard Sanitary Manufacturing Co., Toronto.

APPENDIX "A"

The reports appearing in this Appendix were received from the Secretaries of the Local Boards of Health of the cities and towns of the Province of Ontario, in conformity with section 23, ss. 3, of the Public Health Act, and have been edited by the Secretary of the Board.

BRANTFORD.

BRANTFORD, December 5th, 1918.

Board of Health, Brantford.

GENTLEMEN.—We beg to submit the following report of the Medical Health Office for the year ending November 1st, 1918:—

MORTUARY STATISTICS.

During this period there was a total of 523 deaths, including 35 cases of still births, leaving 488. Taking the assessor's report of the city's population at 28,725, it gives us a death rate of 17 per 1,000. This compares favourably with other years. However, included in the above list are 159 deaths due to influenza, and it is fair to say that if it had not been for this epidemic in October our death rate would have been 329, or 11.3 per 1,000.

Also included in the list are a number of deaths at the Brantford General Hospital of people from outside the city.

The following tables give the death rate in the various age periods:—

DEATHS REGISTERED FROM ALL CAUSES DURING YEAR ENDING 31ST OCTOBER, 1918.

Males	273	Sex unknown	6
Females	244		
		Total	523

AGES OF DECEASED.

Still born	35	35 years to 39 years	28
Under 1 year	72	40 years to 44 years	17
Under 2 years	21	45 years to 49 years	21
Under 3 years	15	50 years to 59 years	41
Under 4 years	4	60 years to 69 years	50
Under 5 years	5	70 years to 79 years	49
5 years to 9 years	8	80 years to 89 years	34
10 years to 14 years	10	90 and over	3
15 years to 19 years	15	Age unknown	3
20 years to 24 years	25		
25 years to 29 years	34	Total	523
30 years to 34 years	33		

CAUSES OF DEATHS.

Auto toxæmia	1	Cholera infantum	5
Abscess of liver	1	Concussion of brain	2
Asthma	1	Carcinoma	4
Apoplexy	5	“ (uterus)	1
Arterio sclerosis	12	“ (stomach)	8
Anuria	1	“ (bladder)	1
Anorexia nervosa	1	“ (tongue)	1
Appendicitis	4	“ (breast)	4
Anæmia	4	“ (liver)	1
Alcoholism (acute)	1	“ (colon)	1
Accidents	6	Convulsions	7
Atelectasis	1	Congestion of lungs	1
Blood poisoning	3	Cerebral hemorrhage	7
Bronchitis (acute)	4	Cerebro-spinal meningitis	1
“ (chronic)	1	Cardeo tascular renol	1
Bright's disease	3	Cerebral abscess	1
Cardiac paresis	1	Cappaloule (from birth)	1

CAUSES OF DEATHS.—*Continued.*

Dysentery	1	Myocarditis (senile)	1
Decline of age	19	Morbus caculim	1
Drowning	3	Meningitis	7
Diphtheria	4	" (tubercular)	1
Dropsy	4	Mitral disease	1
Dementia senile	1	Measles	1
Dilated heart	4	" (broncho pneumonia)	1
Diarrhœa	1	Neurasthemia	1
Diabetis	3	Non-closure of oremen	3
Epilepsy	1	Not known	2
Endocarditis (ulceratum)	1	Nephritis (chronic)	5
" (chronic)	3	Organic heart disease	3
Eclampsia puerpural	1	Operation (removal of prostrate) ..	1
Ectopia gestation	1	Otitis media (chronic)	1
Exposure	1	Perforation (intestinal)	1
Embolism	1	Pulmonary ordena	1
Fatty degeneration of heart	2	Peritonitis	3
Fractured skull	1	Paralysis agitans	1
" spine	1	Poisoned (cyanide of potassium) ..	1
Gall stones	1	Prematurity	1
Gastric enteritis	1	Pneumonia	78
Gangrene of lungs	2	" (broncho)	7
Goitre (cystic)	1	" (pleuro)	1
" (exoplithalime)	1	" (lobar)	1
Hydrocephalocle	1	" (tubereular)	1
Hemorrhage (stomach)	1	Pulmonary plutusis	1
" (internal)	1	Rickets	1
" (post partum)	1	Rheumatism	1
Humphegia	1	Senility	12
Heart failure	20	Senile gangrene	1
" (operation)	1	Sclerosis of spinal cord	1
Hæmoptysis	1	Shock, from burns	2
Hanging	1	Septicæmia	3
Intestinal la grippe	1	Sarcoma	3
" infection	2	Septic infectum	1
" obstruction	3	" ardritis	1
Indigestion	4	Strangulated hernia	1
Influenza	81	Typhoid fever	4
Inanition	11	Tuberculosis	11
Infectum cystitis	2	" (lungs)	6
Lymphatic lukæmia	1	" (stomach)	3
Leakage of heart	1	Ulcer of stomach	1
Marasmus	1	Uræmia poisoning	2
Malformation of births	1	Whooping cough	5
Myocarditis	8	Weakness	1
" (chronic)	1	Still births	35

CONTAGIOUS DISEASES.

Of reportable diseases there have been 286 cases. This, in comparison with 105 cases for the previous 12 months, seems like a big increase, but this was due in great measure, to the outbreak of measles during the summer, from which 182 cases were reported, there being two deaths.

COMMUNICABLE DISEASES REPORTED.

YEAR ENDING 31ST OCTOBER, 1918.	
Cerebro spinal meningitis	1
Diphtheria	44
Infantile paralysis	1
Measles	182
Scarlet fever	38
Smallpox	1
Typhoid fever	19
<hr/> Total	<hr/> 286

DEATHS FROM COMMUNICABLE DISEASES.

Cerebro spinal meningitis	1
Diphtheria	4
Infantile paralysis	0
Measles	2
Scarlet fever	0
Smallpox	0
Typhoid fever	4
<hr/> Total	<hr/> 11

In regard to typhoid fever there were only 19 cases with 4 deaths. In 2 cases the source of infection was well water; some others contracted it at a summer resort; a couple of cases were from outside the city; and the remainder were city cases.

- Diphtheria—44 cases, with 4 deaths.
- Measles—182 cases, 2 deaths, 1 due to pneumonia.
- Infantile paralysis—Very fortunate; 1 case and no deaths.
- Scarlet fever—38 cases, no deaths.
- Meningitis—1 case, 1 death.
- Smallpox—1 case, no deaths.

We find that there have been no cases of tuberculosis reported, but there have been some 20 deaths from it during the year. In October we were visited by the influenza epidemic, which has swept over the country with such disastrous results. It was impossible for us to ascertain the exact number of people affected, but a conservative estimate would be at least 35% of the total population, or about 10,000, with a death rate of 204. Brantford was hit particularly hard, but by the closing of schools, churches, and theatres, all public gatherings, and the establishing of an emergency hospital, where the worst cases could be segregated, and with the active co-operation of the public generally, the outbreak was brought under control.

One distressing and outstanding feature of the epidemic was the fact of its attacking so many of the younger people, in whom there was a very high mortality, the ages 21 to 40 being those in which the death rate was the highest, being about 50% of all the deaths from influenza. Although this report has to deal with matters up to October 31st only, we feel that we might briefly state a few statistics.

EPIDEMIC SPANISH INFLUENZA.

Returns of deaths 1st October, 1918, to 30th November, 1918.

Males	115	Females	91
		Total	206

AGES OF DECEASED.

Under 12 months	16	40 years to 44 years	9
“ 2 years	13	45 “ 49 “	5
“ 3 “	6	50 “ 54 “	5
“ 4 “	2	55 “ 59 “	3
“ 5 “	1	60 “ 69 “	4
5 years to 9 years	1	70 “ 79 “	2
10 “ 14 “	4	80 “ 89 “	2
15 “ 19 “	9	Ages unknown	2
20 “ 24 “	21	Total	206
25 “ 29 “	33		
30 “ 34 “	39		
35 “ 39 “	29		

CAUSES OF DEATH.

Spanish influenza	23
“ “ and pneumonia ...	121
Pneumonia	56
Broncho pneumonia	6
Total	206
Number of non-city cases unknown.	
50% of deaths 20 to 40 years of age.	

CASES, EMERGENCY HOSPITAL.

Admissions	259
Discharges	169
Deaths	80
In hospital	10
Death rate	30.9

BRANTFORD GENERAL HOSPITAL.
INFLUENZA CASES.

Admission	59
Discharges	47
Deaths	12
Death rate approximately 20%.	

The difference in death rate at the two hospitals was due to the fact that a great many of the worst cases in the city were sent to the Emergency. Some on admission were in a dying condition.

In connection with the Emergency Hospital great credit is due those who undertook it and worked so well to equip and organize it and bring it up to its present condition. Also Miss McNeill, the superintendent, who gave herself unhesitatingly to the work; to Mr. K. V. Bunnell and Ald. Kelly; Mr. Hutching, secretary of the G.W.V.A.; Mrs. Geo. Watt, and the nurses and orderlies who gave their lives, and all the other workers who at great personal sacrifice came forward to succor those affected with the disease. We would recommend that some official recognition from the City Council be paid to all those who have "done their bit" during the epidemic.

In conclusion, we would like to mention that our present condition as regards influenza is very good. We have only twelve cases in the Emergency Hospital and none at Brantford General Hospital, and throughout the city there are a few isolated cases, but we may safely say that the epidemic has subsided. However, in order to avoid a recurrence such as they are now having in the city of Hamilton, it behooves every citizen to be careful and particularly to refrain from going to or receiving visitors from those places where the disease is still prevalent.

Respectfully submitted,

NORMAN W. BRAGG.

M.H.O.

CHATHAM, ONT.

Dr. J. W. S. McCullough, Chief Officer of Health, Toronto, Ont.

I herewith submit my annual report on public health matters for the year 1918 as follows. As regards contagious diseases the following have been reported to me since 1st of December, 1917:—

Scarlet Fever—Three cases with no deaths.

Measles—We had almost an epidemic. Two hundred and six reported and quarantined for the regulation period or until well. There were three deaths due to pneumonia complications.

Chickenpox—Thirty-three reported, and am sure there were other cases; no deaths.

Smallpox—We had eleven cases, with no fatalities. One of these cases was from a neighbouring municipality, sent in to one of our hospitals as an appendix case, and was operated on when the rash was well out on the face and hands and body before it was diagnosed. After diagnosis was made the patient was removed to the Isolation Hospital, with a trained nurse in charge, but not before many of the nurses had been exposed and who were not vaccinated at the time. The nurse who had charge of the case before diagnosis was made was taken down with smallpox just fourteen days after exposure and developed a moderately severe type. By this mistake in diagnosis here was one of our two hospitals shut out from serving the public for the full quarantine period of fourteen days. The above case proved a great incentive to all nurses to protect themselves through vaccination. Not one of the eleven cases had been previously successfully vaccinated. After a general proclamation for vaccination had been issued by the mayor and city council, upon the request of the local Board of Health, there were over 3,000 persons vaccinated with splendid results from the use of provincial vaccine. Many were vaccinated by the puncture method when the reaction was not as severe or as prolonged nor produced as sore arms as by the old scarrification method.

Whooping-cough—Only four cases, three being in one family; no deaths.

Diphtheria—Twenty-three cases, with two fatal cases; one of these was complicated with measles. Splendid results are being obtained from the antitoxin sent out by the Department in combatting this dread disease.

Tuberculosis—Only one case reported, though there have been four deaths from it during the year. It seems almost a crime that it is necessary for general hospitals to admit this class of cases upon application, else their Government grant may be withheld. It matters not in what stage of the disease the applicant may be in at the time. Would it not be possible for the Provincial Board of Health to make such representations to our Legislative Assembly, that they would give relief by changing the Health Act?

Typhoid Fever—One hundred and sixty-two cases from the city, with sixteen deaths; while sixty-three outside patients were treated in our hospitals, with eight deaths. The first case developed on July 23rd, and by the end of August 131 in the city had developed; the remaining thirty-one cases appeared as follows: Twenty-six in September, two in October, and three in November. The last reported to-day where contaminated well water was being used altogether. I believe most of our cases can be traced to the use of well water which is contaminated. Last March and April the city water became very turbid, and looked almost repulsive even to bathe in let alone drink it. This

turbidity was likely due to the strong thick ice on the river from whence the water is taken, with the strong current of water tearing up the bed of the river during the spring freshet. This condition of water turned many to seek water from wells that had not been used for years. Samples of water were sent to the department from thirty-four wells. Of these twenty-seven were intensely contaminated and were closed by the M.O.H. after a resolution by the local board. The week previous to the typhoid outbreak there were some hundreds of cases of gastro enteritis, lasting for from twenty-four hours to a week. In some cases there was a recurrence of the diarrhoea after an interval of quietude of the bowels. In most of these cases a good dose of oil was all that was needed to clear them up. Not many of these cases developed typhoid. Whether this was caused by typhoid bacillus or by some of the infernal food substitutes that were distributed in this district and used in making bread, much of which was unfit for food, and for relief the local Board and M.O.H. appealed to the food controller to investigate. An inspector was sent up, when the food conditions soon improved. During the epidemic the Provincial Board of Health gave great assistance in the persons of Drs. McNally, Bell, and Mr. Dallyn, provincial sanitary engineer, in detecting the cause and giving advice as to the management of so serious an outbreak. Many samples of water, milk, and ice-cream were collected and sent away for a bacterial analysis, as well as blood tests made from every person in the city handling either milk or ice-cream. Splendid work was done by every local physician in using precautions to stamp out and control its spread, while the staffs of the two hospitals did almost superhuman service for many weeks with no cases among themselves, having been previously protected through vaccine. The local board, after consulting with Dr. McNally, made arrangements with one of the local physicians to inoculate all citizens presenting themselves at the expense of the city. By this means about 1,400 persons additional were immunized, besides the large number who went to their own family doctor for the inoculations. The water furnished by the commissioners through the city mains has been more or less turbid all summer, though of good quality otherwise and quite safe for domestic purposes. However, public opinion was aroused on the water question, so that the commissioners were compelled to act in the matter of giving the citizens better water if possible, and that at the very earliest moment. They have obtained advice and counsel from some of the foremost water experts on the continent, and are moving in the right direction. The appointment of an analyst to make daily tests of the water will go a long way in restoring public confidence in the purity of water furnished the public. This, with other extensive changes in the purifying process, will be made as soon as possible. The city water is good now, and has been for most of the year, outside the turbidity.

Spanish influenza, or flu, immediately following the typhoid, proved to be quite serious. Cases reported 1,500; possibly 2,200 or 2,300. Quite a number were complicated with pneumonia of a lobular type, with a great tendency to unusual bloody sputum, accompanied by great prostration. There were many fatal cases among the strong, healthy adults between the ages of 18 and 35 years, and among the pregnant women. This latter class were seldom sick more than two or three days. Considerable prophylactic vaccine was used, with seemingly good results, few being attacked that had been inoculated.

A decided step in advance has been made by the School Board in the appointment of a school nurse, a long-felt need. Good results should be the outcome of this action of the School Board.

Just now the citizens of Chatham have an opportunity of getting rid of one of the greatest menaces to public health, particularly after an epidemic of typhoid fever, in using their influence with the members of the city council to have them pass a by-law compelling the installation of inside closets in all parts of the city dwellings, etc., where proper water and sewer facilities are to be had, and thus get rid of outside closets. Few citizens probably are aware that it was necessary to have over 1,300 of these outside closets cleaned during the year. This, with our common enemy the fly, supply the link for an epidemic for another year or succession of years. The immediate doing away with these is the first and greatest preventative measure at our command. The age in which we live demands this to be done.

All of which is respectfully submitted.

T. L. McRITCHIE,
M.O.H.,

CHATHAM, ONT., November 30th, 1918.

SANITARY INSPECTOR'S REPORT FOR THE YEAR ENDING NOVEMBER 30TH, 1918.

GENTLEMEN.—I beg to report as follows: There were 280 cases of contagious diseases reported to the M.O.H. to be placarded, and most of them were disinfected before being released from quarantine. The Public Library was disinfected; all the public schools.

Collegiate Institute, the News Building, St. Joseph's School, and the Business College; also all the factories, a number of times, more particularly in regard to toilet accommodations; a number of changes recommended in this respect in some factories have been made. Now the system seems to be much improved and working most satisfactorily.

Seven different houses were placarded as being unfit for human habitation. Most of these places have been thoroughly overhauled, and modern conveniences installed, making them very comfortable dwellings. The different farmers' premises, and cows that supply milk to the city milk vendors, were inspected, and found considerable improvement in their manner of caring for both their stock and milk. Inspected and had closed 1,323 outside closets; also examined all the cellars on King street and other business places; found most of them kept in better condition than in former years. Inspected slaughter houses and butcher shops frequently, and found them all in good condition. Some were in excellent shape. The laundries were each inspected every week during the year, which I wish to report O.K. Reported to the city garbage men 104 dead animals on the streets, and they were promptly removed. Seven horses were ordered to be put off duty until found in fit condition again, and ordered one to be killed. Kept in touch with all cafes, and insisted upon "swat the fly," with excellent results. The manure box nuisance has been much lessened owing to the more extensive use of motor-trucks, while those still in existence are more particular about how they are kept. Condemned a carload of hogs for being overloaded, and had them reloaded and made comfortable; also two different lots of poultry, there being too many in a crate. Additional crates were ordered, and the overcrowded condition was relieved.

Gathered 104 samples of milk for testing purposes, and assisted the M.O.H. in making the tests. Shipped 150 samples of water for analysis by the Provincial Board of Health. The samples were obtained from many different taps and wells about the city. The lanes about the city are being kept in fairly good condition, as are the alleyways also.

Since the typhoid fever broke out I have been calling on each doctor personally for their reports on new cases weekly at the request of the M.O.H.

What with typhoid and influenza I have had a very busy year.

DAVID HOLMES,
Sanitary Inspector.

FORT WILLIAM.

FORT WILLIAM, ONT., November 1st, 1918.

To the Chairman and Members, Board of Health, Fort William, Ont.

GENTLEMEN,—In accordance with the provisions of the Ontario Public Health Act I beg to submit herewith my annual report for the year ending October 31st, 1918.

VITAL STATISTICS.

Estimated population	20,560
Death rate per thousand population (excluding still-births)	10.55
This rate includes all deaths reported in the municipality whether residents or not.	
Birth rate per thousand population (excluding still-births)	36.91
Infant mortality rate per thousand births	108.03
The death rate is 2.25 lower than last year.	
The birth rate is 4.31 lower than last year.	
The infant mortality rate is 25.39 lower than last year.	

This showing with regard to infant mortality is very encouraging. A few years ago there were three great problems here, viz., typhoid, infant mortality and tuberculosis. The first is conquered. We have not had a death in two years; the second is coming down; but I am sorry to say we have made little or no impression on the last.

Venereal diseases became reportable in July. From that month till the end of our year there were reported: Syphilis, 29 cases; gonorrhœa, 48 cases; and chancroid, 1 case.

On account of the persistent epidemic of scarlet fever, and in the last month of the year the "flu," it was found necessary to re-fit the annex of the isolation hospital in May to accommodate scarlet fever cases.

Thirty-four persons were summoned to court during the year for the following causes:—

Breaking quarantine	6
Failing to report a communicable disease	7
Breach of milk by-law	6
Failure to abate nuisances	14
Selling milk without license	1

The following products and supplies from the Provincial Board of Health were distributed:—

Diphtheria antitoxin	764,000 units
Tetanus antitoxin	18,000 "
Meningitis serum	3,000 "
Pertussis serum	410 C. C.
Typhoid vaccine	12 doses
Smallpox vaccine	120 tubes
Silver nitrate solution	25 "
Wasserman tubes	25
Culture tubes	39

MEASLES.

There were twelve cases of measles reported, with no deaths. Statistics follow:—

Year.	Cases Reported.	Deaths.
1914	279	1
1915	8	0
1916	581	7
1917	338	3
1918	12	0

WHOOPIING COUGH.

There were two hundred and fifty-nine cases of whooping cough reported, with three deaths.

Year.	Cases Reported.	Deaths.
1914	0	1
1915	33	2
1916	196	17
1917	10	1
1918	259	3

ERYSIPELAS.

There were four cases of this disease reported with no deaths. Statistics for the last five years follow:—

Year.	Cases Reported.	Deaths.
1914	11	4
1915	5	0
1916	6	1
1917	13	1
1918	4	0

CHICKENPOX.

Year.	Cases Reported.	Deaths.
1915	3	0
1916	13	0
1917	97	0
1918	75	0

RUBELLA.

Year.	Cases Reported.	Deaths.
1917	181	0
1918	25	0

MUMPS.

Year.	Cases Reported.	Deaths.
1915	3	0
1916	16	0
1917	90	0
1918	92	0

PULMONARY TUBERCULOSIS.

There were fifteen cases reported, including six from out of town and nine deaths, two of which were non-residents.

Year.	Cases Reported.	Deaths.
1914	17	11
1915	28	23
1916	19	18
1917	15	12
1918	15	9

SMALLPOX.

There were no cases of this disease reported. Statistics for the last five years follow:--

Year.	Cases Reported.	Deaths.
1914	0	0
1915	8	0
1916	3	0
1917	2	0
1918	0	0

SCARLET FEVER.

There were three hundred and thirteen cases of scarlet fever reported. There were three deaths, one being that of a non-resident.

Year.	Cases Reported.	Deaths.
1914	110	2
1915	18	0
1916	4	0
1917	110	3
1918	313	3

Below appears the statistics by month, age, sex, recovery and death.

Month.	Cases.	M.	F.	Under 5 yrs.	5-9 years.	10-14 years.	15-19 years.	Over 19 years.	Re- covery.	Death.
1917										
Nov.	26	14	12	9	13	3	.....	1	26	.....
Dec.	28	18	10	9	9	5	.....	5	28	.....
1918										
Jan.	15	10	5	6	6	1	.....	1	15	.....
Feb.	31	12	19	6	12	5	.....	7	31	1
Mar.	15	9	6	5	7	.....	3	.....	15	.....
April	23	10	13	8	12	3	.....	.....	23	.....
May	47	21	26	21	18	2	3	3	46	1
June	35	17	18	12	16	4	2	1	35	.....
July	25	10	15	13	8	2	1	1	25	.....
Aug	13	7	6	3	6	2	1	1	13	.....
Sept.	26	14	12	11	7	4	3	1	26	.....
Oct.	29	12	17	9	10	8	1	1	28	1
Total..	313	154	159	112	124	39	18	20	311	3

Out of
town.

DIPHTHERIA.

There were twelve cases of this disease reported. There were two deaths.

Year.	Cases Reported.	Deaths.
1914	24	2
1915	25	2
1916	33	5
1917	13	1
1918	12	2

TYPHOID FEVER.

There were five cases of typhoid fever reported, four of which were people who had been in town but a few days from other cities. There were no deaths.

Year.	Cases Reported.	Deaths.
1914	33	5
1915	23	7
1916	18	2
1917	11	0
1918	5	0

A general resumé of the communicable diseases reported follows:—

Disease.	Cases Reported.	Deaths.
Measles	12	0
Rubella	25	0
Mumps	92	0
Scarlet fever	313	3
Whooping cough	259	3
Chickenpox	75	0
Erysipelas	4	0
Typhoid fever	5	0
Smallpox	0	0
Diphtheria	12	2
Tuberculosis	15	9
Poliomyelitis	1	0
Cerebro-spinal meningitis	1	0
	814	17

ISOLATION HOSPITAL REPORT.

Patients admitted.....		166
Scarlet fever	163	
Diphtheria	3	
	166	166
Hospital days		6,236

ACCOUNTS.

Salaries	\$2,324 77
Maintenance account	1,350 08
Total	\$3,624 85
Credits: Collection of accounts	1,166 00
	\$2,458 85
Cost per patient per day	58.1 cents
There was spent also \$625.30 on capital account.	

MEDICAL RELIEF.

The following is the report of medical relief work for the year:—

Month.	Visits. Made.	Office Consultations.
1917—November	8	4
December	2	1
1918—January	6	0
February	2	0
March	6	2
April	2	1
May	3	1
June	"	1
July	1	1
August	4	1
September	7	1
October	2	0
	—	—
	43	13

LABORATORY REPORT.

The following examinations were made:—

Milk samples from dairymen for dirt and butter fat	175
Samples from householders	42
Samples of breast milk	15
Samples of cream	21
Swabs for diphtheria	43
Smears for gonococci	6
Sputa for T. B.	25
Blood to Toronto for typhoid	2
Sundry examinations	8

A detailed report of this work follows:—

Dealer.	Number of Tests.	Fat Average.	Clean.	Soiled.	Dirty.
F. Scollie	7	3.38	3	1	3
J. A. Kellough	35	3.07	24	7	4
D. R. Thompson	21	3.26	13	5	3
Jas. Otway	21	3.52	20	1	.....
City Dairy	21	3.01	16	4	1
Ed. Otway	19	3.24	9	6	4
H. Crabtree	16	3.41	14	2	.....
B. Webster	14	3.30	11	2	1
F. McCarthy	21	3.22	17	3	1

Of the one hundred and seventy-five samples examined, one hundred and twenty-seven were clean, thirty-one soiled, and seventeen were dirty. The fat average is 3.15, a very poor showing. There are but two dealers who sell what I call real good milk, viz.: Jas. Otway and Henry Crabtree.

REPORT OF VISITING HEALTH NURSE.

Dr. E. B. Oliver, Medical Officer of Health, Fort William, Ont.

DEAR SIR.—I beg to submit herewith my report of the work done during the months of April to September:

Month.	Number of Visits.	New Babies Visited.	Breast Fed	Mod. Milk.	Cons. Milk.	Patent Foods.	Miscellaneous.
April	139	139	104	13	2	8	12
May	53	24	21	3	.....	.....	.....
June	380	32	26	6	.....	.....	.....
July	463	51	40	6	2	.....	3
August	335	.....	.....	.....	.....	.....	.....
September	228	69	52	7	.....	10	.....
	1,538	315	243	35	4	18	15

The total number of visits made was one thousand five hundred and thirty-eight.

In addition to this, I made a number of visits relative to communicable diseases, mostly scarlet fever. Also I made a number of school inspections, looking for possible cases of scarlet fever.

Respectfully submitted,

F. K. FISHER.

Visiting Health Nurse.

BIRTHS REGISTERED IN THE CITY OF FORT WILLIAM.

For the year ending October 31st, 1918.

Month.	Males.	Females.	Total.	Twins.	Triplets.
1917					
November	27	30	57	.....	.....
December	21	25	46	.....	.....
1918					
January	26	36	62	.....	.....
February	32	41	73	.....	.....
March	27	41	68	.....	.....
April	41	29	70	1	.....
May	39	32	71	2	.....
June	43	45	88	2	.....
July	23	38	61	.....	.....
August	37	23	60	.....	.....
September	25	31	56	3	.....
October	23	24	37	2	.....
	364	395	759	10	.....

STILL BIRTHS

Month.	Males.	Females.	Total.
1917			
November			
December	1		1
1918			
January		2	2
February			
March			
April	3		3
May	1	3	4
June		1	1
July	2	2	4
August	1	1	2
September	1	2	3
October	3		3
	11	11	22

REPORT OF SANITARY INSPECTOR.

Dr. E. B. Oliver, Medical Officer of Health, Fort William, Ont.

DEAR SIR,—I beg to submit herewith my annual report for the year ending October 31st, 1918.

NUISANCES.

During the year the city has been systematically inspected for the abatement of nuisances. The privy situation has been the greatest evil with which I have had to deal. The financial situation has again prevented any work being done in regard to their conversion into water closets. The bulk of the work lies in the coal docks district, and I have made a house to house inspection. The condition of many of these places was in many instances deplorable.

Notices have been served upon all the owners to repair or renew the privies, and in most instances the work has been done. I hope to have the whole of the privies in the city put into a sanitary condition before next summer.

The manure disposal has been fairly satisfactory, although some receptacles are showing signs of wear and tear, especially those built in a flimsy manner. There is no improvement in the storage of garbage and rubbish before collection; this state of things is not only a nuisance but an eyesore. In my opinion, no system of dealing with this matter will be found satisfactory until the city authorities themselves provide the receptacles and charge the cost to the owners.

Nuisances from the keeping of hogs has become more acute than ever. The recommendation of the Food Controller to raise hogs in the city has resulted in hundreds of them being housed at the rear of dwellings and within the limits allowed. The keeping of cows is almost as big a nuisance. Serving notice to remove these animals is of no use, and in my opinion the matter should be dealt with on broader lines. I would suggest that no hogs or cows be allowed to be stabled within the line of the C. N. P. main line and Empire Avenue (except that licensed dairymen be permitted to carry on their usual business). A more drastic enforcement of the building by-laws with regard to the erection of back buildings would do much to prevent the nuisance.

I have on many occasions called attention to the unsanitary condition existing in the coal docks section, arising from the open ditches both in the lanes and streets into which the sewage is discharged from the houses. The conditions are worse in the spring and fall of the year when the ditches overflow and many lots and the ground under the houses are flooded with a mixture of storm water and sewage. These conditions are nothing short of disgraceful, and improvement seems as far away as ever. The effect upon the health of the people, especially of infants, is shown in the mortality statistics.

Thirteen prosecutions were instituted during the year for neglect in the abatement of nuisances. Three thousand five hundred and sixty-six (3,566) inspections were made.

Six hundred and fifteen (615) written notices were served for the abatement of nuisances.

SEWER CONNECTIONS.

During the year forty-two sewer connections have been installed, one by notice and forty-one by request.

DAIRIES AND COWBARNs.

The dairies and cowbarns have been kept under constant supervision. Conditions on the whole have been good. The dairymen are slowly but surely improving their barns and plants. In the coming year I expect to see most of the barns, if not all, fitted with iron stanchions and other improvements.

The cost of feeding stuffs is seriously affecting the supply of milk, and if there is no reduction I am afraid the milk supply will be somewhat inadequate.

There are now only eight licensed dairymen. Two of these receive their supplies wholly from the farmers. The disposal of the manure from the barns has somewhat improved and no serious nuisance is now complained of.

There were collected 179 samples of milk for testing purposes.

Two prosecutions were instituted, one for low standard of butter fat and one for selling milk without a license. Six hundred and twenty-eight inspections were made during the year.

The illicit sale of milk has been considerably reduced during the year. The number of cows kept by the foreign population is not as large as it was a few years ago. This is probably due to the increased cost of feed.

RESTAURANTS, STORES AND FOOD SUPPLIES.

All the stores dealing in food have been regularly inspected and have been kept in a cleanly manner. Apart from meat, only five gallons of mixed pickles have been condemned during the year.

I have weighed bread frequently and have found same of standard weight. The restaurants have been kept in good order and the number increased by one. Several applications have been received but refused on account of insufficient sanitary arrangements.

Seven hundred and twenty-three (723) inspections were made.

INFECTIOUS DISEASES.

Owing to the prevalence of whooping cough and influenza, a great deal of time was occupied in placarding. Nine hundred and fourteen (914) visits were made.

SUMMARY.

Date.	Butchers.	Dairies.	Bakeries.	Candy Stores, Cafes.	Nuisances.	Communi- cable Diseases.	Total.	Milk.	Nuisances and Notices.
1917									
November....	56	53	14	26	354	.....	503	23	1
December....	93	68	36	54	165	19	435	10	.....
1918									
January.....	86	65	22	42	136	47	398	5	3
February....	116	73	25	36	122	75	447	10	5
March.....	125	68	29	42	143	72	479	15	7
April.....	115	63	15	56	356	24	629	18	8
May.....	72	47	20	43	430	73	685	22	116
June.....	84	36	18	42	365	47	592	13	158
July.....	83	43	12	78	343	15	574	11	59
August.....	95	36	16	29	326	10	512	24	68
September...	92	54	6	32	310	6	500	16	53
October.....	94	22	4	26	135	526	807	12	90
Total....	1,111	628	217	506	3,185	914	6,561	179	568

ABATTOIR AND BUTCHER STORES.

During the year the abattoir has been in constant operation. Owing to the exposed position of the water supply, we are every winter put to considerable expense in thawing out. Expenses this year are the same as last within a few cents. Had it not been that the power plant had to be renewed, they would have been considerably less.

The year has been a very satisfactory one from a financial standpoint. The receipts were one hundred and twenty-five dollars and thirty-eight cents (\$125.38) in excess of the expenses.

The working of the plant is amply justified from the fact that considerably more than one thousand animals are slaughtered annually compared to a very few before the board undertook the management. Moreover, the danger from the sale of diseased and unwholesome meat is practically eliminated.

The butcher stores have been inspected from time to time and are fairly well kept. Three additional stores have been opened.

The following meats were condemned and destroyed: 120 pounds of sausages; 1,150 pounds of beef.

SUMMARY OF WORK DONE AT ABATTOIR.

Date.	Cattle	Calves.	Hogs.	Sheep.	Total.	Revenue.	Expenses.	Inspections.
						\$ c.	\$ c.	
1917								
November	58	30	8	.....	96	72 25	53 80	56
December	80	61	6	.....	147	118 00	60 90	93
1918								
January	44	37	14	.....	95	60 25	107 19	86
February	57	34	2	.....	93	66 50	71 75	116
March	35	25	5	.....	65	43 75	55 50	125
April	36	46	9	.....	91	52 00	50 45	115
May	53	37	13	.....	103	68 75	53 10	72
June	53	77	11	1	122	58 00	48 75	84
July	59	32	8	6	105	71 80	60 15	83
August	76	28	19	12	135	95 60	47 00	95
September	74	33	1	43	151	93 50	47 85	92
October	98	49	14	.....	161	117 25	62 80	94
Utilities							63 03	.....
	703	489	110	62	1,364	.....	782 27	1,111
							125 38	
						907 65	907 65	

CAUSES OF MORTALITY.

Infants Under One Year.

Number on International List.		Number on International List.	
151	Congenital debility	26	76 Diseases of the ears
104	Diarrhœa and enteritis	19	71 Convulsions of infants
92	Lobar pneumonia	11	53 Leukemia
91	Broncho pneumonia	6	167 Burns
10	Influenza	4	186 Other external causes
152	Other diseases of early infancy..	2	109 Hernia, etc.
8	Whooping cough	2	189 Ill-defined
89	Acute bronchitis	2	
150	Congenital malformations	1	Total
87	Diseases of the larynx	1	82

DEATHS.

Number on International List.		Number on International List.			
151	Congenital debility	26	108	Appendicitis	2
92	Lobar pneumonia	23	109	Hernia, etc.	2
104	Diarrhœa and enteritis	19	152	Other diseases of early infancy ..	2
10	Influenza	17	185	Fractures	2
79	Organic diseases of the heart ..	13	186	Other external causes	2
91	Broncho pneumonia	9	39	Cancer of the buccal cavity	1
28	Tuberculosis of the lungs	9	37	Syphilis	1
189	Ill-defined	8	41	Cancer of the peritoneum	1
81	Diseases of the arteries	5	46	Other tumors	1
96	Asthma	4	54	Anemia	1
61	Meningitis	4	71	Convulsions of infants	1
154	Senility	4	74	Other diseases of the nervous system	1
167	Burns	4	76	Diseases of the ears	1
175	Traumatism by other crushing..	4	78	Acute endocarditis	1
7	Scarlet fever	3	80	Angina pectoris	1
8	Whooping cough	3	90	Chronic bronchitis	1
40	Cancer of the stomach	3	102	Ulcer of the stomach	1
120	Bright's disease	3	87	Diseases of the larynx	1
138	Puerperal albuminuria	3	103	Other diseases of the stomach...	1
165	Other acute poisonings	3	113	Cirrhosis of the liver	1
169	Accidental drowning	3	119	Acute nephritis	1
9	Diphtheria	2	131	Cysts, etc.	1
20	Septicemia	2	134	Puerperal hemorrhage	1
43	Cancer of the breast	2	147	Diseases of the joints	1
45	Cancer of other unspecified organs	2	150	Congenital malformations	1
53	Leukemia	2	174	Traumatism by machines	1
64	Cerebral hemorrhage	2	181	Electricity	1
89	Acute bronchitis	2			

GENERAL EXPENSES.

Salaries	\$7,178 44
Maintenance of Isolation Hospital	1,350 08
Livery and carfare	89 50
Printing and stationery	225 44
Office and laboratory equipment	90
Antitoxin	29 35
Automobile	518 14
Conventions	100 00
Ambulance	13 00
Incidentals	184 12
Abattoir	782 27
	\$10,471 84

CREDITS.

Revenue from abattoir	\$907 65
Isolation Hospital accounts	1,166 00
Police Court fines	519 00
Milk licenses	14 75
	\$2,607 40
Total net cost of department	\$7,864 44
Total per capita cost	\$8.25 cents

Respectfully submitted.

EDW. B. OLIVER,

Medical Officer of Health.

GALT.

To the Chairman and Members of the Local Board of Health.

GENTLEMEN.—In accordance with the provisions of the Ontario Public Health Act, I beg herewith to submit my annual report for the year ending the 31st day of October, 1918.

The remarkable feature of this report is the total absence of typhoid fever within our municipality, due, no doubt, to the excellency of the water supplied to the citizens, to the careful supervision of the milk, and other minor sources of contamination.

Last year we found some difficulty in keeping the milk supply up to the standard of the city's by-law regarding butter-fat, but this year, I am pleased to be able to inform you, there has been a decided improvement, and that the milk vendors, in my opinion, are using their best endeavours to supply the citizens with clean, wholesome and nutritious milk. Yet notwithstanding the great endeavours of the milk vendors to supply us with good milk, I am still strongly convinced that the milk supply will never be satisfactory until we have a central station where all the milk will be first delivered, tested and pasteurized before being delivered to the citizens for consumption. This is, I believe, the only way you can detect from whence comes the unclean and poor milk. Milk, next to water, is the biggest problem we have to contend with in carrying disease. Furthermore, Bovine Tubercle, which attacks the young under sixteen, can only be destroyed by pasteurization or boiling.

Last year we had trouble in keeping the privies clean and in a sanitary condition, owing to the fact that the boxes were poorly constructed, the large number of pits, and the very unsatisfactory way of collecting the fee. However, all these difficulties have practically been overcome by having the boxes improved, the pits closed, and by the great assistance rendered by the City Council in passing a by-law making the landlords primarily responsible for the keeping of them clean and charging the costs of so doing against the various properties.

Regarding tuberculosis, I regret to be compelled to again inform you that the local medical gentlemen have not as yet complied with the regulation laid down by the Provincial Board of Health with regard to reporting cases of tuberculosis, which regulations say that whenever a legally qualified practitioner knows that any person whom he is called upon to visit is affected with tuberculosis, he shall, within twelve hours, give notice thereof, on the prescribed form, to the Medical Officer of Health of the municipality in which such diseased person resides.

During the year we have had some severe epidemics of measles, chickenpox, diphtheria, whooping cough and influenza. A detail of the cases will be given below.

I desire to call the attention of the physicians and the public generally to the fact that, under the Act, it is as compulsory to report whooping cough to the Medical Officer of health as any other contagious disease, but it is not necessary to placard the house. This, in my opinion, is a mistake which should be remedied as soon as possible if it is the desire of the Health Authorities that the Medical Officer of Health should have supervision of whooping cough. Before leaving this subject it might not be inappropriate to draw attention to the fact that in the month of August in the Province of Ontario the death rate was as follows:

Scarlet fever	10	per 1,000
Diphtheria	6	" 1,000
Measles	17	" 1,000
Whooping cough	48	" 1,000

From the above statistics it will be seen that while we pay strict attention to the placarding of the first three we pay no attention whatever to whooping cough, where the death rate was very much greater during that month.

Re SPANISH INFLUENZA.

We are now passing through the throes of the severest and most deadly epidemic that this city, or, in fact, the continent of America, has ever known, and from a close observation of the cases that came under my notice I am convinced that the death rate has been greatly increased by the following facts:

1st.—By living in overcrowded and poorly ventilated premises.

2nd.—By being overworked and poorly nourished on account of the high cost of the essentials of life.

These facts, together with the fear of catching cold if by any means the blinds should be drawn and the windows opened so as to let in a current of fresh air and God's sunlight, are largely responsible. It is astonishing to me to see so many people who

are the happy possessors of parlours and guest-rooms who will not permit even the sun to enter these sacred precincts for fear the sunlight should fade the carpet, and the air never permitted to enter except when they are expecting a guest. All I have to say is, preserve me from being the guest in such cases.

RE VENEREAL DISEASES.

Since the Act went into force on July 1st of this year I have had sixteen cases under my supervision and I am satisfied that these are not more than fifty per cent. of the number suffering from venereal diseases in our city. The Act gives the Medical Officer of Health power to order any person, male or female, whom he believes, or has occasion to believe, is suffering from venereal disease, to present himself or herself before a legally qualified medical practitioner for examination and procure from him a certificate as to whether or not he or she is suffering from any venereal disease, and if so, what form.

It requires a good deal of courage on the part of the Medical Officer of Health to go as far as this Act provides in ordering one of his fellow citizens to present himself or herself for examination, and while these increased duties and responsibilities fall to the lot of the Medical Officer of Health, there seems to be no special provision made in the Act for remunerating him for these increased duties.

VITAL STATISTICS.

Deaths	207
Death rate per 1,000	16.60
Population	12,558
Births	268
Birth rate per 1,000	21.50
Infant mortality	33.
Infant mortality per 1,000	2.64

CONTAGIOUS DISEASES.

	Reported.	Deaths.
Typhoid fever	0	0
Chicken pox	20	0
Smallpox	0	0
Tuberculosis	3	3
Poliomyelitis	0	0
Scarlet fever	8	0
Diphtheria	25	3
Measles	455	1
Mumps	10	0
Erysipelas	0	0
Scabies	20	0
Whooping cough (Not reported)		0
Influenza (Not reported)		51

In conclusion, I feel that it might not be amiss to draw the attention of the Board and the public generally to the value of preventive medicine. Public health and prevention of disease have engrossed the attention of the medical profession for a very long time, but it has not been until recently that the doctors have received any help or co-operation in their work for humanity from the public, and it will require a great deal of philanthropy and organized work, united with the doctors, before any benefit will be felt by the general public in preventing and alleviating disease. You have all heard the old adage: "An ounce of prevention is worth a pound of cure," and that is true to-day in every sense of the word.

Respectfully submitted.

J. H. RADFORD,
M.O.H.

J. H. Radford, M.D., Medical Officer of Health, Galt, Ontario.

DEAR SIR,—Herewith find annual report and certified causes of death registered with me for the year ending October 31st, 1918, as follows:

Bright's disease	2	Abscess of liver	1
Cellulites	1	Acute indigestion	1
Gastric ulcers	1	Enlarged liver	2
Otitis olders	1	Railway accident	1
Still-born	6	Heart lesion	2
Congestion of liver	1	Inflammation of the brain	1
Septic meningitis	1	Double pneumonia	1
Injury at birth	1	Pyæmia	1
Apoplexy	10	Exophthalmic goitre	1
Peritonitis	2	Gastro-enteritis	1
Chronic bronchitis	1	Glandular tuberculosis	1
Acute phthisis	1	Splenic anæmia	1
Mitral incompetence	1	Locomotor ataxia	1
Myocarditis	5	Premature birth	6
Old age	11	Gangrene	1
Arterio-sclerosis	4	Senile decay	1
Cystitis	1	General debility	1
Sarcoma	1	Endocarditis	1
Valvular heart disease	3	Tumour of spleen	1
Uræmia	1	Cellulitis of brain	1
Pneumonia	21	Heart disease	1
Heart failure	2	Tabes mesentericæ	1
Cancer	6	Mitral regurgitation	1
Hepatic abscess	1	Pernicious anæmia	1
Paralysis	7	Septicæmia	2
Hemiplegia	1	Internal hæmorrhage	1
Appendicitis	1	Diphtheria	3
Nephritis	3	Cholera infantum	1
Injury	3	Fibrous phthisis	1
Burns	1	Spina bifida	1
Broncho-pneumonia	4	Diabetes	1
Tuberculosis	1	Myocardial degeneration	1
Acute jaundice	2	Influenza	41
Psoas abscess	1	Pulmonary tuberculosis	1
Carcinoma	4	Inanition	1
Epilepsy	1	Malnutrition	1
Diabetes mellitus	2	Organic heart disease	1
Gastritis	3		
Fibroma (uterus)	1		207

Certified.

JOSEPH McCARTNEY,

Division Registrar.

GALT, ONT., December 9th, 1918.

To the Members of the Galt Board of Health.

GENTLEMEN.—The Chairman of the Local Board of Health, reviewing the work of the passing year, respectfully submits the following report:

The extensive report of our Medical Officer of Health has placed before you a detailed account of the year's work done by the Board of Health during 1918. It is a matter of deep regret to the Chairman and to every member of the Board that the past year has been the most distressing since the smallpox outbreak some years past. It is a coincidence that the present Swiss Cottage became a necessity at that time. The experience of the past few months has clearly demonstrated the necessity of an up-to-date isolation hospital to adequately take care of those unfortunately the victims of contagious diseases.

The ordinary health of the city is vastly due to the care which has been exercised toward securing a supply of pure water and unadulterated milk. The absence of typhoid fever is an evidence of improvement along these lines.

I wish to congratulate the Board on the progressive attitude which has been taken in all matters safeguarding the public health. The Board should continue to take the lead it has taken toward instructing in every possible way as to the advantages of

right living and right thinking, and sending out a word of advice in season that all may better understand the laws of healthful life.

There are some improvements needed in the matter of City Sanitary Conveniences. A resolution was passed by this Board directing the City Council to make a careful study of this important subject, and I trust our efforts will be successful next year.

The matter of disinfecting schools is a subject of vital interest. The City spends annually thousands of dollars on education, but is rather shrewd in its expenditure in the interest of public health. Health is the first consideration, and I hope to see the schools and public places disinfected regularly. The experience of the past few months has taught us that eternal vigilance is the price of health: that prevention is better than cure: and this leads me to congratulate the School Board in having secured the services of such a competent school nurse, who is continually on the alert and who understands the signals that indicate poor health. While we do not wish to usurp the work of the School Board, I think it advisable to have the school nurse placed under the supervision of the Board of Health, as her work is solely in the interest of public health.

The rule adopted by the Board of Health *re* sewer connection is working satisfactorily. The citizens are realizing the advantages of sewer connection and are making applications for sanitary conveniences. You may be asked to consider the advisability of appointing a qualified meat inspector who would see that all meat sold for human consumption would comply with the Government requirements. The Board held an important discussion relating to the inspection of dairy farms, and while no action was taken, it seems to be the opinion that some one duly qualified and of impartial mind should be appointed to undertake this important work.

The increasing duties of the Medical Officer of Health are worthy of your consideration. The position of the Medical Officer of Health is a very responsible one, and in order to discharge these duties faithfully a considerable amount of time is required altogether out of proportion to the remuneration he receives.

The Chairman of this Board wishes to thank the citizens' Willing Workers League and all others who, with such sacrifice, volunteered their assistance during the recent epidemic of influenza.

In conclusion, allow me to convey to you my appreciation of your valued co-operation and consideration extended to me during the year of 1918.

Yours very respectfully,

FRANK BLAIR,

Chairman of the Local Board of Health.

KINGSTON.

GENTLEMEN.—My annual report deals with subjects with which you have become very familiar in the past few years, but there is still room for much work along the lines indicated before we shall have reached conditions that are entirely satisfactory.

With the exception of typhoid fever and influenza, the toll taken by infectious diseases during the past year has not been unusually heavy. Until we attain the state in which infectious disease can be prevented or destroyed immediately after it has attacked the individual, we will, in spite of all other efforts directed against it, be subject to a certain loss of life. Last year the loss was not above the average. The influenza epidemic, while severe and very fatal in character in those who developed pneumonia, did not claim a greater number of victims here than it did anywhere else. The problem was a comparatively new one. In previous years, ever since the great epidemic of 1889-1890, we have become familiar with influenza or *la grippe* through yearly visitations, but the epidemic of 1918 confronted us with a new problem of dealing with a mixed infection, the pneumonic phase of which accounted for the high mortality. The city is greatly indebted to the medical students and the bands of volunteer workers who unselfishly threw themselves into the work of relief. The service they rendered can never be estimated in dollars and cents. As soon as the epidemic was well under way the local branch of the Provincial laboratory prepared a vaccine which was distributed free to all physicians asking for it. It was used freely in Kingston, with what ultimate beneficial effect we do not as yet know. The New York research laboratories announce that they have under preparation a serum which will act either as a preventative or curative agent.

Early in August it became apparent that a typhoid epidemic had again broken out. A diligent search for the cause revealed the fact that most of the cases were on the

route of an ice-cream dealer, and immediately all ice-cream offered for sale was subjected to laboratory tests. These, while failing to absolutely confirm the circumstantial evidence, brought out the fact most clearly that ice-cream made from pasteurized milk was infinitely superior from the bacteriological point of view to ice-cream made from raw milk. This indirectly brings up the whole question of milk supply. We insist on the producer keeping only healthy cattle in his herd and on reasonable cleanliness in attention to cattle, byres, containers, etc., but in spite of this it is possible for milk in transit to the consumer to be infected in various ways. This can only be overcome by pasteurization, and this can best be done by a civic plant, as otherwise a few progressive dealers will carry out the process, and others will not, or if forced to do so, will do it in a haphazard way. Some eighteen years ago an effort to supply Kingston with a pasteurized milk supply was attempted by a company of citizens who certainly had the right idea. For some reason the scheme failed to work out, and the building designed for the purpose is now leased to the Government for other purposes, but in spite of the failure of that effort the idea was right, as has been proved by the experience of larger centres, and we should plan for the time in the near future when such a scheme shall be successfully carried out under civic control.

While the typhoid epidemic last year was apparently due to infected ice-cream, we must not lose sight of the fact that this was only the immediate cause, and that the water supply is after all the great source of typhoid infection through sewage pollution. These questions, water supply and sewage disposal, are perennial, and are annually becoming more insistent, and a solution of these problems must be found. For one community to adopt an expensive system of sewage disposal while a neighbouring community failed to adopt any precautionary measures and continued to pollute the common water supply would be most unwise, but if we cannot ensure the purity of supply at its source, we can by chlorination, combined with filtration, ensure its purity at the distributing point. To some extent we have attempted this by chlorination, and I am informed by the Utilities Committee that a more up-to-date and reliable method of water chlorination has been ordered for Kingston. This became imperative through the failure of the old plant to adequately care for our water supply after the installation of the new electric pump, but at best this is a half measure and should only be regarded as a makeshift.

With the termination of the war and the return of the men at the front and the era of big business looked forward to by this country the housing problem promises to become acute. There are many dwellings in Kingston that are not sanitary or fit for human habitation according to modern ideas. The difficulty in the past has been that there are no places available for the tenants should these unhealthy places be closed, and so the Board has had to content itself with trying to get reasonable improvement made in such places, but if the health of the community as a whole is to be lifted up to a higher plane, it will be necessary to prevent people inhabiting dwellings that are unsanitary. Of course the problem is a mixed one, and until some people are taught to realize the advantages of personal hygiene, placing them in sanitary surroundings instead of improving them, will soon bring about a depreciation in the sanitary value of the dwellings. Fortunately such people are becoming fewer in number, and it would be worth while to try the educative value of sanitary surroundings in helping these people to realize the value of proper sanitation.

The city incinerator continues to do its work well, and it is hardly necessary at this time to point out its advantages. It has become a necessity in the community, and even if the expense was much greater than it now is the service rendered would be worthy of the expenditure.

During the past year the school nurse, Miss McCallum, who has been most efficient in the performance of her duties, resigned to take up other work. The School Board, impressed by the character of her work, resolved without controversy to continue the system, and on behalf of the Board of Health I must congratulate them on their decision, as there is no doubt whatever that the work of a competent school nurse is of the greatest value in the early detection and isolation of infectious diseases, apart altogether from its value in numerous other ways in the improvement of the health of the community.

Respectfully submitted.

A. R. B. WILLIAMSON,

Medical Health Officer.

KITCHENER.

KITCHENER, ONT., Nov. 29th, 1918.

To the Mayor, Chairman and Members of the Board of Health, Kitchener.

GENTLEMEN,—I beg to submit to you the annual health report for the city of Kitchener for the year ending Nov. 29th, 1918.

Up to the time of the Spanish influenza outbreak, the health of the city was good.

There were 341 deaths registered during the year. Thirty-four of these deaths were registered as prematurely born infants.

It is impossible to get a correct estimate of the number of cases of influenza. It caused 127 deaths; 40 cases were admitted to the Isolation Hospital; 13 died, all from pneumonia.

From reports to physicians the epidemic is over in this city.

The diphtheria report is the best we have had for years. Six cases of diphtheria and no deaths.

Two cases of scarlet fever. No deaths. One case of scarlet fever treated at the Isolation Hospital.

There were eleven deaths from tubercular affections, five less than in 1917.

Sixteen deaths from cancer, five more than in 1917.

One death registered from typhoid and one from typho-pneumonia.

There were several cases of mumps and whooping cough. No deaths.

Provincial laboratory water reports up to October were good. Superintendent Hymmen assures me that no water has been taken from Shoemaker's Lake since October 23rd.

Sanitary Inspector Buchhaupt states that the incinerator will be in full working order on December 2nd and that a first-class service may be looked for.

The milk tests during the year have been satisfactory. Owing to the Sanitary Inspector and M.O.H. having contracted influenza, there were no milk tests made in October and November.

Respectfully submitted,

JOHN MCGILLAWEE,

Medical Officer of Health.

LONDON.

LONDON, ONT., December 1st, 1918.

The Chairman and Members of the Board of Health.

GENTLEMEN,—I beg to report that the Board of Health held thirty-five meetings in 1918. The attendance of the members was as follows:

Controller Saunders	5 meetings.
The late Mr. Hale	1 meeting.
E. H. Russell	27 meetings.
Dr. Hill	5 "
His Worship the Mayor	24 "
Ald. Drake	2 "
Mr. Johnston	11 "
Mr. Douglas	27 "
Dr. Downham	25 "

The estimates of the Board provided for an expenditure of \$9,855. It is expected that with the exception of the expenses of the influenza epidemic the Board is well within its limit.

The sewerage system for Chelsea Green District and the lands along the river bank were considered by the Board, but, on account of war conditions, no action was taken.

Eight reports were submitted to the Board respecting the city water supply. In one or two cases colon bacilli were reported. The Board, thereupon, urged the protection of the ponds at Springbank from possible surface water contamination and the securing of a chlorination plant for emergency use. The Commission has been reported to have secured chlorination facilities.

The condition of the street cars was given consideration. During the prevalence of the epidemic, the cars were not crowded, and were satisfactorily disinfected.

The public and separate schools were inspected by the sanitary inspectors.

As a temporary war measure, the Board granted fifty-five permits to keep hogs in the city, and instructed Inspector Dr. Tamlin to satisfy himself that the regulations of the Board with respect thereto were strictly observed.

Miss Friend, who has been appointed public health nurse by this Board, was permitted to render assistance in the Child Welfare movement.

The usual practice of appointing a number of special back-yard inspectors in the spring was discontinued and Mr. Scott appointed a full-time assistant inspector.

Only a few complaints respecting unsanitary conditions were presented to the Board. The monthly reports of the inspectors were indicative of efficient inspection and of very much improved conditions in London. The epidemic, however, showed need for more vigorous action by the Board with respect to house sanitation.

The milk supply, as evidenced by Dr. Tamlin's report, is of good quality. The condition of a number of dairies, however, is not satisfactory. The Board is convinced that the veterinary inspector is getting results.

Dump conditions show improvement.

The reports submitted monthly by the M.O.H. enable the Board to secure reliable information and give full statements as to all activities under the control of the Board. The secretary furnishes each member of the Board with a copy of the minutes, which includes all reports and communications considered by the Board.

The sanitary sewers considered by the Board were the Egerton Street, Grand Ave., Kenneth Ave. and Wellington Rd. In neither case was it possible for the Board to afford immediate relief. The M.O.H. compelled ratepayers to connect with the sanitary sewers and discontinue outside closets.

The resignation of Dr. Hill was followed by the appointment of Dr. Downham.

The Board is considering the question of the control of all health officials and activities by the Board, and the use of volunteer organizations in conjunction with the Board—the co-ordination and co-operation of all health activities.

The influenza epidemic received the full consideration of the Board. Very indefinite information was securable as to the number of cases. The Board acted upon what they believed to be common sense principles and received magnificent support from the S.O.S. ladies. The number of deaths was 231. The cost to the municipality was not more than \$4,300. The minutes of the Board are in sufficient detail to be of service to any succeeding Board wishing to avail themselves of the experience of this Board.

All of which is respectfully submitted.

S. BAKER,
Secretary.

LONDON, ONT., December 10th, 1918.

GENTLEMEN.—Pursuant to the provisions of the Public Health Act, I beg to submit a report of the work of the Board of Health for the city of London for the year 1918.

The Board has had a very unusual number of changes in its personnel during the year. Controller Saunders was elected chairman at the first meeting, and proved himself a most capable and useful member of the Board. Early in the year the decease of Mr. Jeffrey Hale removed a most valued member. The vacancy was filled by the appointment of Alderman Drake. An Act of the Provincial Legislature prohibited a member of the Council from acting on the Board of Health, and Controller Saunders and Alderman Drake resigned from this Board. Messrs. H. M. Douglas and E. H. Johnston succeeded them. I was elected chairman by the new Board. Dr. Hill, Medical Officer of Health, resigned to take up work in the United States. The resignation of Dr. Hill was a very great loss to the city and district.

Dr. Hill was the best posted and best known leader in sanitary science in Ontario. He has done splendid work for London. His assistant, Dr. Downham, has been appointed to fill the vacancy, and should make a capable official.

The city water supply is ample and of excellent quality. Possibly, however, the use of the water for other purposes than domestic may prove too great.

The Board of Health has, from time to time, requested the Utilities Commission to further protect the ponds at Springbank from surface water contamination, and to provide a chlorination plant for emergency use. No action has been taken in the first request, but I understand a chlorination plant has been secured. The occasional presence of typhoid germs (colon bacilli) point to contamination, and the Board should order compliance with its request.

A recommendation was made to the City Council that some action be taken in reference to the river, including Hunt's mill dam, and also the re-erection of the Springbank dam.

An inspection of the school buildings was made by the Sanitary Inspector and M.O.H. The result of the inspection shows that the schools are in a sanitary condition.

As a war measure, persons were permitted to keep hogs in the city, subject to inspection and regulations of the Veterinary Inspector. About fifty-five persons were granted permits. The rules of the Board with respect thereto are: "Swine shall not be kept within the limits of the municipality except with the consent, in writing, and subject to regulations of the Board of Health of the city of London, and then only in

pens with floors kept free from standing water and regularly cleansed and disinfected, and distant at least one hundred feet from any dwelling house, school house or church, and from any public highway, street or lane." No further permits are being issued and others gradually lapse.

The Board this year discontinued the appointment of special Sanitary Inspectors for back-yard inspection in the spring, and appointed an Assistant Sanitary Inspector, Mr. Scott. The work is now being looked after during the whole year. The few complaints made to the Board, and the general condition of the city, prove that the action of the Board was wise. The influenza epidemic demanded attention that could not have been given by one inspector.

The work of Veterinary Inspector Tamlin has been very satisfactory. The milk supply is above the average. The condition of dairies generally is improving. A continual watchful inspection is made. There, however, is still room for improvement.

The appointment of Miss Friend as public health nurse promises to be a most helpful public health service. In the treatment of the influenza epidemic, Miss Friend gave splendid help. The influenza epidemic was most serious. The Board met every day. It is almost impossible to tell the number of cases, but the number of deaths registered were 231.

The main facts were:

First appearance—September 22nd.

October 5th—Meeting of Board of Health and Drs. McCallum and Tillmann. Dr. McCallum says the epidemic lasts about four weeks.

October 14th—Meeting of Board and city physicians. Closing order to theatres, pool rooms, schools, dance halls.

October 17th—Definitely closing churches and forbidding public funerals.

October 18th—Crest of epidemic about reached.

October 19th—Order opening drug stores.

October 23rd—Ministerial Alliance permit. Advt. Westminster Tp. opens churches, schools, November 4th, 1918.

October 24th—Victory Loan to proceed; Ministerial Alliance *re* opening churches.

October 26th—Informal discussion *re* same.

Upon motion it is decided:

(1) To permit churches to be opened on Sunday, Nov. 3rd.

(2) To permit theatres to be opened on Monday, Nov. 4th.

(3) To permit schools to be opened on Monday, Nov. 11th.

(4) To permit Sunday Schools to be opened on Sunday, Nov. 10th.

The expense to the city was about \$4,300.

The assistance rendered by the S.O.S. proved most valuable. The school kitchens provided food for nurses and patients. Mesdames McKillop and Thomson and a host of ladies were most indefatigable. The debt of gratitude of the Board of Health cannot be adequately expressed.

The Board was so impressed with the co-operation of the several organizations of the city that arrangements are made for a discussion at its next meeting of the question of a permanent Board for the continuance of the system. A full report is presented in Minute No. 157 of their work.

The staff of the Health Department at the close of the year is as follows, viz.:

(1) M.O.H., Dr. Downham.

(2) The staff of the Hygienic Institute.

(3) Miss Friend, Public Health Nurse.

(4) Sanitary Inspector, James Lutman.

(5) Assistant Sanitary Inspector, J. W. Scott.

(6) Miss Baron, Tuberculosis Nurse.

(7) Dr. Tamlin, Veterinary Inspector.

The appointment of Miss Friend and Inspector Scott inaugurate new departments. It seems to me that the nurses in the employ of the Board of Education and any other department of the city's activity should be under the control of the Board.

I am satisfied that if a system is put into operation, directed by the Public Health nurse, under the M.O.H., by which all the present nursing service is directed from a central point (City Hall), the city will be practically covered, without adding to the number of nurses now employed. Much time and energy will be saved; the special aspect of conditions in the homes, of which the nurses will have knowledge, will be available for those organizations that specialize in such work; the nurses, having a larger and more varied field of work, will find it more interesting and become more efficient, and the needs of a growing city more adequately cared for.

I would like also to express my thanks to His Worship the Mayor and members of the Board for their uniform kindness and consideration to myself during the year; also to the M.O.H., Dr. Downham, Secretary Baker, and the staff, for their promptness and cheerfulness in carrying out a large amount of added work during a crisis such as the

city never had at any previous time, the magnitude of which we do not yet realize; to Mr. Slack and the Health Institute for much work done outside its regular operations, to the great benefit of the city, and to Miss Fidler, of that staff, who was the pivotal point on which so much depended.

All of which is respectfully submitted.

E. H. RUSSELL,

Chairman.

REPORT OF THE M.O.H. FOR 1918.

The year 1918, from a public health standpoint, has been a very irregular one for London. Early in the year the city was visited with an epidemic of measles. This naturally demanded a great deal of work and attention. Unfortunately, at this period of the year there was no doctor employed, under Dr. Hill, to spend his whole time inspecting, quarantining and isolating such cases. A number of practising physicians were employed to devote as much time as possible to this work, and they worked faithfully at it, but they could devote only irregular hours. There was some overlapping and some uncertainty as to when certain calls could be made. As a result, some cases were a week or more late in being quarantined. This condition naturally tended to increase the number of cases, since a number of people will not isolate themselves or children unless compelled to do so.

About this time, also, there were changes in the members of the Board of Health, the chairman and one member resigning. However, two new members were soon appointed, and everything was working well, when suddenly we were informed that the M.O.H., Dr. Hill, had received a tempting offer from Minnesota, and was about to resign, which he did in June. This was a serious blow to health matters in general in London, since Dr. Hill was a capable officer and much interested in his work and understood it well.

After Dr. Hill's term of office expired, I endeavoured to carry on the work as best I could. Fortunately, about this time of the year, the number of cases of communicable disease is usually comparatively low in number.

Early in the autumn, however, we began to hear rumors of cases of influenza occurring in the large eastern cities of the United States, and it was only a few weeks until the disease showed itself in this city. The number of cases rapidly increased, and it was not long until all the doctors and nurses had more work than they could attend to. About this time it was arranged that nurses, trained and practical, could register at the Institute of Public Health for the convenience of physicians needing such help. This arrangement was scarcely under operation when Mrs. J. B. McKillop received a wire from Mr. McPherson, Provincial Secretary, asking her to form a branch of the Women's Volunteer Emergency Auxiliary. This was quickly and ably done by Mrs. McKillop on October 17th, and everything was soon in readiness for the registration of Sisters of Service. This organization had its headquarters at the Institute of Public Health, where Miss J. Fidler, Statistician, was placed in charge of registration of nurses, and Miss B. Friend, practical nurses, and directed all nurses as to where they should be employed. Nursing aid was sent on advice of physicians or after inspection by the Board of Health. Nursing aid was supplied, in this way, for eleven hundred and fifty nursing days; sheets, bedding, pneumonia jackets, old linen, clothes etc., supplied mostly by the Red Cross, through Mrs. C. R. Somerville, but also by private citizens and firms, were sent out from the office at the Institute of Public Health. In so far as possible, day and night nurses were relieved in the morning and evening, which assured the nurse of certain hours of rest. Nurses were driven from place to place by volunteer automobiles and by those supplied by the Board of Health. Nurses reported to the office by 'phone day and night. Several medical students and other young men volunteered their services, and were a great help in difficult cases.

Two hundred and twenty families, with an average of three patients each, were provided with nurses, of which there were ninety-four who registered. Seventeen women registered who gave assistance in homes as housekeepers where the mother was ill or exhausted.

The work of supplying nourishment for the stricken families and lunches for nurses was undertaken at once by the Women's Volunteer Emergency Auxiliary, and two diet kitchens established, one at the Alexandra School, under Miss Craig, dietician, and one at the Collegiate Institute, under Miss McPherson, dietician.

During the epidemic 187 civilians died. Of these, 67% were persons from twenty to fifty years of age.

The diet kitchen remained in operation for twenty-four hours, during which time twenty-two hundred baskets of food for patients and sixteen hundred lunches for nurses were prepared and sent out.

The distribution of the food was only made possible by the generous way in which the citizens made use of their motors, under the able direction of Mrs. Allan McLean.

An emergency hospital was opened at the Latter Day Saints Church, the use of the building being offered by the pastor, Mr. Gray. No. 4 Division, St. John Ambulance, cared for a number of patients at their quarters.

During the past few months I have been making observations on the different diseases that regularly come under the Board of Health, and I wish to say a few words regarding nasal diphtheria. For the past few months at least twenty-five per cent. of our cases have been purely nasal, no membrane showing in the throat, and very frequently such cases are diagnosed, especially by parents, as cold in the head. Patients with this variety are usually not very sick, but while they have this so-called cold in the head some other member of the family becomes seriously ill with diphtheria, and the health officer notified. As soon as possible I visited the home to arrange the quarantine and inspect the other members of the family, and very frequently I find usually a child, with a blood streaked mucous discharge from the nose. The culture, under these circumstances, has always proved positive for diphtheria with me. Every case of nasal diphtheria coming under my notice has given the disease to at least one other person. This cannot be said about diphtheria in the throat, because the case is soon isolated and the trouble usually ends. I would consider nasal diphtheria far more dangerous from the standpoint of infecting others than diphtheria of the throat. With me, a bloody mucous discharge from the nose has always given a positive culture, but in such cases the patient does not appear to be very ill.

A case of scarlet fever which was somewhat out of the ordinary came under our notice during the summer. A girl, eight years of age, showed a patch rash on body and limbs. The patches varied in size, from a ten cent piece to a foot in diameter. These patches had a considerable amount of natural coloured skin between them. They had the colour and appearance of a scarlet fever rash, and, in due time, each patch desquamated freely, while other parts of skin did not desquamate. The patient had some sore throat and a strawberry tongue, also other early signs of scarlet fever.

Early in the summer we observed a peculiarity in mumps that had not come under our notice before. Quite a percentage of these cases had more or less nose bleeding, and most of them gave a history of not having had nose bleed before. One girl, twelve years old, had several severe hemorrhages.

Chickenpox occurred in a woman seventy-eight years of age.

The Board of Health work in London has always received a great deal of valuable help in many ways from the Institute of Public Health. Their department of vital statistics receives notification of cases of communicable diseases, and keeps all our records in good order. They make many examinations of throat swabs, sputums, etc., and also regular examinations of the city water. They also test samples of milk.

Attached is a statement of the number of diseases for the year.

I remain,

Your obedient servant,

W. S. DOWNHAM.

Medical Officer of Health.

NUMBER OF CASES OF AND DEATHS FROM INFECTIOUS DISEASES IN THE CITY OF LONDON, CIVILIANS ONLY, FOR THE YEAR ENDING NOV. 30TH, 1918.

Disease	1918												Total														
	Dec.		Jan.		Feb.		Mar.		April		May			June		July		Aug.		Sept.		Oct.		Nov.			
	Ca.	D.	Ca.	D.	Ca.	D.	Ca.	D.	Ca.	D.	Ca.	D.		Ca.	D.	Ca.	D.	Ca.	D.	Ca.	D.	Ca.	D.	Ca.	D.		
Chickempox.....	25	0	68	0	47	0	26	0	33	0	61	0	49	0	19	0	4	0	3	0	37	0	11	0	382	0	
Diphtheria.....	23	4	25	3	12	1	13	3	10	1	8	3	8	0	24	1	9	1	7	1	24	3	12	2	175	23	
Measles.....	384	0	468	1	280	2	74	0	16	0	22	0	2	0	6	0	0	0	0	0	0	0	0	0	1252	3	
Mumps.....	0	0	2	0	4	0	38	0	19	0	15	0	12	0	2	0	7	0	3	0	6	0	1	0	109	0	
Scarlet Fever.....	8	0	6	1	7	0	17	0	11	1	14	0	14	0	12	0	10	1	19	0	23	0	5	0	146	3	
Smallpox.....	0	0	0	0	0	0	0	0	1	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	
Typhoid Fever.....	0	0	0	0	0	0	0	0	0	0	2	0	5	0	3	0	2	0	1	1	0	0	0	0	13	1	
Whooping Cough.....	8	0	5	0	9	0	18	0	9	0	12	0	25	0	35	1	26	0	12	0	1	0	0	0	159	4	
German Measles.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	4	0	
Anterior Poliomyelitis.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cerebro Spinal Meningitis.....	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	1	
Tuberculosis.....	7	4	10	2	11	3	9	8	18	6	21	6	20	4	10	1	8	2	6	4	4	4	3	1	127	45	
Gonorrhœa.....																										49	0
Syphilis.....																										25	0
Total.....	455	8	585	7	371	7	195	11	117	8	167	9	135	4	114	3	83	4	89	6	114	7	33	3	32458	77	

There were seven cases of nasal diphtheria since July 1st, 1918.

ANNUAL REPORT OF SANITARY INSPECTORS FOR 1918.

LONDON January 10th 1919.

GENTLEMEN,—During the year there were 161 orders issued for sewer connections. Out of that number 140 have been completed to our satisfaction.

All toilets of the factories and larger places of business in the city have been inspected. We found all the larger places in good sanitary condition, but some of the smaller places were not sanitary and were ordered to have toilets cleaned, which has been done.

We visited the London Fertilizer Plant several times during the year. The place has changed hands, and is being remodelled, which will make a vast improvement. There has not been many complaints in regard to the plant during the past few months.

All butcher and fish shops have been inspected twice a month during the summer and once a month during the winter. All have been kept in fairly good condition throughout the year.

All bakeries, restaurants, laundries and creameries have been inspected once a month during the year. They were always in fairly good condition at the time of inspections.

The city in general is in a fairly good sanitary condition.

Respectfully,

JAMES LUTMAN,
J. W. SCOTT.

LONDON, ONT., Jan. 11th, 1919.

GENTLEMEN,—I herewith submit a report of the number of visits made by me from Jan. 1st, 1918, to Dec. 31st, 1918, as follows:

Lavatories	226	Stables	298
Laundries	320	Fruit shops	65
Restaurants	382	Fish shops	52
Butchers	393	Junk shops	56
Bakeries	173	Dumps	45
Barbers	194	Miscellaneous	911
			3,115

Yours respectfully,

JAMES LUTMAN,
Inspector.

NIAGARA FALLS.

The Medical Health Officer of Niagara Falls begs herewith to submit his report for the year 1918.

During the autumn of 1918 we had a severe epidemic of influenza, which was prevalent all over the world. In our city we had 3,000 cases, and a death rate of 70, or 2.33 1-3 %. Our General Hospital was not large enough to take care of all the serious cases, and the Board of Health took charge of the basement of Jepson Street Baptist Church, wherein they placed all the serious cases. The board was very handicapped for nurses, having to secure any one who would help, and trained them for the work.

Our milk supply has been adequate and of a superior quality. The city has two pasteurizing plants, each controlled by private capital. These plants are inspected frequently.

Although the city has not built an incinerator, the garbage question came up early in the year. We have provided a place for it until an incinerator is built. The garbage is thoroughly covered by cinders and ashes each day, and we cannot find the least trace of smell.

Our water supply has not been up to the mark during the heavy frost and cold in the winter, but we are now connecting up with the Hydro Power Co., and are assured of a plentiful supply. Since excavation has taken place at the mouth of the Chippawa Creek for development purposes, I have doubled the percentage of chlorine in the water, consequently we have no cases of typhoid in our city.

In the spring I was able to have the City Council pass a by-law to tie up all dogs for six months of the year, beginning 1st May and lasting until 31st October. This proved a godsend to everyone concerned, except perhaps the dog owner.

We also granted a few licenses to allow the people to keep one or two pigs, at a certain distance (60 feet) from any residence, this license to expire at the end of the year granted.

During four days in December, 9th, 10th, 11th and 12th, the city sent me as a delegate to the Public Health Association, held in Chicago, principally for the purpose of studying the influenza situation.

I thank the city and the Board for their hearty co-operation in our efforts to keep a clean city.

H. LOGAN, M.O.H.

OTTAWA.

OTTAWA, December 31st, 1918.

GENTLEMEN,—In the absence of Dr. T. A. Lomer, Medical Officer of Health, I herewith present report of the Health Department for the year ending 31st October, 1918.

RE INFLUENZA.

The most outstanding feature of the year was the epidemic of influenza, with its terrible and widespread levy of illness and death, and which but for the splendid way our citizens co-operated to combat this visitation it would have been infinitely worse.

From the commencement, in the latter days of September, the cases developed rapidly, the greater mortality occurring in mid-October, declining rapidly toward the end of that month. During this time 520 deaths were registered from influenza and pneumonia, thus converting an otherwise excellent mortality record into the heaviest for many years.

Drastic steps were taken by the Board to meet the situation, warnings and instructions to the public being issued through the press and circulars distributed by the Boy Scouts. All public gatherings were prohibited, and the hours shortened in mercantile and office work.

The aid of the public was enlisted, and too great praise cannot be given for the wonderful response to the Mayor's appeal to succor the stricken ones. Large relief committees were organized, with headquarters at the City Hall, through whom medical attention, nursing and all requisites were provided for the care of the sick. But for the splendid work done here, in many cases whole families must have gone untended and the suffering and death list have been terribly increased.

The general hospitals, though augmenting their accommodation to the utmost, were inadequate to meet the demands for hospital care.

The May Court Club, Misericordia Hospital and Day Nursery came to the rescue and cared for a large number of patients.

Through the courtesy of the University of Ottawa and the Public School Board we were enabled to open two large emergency hospitals, thus completing a hospital formation adequate to give the requisite care to those in need of it.

Thanks are also due to Queen's University, Kingston, V.A.D., the Militia Department, and other departments of the civil service by whom medical men, nurses and hospital equipment was provided, and to the personnel of the different civic services who were on duty at all hours to assist us.

Charts are appended showing the mortality record, and also the age incidence of those dying, showing the heaviest toll among those at the period of greatest usefulness in life.

The experience gained by many during the epidemic, showing conditions under which our poorer brethren live, must create a greater public interest looking to a betterment of living conditions for everyone. This means sanitary dwellings, but more important still, sanitary dwellers.

Legislation has been passed this year to aid those who wish to help themselves toward the acquisition of a proper home by financial aid on easy terms.

To teach people to dwell sanitary in the home is a matter for education by the press, the schools, and through the advice of the tactful visiting by a district nurse. The co-ordinating of our various public health nursing activities, with an adequate increase to meet the needs, is one of the matters which should receive the early attention of the Board.

The closing of the schools during the epidemic of influenza, which many authorities contended would be not only unnecessary but undesirable from a public health standpoint when proper medical inspection is provided, gives further grounds for the utility of such a provision; the need for which the rejection for physical unfitness of so many by the medical examiners for the army had already emphasized.

Our soldiers have shown us Canadians how to die. It is up to the health authorities to show the people how to live.

TUBERCULOSIS.

Tuberculosis shows better reporting of cases by those in charge of them, there being 185 as compared with 103 last year. There is also a regrettable increase in the deaths, there being 149 as compared with 126. To this doubtless many factors have contributed, not the least being the high cost of the commodities essential to life. Meagre means and tuberculosis are close associates.

While the continued presence of tuberculosis is attributable to many causes, the most potent of all is the protracted presence in the homes of cases in the advanced stages, and although the Royal Ottawa Sanatorium has done splendid work in caring for these with a decided diminution in death rate, it is certainly inadequate to meet the needs, and our Board should support the committee in charge of it in their efforts to secure increased accommodation for patients—the need for which is absolutely urgent.

DIPHTHERIA.

Thirty-four deaths were reported as due to diphtheria. The great majority of these should be more properly attributed to delay on the part of parents in securing treatment and in view of the repeated warnings to the public of the importance of securing prompt medical advice in all cases of sore throat and croup. Those who have read and unheeded these warnings merit condemnation as well as commiseration in their needless bereavement.

SCARLET FEVER.

We were visited by an epidemic of mild scarlet fever,—the mildness of a large number of cases greatly increased the difficulties of its control,—many cases not being recognized in the early stages. A total of 592 cases was reported with 7 deaths, a mortality of a little over 1 per cent. as compared with the severe epidemic in the winter of 1914, when the death rate was 10 per cent.

SMALLPOX.

During the year 15 cases occurred. While some were moderately severe there were no deaths. The contrast in the virulence of the two epidemics of scarlet fever is analogous to that found in smallpox, though since the scourge in Montreal, smallpox in this part of the country has been on the whole mild, some day it may appear in malignant form with dire results to those who have neglected vaccination.

TYPHOID FEVER.

Typhoid fever, save for cases coming from outside, has been practically absent. There were six deaths during the year, all but one from outside sources. This is gratifying evidence of the success in attending the care of our water supply.

REGISTRATION OF BIRTHS AND CHILD WELFARE.

The registration of births shows a gratifying increase, there being a total of 3,016 registered—1,650 of them being registered during the last half year following upon the action taken by the Deputy Registrar-General, at the suggestion of our Board, to ensure better observance of the requirements *re* prompt registration of births by physicians. It is reasonable to assume that had as full returns been made during the first half of the year our registration would have totalled 3,300. The early registration of births gives opportunity for our nurses to get in touch with the mothers early and thereby enhance their efforts toward the saving of child life.

The severity of the past winter coupled with scarcity of fuel and the intense heat of the past summer, and the ravages of the influenza have been the main factors contributing to the increased mortality of children under one year as compared with last year, which showed the smallest mortality for years—a total of 398 as compared with 497 this year. Of these 47 were children coming from outside the city, leaving 450 deaths of city children. This, based on an estimated birth list of 3,300, would leave us with an infant mortality rate of 136 per thousand births.

DEATHS FROM TUBERCULOSIS BY WARDS FOR 1918.

Ward.	Pulmonary.	Other Forms.	Total.
Rideau	8	2	10
Ottawa	24	3	27
By	18	2	20
St. George's	16	3	19
Central	8	4	12
Wellington	12	2	14
Dalhousie	16	5	21
Victoria	10	1	11
Capital	13	2	15
Outside Cases	4	5	9
Totals	129	29	158

DEATHS FOR 1918 BY WARDS.

Wards.	Popula- tion.	1917.					1918.					Total.		
		Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.		Sept.	Oct.
Rideau	3,635	5	7	3	5	4	6	4	5	7	4	9	20	79
Ottawa	9,953	7	17	20	15	23	22	18	20	29	18	20	94	363
By	8,212	12	12	15	12	14	19	19	13	16	14	13	54	213
St. George's	13,757	10	17	15	8	18	15	22	11	12	15	15	53	211
Central	12,911	8	10	15	12	13	9	12	11	13	13	20	55	191
Wellington	13,965	14	19	25	22	22	19	17	15	10	14	17	63	257
Dalhousie	19,145	22	28	28	28	33	36	23	21	21	36	31	117	424
Capital	15,496	13	12	19	12	12	19	19	19	5	22	14	58	224
Victoria	6,933	7	8	4	11	10	6	7	9	13	16	13	44	148
Outside .....	.....	6	17	13	18	23	15	28	24	31	21	24	93	315
Grand Totals	104,007	104	147	157	143	172	166	169	148	157	173	176	651	2,363

The death rate in Ottawa Ward is unduly augmented owing to the large institutions there, notably the one for aged people.

DEATHS BY NATIONALITY.

Austrians	11	Italians	12
Americans	30	Manxman	1
Assyrians	3	Newfoundlander	1
Canadians	2,046	Norwegian	1
Chinese	2	New Zealander	1
Danes	2	Parisians	4
English	98	Russians	11
Greeks	2	Scotch	45
Germans	8	Swiss	1
Irish	83	West Indian	1
Totals			2,363

Of the above 1,207 are males and 1,156 females.

DEATHS IN THE DIFFERENT INSTITUTIONS IN THE CITY FOR 1918.

Ottawa Maternity Hospital	30
Salvation Army Rescue Home	13
County Carleton Protestant General Hospital	121
Lady Grey Hospital	44
St. Luke's General Hospital	98
Water Street General Hospital	190
Misericordia Hospital	9
Misericordia Infants' Home	77
St. Patrick's Home	15
St. Charles' Home	44

DEATHS BY AGES ACCORDING TO MONTHS.

Age.	1917.					1918.							Total.
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
Under 6 months .	14	22	33	33	27	23	33	31	40	35	34	48	373
6 months to 1 year	1	2	6	5	11	9	5	6	15	30	18	16	124
1 to 2 years	6	6	6	7	5	9	11	3	8	13	5	29	102
2 to 5 "	6	7	7	1	5	8	5	4	3	2	4	39	91
5 to 10 "	3	2	3	3	2	5	5	2	4	4	6	24	63
10 to 15 "	3	1	1	1	1	4	5	3	2	2	9	25	56
15 to 20 "	2	3	5	5	6	4	2	4	1	3	5	44	84
20 to 25 "	4	4	10	4	8	4	5	6	7	5	7	76	140
25 to 30 "	3	2	3	2	3	10	8	8	6	1	6	112	164
30 to 35 "	6	4	4	9	2	11	3	5	6	9	6	74	139
35 to 40 "	4	7	5	7	6	2	7	3	7	3	7	29	87
40 to 45 "	5	7	5	4	7	14	3	3	5	5	5	24	85
45 to 50 "	3	3	4	5	4	6	2	5	5	5	1	9	52
50 to 55 "	1	9	5	4	6	6	3	6	4	5	9	18	76
55 to 60 "	15	3	9	9	11	3	9	8	4	4	5	14	94
60 to 65 "	2	9	6	3	9	7	12	2	4	4	7	10	75
65 to 70 "	4	7	9	6	10	7	4	4	6	6	10	9	82
70 to 75 "	7	8	9	5	13	7	14	9	7	7	9	10	105
75 to 80 "	4	11	15	12	6	5	8	8	5	7	6	8	95
80 to 90 "	5	14	7	11	14	7	12	11	7	6	7	9	110
90 up	1	.....	1	3	.....	1	1	.....	1	2	4	14	
Totals	92	132	152	136	159	151	157	132	144	157	168	631	2,211
Stillbirths	12	15	5	7	13	15	12	16	13	16	8	20	152
Grand Totals ..	104	147	157	143	172	166	169	148	157	173	176	651	2,363

Ward.	Population.	Total Death Rate per 1,000.	Deaths from Pulmonary Tuberculosis per 1,000.	Deaths under One Year per 1,000 Births.
Rideau	3,635	19.8	2.75	204
Ottawa	9,953	28.8	2.71	145
By	8,212	23.9	2.43	146
St. George's	13,757	14.04	1.37	139
Central	12,911	13.9	0.93	145
Wellington	13,965	16.9	1.0	149
Dalhousie	19,145	20.6	1.14	144
Capital	15,496	13.03	0.96	117
Victoria	6,923	19.48	1.70	148

VITAL STATISTICS FROM NOVEMBER 1ST, 1917, TO OCTOBER 31ST, 1918.

Disease.	1917.				1918.							Totals.	
	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	September.		October.
Typhoid fever		1					1		2	1	1	....	6
Scarlet fever		1		1	2	2				1	1	....	7
Whooping cough		1		2	1	1			1	2	1	4	12
Diphtheria	6	5	3	1	2	4	2	2	3	1	5	....	34
Influenza			2				1		1		2	200	206
Erysipelas						1	1					....	2
Chicken-pox									1			....	1
Septicæmia	2	1	1		2	1	3	3	1	1	1	....	16
Tetanus .....												....	1
Tuberculosis of the lungs ...	10	8	15	10	10	13	8	12	7	8	11	17	129
Acute miliary tuberculosis ..											1	1	2
Tuberculous meningitis				1			1	1	1		1	1	6
Hæmorrhage					1							....	1
Abdominal tuberculosis		1	2	1	2	1	2		1	1		1	12
Pott's disease	1											....	1
Tuberculosis of hip joint							1					....	1
Tuberculosis of the kidney					1							....	1
Disseminated tuberculosis												1	1
Tuberculosis of the spine				2			1					....	3
Ricketts		1	1	1			1	1			1	....	6
Syphilis	2	3	3	7			2	3		4	3	....	27
Cancer of buccal cavity	2			1	1			2			2	1	9
Cancer of stomach and liver ..	3	3		1	3	4	2	2	3	4	2	1	28
Cancer of the bladder				1								1	2
Cancer of peritonæum, intes-													
tines and rectum	4				3	1	1	2	1	1	1	2	16
Cancer of the uterus		1					1					....	2
Cancer of the breast	1		1						2	1		....	5
Cancer of the skin							1	1	1			....	3
Cancer of other or unspeci-													
fied organs		3	2				1	1	1		2	1	11
Cancer of œsophagus					1							....	1
Acute articular rheumatism ..	1	1	2		1	1			1			....	7
Diabetes		3	2	1	2	1	2			1	3	2	17
Exophthalmic goitre		1	1		1			1	1		1	1	7
Addison's disease					1		1					....	2
Leuchæmia			1									....	1
Pernicious anæmia		1	2	2	1	1	1	3		1	1	....	13
Pulmonary hæmorrhage									1			....	1
Purpura hæmorrhagica, etc. ...						1						....	1
Hæmothelia		1				1						....	2
Chronic or acute alcoholism ..		2										....	2
Meningitis				2	2	2						....	2
Cerebro-spinal fever or Epi-													
demie meningitis				2	2	2			2	1	1	....	10
Simple meningitis							1		1	1		....	3
Locomotor ataxia	1	1								1		....	3
Paralysis agitans									1	1		....	2
Primary lateral sclerosis of													
the spinal cord					2				1			....	3
Myelitis									1			....	1
Cerebral hæmorrhage, Apop-													
lexy	5	5	2	3	5	8	4		3	2	1	5	43
Cerebral embolus												1	1
Paralysis without specified													
cause	1	1	2									....	4
Other forms of mental alien-													
ation				1								....	1
Epilepsy			1							2		....	3

VITAL STATISTICS FROM NOVEMBER 1ST, 1917, TO OCTOBER 31ST, 1918,—*Con.*

Disease.	1917.		1918.										Totals.		
	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.			
Convulsions (non-puerperal)					1								1	1	2
Convulsions of infants			2		3	3	2	2	2		1	1			16
Chorea										1	1				2
Pericarditis						1					1				2
Acute endocarditis	2	1	1	2		1	2	2	1	1	1	1	1	1	15
Chronic Endocarditis		2	5	3	3	5	1	3	1	1	1	1	1	1	26
Myocarditis	1	7	6	3	4	3	9	5	4	5	6	6			59
Angina pectoris	4														4
Disease of the arteries					1										1
Aneurysm	1														1
Arterio-sclerosis	3	1	1			1	3	1	1		2	2			15
Hæmorrhagica, other diseases of the circulatory system	1	1													2
Disease of the larynx			1												1
Acute bronchitis					2	4		1			1	2			10
Chronic Bronchitis	1		1						1						3
Broncho-pneumonia	2	1	8	6	7	7	5	3	2	2					43
Pneumonia	5	8	10	13	16	26	13	10	1	8	25	278			413
Pleurisy				1	2	2									5
Gangrene or abscess of lung						1									1
Empyema													1		1
Asthma				2									1		3
Pulmonary abscess		1													1
Otitis media							1								1
Ulcer of the stomach	1				2			1							4
Diarrhœa and Enteritis un- der two years	2	3	4	2	4	2	4	3	24	44	30	7			129
Diarrhœa and Enteritis			1	1			1	1	1	2		1			8
Intestinal perforation					1										1
Appendicitis and Typhlitis	1	1				4	1	1	3	2	3	8			24
Hernia, Intestinal obstruction	1	2	1	1	1			1	2	1		2			12
Hydatid tumour of liver										3					3
Cirrhosis of the liver	1		2								1				4
Abscess of the liver			1												1
Biliary calculi					3										3
Simple peritonitis (non-puer- peral)	1	4	1		2		2	4	1	1		1			17
Chronic nephritis	2	2	4	2	5	4	9	3	3	3	3	4			44
Acute nephritis	1	4	1	2	1	4	2	2	1	2	1	2			23
Diseases of the bladder			1												1
Cystitis															1
Diseases of the prostate					1										1
Cysts and other tumours of ovary									1						1
Salpingitis and other diseases of the ovary				1											1
Tubal pregnancy									1		1				2
Ectopic gestation												1			1
Puerperal hæmorrhage						1			1		1				3
Rupture of uterus in labour etc.						1									1
Difficult labour									1						1
Puerperal septicæmia			1	1				1	1	1		1			6
Puerperal albuminuria and convulsions					1				1			2			4
Osteomyelitis						1		1			2				4
Congenital malformation	2	1								1					4
Congenital hydrocephalus						1									1
Congenital malformation of the heart							2	1		1	1	2			7

VITAL STATISTICS FROM NOVEMBER 1ST, 1917, TO OCTOBER 31ST, 1918.—*Con.*

Disease.	1917.		1918.										Totals.
	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	
Spina bifida			1	.....	1	2	.....	1	.....			1	6
Congenital debility	1	5	7	11	9	4	14	12	10	8	10	12	103
Premature birth	5	2	7	5	8	4	9	9	7	5	2	8	71
Marasmus	2	4	6	3	.....	6	2	1	11	5	8	9	57
Difficult delivery				1	.....								1
Actlectasis						2	.....					1	3
Injury by forceps at birth, etc.	1	2											3
Dystocia												1	1
Senility	9	30	24	28	31	15	29	23	18	17	24	24	272
Hæmorrhagica												1	1
Asphyxia						1	.....						1
Suicide by hanging or strangulation							1	.....					1
Suicide by drowning								1	.....				1
Suicide by firearms								2	.....				2
Other acute poisonings			1	1	.....		2	.....					4
Conflagrations	1	.....	4	1	.....								6
Burns				2	.....							1	3
Absorption of deleterious gases		2	1	1	.....								4
Accidental drowning						1	1	1	1	.....			4
Traumatism by firearms	1	.....										1	2
Traumatism by cutting or piercing instruments								1	.....				1
Traumatism by fall	1	1	2	1	4	1	2	1	4	1	1	4	23
Traumatism by machine												1	1
Railway crushings					1	.....	1	.....		1	1	1	5
Automobile accident										2	.....	1	3
Excessive cold, freezing			1	.....									1
Electricity (lightning excepted)				1	.....					2	.....		3
Homicide, by cutting or piercing instruments								1	.....				1
Shock	1	.....	2	.....									3
Cause not known			1	2	.....								3
Totals	92	132	152	136	150	151	157	132	144	157	168	631	2,211
Still-births	12	15	5	7	13	15	12	16	13	16	8	20	152
Total	104	147	157	143	172	166	169	148	157	173	176	651	2,363

PETERBOROUGH.

GENTLEMEN.—I beg leave to submit my annual report for the year ending November 30th, 1918.

There were 355 deaths and 449 births during the past twelve months.

We had 49 deaths from the following communicable diseases:—

Influenza, with its complications....	31	Mumps	0
Scarlet fever	1	Whooping Cough	0
Diphtheria	0	Typhoid fever	2
Measles	0	Tuberculosis	15

The following communicable diseases were reported:—

Diphtheria (2 negative)	5	Whooping cough	6
Scarlet fever	27	Chicken pox	3
Mumps	2	Tuberculosis	1
Measles	38	Typhoid fever	7

We have just passed through a very trying time. A "plague" that has swept over the whole world, and the most fatal on record, has been with us. It has been our good fortune to have escaped, so far, its terrors, with very few deaths as compared with other centres.

The credit for the above I take not to myself, but I beg leave at this opportune time to give thanks,—thanks not only for our escape, but also for the general public co-operation and appreciation of my efforts.

I do not consider it necessary for me to speak of the sanitary conditions of our city; our Sanitary Inspector, Mr. Stapleton, will no doubt tell you of his excellent work during the year. A nice, clean city and all his branches working in harmony.

Along these lines I would like to see the garbage area extended, a new arrangement made whereby the market square and the rears of the different offices and stores that back on same, could be kept in a more sanitary condition. It is covered at all times with straw, dust and dirt and all sorts of rubbish. The dirt and dust is blown in and out of every nook and corner of the square until eventually somebody carries it away in their food or on their person.

It is customary to end up these reports with a few recommendations for improvements that are in the interests of the public health.

1. No second-hand books for the children in our schools.

2. A passable approach at all times of the year to the Isolation Hospital.

3. A free Isolation Hospital, i.e. as I said last year, a hospital that is a boon and benefit to every citizen, sick or well, should be free, and with a free hospital would give better co-operation, fewer communicable diseases and all the benefits that the inhabitants of a municipality can derive from same.

Thanking you, gentlemen, for your able support and congratulating you on the harmonious and business-like attitude of the members of the Board during the past year, I am,

Your obedient servant,

C. HEWITT AMYS.

DEAR SIR.—I beg to submit my second report for your consideration.

I am pleased to report a decided improvement *re* scavenger and garbage complaints, there being 33 per cent. of scavenger complaints and 50 per cent. garbage complaints less this year than last. I find in my visits people generally are willing to comply with the by-laws of the city. Of course, there are a few who give me a great deal of trouble.

Some citizens do not provide proper receptacles for garbage. Old boxes, which a number of people use, without covers are a great nuisance. Dogs and hens get in boxes and pull them over so that garbage is strewn around on the ground which the garbage men refuse to pick up.

The following list of complaints will give you some idea of the work being done by the Sanitary Inspector:—

Scavenger complaints	437
Garbage complaints	268
Scarlet fever cases	27
Measles cases	38
Diphtheria cases	5
Inspection of houses, cellars and yards	366
Inspection of lanes	36

Inspection of stables	67
Dead animals	12
Cesspools	12
Typhoid cases	7
Houses disinfected	4
Notices served	425
Inspected slaughter-houses	20
Burying night soil	6
Cow byres inspected	45
Inspected all laundries.	
Inspected all eating houses.	
Inspected all bakeries.	
Inspected 7 factories.	
Granted 45 new milk vendors' licenses.	
Milk tests average, April	3.3
Milk tests average, May	3.3
Milk tests average, October	3.5
Milk tests average, December	4.0
Inspected all fruit and fish stores.	
Notices served on all public places during the epidemic of influenza.	

I would like to express my appreciation of the assistance given by Mr. F. W. Miller, Relief Officer, both in the office and in investigating complaints.

All of which is respectfully submitted.

C. S. STAPLETON,
Sanitary Inspector, City of Peterborough.

PORT ARTHUR.

DEAR SIR.—I have the honour to present my report for the year 1918.

The health of the city has been generally good, although early in the year we had a considerable outbreak of mumps among school children. All through the year we have had a few cases of scarlet fever. During the summer months, especially from April to July, we had a number of cases of whooping cough. The death rate, in spite of the epidemic of influenza which has been sweeping over the country, is lower than last year.

Last year there were 237 deaths from all causes. This year 176, which includes 39 stillborns. For several years I have drawn attention to the number of deaths among children, coming under the head of still births. This means that these children are dead at birth or within a few hours of birth. Out of 76 deaths among children up to two years of age for this year, 39 were reported as stillborn, being 2 more than the number which died from all other causes. In 1917 there were 53 still births and 43 under two years of age. In 1916 there were 39 still births and 51 under two years of age, who died from other causes. Making a total for the three years of 262 deaths among children under two years of age, of which number 131, or 50 per cent. died at birth or before. This is an alarming and startling fact. It shows that something is wrong—either ignorance in the handling of these cases or criminal negligence on the part of some one. We are startled when an epidemic like Spanish influenza strikes our town and there are 26 or 27 deaths recorded; every person is up in arms to fight the disease. If we had a dozen deaths from smallpox, scarlet fever or any other contagious disease, the whole community would be completely stirred. Yet year after year there is a tremendous death rate among children, to which no attention is being paid, although, as I say, I have referred to the matter different times. I think it is our duty to bring this matter before the proper authorities, for an investigation, and I am going to ask your Board to pass a resolution to-day asking the Provincial Board of Health to hold an investigation into this matter. I may state that under the head of stillborn is included premature births.

CONTAGIOUS DISEASES.

Scarlet Fever.

Year.	Cases.	Deaths.
1915.....	62	0
1916.....	2	0
1917.....	8	0
1918.....	66	3

<i>Diphtheria.</i>		
Year.	Cases.	Deaths.
1915.....	3	0
1916.....	4	0
1917.....	5	0
1918.....	16	1

<i>Measles.</i>		
Year.	Cases.	Deaths.
1915.....	6	0
1916.....	64	0
1917.....	318	0
1918.....	6	0

<i>Whooping Cough.</i>		
Year.	Cases.	Deaths.
1915.....	6	0
1916.....	44	2
1917.....	6	2
1918.....	58	3

<i>Infantile Paralysis.</i>		
Year.	Cases.	Deaths.
1915.....	0	0
1916.....	2	1
1917.....	0	0
1918.....	0	0

<i>Typhoid Fever.</i>		
Year.	Cases.	Deaths.
1915.....	13	1
1916.....	11	3
1917.....	2	1
1918.....	5	1

Two of these cases being from outside points.

<i>Mumps.</i>		
Year.	Cases.	Deaths.
1918.....	93	0

Spanish Influenza.

To November 25th there were reported 550 cases with 25 deaths. Fifteen of these deaths were among patients who were brought in from outside points.

ISOLATION HOSPITAL.

Altogether we have treated 94 patients in the Isolation Hospital; 66 of scarlet fever, 16 diphtheria, 7 mumps, 4 suspects, and 1 measles, the total number of nursing days being 2,615 at a cost per day of \$2.84.

BIRTHS.

1916.....	512
1917.....	539
1918.....	538

We have had a smaller number of charity patients this year, as there has been such a demand for labor that every person able to work has been busy if they wished it. During the recent epidemic of influenza, when the bread winner as well as the whole family has been laid up, we have been called upon to give assistance. In regard to this I wish to draw attention to the splendid work which has been done by a number of the citizens who have rendered assistance as volunteer nurses, both for private homes and to help out in the hospitals. Others have given help to prepare broths and nourishing food for those suffering from the disease. While others have helped to prepare pneumonia jackets, and other supplies needed by the hospitals. Several owners of automobiles very kindly gave their cars and their time to carry food and supplies to homes where it was needed. I intend through the Press to have the names of those who assisted published.

On account of the death last summer of Chief Nichols, who for a number of years was our Sanitary Inspector, I had considerably more work, having to perform his duties along with my own until a new inspector was appointed. The Council appointed Mr. Alfred Hayes, a returned soldier. I am very pleased to be able to say that Mr. Hayes has shown great energy and care in the performance of his duties.

With the Inspector I visited and inspected boarding houses, hotels, bunk houses, restaurants, butcher shops, bake shops, fruit stores, Current River Park, the dry dock, and elevators. We inspected the lanes and a large number of the yards. We made a house to house inspection in the Coal Dock Section, where we found some yards in splendid condition, the owners having put them into gardens raising very heavy crops of vegetables. A number of the yards were rather dirty and we had to order a general clean up. I am glad to be able to say that that part of the city will now compare favourably with any other part of the city as regards cleanliness. I have visited a number of dairies, having Doctor George, the District Officer of Health, with me on one inspection. He expressed himself as well pleased with the condition of affairs. We examined a large number of samples of milk taken from the rigs by the inspector. Generally the milk is good, but I do not think it will ever be satisfactory under the present mode of handling. I think that all milk coming to the city should pass through a city dairy where it will be examined and bottled before being handed out to the customers. Possibly this is a little in advance for a city of this size, but I think it would be the only satisfactory method of handling milk. At present the milk supply is so decidedly short of the required amount that it is almost impossible to say anything.

SCHOOL INSPECTIONS.

Our school nurse, Miss Jones, has been kept busy during the year. She visits the schools daily, examines pupils sent to her by the teachers, and visits the homes of absentees to find the reasons for their absence. In this manner we are able to keep a very careful supervision of the pupils and to detect and prevent contagious diseases being carried into the schools. The nurse reports to my office daily, so I am able to keep in close touch with the school work. Where there is any doubt in the diagnosis of a case she reports it to me; then I make a personal inspection. The school nurse has been of the greatest value to the city and has helped us to control the spread of disease and without doubt has prevented a number of cases which otherwise might have occurred, and doubtless saved a number of lives. Miss Jones also rendered valuable assistance during the epidemic of Spanish influenza.

I also wish to refer to the work done by Mrs. Flanagan, our matron at the Isolation Hospital. She has had a large number of patients under her care and has given them the greatest attention. The hospital is always clean and well kept.

C. N. LAURIE.

FINANCIAL STATEMENT BOARD OF HEALTH.

Team expense account	\$149 06
Ambulance	18 00
Drug supplies	2 65
Public utilities (tickets, light, phone, gas)	149 06
Printing and stationery	71 96
Labor	4 40
Wreath (Chief Nichols)	10 00
Telegrams	2 66
Pay roll	5,206 04
Total	\$5,613 83

ISOLATION HOSPITAL.

Board account	\$2,927 04
Public utilities (light, telephone, tickets)	52 06
Drug supplies	179 72
Fuel.....	440 01
Extra nursing	126 00
Ice.....	88 65
Repairs.....	333 89
Supplies.....	179 35
Pay roll	2,200 00
Total.....	\$6,426 72

2,615 nursing days, cost per day, \$2.84; patients for year, 94;	
cost per patient, \$68.36; expenditure for 1917 was	\$11,821 04
Total expenditure	\$12,040 55

I have the honour to be, Sir,

Your obedient servant,

C. N. LAURIE.

Medical Officer of Health.

SARNIA.

GENTLEMEN.—I beg to submit to you the following report for the year 1918:

There were twenty-one meetings of the Board held during the year, the outbreak of smallpox in the winter of 1917-18 and of Spanish influenza in the fall of 1918 requiring frequent meetings. The information required by the Provincial Board with regard to cases of communicable disease has been forwarded weekly, except the cases of Spanish influenza, which is not entered on the official form as a communicable disease. Of that disease there were reported to the Sanitary Inspector, and through him to the Secretary, two thousand two hundred and fifty-nine cases (2,259).

The Board during the year purchased a machine for disinfecting small articles, and a milk tester, both of which have given good satisfaction.

The sanitary conditions of the city are on the whole good, the main exception being that part south of the Tunnel Cut, where a system of sewerage is much needed. This matter has been brought before the Municipal Council by the Board of Health, but financial conditions have so far prevented action. The City engineer, in his recommendations for 1919 work, has included a very complete sewer system for that part of the city.

I remain, Gentlemen,

Your obedient servant,

J. D. STEWART,

Secretary.

Summary of Expenditure of the Local Board of Health for the Year 1918, as shown by the City Treasurer's Ledger.

<i>Expenditure on account of outbreak of Smallpox—</i>	
Medical attendance	\$882 00
Groceries, board, etc.	553 89
Fuel	54 16
Medical supplies	117 05
Labour	37 00
Cartage and livery hire	51 50
Apparatus and furnishings	68 19
Rent	15 00
Salary (extra to Inspector Crosbie)	50 00
Total Smallpox expenditure	\$1,828 79
<i>General Expenditure—</i>	
Syringes	\$17 65
Plumbing (Inspector's office)	41 88
Repairs to apparatus	18 30
Apparatus	17 95
Boxes for water samples	14 64
Express, telegraph and telephone charges	38 92
Salaries and pay-sheets	1,581 92
Printing, advertising and stationery	126 58
Hardware supplies	4 15
Cartage and livery hire	9 25
Clothing	60 50

Medical supplies	\$28 58	
Transportation	17 55	
Rent	40 00	
Miscellaneous	1 25	
Total general expenditure		\$2,019 12
Total		\$3,847 91

J. D. STEWART
Secretary

GENTLEMEN.—I have the honour to submit to you the report of the sanitary conditions of the City of Sarnia for the year ending December 31st, 1918. There have been reported to the Health Department, 46 cases of scarlet fever, 11 cases of diphtheria, 16 cases of typhoid fever, 86 cases of measles, 45 cases of smallpox, 6 cases of tuberculosis, 2,068 cases of Spanish influenza. In all cases where fumigation was required, it was done by Mr. A. Crosbie, Sanitary Inspector, and instructions were given to the heads of homes *re* proper cleansing, etc.

The methods adopted by the Board in regard to the quarantining are as follows:

As soon as the attending physician decides he has a communicable disease he reports the same to the Health Department and the Sanitary Inspector immediately puts up a card on the house and issues a card with printed instructions for the guidance of the inmates of the home. As soon as the regular quarantine has passed, provided no additional cases develop in the home, he fumigates the premises, removes the card, and notifies the Medical Officer of Health, who issues certificates to the children of school age so that they may resume their school work. In case of smallpox, the home is quarantined and all the inmates are vaccinated, and the case or cases that have developed smallpox are isolated and attended for treatment by the Medical Officer of Health. During the early part of the year we were visited by an epidemic of smallpox. Two of the clerks of the post-office staff contracted smallpox. This necessitated drastic action, and the Board ordered the post-office closed, and all office employees were compelled to be vaccinated and quarantined at their homes for twelve days. A temporary post-office was opened on Front Street and equipped with a staff of employees from outside offices, and all the mail matter and building was thoroughly fumigated and the building scrubbed.

Ever since I can remember, the Board of Education passed a resolution compelling all school children before being admitted to school to be successfully vaccinated, and a certificate to that effect from their family physician should be taken to their respective teachers, and I am happy to say that this precaution has no doubt saved many from contracting the loathsome disease.

SPANISH INFLUENZA.

During the latter part of the year we were visited by a continental epidemic of Spanish influenza, which made its appearance about the 1st part of October. The Board of Health issued a proclamation through the Mayor of the city, compelling all schools of learning, churches, theatres, pool rooms, and dance halls closed indefinitely, and I prepared a pamphlet advising the citizens:

1. What to do to prevent influenza.
2. What to do if you contract influenza.

The Board instructed me to have printed several thousand of these Golden Rules, and these were distributed voluntarily in every home by members of the S.O.S and I.O.D.E.

I am of the opinion that these suggestions to our citizens were the means of saving many lives. Fortunately our deathrate was considerably less than most of the places our size in population. I am pleased to state that at the present time the epidemic has also abated. The physicians of the city complied with our request to notify the Sanitary Inspector daily of the number of new cases for the preceding day, and by this means we were enabled to keep in touch with the spread of the epidemic. Whilst 2,068 cases were reported, we feel that many cases were not reported, and that many of these cases known as carriers were the means of its spread to others with whom they came in contact. The Provincial Board of Health provided a few packages of influenza vaccine, and these packages were distributed equally among the physicians of the city, and I am of the opinion that where the vaccine was used it worked wonders in preventing them from contracting the disease.

The public owes a great debt of gratitude to Miss Barrie, the S.O.S., and I.O.D.E., who did such splendid work in combating this disease. They were entrusted with the

distribution of literature of Golden Rules, as well as furnishing many families with nurses, and the work was well done. In several homes every member of the family was ill. It is no trifling matter for a young lady to offer her services as cook, housemaid and nurse to a family affected with a disease so dangerous.

MEASLES AND SCARLET FEVER.

Measles and scarlet fever have been reported and the homes quarantined, but there are many cases that are not reported to the Health Board, as parents very strenuously object to being quarantined, and this causes a great deal of friction among neighbours where these diseases exist, viz.: one home is quarantined and inmates prevented from intermingling with their friends, while others try to conceal their cases from the Board by not calling in a physician, and the inmates of that home are allowed to follow their usual avocations. School rooms where any communicable disease has been known to have existed, are dismissed and the same fumigated by the Sanitary Inspector.

DIPHTHERIA.

We have been very fortunate in having only 11 cases of diphtheria and no deaths, and I am confident that the splendid efforts of the Provincial Board of Health will be appreciated fully by the medical profession throughout Ontario; and as long as free antitoxin is distributed by that body, the physicians have no excuse in not giving antitoxin to all those who may be suffering from symptoms of this disease, for it has been demonstrated that antitoxin administered early and in large doses is the only slogan in the handling of diphtheria.

We should have a laboratory of our own, with an expert bacteriologist, and every throat where there is a suspected case should be swabbed and examined in the laboratory, for otherwise we have to get the swab and send it to London and wait for hours for a diagnosis.

VENEREAL DISEASES.

During the last session of the Local Legislature, they passed an Act known as "Venereal Diseases Prevention Act," and this Act came into force after the passing of the same.

Notification and literature and forms were forwarded to our Sanitary Inspector and myself, and after drawing the attention of the members of the Board to the Act, it was resolved to wait and see what other places were doing. About the 1st part of October I issued notices for a meeting and invited members of the Board of Health, the physicians and dentists of the city, and heads of all institutions who were concerned in the enforcement of the Act. At this meeting, which was held in the police court room, about 13 out of 30 invitations attended, and I explained to those present "The Venereal Diseases Prevention Act," and for a few weeks some of the physicians reported their cases coming under their care, but sorry to say no reports have been handed to me for some time. The Act is for the public welfare, but I cannot see, with the machinery we have, how it is going to be enforced.

MILK SUPPLY.

No food is so useful for developing a sturdy race, and no food is so dangerous to human life. Our milk comes from many sources and is handled by many before it reaches the child. Our milk supply is distributed to our homes by (1) *The Dairyman*, who either gets his supply from his own herd of cows or by purchasing his milk supply from some neighbouring farmers. (2) *The City Creamery*. The Dairyman distributes his milk to his customers in bottles and from the bulk can, whilst the Creamery obtains their supply from the farmers, and before it is distributed the milk goes through the process of pasteurization and is then bottled and sealed and distributed in the early morning hours whilst the weather is cool.

Our Sanitary Inspector, through the courtesy of the Board, obtained a milk sediment tester during the year, and he has tested the milk vendors' milk at different times, and whilst the fat test stood out pretty well in most of the samples, the sediment test was not found to be very satisfactory.

There is another kind of milk known as "Certified Milk," which is obtained from the dairyman who has a herd of cows which are examined regularly at intervals by a skilled veterinary surgeon for tuberculosis, and any cow not conforming to the test is rejected from the herd, and all milk supplied is placed in sterile bottles and sealed and labelled "Certified Milk." Unfortunately we have no such milk delivered in the city.

I would recommend that a veterinary surgeon be appointed and that he visit those who supply milk to the dairymen and creamery twice a year and report on the health of the cows and condition of the stables, and that on the strength of these reports permits be issued to those disposing of their milk in this way.

In my opinion all milk should be pasteurized before it is allowed to be distributed to the homes in this city.

GARBAGE.

Our collection and disposal of garbage is not yet what it should be. Many citizens complain of the garbage being placed on the streets without proper receptacles, and this might be improved

- (1) By systematic educational canvass.
- (2) By distribution of leaflets of personal instruction.

The garbage collectors have for some years past removed the garbage to the dump outside the city limits just east of the old fair grounds, but as the Township of Sarnia Board of Health proclaimed this dump a nuisance, the city has been slow in carrying out the decision of Chief Justice Mulock when the case came before the courts. An incinerator has been spoken of, and we earnestly hope this question will be dealt with in the near future, and then we will have a proper place to dispose of the garbage without further complaints.

SCHOOL NURSE.

The Board of Education, in conjunction with the Council of Women, has for some years employed a Social District Nurse, Miss Barrie, who calls at the various schools and Collegiate Institute and makes out a physical record and history of each pupil, recommendations to parents regarding physical defects of the child. Examinations are made as soon as practicable after the child's admission to school, consisting of examination of vision, hearing, tonsils, adenoids, teeth, cervical glands, skin of face, neck, hands and scalp, the presence of vaccination scars, recognition of any nervous disorders, and general appearance of the pupil. These disorders are reported by the nurse to the parents, and they are advised to consult their family physician regarding the same and advised to have said defects attended to. Decayed teeth, enlarged tonsils and adenoids are attributed as causes of rheumatism, neuritis, anæmia and many other disorders of the human system.

ISOLATION HOSPITAL.

We are still without a suitable isolation hospital for contagious diseases. Every time we have a severe epidemic the question of an isolation hospital comes up before the Local Board of Health, and some action is taken, but as soon as the epidemic is over, nothing more is heard of it until the next epidemic. It behooves the authorities to get busy and secure a suitable piece of ground and erect a building of sufficient capacity for the future treatment of all our contagious diseases. During the four years of war our citizens have given generously of their money to alleviate the sufferings of our fallen men, and now that the war is over, I trust that the powers that be will erect an up-to-date isolation hospital.

WATER SUPPLY.

Ever since the great epidemic of typhoid fever, our water supply has been a hindrance to the growth of the city of Sarnia. To improve the conditions, the intake pipe was extended out to the river channel. Chlorination has been resorted to, and lately a very complete plant has been installed, and we have with this system been able to supply water which has been regularly sent to the Laboratory weekly, by the Sanitary Inspector, and found to be practically free from Coli Bacilli. However, our citizens at the last municipal elections ratified the spending of \$55,000.00 to secure absolutely pure water to our basins at the new pumping station, and we earnestly hope that the coming experiment will secure to our city the purest water that can be secured anywhere in Canada.

SEWERAGE.

The question of sewage disposal is becoming more and more an important question. Whilst our city is fairly covered with sewers, there remain about 211 closets which have to be attended to during the year. It may be that these cases have no sewer on

their streets. Some two years ago the Local Board ordered sewers to be built in that portion of the city south of the tunnel cut, and was endorsed by the Provincial Board of Health, but up to this time no action has been taken, and I would recommend that sewers be placed in that section of the town and connect with the outlet on Christina Street South. Our present outlet of all our sewers is into the River St. Clair, and as the International Waterways Commission has ordered this system to be stopped, it will be necessary for this Board to give this matter careful attention and investigation.

DEATHS AND BIRTHS.

During 1918 there have been registered 260 deaths, and the death rate per thousand of population has been 21.66.

The total rate for the last three months was 94, and 43 of these were due to influenza and complications, so that if these were deducted from the total death rate, it would reduce the death rate per thousand to 18. There are usually a number of deaths at the hospital amongst those who come to our hospital from outside places for treatment, and these deaths are charged against this city in making out our statistics.

Influenza deaths numbered 43 for the last three months of 1918, being at the rate of 3.5 per 1,000 of the population, and being lower than many places of our size.

The births for 1918 were 292, being 24.33 per 1,000 of population, and it is among children from birth to 4 or 5 years of age that we have our greatest percentage of deaths.

RECOMMENDATIONS FOR THE YEAR 1919.

1. That steps be taken to have a suitable place for the care of all communicable diseases.
 2. That a sewer be constructed in the South Ward below the tunnel cut.
 3. That a Veterinary Surgeon be employed to inspect all cows and barns where milk or cream is being supplied to our citizens or creamery, and that permits be granted to only those who comply with veterinary endorsement. That he examine regularly all slaughter-houses, and see that they comply with the health regulations.
 4. That the Board should investigate and see if it is not possible to have all milk supplied to our citizens pasteurized.
 5. We expect to see our Waterworks System completed and our city supplied with an abundance of pure, fresh water.
 6. We expect to see our Incinerator built and in operation, so that all our garbage will be disposed of in a sanitary manner.
 7. We would like to see our City Council Board of Works employ "white wings" and clean our principal streets daily.
- All of which is respectfully submitted.

WM LOGIE, M.D.,
Medical Officer of Health.

STRATFORD.

To the Chairman and Members of the Local Board of Health.

GENTLEMEN,—I have the honour of again presenting to you the annual report of the health of the city, during the past year. In doing so there is a certain amount of pleasure, but commingled therewith is a degree of sadness.

It is a pleasure to note that we have been comparatively free from the so-called preventable diseases, no deaths being reported therefrom during the year. This is certainly a wonderful and unusual record.

Statistics.—In the city there were 311 births, 86 marriages, and 235 deaths, as per City Clerk Lang's report. The number and cause of deaths are as follows:

Apoplexy	7	Blood poison	1
Appendix abscess	1	Convulsions	4
Arterio-sclerosis	4	Congenital deformity	1
Asthma	2	Congested gall duct	1
Anæmia	1	Cancer	6
Abdominal tumour	1	Cerebral thrombosis	1
Bronchitis	5	Cerebral hæmorrhage	1
Bright's disease	4	Cholera infantum	1

Congenital heart defect	1	Lung	1
Debility	5	Laryngitis	1
Drowning	1	Myocarditis	2
Dysentery	1	Meningitis	2
Diabetes	1	Malnutrition	2
Enlarged prostate	1	Nephritis	2
Explosion	1	Old age	2
Endocarditis	1	Premature birth	6
Gangrene	3	Pleurisy	2
Goitre	2	Pneumonia	15
Gall stones	1	Paralysis	2
General prostration	3	Rheumatism	2
Heart	24	Still-born	9
Hæmorrhage from severed jugular vein	1	Senile dementia	1
Influenza	10	Senility	13
Influenza-pneumonia	61	Tuberculosis	5
Indigestion	4	Ulcer of duodenum	1
		Uremic convulsion	2

Like other places we were attacked by the disease known as "Spanish influenza." It came upon us like a hailstorm and claimed 86 victims by death with its onslaught. Had it not been for that, our death rate would have been only 8.5 per cent., a wonderful showing.

I must congratulate the Board for the interest taken and work done by them during the trying time of the epidemic. I would specially mention the Chairman and the Sanitary Inspector. The former devoted almost his whole valuable time to the work, and the latter risked his health and life in the carrying out of his arduous duties.

The thorough plan of organization by the Board tended materially to keep the disease in check. The Board was ably assisted by the Ladies' Auxiliary, the Ladies' Aid and other societies. The managers of the different workshops, factories and stores rendered special aid. Voluntary nurses did more excellent work than can be expressed. It is deplorable that two nurses should have lost their lives in thus caring for others.

The Hospital Aid did noble work in opening its doors to deserving victims; the nurses therein deserve praise.

Loretto Convent and the Salvation Army undoubtedly stand high in the estimation of the citizens for the voluntary and excellent service rendered by them. The press proved thoroughly patriotic and rendered advice freely without thinking of hope of reward. The medical profession did much by their warning and advice towards suppression of the disease. The citizens, as a whole, rendered material assistance by the care they took of themselves, acting through advice given. The amount spent in fighting the disease and the giving of charity amounted to a comparatively small amount, when taking into consideration the amount of charitable work done. The elaborate report of the Chairman, sent to the Council a few weeks ago, gave a full account of the work done.

Typhoid Fever.—It is gratifying to note that there is not a single death reported from typhoid fever during the year. The entire absence of this disease has been undoubtedly due to our excellent water supply. Too much praise cannot be given the Chairman of the Utilities Commission, Mr. J. J. Mason, for his untiring zeal and perseverance in his endeavour to give the citizens a pure supply of drinking water. He has been rewarded by his efforts, in that he has accomplished his objective. Samples of the water were sent to Toronto weekly for analysis, by the Sanitary Inspector, and a favourable report was always given.

Sanitary Work Done.—The Inspector, Mr. Dunseith, made frequent inspections and sent notices to all persons not observing the regulations. Restaurants and all places where foodstuffs are dealt out have been carefully looked after. Butcher shops and slaughter-houses were often inspected, and on the whole found fairly satisfactory. Grocery stores and cellars were usually found well kept.

Our milk supply has been very good and up to the standard; the dairy barns clean and well looked after.

Butcher tables and meat in market shelter were regularly inspected. Butter offered for sale was frequently weighed and usually found correct.

The garbage collection is being carried on satisfactorily, and undoubtedly has contributed materially to the splendid health condition of the city.

The sanitary condition of the city, apart from the influenza, has been excellent.

Respectfully submitted,

J. A. ROBERTSON,
Medical Officer of Health.

ST. CATHARINES.

To the Chairman and Members of the Local Board of Health.

GENTLEMEN.—I beg to submit my annual report on the Sanitary and other conditions pertaining to the health of the city for the year ending October 31st, 1918.

Until the outbreak of influenza, early last month, the health of the city and the death rate per thousand of the population was about the average, as observed during the past few years.

Vital Statistics.—The total number of births, as reported, was 237 males, 257 females—grand total, 492. Number of marriages, 154. Total number of deaths, 316. Of these there were 37 still and premature births, also 47 deaths during the first year of life, making a total loss of 74 children, mainly due to pre-natal influences, congenital debility, congenital malformation, over-work, worry, lack of exercise, lack of hygienic living conditions during the period of gestation, etc. The question of child welfare is now becoming a great economic and social problem and one for which a solution should be found, if the great loss of child life is to be lessened.

Contagious Diseases.—There were reported as follows:

Diphtheria	17 cases, with 5 deaths.
Typhoid fever	5 " " 2 "
Measles	9 " " 0 "
Scarlet fever	69 " " 4 "
Mumps	2 " " 0 "
Chicken-pox	3 " " 0 "
Whooping cough	8 " " 2 "
	113 " " 11 "

In addition, there were reported 8 cases of tuberculosis, with 19 deaths. There were also reported 568 cases of epidemic influenza and pneumonia. There were recorded 61 deaths from these diseases during the year. Of these 33 died during the month of October alone. In addition to these cases of influenza reported, several hundred may be added, making a possible total of about 1,000. An incomplete report for the Province during the month of October shows that the normal death rate was more than doubled: that 3,394 people died from the twin diseases, giving a death rate of 27 per thousand during that month. While the loss of citizens is deplorable, there is room for thankfulness that the death rate was so low in this city.

Sanitation.—Generally speaking, the sanitary conditions of the city have been of a higher standard than usual. In other words, during the past year the city has been remarkably clean and free from the fly pest. This is no doubt due, to a great extent, to the universal cultivation of back-yard gardens, and also to fewer stables, by reason of the introduction of horseless wagons into business affairs, thus reducing the number of unsightly and offensive manure heaps. The City Engineer estimates that there have been collected and removed approximately 7,000 tons of garbage and other refuse matter. This, as compared with the estimate of last year of 10,000 tons, would indicate that much refuse has been spaded into the ground and that the people are more saving of food articles than in the past. I would again draw the attention of the authorities to the desirability and advisability of introducing in the near future a municipal system of garbage collection, as cheaper and more efficient than the present one. During the year there were constructed 10,389 feet of new sewers. There are also under contract and in course of construction a further 4,467 feet. There were also made 95 house connections. It may be interesting to state that during the past ten years the city has constructed 132,115 feet of new sewers, being about 25 miles of this progressive and health-giving work. There has also been made during the past ten years, 2,257 house service connections, all of which shows a healthful and steady sanitary progress.

On a recent visit to the cities of the North-West, I was greatly impressed with the cleanliness of and width of the streets, the almost universal system of lanes between streets, the wide-open spaces between houses in the residential sections, the parks and breathing spaces, and the large playgrounds around the public schools. Many of these desirable features could be adopted with advantage in this city.

Isolation Hospital.—During the year there were admitted to this institution, 28 patients suffering from different contagious diseases. The average cost for each patient was \$64.73. The total expenditure was \$1,930.52. The total revenue was \$849.00. While the hospital is inadequate for the work required, it has been kept in as serviceable a condition as circumstances would permit. The experience of the past month has duly demonstrated the necessity for an isolation hospital suitable for the demands of a growing city. What was considered sufficient ten years ago cannot meet the service

required to-day. In the near future, epidemic diseases of all kinds will be added to those which Boards of Health are now required to provide for, and such diseases will be excluded from general hospitals, as is now being urged in some cities.

Valuable War Lessons.—The war has taught many lessons which, while expensive, are valuable. One lesson is the value of physical training and personal hygiene as taught in the training camps. If the regulations of camp life as regards regular hours, regular meals with regular work and play in the open air, could be enforced in civil life, a great change would be made in the physical health and vigour of the civil population. The trouble is that people are too indifferent to the simple rules which make strong men and women, fill them with energy and courage, and fit them for the battle of life. The playground and gymnasium are valuable aids.

All of which is respectfully submitted.

F. KING, M.D.

Medical Officer of Health.

To the Chairman and Members of the Local Board of Health.

GENTLEMEN,—I herewith submit my annual report from November 15th, 1917, to November 15th, 1918.

Attached to this report is a list of deaths and their causes during the year, also a summary of their ages at the time of death.

Influenza-pneumonia shows a very large percentage of the deaths.

I also submit a list of diseases classed as contagious, as reported by the medical practitioners of the city, which shows a large number as compared with 1917. Influenza-pneumonia is only an approximate estimate, as the medical practitioners did not report that disease at the commencement of the epidemic.

Outside of tuberculosis and influenza-pneumonia there were only 11 deaths from contagious diseases.

Births reported: males, 250; females, 269. Total, 519; a decrease of 107 from 1917.

Marriages reported, 159; a decrease of 20 from 1917.

Deaths reported, 335; an increase of 80 over 1917.

The population, as returned by the Assessment Commissioner for 1918, is 19,189, an increase of 111.

The sewer system has been further extended and a large number of sewer connections made, which all tend to improve the health of the city.

All of which is respectfully submitted.

J. ALBERT PAY,

Secretary, Local Board of Health.

DEATHS FROM NOVEMBER 15TH, 1917, TO NOVEMBER 15TH, 1918.

Apoplexy	13	Goitre	1
Accident	2	Gangrene	1
Arterio-sclerosis	5	Heart disease	8
Appendicitis	2	Hypertrophy	3
Asthma	2	Hæmorrhage	8
Bronchitis	4	Heart failure	9
Bright's disease	2	Indigestion	4
Cancer	9	Inanition	6
Carcinoma	7	Ilio-colitis	2
Convulsions	6	Jaundice	2
Carbuncle	1	Myocarditis	2
Cirrhosis of liver	1	Maldevelopment	1
Consumption of lungs	3	Meningitis	4
Cholera infantum	6	Malnutrition	3
Diabetes	4	Marasmus	3
Diphtheria	5	Nephritis	6
Debility	4	Nenritis	1
Diarrhœa	3	Oedema	2
Dilation of heart	2	Osteomyelitis	1
Dropsy	1	Obstruction of bowels	7
Drowned	1	Old age	5
Endocarditis	7	Ostomyelitis	1
Epilepsy	2	Premature and still-births	30
Enteritis	2	Pneumonia	75

DEATHS FROM NOVEMBER 15TH, 1917, TO NOVEMBER 15TH, 1918.—Continued.

Poison	2	Tuberculosis	21
Pernicious anæmia	4	Tonæmia	1
Paralysis	4	Tetanus	2
Peritonitis	2	Typhoid fever	2
Septicæmia	1	Ulcer	1
Stabbed	1	Uræmia	4
Strangled	1	Valvular heart	2
Scalded	3		
Stone in bladder	1		335
Scarlet fever	4		

AGE AT TIME OF DEATH, FROM NOVEMBER 15TH, 1917, TO NOVEMBER 15TH, 1918.

Still and Premature		30
Under 1 year		49
1 year and under 5		22
5 years and under 10		8
10 " " 15		5
15 " " 20		11
20 " " 25		8
25 " " 30		16
30 " " 35		20
35 " " 40		21
40 " " 45		9
45 " " 50		15
50 " " 55		13
55 " " 60		16
60 " " 65		13
65 " " 70		20
70 " " 75		18
75 " " 80		18
80 " " 85		12
85 " " 90		6
90 " " 95		5
95 " " 100 . . . . .		..
		335

CONTAGIOUS DISEASES REPORTED.

	Cases.	Deaths.
Diphtheria	17	5
Scarlet fever	69	4
Mumps	2	0
Chicken-pox	3	0
Measles	9	0
Typhoid fever	5	2
Tuberculosis	8	21
Whooping cough	8	0
Influenza-pneumonia	568	75
Total		107

WINDSOR.

To the Chairman and Members of the Board of Health.

GENTLEMEN.—I beg to submit my annual report for year ending October 31st, 1918.

BIRTHS AND DEATHS.

There were 640 births and 364 deaths in Windsor last year. In the report of 1917, 760 births and 413 deaths—making practically the same ratio.

INFANT MORTALITY.

Eighty-seven died during the first year of life. Compared with the birth rate this is 11½% fewer deaths of infants than last year.

About one-quarter of all deaths occur during the first year of life. If our chief aim is to preserve life, then we must devote our best efforts to infants. The Board of Health has but one nurse, whose duties comprehend cleaning up for release from quarantine, attendance at the tubercular clinic and visits to tubercular patients, as well as visits to infants. During the past summer there was very little quarantine, and she was able to visit a good many homes in our congested districts to aid in the care of babies, but obviously our force is inadequate.

It is encouraging to note that the public generally is taking more interest in this problem, and we hope that something practical will grow out of the interest taken in it by Social Service.

If so many die during infancy, it is obvious that many of the survivors carry into life defects that impair their vitality and usefulness.

CONTAGIOUS DISEASES.

Two thousand and forty-three visits were made in connection with quarantine

	Homes Quarantined.	No. of Cases.	Deaths.
Smallpox	10	16	0
Measles	49	*49	1
Scarlet fever	31	35	2
Infantile paralysis	1	1	0
Typhoid fever	16	16	4
Whooping cough	96	*96	2
Meningitis	2	3	3
Tuberculosis . . . . .	..	37	14
Diphtheria	162	242	6
Carriers . . . . .	..	67	..
Total	367	579	32

* All the cases of measles and whooping cough not noted.

INFLUENZA.

Influenza at present is not a disease subject to quarantine, but we advised the public to observe the same regulations, and I am grateful to say that our advice was graciously accepted, and on the whole I think the disease was as well controlled here as anywhere.

There were 235 homes with influenza, and we are grateful to the physicians for reporting these and for their assistance in every way suggested; but many cases did not consult a doctor, and medical men were so busy that they neglected to report many. It is estimated that upwards of two thousand cases have occurred in Windsor already.

The great difficulty in controlling influenza is due to the fact that it is contagious before the patient is aware of his illness, and many cases are so mild as not to be recognized at all.

The Mayor, after consulting with the Board of Health and doctors, closed schools, churches, theatres and public gatherings for two weeks.

NURSING PROBLEMS.

The sudden occurrence of so many cases of such a serious character at once took up the time of all our nurses and filled the hospital. The public owes a great debt of gratitude to the sisters of service who did such splendid work in combating this disease. They were entrusted with the publicity campaign as well as the furnishing of nurses, and the work was well done. No family in the border municipalities was without nursing and other necessary help. In several houses every one was ill.

Volunteers were called for, and a number nobly responded. It is no trifling matter for a young lady to offer her services as cook, housemaid and nurse to a family afflicted with a disease so dangerous, and one which she was almost certain to take.

The border cities were divided into sections, each supervised by a school nurse. When a request for a nurse came in, a volunteer who had already been instructed by St. John Ambulance or the pamphlet issued at headquarters in Toronto, was taken to the patient and shown what to do. In many cases the supervisor bathed the patient and did other necessary duties to illustrate to the volunteer.

Our thanks are due to the Ford Motor Co., which placed automobiles with chauffeurs at the service of the nurses, so that the supervisor could call in and see how her amateur nurses were getting on. *All the supervisors gave their services free.*

It is a matter for regret that the expected happened—a number of our nurses became sick, some of them very ill. One supervisor also was forced to give up, and Miss Baxter very graciously took her place.

Up to date there were only thirty-two deaths from influenza in Windsor, which is not excessive when we consider that probably two thousand were afflicted.

EFFICACY OF VACCINE SENT FOR PREVENTION BY THE PROVINCIAL LABORATORY.

At first the opinion of physicians was very much in favour of vaccine for prevention. Now there is a difference of opinion.

In order to arrive at some reliable conclusion, I have analyzed influenza and its vaccine where we have definite data, the staff of the Hotel Dieu, where all were vaccinated.

(1) Date of first case of influenza in Hotel Dieu	October 6
(2) Number on nursing staff at this date	45
(3) Number of maids at this date	17
(4) Date of first vaccine	October 25, 1918
(5) Number of nurses and maids ill with influenza to Oct. 25, 1918..	21
(6) Number taken ill within five days after the first vaccination ..	4
(7) Number taken ill within five days after the second vaccination..	3
(8) Number taken ill five days or more after the second vaccination	4
(9) Number of deaths	0
(10) Severity before vaccination or after	doubtful

It will be noted that in nineteen days after exposure without vaccination there were twenty-one victims; counting five days for incubation, twenty-five victims in twenty-four days. Three became ill in less than five days after the second dose, but seven, including this three, have become infected in twenty-one days after vaccination.

These figures would indicate a decided advantage in using the vaccine, but it happens that all the younger nurses but two who were nursing influenza became infected, and the older ones may have been immune without the vaccine. There were only six of the younger nurses in the hospital not infected.

Of the thirty-two deaths in the city till November 15, only one was vaccinated, and that only two days before taken ill. I have asked opinions of our physicians, and the majority consider it of great value, but probably the immunity is of short duration.

TUBERCULOSIS.

Only thirty-seven cases were reported, all from our clinic, and there were fourteen deaths.

I am certain many cases were not reported. There are probably two hundred open cases in the city. Where are they?

The danger of the infection is not so much from advanced or bed-ridden cases. They are not handling food for the family, or coughing towards them. An open case is going about the house, coughing, speaking towards others for two years before it becomes advanced; and, while it is certainly wise to provide against infection during this stage, it is quite certainly a case of "locking the stable door after the horse is stolen."

Our nurse has visited the houses of 37 cases. Her time for this work is limited. There should be a nurse for this purpose alone, and a good, capable one, with power to act.

Probably most of the unrecognized cases do not consult a physician until they are advanced, and attending physicians and infected families do not take kindly to outside interference. How many tubercular cows are furnishing us with milk?

Surely all milk should be pasteurized, and that, too, in a municipal dairy where we could be sure of details. *Every home should make provision for an outdoor sleeping porch.*

We are indebted to the Sanitarium for very much, and very particularly for the splendid work in the clinic by the medical superintendent, Dr. Flock.

TYPHOID FEVER.

During the past year twenty-one cases were reported and nine deaths; five cases and five deaths came to our hospital from other municipalities. This leaves sixteen cases in Windsor, with four deaths.

An analysis of these sixteen cases shows:

One drank water in Amherstburg;

Three drank water in Chatham during the epidemic;

Two drank water in M.C.R. private water system;

Two drank water at River Rouge, Mich.;

One drank water travelling from Port Arthur to Montreal;

One worked at a coal dock and on boats, and may have taken river water;

Three had typhoid in the family formerly, probably due to carriers;

Two diagnosis very doubtful, probably not typhoid (one a River Rouge case);

Two drank Windsor water, and there was no other apparent cause.

They were scattered pretty well over the city. Two victims used water from the M.C.R. system. This is very dangerous, and the authorities have been warned.

There are only two cases where we have not a reasonable cause aside from our city water, and I think it is fair to conclude that Windsor is more free from typhoid than it has been in thirty years, owing to effective chlorination. Gratitude of the city is due to Mr. Kellner, of the water works, and his careful assistants. If our chlorination is well done we are safe; ten minutes of neglect might mean a hundred cases.

Four deaths in the sixteen reported cases is a high death rate. I am inclined to think that all cases were not reported.

We expect a clean sheet next year.

DIPHTHERIA.

Our record for the past year is bad—242 cases, 67 carriers (some of our carriers were reported as diphtheria), and 6 deaths. Last year, 223 cases and 16 deaths.

We have established a laboratory of our own, with an expert bacteriologist. The throat of each pupil in the school room is swabbed and examined in the laboratory; every absentee is examined, and quarantine established in all positive cases, so that we must surely get results.

INSPECTION OF PREMISES.

According to the law, every home and surroundings in this city must be inspected by us once a year. With our present staff this is impossible. We inspect carefully every complaint; 267 of these inspections were made.

As a matter of fact, a city employee does or could inspect the premises. We have garbage collectors under the Board of Works, of good intelligence, who inspect them almost daily. If some system were devised of reporting to us, the thing is accomplished. Why not,

INSPECTIONS.

Stores	1,704
Markets	67
Slaughter-houses	93
Dairies	210

FOOD CONDEMNED.

Beef	3,600 lbs.
Lamb and veal	800 "
Pork	1,400 "
Vegetables and fruit	5,200 "
Milk, cream	700 "

11,100 lbs.

BORDER CITIES BOARD OF HEALTH.

For more than two years we have been advocating that a health district should be established, but the uncertainty as to our financial position after the war seemed to make our efforts futile. It is quite likely this will be accomplished soon. Until it does come we cannot secure the best results with quarantine. We are not likely to get an isolation hospital or municipal pasteurization.

Yours respectfully,

G. R. CRUICKSHANK,
Medical Officer of Health.

WOODSTOCK.

To the Mayor and Aldermen of the City of Woodstock.

GENTLEMEN,—I herewith submit the annual report of the Health Department of the City of Woodstock for the year ending 15th of November, 1918.

During the close of 1917 and the early part of 1918 we have had to contend with an epidemic of measles, but we are glad to say that any fatality was not reported as due to the disease.

During the months of October and November of the present year the city was visited by the influenza wave which swept over nearly the whole world. In our opinion the city of Woodstock suffered less from the plague than the average town or city. As to the diseases to be reported to the Medical Officer of Health, we have had very few, except measles, chicken-pox and whooping cough.

The members of the Board of Health are very grateful to the City Council for their generosity in moving the Isolation Hospital from an unsanitary, inconvenient and lonesome locality to one having many good features in its favour. Your committee have remodelled the building and painted it. Water and electric light connections have also been made.

The population of the city by the census of 1918 is 10,057.

Number of births during the year, 198. Number of deaths registered in the Registrar's office, 139. Deducting from this 18 non-residents who came to the city for treatment, and also 20 still or premature births, we have 101 deaths from disease or accident. This gives a death rate of 10.4 per thousand of population.

Deaths were due to the following causes:

Typhoid	2	Pneumonia and influenza	17
Heart disease	22	Tuberculosis	4
Still and premature birth	20	Convulsions	5
Gastric ulcer	3	Cerebral hæmorrhage	3
Old age	8	Motor accidents	3
Cancer	2	Exhaustion	3
Apoplexy	2	Paralysis	4
Anæmia	3	Pulmonary œdema	2
Struck by train	2	Peritonitis	2
Septicæmia	2		

and one each of the following, viz. uræmic poisoning, cerebral abscess, congestion of brain, diabetes, hæmorrhage from chord, Bright's disease, arterial sclerosis, gastric hæmorrhage, cerebral softening, angina pectoris, carbuncles, suffocation, gangrene, meningitis, anti-partum hæmorrhage, poliomyelitis, nephritis, general debility, fracture of skull, cerebral coma, carcinoma of brain, poisoning, dilatation of stomach, obstruction of bowels, anæsthetic, appendicitis, marasmus, cholinitis, cerebral thrombus, dropsy.

The deaths occurred between the following periods:

Under 1 year	31	From 40 to 50 years	11
From 1 to 5 years	5	" 50 " 60 "	8
" 5 " 10 "	3	" 60 " 70 "	14
" 10 " 20 "	5	" 70 " 80 "	21
" 20 " 30 "	14	" 80 " 90 "	17
" 30 " 40 "	6	90 years and over	4

COMMUNICABLE DISEASES.

Disease.	1917.					1918.					Totals.			
	Nov. 16.	December.	January.	February.	March.	April.	May.	June.	July.	August.		September.	October.	Nov. 15.
Measles.....	26	85	52	30	10	2	.....	3	5	.....	.....	.....	.....	213
Scabies.....	2	.....	.....	.....	2	1	.....	.....	.....	.....	.....	.....	.....	5
Erysipelas.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	2
Whooping Cough.....	.....	7	2	2	2	.....	1	.....	2	.....	.....	4	.....	20
Chickenpox.....	.....	6	7	2	2	1	.....	2	.....	1	.....	2	.....	23
Tuberculosis.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	3
Mumps.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	1	.....	3
Scarlet Fever.....	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	1	.....	3
Poliomyelitis.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
Typhoid Fever.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	2	1	2	6
Totals.....	29	99	62	35	16	5	3	6	8	1	2	10	3	279

Of the six cases of typhoid only one was contracted in the city; the others returned to the city suffering from the disease.

MILK SUPPLY.

The city milk is principally supplied by the Woodstock Dairy Company, but they have not an exclusive right; a few private parties take out licenses to sell, and all have to comply with the same standard as to butter-fat and cleanliness. The milk is tested monthly, and generally is up to standard (3.25) as to butter-fat. The Dairy milk is invariably free from sediment, but some of the individual vendors are not as careful as they should be.

SANITATION.

There are altogether too many out-door closets yet in use, though they are diminishing from year to year. I would suggest that the city by-law be amended by extending the area in which outside closets shall be prohibited, said area to include all streets supplied with sanitary sewers.

I thank the members of the Board for their active co-operation in carrying out the work of the Health Department.

Respectfully submitted.

ANDREW MACKAY,
Medical Officer of Health.

ADDENDUM.

Owing to the continuance of the influenza epidemic in a severe form, the Board recommends that influenza be put on the list of reportable diseases by the Provincial Board.

ANDREW MACKAY,
Medical Officer of Health.

AMHERSTBURG.

AMHERSTBURG, ONT., November 30th, 1918.

The Chairman Board of Health.

SIR.—I beg to submit my annual report for the year 1918. Early in the year the town council took under consideration the Bruner Mond Co. agreement to construct a filtration chlorinating plant. After many discussions, the Bruner Mond Co. proposition, to erect a plant to filter and supply the town, was presented to the electorate. The vote was taken on May 28th, and decided favourably. They immediately began the construction of the plant. The town has the new water mains almost finished, and in a short time Amherstburg will have a supply of pure filtered and chlorinated water second to none in the Province. We hope as a result to rid ourselves of the typhoid menace.

Inspections during the year were 198. Every person complied with the public health requirements. Contagious cases during the year were: 38 cases measles, no deaths; 59 cases typhoid, 3 deaths; 2 cases scarlet fever, no deaths. There was a sharp epidemic of influenza, some 380 cases, with 4 deaths, all the result of pneumonia complications.

Sanitary toilets have been installed in the public school, and I would ask the council to insist on the removal of all Hopper closets, and, on the streets having sewers, to have the property owners make the proper sanitary connections, as so many outside toilets are not kept as they should be, consequently drawing many flies and causing a decided nuisance. I would also suggest that a by-law be passed to prevent spitting on the sidewalks and in public halls.

It would be advisable to request the milk dealers to have their milk cows treated with the tuberculin test to make sure of the health of the herd and to ensure a pure supply of milk.

Respectfully submitted,

T. JAMES PARK.
M.O.H.

BARRIE.

BARRIE, November 15th, 1918.

To the Chairman and Members of the Board of Health, Barrie, Ont.

GENTLEMEN.—My report as Medical Officer of Health to your Board for the year 1918, ending November 15th, is as follows:

Births, 152; marriages, 50; deaths, 104.

Contagious diseases reported—Diphtheria, 1; scarlet fever, 1; measles, 6; typhoid fever, 1.

Deaths from contagious diseases—Tuberculosis, 6; influenza, 9.

Apart from the world-wide epidemic of influenza, our town has been comparatively free from contagious diseases. We experienced a large number of cases of the disease in October and the early part of November, with unfortunately nine deaths from pneumonia complication. No deaths among those of public school age, though many children had the disease. Your Board followed the course pursued by the larger centres and had a closure of all schools, churches, library, and places of amusement, during the height of the outbreak. We have to thank all the citizens for their ready compliance with our regulations. We availed ourselves of the offer of the Provincial Board to send instructors to train "volunteer aid nurses" to help in fighting the disease, and we wish to convey our thanks to all the ladies of the Soldiers' Aid, Red Cross Society and other patriotic associations for their splendid organization of the Sisters of Service. The work they did during the epidemic was invaluable, going into homes of all classes and administering to the wants of the sick. In the early period of the outbreak nurses from the Royal Victoria Hospital gave their assistance and were helpful to the volunteer nurses. Many cases were treated in the hospital; one-half of the entire space was allotted for their reception; private wards were converted into semi-private to utilize space. The infection did not spread to other patients, showing careful attention on the part of the superintendent and nurses. The report of your chairman will show the cost of the outbreak to the municipality. The activities of the Board have been greatly curtailed by the desire on their part to keep down expenditures.

Many much needed reforms were held back by the Board, such as milk pasteurization; a better system of handling bread and confectionery and the care of other articles of food, as fruit; a different system of garbage collection; construction of sedimentation tanks; construction of bath houses; extension of our sewer system.

thereby doing away with many objectionable cesspools, now serving so many houses. These and many other reforms should engage the attention of the new Board.

Your Inspector has brought in monthly reports of his work, which have been duly filed.

In conclusion, I have to thank the members of the Board and the Sanitary Inspector for their co-operation and assistance in my work during the year.

All of which is respectfully submitted.

A. T. LITTLE.

Medical Officer of Health.

BARRIE, ONT., February 13th, 1919.

To the Mayor and Council of the Town of Barrie.

GENTLEMEN.—I beg to present the report of the Medical Officer of Health for the year 1918. In doing so, I would say that the Board of Health has endeavoured to carry on its work as economically as possible. Several matters have been left in abeyance, which only a desire to keep down expenses at this time has caused us to leave over. Our expenditures to date amount to \$945.08, with a balance for salaries of \$126.67 to pay would make a total of \$1,071.75, which is comparatively below our estimates. This is especially gratifying, as we had a most serious epidemic of influenza, which might have cost us a very great deal but for the very patriotic and unselfish assistance rendered by the ladies of the Soldiers' Aid Society, the Women's Institute, Red Cross, and others, who assisted in nursing and supplying the needs of those who were afflicted.

While there has been a most regrettable loss of life, we feel that, in comparison with other places, we have been most fortunate. Your Board endeavoured early to meet the situation, and while our efforts may have seemed drastic at first, we believe the results have justified our efforts.

Outside of this outbreak, the town has been remarkably free from disease during the year, for which we have great cause for thankfulness.

All of which is respectfully submitted.

R. A. STEPHENS.

Chairman, Board of Health.

BROCKVILLE.

BROCKVILLE, December 16th, 1918.

GENTLEMEN.—I beg to transmit herewith the annual report of the Medical Officer of Health, Veterinary and Sanitary Inspectors and the Secretary of the Board.

Up to the time of the outbreak of Spanish influenza the infectious and contagious cases of diseases were few and conditions generally were normal.

At the inception of the Spanish influenza epidemic the Board, with the concurrence and approval of your honourable body, took very drastic measures to prevent the spread of this dread disease. The churches, schools and theatres were closed, and other gatherings, exceeding twenty-five in number, were forbidden, and this order was kept in force until the danger had practically subsided. The public generally cheerfully and loyally observed the order of the Board, although in some instances at personal loss and inconvenience. As a result of the precautionary measures the death percentage of this scourge has been comparatively small.

In this connection I wish also to place on record the Board's deep appreciation of the very valuable and practical assistance rendered by the ladies of the town in preparing and supplying food and other necessities to persons prostrated by this sickness, who along with the other members of their family would have been, at this critical period, wholly unable to cope with the disease except for the assistance so generously and unselfishly supplied by the ladies of Brockville.

It is a pleasure to note that although the price of milk is still advancing its purity and quality is beyond criticism.

The garbage system continues to give satisfaction, and the general health conditions of the town are good.

The birth rate exceeds the death rate by a considerable percentage.

All of which is respectfully submitted.

M. M. BROWN.

Chairman.

BROCKVILLE.

GENTLEMEN.—I beg to submit the following report for the year ending October 31st, 1918.

The number of births registered during the year were 246, of which 127 were males and 119 females.

The number of deaths registered as having occurred in this municipality was 245, of which number 56 were residents of other municipalities brought to the hospitals here for treatment, making 189 deaths of persons resident in Brockville. Of this number 97 were males and 92 females.

Of the total number of deaths 19 were still-born, 15 under one year of age, 14 between 1 and 5, 18 between 5 and 20, 52 between 20 and 40, 39 between 40 and 60, and 88 over 60 years of age.

The returns required by the Provincial Board have been regularly sent to the Department.

Your obedient servant,

GEO. K. DEWEY.
Secretary.

BROCKVILLE.

GENTLEMEN.—I beg to submit the following report for the year ending October 31st, 1918.

The number of contagious diseases reported at the office of the Secretary is as follows:—

Typhoid fever	4 cases
Diphtheria	10 "
Chickenpox	1 case

Quarantine was established when necessary and premises fumigated as required.

The collecting of garbage has been efficiently done during the year.

The butcher shops and bakeries have been inspected from time to time and found clean and sanitary.

Your obedient servant,

WM. BURKE.
Sanitary Inspector.

BROCKVILLE.

GENTLEMEN,—In submitting this my report, I beg to point out the excellent condition of the live stock in this district, and their freedom generally from anything of a contagious nature. During the year we have had one outbreak of hog cholera, but it was confined to one premises with the loss of five hogs.

The milk supply of the town has undergone some changes, in that a large proportion of the milk now supplied is sterilized and pasteurized at the plant of the Whyte Packing Company. The supply comes from farms within a considerable radius of the town. The herds, from which the milk supplied direct to the consumers is procured, are in good condition. The surroundings and appliances for handling are showing some improvement.

The meat supplied has shown no change since my last report. The bulk of the beef sold in the butcher shops comes from Toronto, and is slaughtered under Federal Government inspection. The lighter carcasses are mostly supplied from the surrounding country. The slaughter houses in the vicinity of Brockville are very little used. They are equipped for carrying out the provisions of the by-laws of the town relative thereto.

There has been few complaints during the year as to the offering of meats and fowl on the local market.

Respectfully submitted,

D. McALPINE.
Veterinary Inspector.

BROCKVILLE.

GENTLEMEN,—In this my annual report I am pleased to state that we have been particularly fortunate, as very few cases of infectious diseases have been reported, with very few deaths, until the unfortunate epidemic of influenza, beginning in October.

The cases reported are:—

Varicella—One case; no deaths.

Typhoid fever—Four cases; one death.

Diphtheria—Ten cases; one death.

Tuberculosis—Sixteen deaths.

Influenza—Forty-two deaths (out of town, 8 cases).

By this report it may be seen that our town during the past year has been particularly free from diseases of an infectious nature, and had it not been for the influenza outbreak, it would have been our banner year.

The quality of milk furnished has been good, but the number of vendors much less than in previous years, and a greater quantity is now pasteurized. The number of examinations has not been as great, as the room provided by this Board for examinations has been given to the regiment stationed here as a club-room.

The town has been kept particularly clean, and the garbage very efficiently collected. The public grounds for disposal of refuse is especially well kept, but that done by private collectors has been in most cases in a slovenly manner, and is particularly hard to control.

The sewer system has been extended and sewer connections have been made wherever possible.

The weeds on the streets have not been kept as well as usual and hence more difficulty has been experienced in keeping private yards tidy.

Respectfully submitted,

A. J. MACAULEY.

M.O.H.

BURLINGTON.

Medical Health Officer's Report, Town of Burlington, 1918.

I herewith present the annual report of the Board of Health for the year 1918.

We have had a year very free from contagious diseases, there being reported only six cases of scarlet fever, three cases of measles, two cases of diphtheria and typhoid fever. Only four cases of venereal disease have been reported to the M. O. H.; others may have had it, but have gone out of town for treatment.

As regards nuisances, each nuisance has been promptly investigated by either the Sanitary Inspector or M. O. H., and a satisfactory adjustment made. An inspection of the premises of the several milk vendors supplying milk to the town was made, four in number. Three of them were in first-class condition, the other promising to have milk-house built and stable whitewashed to conform to the requirements of the milk by-law.

The milk supplied to the town is distributed by one milk vendor, nearly all milk supplied being pasteurized. Frequent analysis of the milk has been made for butter fat, and on one or two occasions it has tested low, but we have endeavoured to keep it up to the standard.

The water supply has been regularly tested throughout the year, and not at any time has anything been found of a serious nature.

An attempt was made early in the year to introduce a garbage by-law, but met with poor success.

Altogether we have had a year free from any contagious diseases of a serious nature.

A. H. SPEERS,

M.O.H.

CORNWALL.

REPORT OF THE MEDICAL HEALTH OFFICER, TOWN OF CORNWALL, FOR THE YEAR ENDING NOVEMBER 15TH, 1918.

To the Chairman and Members of the Local Board of Health:

GENTLEMEN,—I beg to submit to you the annual report of the Medical Health Officer of the town of Cornwall for the year ending November 15th, 1918.

I regret to say that the past year has been a very severe one upon the people of the town, from a health point of view. In the early months of the year we were visited by smallpox, which lasted some eight or ten weeks, but fortunately was attended with no fatal cases. Not having an Isolation Hospital, it was necessary to isolate the people

in the houses in which we found the cases, and although a somewhat difficult task, we succeeded in confining the disease to the houses in which it originated.

During the year there were reported to me the following cases:—

Scarlet fever	8 cases.
Smallpox	8 "
Diphtheria	9 "
Typhoid fever	10 "
Tuberculosis	12 "
Measles	2 "
Mumps	6 "

I am not prepared to say that these figures are correct, as I am confident many cases were suppressed and not reported to me, nor was any medical attendant called in, and in this manner they escaped the health officer.

As usual, the town was regularly inspected at different periods of the year by two very faithful, painstaking Sanitary Inspectors. A milk inspection was more rigidly carried out this year than formerly, and a system of protection by covering foods and fruits exposed for sale, was also carried out. The water system of the town was analyzed, and the water found good and wholesome. The sewerage in the town has also been extended, and in one instance a sewer was rebuilt for the purpose of giving proper drainage to that portion of the town formerly not properly provided for.

In the latter part of the month of September the town was visited by a severe epidemic of influenza, accompanied in many cases by pneumonia, which resulted in the death of 79 persons in the month of October.

During the month of October there were 100 deaths recorded at the Town Hall—79 of influenza, followed by pneumonia; 3 of phthisis; 1 of surgical shock; 3 of cerebral hemorrhage; 1 of septic poisoning; 5 still-born; 1 abscess of larynx; 2 cancer; 3 old age; 1 cardiac syncope; 1 meningitis.

It is fair to say that out of the 79 cases reported at the registration office, many were persons who came from outside of the municipality of the town and who died in our hospitals.

The number of deaths for the year were as follows:—

1st quarter ending March 31st	35 deaths.
2nd quarter ending June 30th	41 "
3rd quarter ending September 30th	38 "
September 30th to October 31st	100 "

During the epidemic of influenza the Board of Health held several meetings, and it was decided that all public places should be closed to prevent, as far as possible, the gathering of crowds. The schools closed of their own accord, and by the request of the Medical Health Officer, the theatres and pool-rooms were closed, and also the churches.

About November 11th the condition of the town seemed to warrant the opening of the different schools, as well as the churches and the other places which had been closed, and I am glad to report at this date that the condition of the town is satisfactory, and that the epidemic has practically ceased to exist. It is quite probable that isolated cases of influenza, followed by pneumonia, may take place for the next few months, as such is usual after a severe epidemic of this kind.

Otherwise, the town is in a good and sanitary condition.

All of which is respectfully submitted.

C. J. HAMILTON,

Medical Officer of Health.

Cornwall, Ont., November 15th, 1918.

FORD CITY.

ANNUAL REPORT OF THE BOARD OF HEALTH, 1918.

The year 1918 will surely register in the annals of our municipality a very important point in hygienic matters. In fact, it is admitted by everybody that the development of our town is lingering, due to our lack of accommodation, more particularly our inadequate sewerage system. We have now to deal with a definite plan of sewerage, with full permit from proper Provincial and Federal authorities, and already under construction.

We sincerely hope that the residents of this municipality will realize the necessity of such an expense incurred entirely for the betterment of the community, and which will contribute largely in bringing about a new era of prosperity within our limits.

SCHOOLS.—Our schools have been, twice during the year, invaded by undesirable visitors, such as diphtheria and influenza germs. Such hosts demonstrate the importance of the regular school nurse inspection. In fact, in both instances, proper measures having been taken immediately, the children were protected against serious complications.

MEAT SHOPS AND RESTAURANTS.—The Local Board is thankful to the efficient aid it has obtained, during periods of epidemics or otherwise, through the experience of Dr. A. E. Bowman, of Windsor, whose knowledge of bacteriology and public health matters is deeply appreciated. Milk and meat inspections have been carefully gone through, and all etables found improper for domestic consumption condemned.

CONCLUSION.—Finally, the prospect of a centralized Board of Health, including all the border municipalities, operated under one heading, in order to establish uniform regulations, proper accommodations for contagious diseases and unanimity on public health questions, would contribute largely to the welfare of our prosperous industrial district, which will need in the future a very competent health organization.

DAMIEN ST. PIERRE.
M. O. H.

N.B.—Influenza, which has made so many victims all over the country, has not forgotten us. We have had so far about 350 cases, with 5 deaths.

Number of communicable diseases for the year ending Novembr 30th, 1918:—

Diphtheria	18
Measles	3
Whooping cough	3
Typhoid fever	3
Tuberculosis	1

FORT FRANCES.

The Local Board of Health presents herewith its report for the year 1918: Generally speaking, the health of the community during the past year—outside of the influenza epidemic—has been good.

The comparative statistics for the years 1917 and 1918 are as follows:

Births.

	Males.	Females.	Marriages.	Deaths.
1917	54	47	38	35
1918	58	49	28	51

The number of deaths due to influenza in 1918 was sixteen, this being the exact number by which the deaths in 1918 exceeded the deaths in 1917. The number of deaths from tuberculosis in one form or another was three in each year.

Outside the influenza epidemic the number of contagious diseases reported was very small.

Detailed reports are attached hereto.

VITAL STATISTICS, 1918.

Births.

Males	58
Females	49
Total	107

Marriages.

Total	28
-------------	----

Deaths.

Prematurity	2
Still-born	8
Child-birth	1
Malnutrition	1

DEATHS.—*Continued.*

Convulsions	1
Acute indigestion	1
Cancer	3
Tuberculosis	3
Apoplexy	1
Heart failure	4
Meningitis	2
Old age	1
Diarrhœa	1
Hardening arteries	1
Ulcer of stomach	1
Accident	2
Pneumonia	2
Pneumonia and influenza	16
Total	51

	Jan.	Feb.	Mar.	Apr.	Oct.	Nov.	Dec.
Measles	1	1	1	..	1	..	..
Mumps .....	..	..	1	1	..	..	..
Typhoid .....	..	..	..	..	3	..	..
Influenza .....	..	..	..	..	40 (200)	..	..

According to reports made to the Secretary of the Local Board of Health, the number of contagious diseases in the municipality during the year 1918 was very few and the spread of same was not noticeable.

THE INFLUENZA EPIDEMIC.

Judging by newspaper reports and hearsay, other places suffered from this epidemic more severely than this municipality. Although it is impossible to estimate exactly, it is probable that during the last three months of the year the number of cases in the town would be from 200 to 250. The number of deaths reported from this cause was sixteen. To those who have watched the course of this disease it is quite apparent that when nursing and proper care were provided the patient had every chance of recovery. In most of the cases where death occurred, especially at first, there was generally some cause in addition to the epidemic that lessened the chance of recovery. In this connection the Board wishes to express its appreciation of the action of the Council in establishing and maintaining the Emergency Hospital. There can be no doubt this action did great good, not only in saving lives, but also in diminishing suffering and controlling the spread of the disease.

MILK TESTS.

During the year a number of milk tests were made. As a rule the test of milk for butter fat was satisfactory. In regard to cleanliness, however, the first test proved that there was something radically wrong in the manner of handling milk. The results of these tests were made public and a very marked improvement was observed in respect of cleanliness almost immediately.

On August 15th the District Officer of Health, Dr. W. E. George, visited the town, and this was one of the chief matters that received his attention. The District Officer of Health was particularly strong in his condemnation of the "one-cow dairy." There has, however, been so much difficulty obtaining milk that the Board has felt that it could not be too stringent in this matter. The matter of milk supply is one of the difficult questions still to be settled.

DEFERRED BUSINESS.

The following matters should receive the attention of next year's board:—
 Installing of sewer and water in all houses which are on the mains.
 Regular inspection of stables.
 Regular milk tests from all who sell milk.
 Regular water tests.
 Inspection of houses to prevent overcrowding.

All of which is respectfully submitted.

J. W. WALKER,
Secretary.
 R. MOORE, M.D.,
M.O.H.

GUELPH TOWNSHIP.

GENTLEMEN,—I beg leave to submit the following report of the health of the people of Guelph township for the current year.

Again we have been fortunate in escaping epidemics of the more common infectious diseases, such as diphtheria, scarlet fever, measles, etc., but we have had isolated cases of these troubles, especially near the city. With strict attention to quarantine and thorough disinfection, the diseases spread no farther. We would again respectfully ask all medical men practising in the township to promptly notify the Board of Health of any infectious cases they may attend, so that the necessary precautions may be taken to prevent its spread. Prevention is better than cure.

Guelph Township, like most parts of the world, was afflicted with that terrible scourge, the Spanish "Flu," but while more populous centres were sorely stricken, and a great many deaths were recorded, we cannot say that any deaths in the township, outside of St. Joseph's Hospital, were directly due to it. All the schools in the township were closed for a time, some by necessity, as the teachers had the disease. Your Medical Officer of Health and Sanitary Inspector visited all the schools in the township previous to the opening of the fall term, with the object of seeing what preparation the trustees had made for the reception of the scholars; to inspect the school building, the wells and outbuildings. The report of this visit was not sent to the Chairman of each Board of Trustees, but they were all invited to attend a meeting at the Council rooms, which they did, and a free discussion took place concerning the care and upkeep of the school buildings and grounds. Professor Tomlinson, of the Ontario Agricultural College was present and gave an interesting talk on tree planting and the adorning of country schools, which we are persuaded will result in much good.

Conditions at the sewage disposal plant are much the same as last year—rather worse than better. The sewer beds are totally inadequate to filter the amount of sewage going on to them, consequently much untreated sewage goes directly into the River Speed. Every year the city is extending its mains and thus increasing the amount of sewage, without making an adequate increase in the filtering capacity.

All of which is respectfully submitted.

H. G. ROBERTS,
M.O.H., Guelph Township.

To the Municipal Council of the Township of Guelph.

GENTLEMEN,—Your local Board of Health beg leave to report for the year 1918 as follows:

Nothing of a very alarming nature has transpired during the year, except the outbreak of the "Flu," which has been world-wide and thoroughly epidemic in its character and very fatal in its results.

During the month of October, the vital statistics for which have not been included in this report, the death rate has been high. The general health of the Township has been fully reported on by Dr. Roberts, M.O.H., and Sanitary Inspector William Young.

Vital statistics for the year 1918 are as follows: Births, 53 male and 59 female, a total of 112, of whom 78 were born in St. Joseph's Hospital and 34 in homes in the township. Deaths, 73, 39 male and 34 female—52 in St. Joseph's hospital and 21 in homes in the township. Three deaths were from tuberculosis; 2 diphtheria; 2 cancer; 1 meningitis and 1 typhoid. Five of the births were still-born. The deaths by ages were: 11 under one year, including those still-born; 7 under ten years; 3 under 20 years; 5 under 30 years; 4 under 40 years; 5 under 50 years; 9 under 60 years; 7 under 70 years; 15 under 80 years; 6 under 90 years; 1 between 90 and 100 years.

We would recommend payment of the following amounts:

Dr. Roberts, M.O.H.	\$60 00
William Young, Sanitary Inspector	60 00
George McIntosh, member of Board	14 00
William Jackson, member of Board	14 00
James Laidlaw, member of Board	14 00
Nicol Jeffrey, legal advice	15 00
Alex. Stewart, disinfectants	31 50
William Young, exp. disinfecting	9 00

All of which is respectfully submitted.

GEORGE MCINTOSH,
Chairman

HESPELER.

GENTLEMEN.—As Medical Officer of Health I beg to report as follows for the last half year:

Up till November the town had a clean bill as far as epidemics or contagious diseases are concerned. In November we had the universal epidemic of Spanish influenza. Fortunately only a few deaths occurred. The ban was early placed on schools, churches and public gatherings. An emergency hospital was instituted by the Board and a committee of citizens, report of which I herewith append.

The sanitary conditions and drinking water is in a sanitary condition. A semi-annual inspection being made by the inspector. A Babcock milk and cream tester has been installed and an improvement in the supply will no doubt follow.

M. C. BLACK,
M.O.H.

KEEWATIN.

GENTLEMEN.—In compliance with the requirements of the Public Health Act I hereby submit to you my annual report for the year 1918., which is brief, from the fact that the seriousness of the present epidemic has overshadowed all ordinary topics on health and sanitation.

During the year there were thirteen deaths, as follows: One from consumption; two from Bright's disease; two from cancer; one from pneumonia following measles; three from pneumonia following or complicating influenza; one from heart failure; one from broncho pneumonia (infant); one from infantile cachexia (age 3 hours); one from accident.

The case of phthisis was one in which the prominent symptoms were of two years' duration, and care was taken throughout the course of the disease to prevent the spread of infection.

One case of Bright's disease occurred during pregnancy, death occurring some time after parturition.

The other case was a child of twelve years, the case being well advanced before discovered.

The case of pneumonia following measles occurred in a Galician family. The child had been very weak and poorly nourished from birth, and death occurred at the age of six months.

In the cases of pneumonia occurring with influenza, two of them did not follow the attack of influenza, but complicated it; the pneumonia being the chief feature of illness from the outset.

Among the deaths recorded we found the names of three infants, two resulting from broncho-pneumonia and one from infantile weakness, the latter dying three hours after birth.

The only epidemic other than the present one was one of infantile paralysis that occurred in the months of May and June, four cases in all, three girls and a boy, all under the age of ten years.

Absolute recovery occurred in three cases, and a slight weakness and subsequent lack of development in the affected limb occurred in the other.

It was made mention of at the Provincial Health Officers' annual meeting, held in Hamilton, Ont., in May, and the results were thought to be most unusual, considering the serious character of the disease, and the paralysis that almost invariably follows.

We have had no typhoid to report during the year. In regard to the epidemic of influenza I have little to say, probably because we know so little about it other than from the experience in dealing with it since the outbreak.

Probably we have an apology to make for negligence, as to what we did do in the way of preparation to meet the conditions incident to the pest? Nothing. We knew it was coming, but like many other things of this kind, waited until we heard the bushes crackle, and when the blow came, it was like the eruption of a volcano, notwithstanding the knowledge we had through the medium of the newspapers, of its ravages in eastern cities, and the articles that appeared in all newspapers regarding the prevention symptoms and treatment of the disease. However, when we consider what might have been, and what did really occur, questions naturally arise. Would it have been possible for the municipality, had they wished to take affected persons from homes and isolated them for treatment, to have erected a hospital or prepared a place adequate for the accommodation of all persons affected with the disease when it was at its worst? I think not. That was the time when work counted, and not calculation. I think one may rightly compare the situation to the Battle of the Marne.

Also of the persons in our municipality who lost their lives from the disease, was it because they did not get proper treatment either in home or hospital? This may have been true of other places, but I don't think the same could be said of this municipality. We must admit that while the disease was at its height patients did not get the same attention they would have received under normal conditions, but as a matter of fact in many places where conditions seemed most deplorable all went well. Many things could have been done that were not done, but under other such conditions would results have been better?

All of which is respectfully submitted.

E. BAKER, *M.H.O.*

MIDLAND.

T. J. Johnston, Esq., M.D., M.O.H.
 H. R. McGill, Esq., M.D.
 W. A. Glass, Esq.
 W. J. Thorburn, Esq.
 D. L. White, Esq., Mayor.

May 2nd. A meeting was held, and, on motion of Messrs. Glass and Thorburn, H. R. McGill was appointed Chairman.

A discussion occurred as to ways and means for a general cleaning up of the town. May 9th. Newspaper advertisements and posters were issued advising and instructing citizens to clean up their premises.

Oct. 12th. The Board discussed the Spanish Influenza epidemic and ways of combating it.

Oct. 15th. The Board prohibited all public meetings and ordered all public places closed until October 26th. This prohibition was continued until November 10th, when churches were permitted to hold services, and other prohibited places allowed to open on 11th.

Oct. 18th. The Regent Street School was opened as an Emergency Hospital, and kept open until November 7th. Sixty-six patients were treated, with a total of 354 days' attendance, and 18 patients died from influenza and pneumonia, a recovery of 73%.

The Provincial Board of Health supplied a number of students who did excellent work in the Emergency Hospital and with the resident town practitioners.

W. H. Russell had charge of the Emergency Hospital and was paid \$15.00 per day. J. D. Kinsman, G. O. Macdonald, and Guy Hanley were paid \$10.00 per day, and their work was much appreciated.

A Distribution Kitchen was opened to supply patients in their own homes with necessary food that they were unable to prepare for themselves. Many citizens co-operated, and nearly 500 families were supplied at a cost of \$231.42.

Nov. 25th. Board met and ordered accounts of \$2,431.42 paid.

The whole cost of the Emergency Hospital and other expense connected with the epidemic was \$2,500. The number of deaths in the municipality caused by the epidemic was 74 from the 8th October to the 23rd November. After that date there were not many cases and few deaths.

Dec. 19th. The Board met and discussed the recurrence of the disease, and decided not to take any action, as there were few cases, and those well controlled by the doctors in charge.

T. J. JOHNSTON.

M.O.H.

MOUNT FOREST.

GENTLEMEN.—The Local Board of Health for the Town of Mount Forest beg leave to report on matters affecting the health of the town for the year 1918.

The total number of deaths in the town for 1918 to date were 25.

12 over sixty years of age.

7 over thirty years of age.

3 under one year.

3 between 30 and 20 years of age.

The rules and regulations of the Board have been fairly well respected during the year.

The citizens generally seemed well disposed and willing to keep their premises clean. There has been very few cases of contagious disease in town during the year.

We have had the water properly inspected, and also the milk, all of which has given general satisfaction to the ratepayers: in fact, we have had very few complaints, considering the amount of sickness there has been in the town from influenza, etc.

WM. NICHOL.

Chairman Mt. Forest Local Board of Health.

NORTH BAY.

To the Chairman and Members of Board of Health.

GENTLEMEN.—Permit me to submit my sixth annual report as Medical Officer of Health of the Municipality.

The number of communicable diseases reported this year was 41, as against 72 in 1917 and 112 in 1916, a very marked reduction. Influenza is not a reportable disease, and so had no definite knowledge as to the number of cases. However, I will deal with this more fully later in the report. These cases were apportioned as follows:

			1917
Measles	15 cases	0 deaths	19 cases
Scarlet fever	5 "	2 "	0 "
Diphtheria	10 "	0 "	35 "
Typhoid fever	5 "	0 "	3 "
Tuberculosis	1 "	1 "	5 "
German measles	1 "	0 "	6 "
Chicken-pox	4 "	0 "	4 "
	<hr/>	<hr/>	<hr/>
	41 "	3 "	72 "

Vital Statistics to December.—

	1917
There were: Deaths, 165 (males 87, females 74).	163
Births, 343 (males 150, females 193).	332
Marriages, 50.	91
Population, 9,500.	....

The deaths mostly took place in October and November, being 76, or 45% of the total number. There were 15 Still-births, Pneumonia 61, Heart disease 16, Accidental deaths 7, D diarrhoea and Enteritis 25, other variable causes 37.

Communicable Diseases.—There was a very material reduction in the number of such during the year, registering 41, as against 72 in 1917. This is a very satisfactory state of affairs, as we practically had no epidemic this year, apart from the influenza outbreak, which was non-reportable. The *Measles* cases were isolated, sporadic cases which came from outside sources, or from Toronto or other places where we knew they were exposed.

Scarlet Fever existed in a similar way, and practically all in one family. The two cases that died were of a very malignant type, the children rapidly succumbing to the disease. The disease was traceable to outside sources.

Typhoid Fever.—These cases were brought in from outside, and some of them treated in the local hospital.

Diphtheria.—Ten cases existed, as against 35 last year, and were scattered throughout the year and did not occur in groups or epidemic. There were no deaths.

Tuberculosis.—But one case was reported to us, and it would appear that the law is not being observed as it should. One death occurred, and it was not the case reported, as she was removed to Montreal by her husband on my advice. At the same time, there is a gain here as against five cases reported in 1917, and seven in 1916.

Influenza Epidemic.—During October and November, the influenza pandemic, which has been sweeping over the civilized world, reached our town. This so-called "Spanish Flu," from the belief that it first began in Spain and spread from there into the armies of the Central Powers and the Allies as well, rapidly spread all over Europe and soon reached America by transports and caused a loss of 350,000 lives in the United States since September 15th. In Ontario the statistics are very incomplete and, based from undertakers' returns, show 3,105 deaths were reported during the month of October and 2,608 in November, or 5,623 for the two months. The disease rapidly spread in our town, and with the numerous cases coming in from the lumber camps and surrounding country, the local hospital was quickly filled to capacity and necessitated

the local Board of Health taking action. Special meetings were convened and a resolution passed closing the schools, theatres, churches, pool-rooms, as well as arranging for further hospital accommodation. The Elks Club Rooms were offered and gladly accepted and equipped with beds, but in a few days these were exhausted and necessitated our getting larger quarters. This was solved by the generous disposal of the Club Rooms of the Knights of Columbus. Here some twenty-five beds were filled and met the pressing situation. In this connection I should like to bear testimony to the splendid response made by the ladies of the town to the call for help in nursing the patients. The ex-graduate nurses stepped into the breach and, ably assisted by volunteer workers, handled the situation with energy, efficiency and ability. Only one graduate nurse was paid, the night superior, all others giving their services gratuitously. Many lives were undoubtedly saved through the instituting of the Emergency Hospital.

There were at least 300 to 500 cases of influenza during the epidemic, an exceedingly small number as compared with other towns and cities. We had 52 deaths during October and November, of which 17 were cases brought in from outside points for treatment, leaving 35 deaths in a population of nearly 10,000, which was an extremely good result, when it is compared with the general result for the Province. We anticipate that cases of this disease will be forthcoming throughout the year, as the unexposed population come in contact with convalescents, carriers, or people sickening with the disease. At the same time we do not look for an epidemic such as we have passed through. The inoculation with vaccine supplied by the Provincial Laboratories assisted in immunizing a good many people, and undoubtedly assisted in preventing the spread of the disease. My own personal observation bore out the fact of its value, for I saw practically no cases occurring among those who had been sufficiently inoculated.

Water.—The water supply has been checked up regularly by samples being taken monthly and sent to the Provincial Laboratory for analysis. During the earlier months of the year these samples were satisfactory, but beginning with April samples of the water showed contamination with bacteria of intestinal origin in varying amounts; even the September specimen showed infection in as small amounts as 5 c.c., and once as low as 1 c.c. Our November samples, however, were entirely satisfactory. Constant, frequent samplings are necessary to bacteriological control. It is evident that no typhoid carriers have been around, or we would have had an epidemic. The destruction of the Pump House by fire brought up the question of its removal to a more suitable site, and the Town Engineer's report in this matter was a very thorough and painstaking document. The Council were wise in repairing the old building and equipping it with the necessary turbines and machinery, in view of the war situation at that time and the very prohibitive cost. Its removal to the site was a wise procedure, however, from the point of view of a pure water supply.

Sewers.—Very little work was done this year, save some lateral extensions and the completion of the trunk sewer to Sherbrooke and Worthington Streets. The extension of this system to the Wallace Park district, as outlined in previous reports, we hope will be undertaken next year or at some future date. Authorization of lateral extensions of the present system on Bloem and McIntyre West Streets were made.

The removal of night soil has been regularly carried out by the present contractor, Mr. Vachon. There have been many complaints during the season as to the service, but they were readily and cheerfully attended to. The disposal of the excreta into the town's sewers has been carried out during the year when it was possible. This has removed all sources of complaint from Widdifield residents and Council, and has proved a most excellent sanitary measure, as it has removed an open source of fly infection, which, so long as it remained, gave us constant cause for concern. The local dump has been watched carefully by our scavenger drivers, and a continuous fire has been maintained there. Yet this still remains a problem that can only be solved by a modern incinerator, which we have previously drawn to the attention of preceding Councils.

Milk and Dairy Inspection.—We have had the plants of the producers and vendors inspected and samples taken, examined for butter fat and dirt by the sedimentation test. All were passed as to cream content, but the samples contained a variable amount of dirt from time to time. The price of milk was advanced to fifteen cents a quart, and we feel such a price warrants a clean article. The great scarcity of supply, however, and the difficulty the producers have in getting adequate labour, has induced us to a greater degree of leniency than in pre-war times. The full enforcement of the by-law would have worked hardships on both producer and consumer. Pasteurization is the next best thing, and I am convinced that this should be done in the interest of the conservation of child life. A recognized authority stated at the Hamilton Convention of Health Officers and Public Health Workers this spring, that 25% of the tuberculosis in children under five years of age was due to milk, which is absolutely

preventable. At the present time about 40% of our milk supply is pasteurized, and no great hardships would be entailed to compel the balance to be similarly treated and made safe for children, who are so susceptible to tuberculosis of bovine origin.

Applications for license were received from 21 parties and granted to the following:

G. C. Smyth, No. 50, North Bay.
 J. Sabourin, No. 51, Widdifield.
 D. McBeth, No. 52, Widdifield.
 J. Hogan, No. 53, Powassan.
 Mrs. R. Leach, No. 54, Widdifield.
 W. F. Clark, No. 55, Powassan.
 E. Eloy, No. 56, Widdifield.
 J. K. Purdon, No. 57, Powassan.
 J. B. Leach, No. 58, R R No. 1, Verner.
 L. Besserer, No. 59, Widdifield.
 C. Johnston, No. 60, North Bay.
 F. E. Longhurst, No. 61, Widdifield.
 Jno. Perry, No. 62, Ferris.
 Geo. Thorne, No. 63, Widdifield.
 Mrs. W. Howse, No. 64, North Bay.
 T. A. Bebee, No. 65, Ferris.
 Mrs. S. Simms, 66 North Bay.
 Mrs. H. Stevenson, No. 67, North Bay.

Public Health Nursing should be taken up by the Board next year. By this we mean that a full-time graduate nurse trained in Public Health work should be employed. Her business would be in visiting the schools and assisting the teachers in matters of hygiene, ventilation and the inspection of the children, in so far as she is qualified, for communicable diseases, infections and the material assistance she would be in epidemics in preventing its spread, etc. The child-welfare department presents a large field for her activities. The conservation of child life cannot be over estimated in importance to this country and the British nation, since the enormous and excessive losses due to the war, which must be replaced by the greater safeguarding of the child. The health nurse, by regular visiting and giving advice in the care, feeding and handling of children, the calling in of the family physician early and in ample time, will surely save many lives which would otherwise pass off the scene of action, martyrs to ignorance and wilful neglect. Too many children are lost because of ignorance and procrastination. They leave the child so long that a physician is called in only in time to certify to cause of death, whereas a Public Health Nurse would visit these homes shortly after the birth of the child and by advice and supervision from time to time prevent the mother from neglecting the babe, as well as giving it foods and drugs which can only do the child harm. We believe this would be an investment to our town and country which would pay enormous dividends, and we bespeak to the Town Council of 1919 the hearty endorsement of this proposal.

Conclusion.—The work of the Board this year has been conscientiously looked after by the members, all endeavouring to take a live interest in the matters brought before them. During the year Mr. Tandy, a member of the Board, was made Sanitary Inspector, his previous experience on the Board naturally assisting him in carrying out his duties. He has proved efficient, active and painstaking in his duties, and has materially assisted myself in enforcing the regulations and effecting quarantine whenever needed. Mr. A. R. White, Provincial Sanitary Inspector, and Dr. W. E. George, District Medical Officer, have co-operated with us and advised with us as occasion demanded.

All of which is respectfully submitted.

Yours truly,

EDGAR BRANDON,
Medical Officer of Health.

NORTH BAY, ONT., December 10th, 1918^{*}

To the Chairman and Members, Board of Health, North Bay, Ont.

GENTLEMEN,—I herewith submit report as Acting Secretary of the Board of Health for 1918:

The following gentlemen constituted the Board of Health at the beginning of the year: A. Tandy, J. Fallon, T. Wallace, Mayor Patton, and Dr. E. Brandon, M.O.H. In

June, the Sanitary Inspector, T. Whitehead, resigned, and A. Tandy was appointed to this position. As Mr. Tandy was acting as chairman, this created a vacancy which was filled by Mr. Thos. Wallace.

Fifteen meetings of the Board were called, six of these meetings being special meetings called to consider ways and means of combating with the influenza epidemic.

SEWERS.

This has not been a very busy year for the construction of sewers. A continuation of the 30-inch trunk sewer of 97 feet has been completed on Sherbrooke Street, which will greatly relieve the situation arising from nuisances from overloaded sewers in that part of the town.

A length of 10-inch sanitary sewer, 435 feet, has been constructed on Third Avenue, from Cassells to Fraser Street. The Council are also taking over a section of sanitary sewer on Worthington Street, from Sherbrooke to Fisher Street; and have asked for and obtained the necessary approval for the construction of the sanitary sewer on Bloom Street, which, when constructed, will relieve a most unsanitary condition existing there.

Much yet remains to be done in the construction of sanitary sewers, the most important of which will be placed before the Council as occasion demands.

PLUMBING.

Very few applications for plumbing work have been received this year. Thirteen in all applied, and permits granted, as work was in accordance with by-law. The work was duly inspected and carried out in a satisfactory manner. My estimate of the cost of the work done is \$6,000.00.

COMMUNICABLE DISEASES.

Very few cases of communicable diseases have been reported this year, the number being the lowest on record for some years, outside of the epidemic of influenza, which visited us in October and November, but which now appears to be dying out, as very few cases are being reported. No doubt the Medical Health Officer will have a full report regarding this epidemic.

The number of communicable diseases reported during the year is as follows:

Measles	15 cases	0 deaths
Scarlet fever	4 "	2 "
Diphtheria	5 "	0 "
Chicken-pox	3 "	0 "
Tuberculosis	1 "	1 "
Typhoid fever	4 "	0 "

all of which were duly quarantined, and premises disinfected when released.

GARBAGE SYSTEM.

Our equipment of one team of horses and large wagon, which operates under the Scavenger By-law, makes collections of garbage and ashes from stores and private residences when required. A charge is made for collection on a monthly basis, the charge ranging from 70 cents per month for private residences to \$5.50 per month for hotels, the number of customers on the books at present being 129. In addition, barrels or cans of garbage are collected at a charge of 25 cents; the whole would produce a revenue of \$1,800.00.

In addition to this, the team collects the sweepings from streets, garbage from fire hall, manure from stables at fire hall and market, and deposits ashes from blocks, etc., on streets at the direction of the Town Engineer.

The present method of collection does not appear to be a satisfactory one, as there are a large number of houses who only get an occasional collection, and the fact remains there must be some garbage or refuse that should be taken away. It appears to me that the best way of taking care of this part of the system would be to have the scavenger work covered by the taxes. We would then be in a position to clean up when and where it would be required.

The dumping ground has been visited on several occasions, and is in fairly good shape, considering our present system, there being a number of persons who have their garbage taken to the dump by carters, who do not go to the trouble of depositing same at the proper place, but drop it indiscriminately over the ground. If the town collected the whole, this would be obviated.

NIGHT SOIL COLLECTION.

This work is operated on a contract basis, and is let to Mr. J. Vachon, who holds a contract for one year from May, 1918, to April, 1919, at a cost to the town of \$260.00 per month, which is an increase of \$5.00 per month over last year. Ten per cent. is deducted for the first three months, and five per cent. for the balance of the year, as a guarantee of fulfilment of the contract, said holdback to be paid when contract expires.

Between the first day of April and the first day of December, the night soil is disposed of by emptying into sewer manhole on Regina Street, and the balance of the year by taking it to the town dumping ground.

There are some 800 outside closets yet in the town, and, according to contract, the collection from these should be twice monthly, or oftener should occasion require it. In addition to this, the contractor has to collect night soil from Trout Lake once every three weeks, under an agreement entered into by the Town and the Township of Widdfield.

We have had far too many complaints regarding the service this year. Quite a few have had reasonable cause for complaint; others, on investigation, have not just cause, as, in the case of large families, two pails should be provided. However, I must credit the contractor with giving attention to the complaints as soon as possible after report.

I would recommend that all cans be of one standard size for the future; this will make it easier for the exchange of cans when emptying in winter. A considerable number of pails will be out of commission this winter, and it will be necessary to purchase at least 250 new cans to replace those worn out.

WATER SUPPLY.

We have had very little trouble with our water supply, as far as the analysis is concerned. Samples have been sent to Toronto monthly for examination, and, with the exception of the month of September, the analysis was normal. The samples taken in September contained colon bacteria.

DAIRIES.

The usual visits to dairies have been made, and several improvements in conditions have resulted, but owing to the shortage of labour on farms, etc., the Board has not taken any drastic measures this year, but has had due regard to the manner and cleanliness in which the milk supply is handed to the consumer, it being as sanitary as possible.

The tests made for butter fat and sediment show that, while the sediment test is fairly comparable with former years, there is a lower average for butter fat, no doubt due to the higher cost of feed, etc.

MEAT MARKET.

Since taking up my duties, the market has been visited on every market day. The quality of the produce offered for sale has been, generally speaking, fair to good. On quite a few occasions the meat market has been overcrowded with farmers selling meat, leaving very little room for customers. It is very certain that present conditions will have to be altered, as the practice of customers handling the meat before purchase will have to be stopped, and, if the market is to remain, larger premises will have to be secured, so that the meat can be handled in a sanitary manner. My suggestion for the guards to prevent the handling of meat was not carried out by the Council.

A rough summary of the work performed by myself would be: Plumbing inspections 26; served 150 notices; adjusted 100 complaints; received and answered 50 letters; made two personal visits with garbage men to check up service. Fixed all accounts in ledger, made out and posted up 400 accounts, and collected some \$700 from customers. Made records of all complaints received; recorded Vachon's reports from commencement of year.

In conclusion, it is my wish to thank the Board and the members of the Council for their liberal support during the period of my service. I am also grateful to the Provincial officers, Dr. George and Mr. Alex. White, for the practical help rendered me in the discharge of my duties.

Yours truly,

ALFRED TANDY.

Acting Secretary; Sanitary and Plumbing Inspector

ORILLIA.

GENTLEMEN,—I have the honour herewith to submit my annual report for the year 1918.

The year has been comparatively free from the usual contagious diseases, such as smallpox, scarlet fever, mumps, chicken-pox, whooping-cough, etc., of which no cases have been reported. Diphtheria has prevailed to the extent of 7 cases, confined to 5 households. The origin of these cases was traced to outside sources, and in no instance was the disease communicated to other parties in town by those affected, so strictly were the quarantine regulations observed. A few cases of typhoid developed, and were nearly all caused by the drinking of well water.

The number of contagious cases reported to me during the year were: Diphtheria 7, no deaths; typhoid fever 9, no deaths; measles 5, no deaths; infantile paralysis 1, one death.

This year the country has been invaded by a hitherto unknown disease, which has received the name of "Spanish Influenza." It has proved the most contagious or communicable plague known in modern times. As soon as it made its appearance in Orillia the schools, churches and all places of public entertainment were closed, and all public assemblies prohibited. Knowing that the General Hospital could not afford the amount of accommodation that would be required, a committee of Council was appointed at the request of the Board of Health to secure a suitable place for an emergency hospital. The Board of Management of the Orillia Methodist Church offered their Sunday-school room for that purpose, and it was accepted. A number of ladies immediately offered their services to put the place in order, and inside of twelve hours they were ready to receive patients. The Presbyterian Sunday-school room afforded splendid facilities for cooking, and food was prepared and supplied, not only for the hospital patients, but for a large number of families in different parts of the town who were stricken by the plague. Fifty-seven patients in all were admitted to the hospital, and out of that number only nine deaths occurred, a splendid record, knowing that only the most severe cases were brought there. The courageous women and girls who, at the risk of their own lives, volunteered to nurse, not alone at the hospital, but at the homes of those seized by this dread disease, should receive our sincerest gratitude. The whole number of cases in town, up to the present time, amounts to upwards of 1,300.

There are three things that are closely linked to the sanitation of the town and the health of the people, viz.: the water supply, the milk supply and the sewer system. In order to secure a pure supply of water a filtration plant was installed, and it was fully expected that it would serve the purpose. But it has been found that while it removes dirt and foreign matter, it does not destroy the active bacilli which produce disease, so chlorination is resorted to, and that provides water that is perfectly safe to drink but that does not agree with many people's palate. It is found that Tannery or Slaven's creek, the bathouses, and the privies and bathing-houses of Couchiching Beach Park, and leaks in the sewer line, are largely responsible for the pollution of the water in the lake. It is also known that the mouth of the intake pipe is so situated that it receives a portion of the drainage from these sources. So you can easily understand why chlorination is necessary. However, the Water, Light and Power Commission are working overtime to devise and execute plans that will effectively remove this danger.

A year ago the Town Council enacted a milk by-law which raised the percentage of butter-fat and required better methods of delivery. In company with Chief Reid, I made an inspection of the dairies supplying milk to the town. On our first visit we found a lack of cleanliness and overcrowding that were very disappointing. After pointing out the requirements of the Statute and by-law, we asked the owners to make an honest effort to comply with the law and remedy the unsanitary conditions. A second visit showed a commendable improvement from the standpoint of cleanliness, both in the animals and stables, but overcrowding still existed. A third inspection revealed a fairly satisfactory condition of affairs, only for the overcrowding, which it was impossible to change at that time. Tests were made of samples of milk at regular intervals, and in the majority of cases the amount of butter-fat was up to the standard. A few samples showed a deficiency. After repeated warnings, and no heed being paid, the Inspector instituted legal proceedings against the delinquents, who were given the benefit of a doubt regarding the accuracy of the test, and in that way escaped being penalized. But I wish to assure the consumers of milk that we shall not relax our efforts to secure a pure and wholesome article for them.

The sewer system has not been working satisfactorily, the trouble being at the pumping station on Queen Street, and leakages in the line between that point and the disposal works. The chairman of the Sewer Committee has employed several engineers to correct these defects, and their efforts have met with some success. But the pump still persists, occasionally, in acting obstreperously and discharging the contents of the station into Tannery creek, thereby polluting the lake, and the old pipe

on West Street is determined to let people know of its existence. The Council has taken the matter into their serious consideration, and no doubt a satisfactory solution will be discovered, not requiring too heavy an expenditure.

We have not attempted to enforce the by-law requiring everyone whose property abuts on a street having a common sewer to connect therewith, owing to the scarcity of competent labour to do the work. Now, as labour is more plentiful, the work should be done as soon as possible.

During the year I had to deal with many complaints regarding cesspools, privies, drains, etc., but an admonition was sufficient to set matters right.

All of which is respectfully submitted.

JOHN McLEAN M.D.
Medical Health Officer

OWEN SOUND.

GENTLEMEN.—In accordance with the requirements of the Public Health Act, I here-with submit to you the annual report of matters pertaining to the public health of the municipality for the year 1918.

Had it not been for the recent influenza epidemic the town would have had rather a light year so far as contagious diseases were concerned.

During the year eighteen cases of typhoid fever were reported. Six of these were in one house. Several of the cases were contracted elsewhere and were only treated in Owen Sound. But one death directly due to typhoid was reported, while one other case developed influenza during a protracted convalescence and died.

The town water supply has been regularly tested at the Provincial Laboratories and the reports have been almost uniformly good. The Public Utilities Commission with the assistance of Mr. C. J. Pratt have done all in their power to give the town a pure water supply.

The source of the typhoid originating in town was not discovered.

An outbreak of diphtheria threatened early in January, but with the aid of the school nurse an active inspection of the schools was made, a number of diphtheria carriers were located and isolated with very gratifying results. No active cases developed. In September there was another scare, but the disease was confined to one house. Just here I think it but proper to highly commend Miss Beaton, the school nurse, for her energetic and intelligent work, which undoubtedly aided materially in preventing the spread of this dreaded disease.

At the annual convention of the Provincial Health Officers' Association, which met in May in Hamilton, I presented a paper dealing with the subject of Diphtheria Carriers, which was well received and produced a good deal of discussion.

Early this fall there were quite a number of cases of whooping-cough. In a number of these cases the whooping-cough vaccine was used with very good results. The vaccine is provided free by the Provincial Board of Health and I think it should be generally used both as a preventative and curative agent.

During the first week in October influenza arrived in full force and raged for about six weeks. The Health Act does not require these cases to be reported, so that I can only estimate the number of cases; I should judge there were about two thousand. There were twenty-one deaths, which is a large number and to be regretted, as it was the youth of the municipality which was taken—yet the number of deaths was much smaller than in many other places of similar size. All places of public gathering were closed for some time and the public was warned through the press of precautions to take. Whether these measures helped I cannot say, but certainly Owen Sound did not pay as heavy a toll as many other places.

The influenza vaccine was used to a certain extent, but statistics are not available to show the results. However, I think I am safe in saying that it afforded a measure of protection. I know of homes where, with one case in the house, the vaccine was used on the other members of the household and no more cases developed, but this statement could also be truthfully made where no vaccine was used, so that, I say, we do not yet know the real value of the vaccine; but I think it worthy of a trial. As previously announced, it is supplied free by the Provincial Board of Health and may be had by application to the family physician.

The local Board of Health were not put to any great expense by the epidemic. It was necessary to supply nurses in a number of homes, some of whom were paid by the Board. However, there were a great many who gave their services voluntarily, including a number of the public school and collegiate teachers, while these institutions were

closed. The thanks of the Board are due to all those who assisted in this time of need. Aid was offered from the Provincial Board by way of nurses and doctors.

There are still a number of new cases every week, and no doubt there will be all winter, so that it behooves those who have not already had the influenza to take precautions.

The scavenger work has evidently been fairly satisfactory during the year, judging from the few complaints received. All complaints were referred to Sanitary Inspector King, who had them remedied.

In the spring an effort was made to have the junk yards around the town cleaned up. Some work was also done to have manure pits properly protected and cleaned. There were no doubt some good results from the above efforts, but there is still room for improvement. The work should not stop until every stable in town has a properly constructed, fly-proof manure pit as required by the regulations of the Provincial Board of Health, as flies are beyond a doubt great carriers of disease.

The slaughter houses have been duly inspected and for the most part found in a fairly satisfactory condition.

Dr. Norton has made the spring inspection of all the premises and cattle of the milk producers whose names have been supplied by the local milk vendors. I have had notices sent to all these producers to clean up for the fall inspection. Dr. Norton has not yet completed this inspection, so is not able to report as yet. His report will have to be dealt with at a later meeting of this Board. Attached is a copy of the notice sent to each producer.

I think provision should be made for the inspection of the premises of the small vendors,—those who have but one or two cows. While they supply but a few families, it is just as important that they should comply with the requirements of the milk by-law. You have already taken steps to see that these small vendors apply for a license. You will probably have to pay the Inspector more money to have this extra work done, but it should be done to protect all milk users, and out of fairness to the larger producers and vendors.

Mr. King has made the usual tests of milk supplied by the large vendors and attached to this report you will find a table showing the average of the tests made.

The war is over. Dr. Murray, the M.O.H., will, we trust, soon be back, and believe me, for several reasons I shall be very glad to welcome him home. Doing his bit in this war has meant a great sacrifice on his part—knowing this we must honour him. I have done my best to keep the work going in his absence, and I want to thank you, as a Board, for your co-operation and assistance. I also want to say this—you should offer Dr. Murray a handsome increase in his salary. The work that devolves on the M.O.H. of a town this size is a heavy task and should command a much larger salary. I trust the Board will consider this on Dr. Murray's return.

Again I thank you for your help during the three years I have been Acting M.O.H. All of which is respectfully submitted.

A. B. RUTHERFORD,
Acting M.O.H.

MILK TESTS, 1918.

The following are the averages of the tests made during the year from the larger vendors:—

Vendor.	Fats.	Solids other than Fats.	Total Solids.
	Per cent.	Per cent.	Per cent.
W. C. Barber.....	3.80	8.21	12.01
L. Kivell.....	3.87	8.43	12.30
O. S. Dairy Co.....	3.67	7.86	11.53
R. J. Walters.....	3.80	8.50	12.30

The Milk By-law requires not less than 12½ per cent. total solids of which the fats shall not be less than 3½ per cent. It will be seen that all the vendors were above the minimum of fats, but none were up to the requirement in total solids. There were a number of complaints as to the quality and cleanliness of the milk, but I believe the vendors made an honest effort to supply as good milk as possible, obtaining it, as they do, from a great many sources.

PORT HOPE.

GENTLEMEN,—I have the honour to present to the members of the Council of the Town of Port Hope my report on the work of the Board of Health for part of the year 1918, together with the reports of the Medical Health Officer as given to the Board.

During the short time which I have been chairman, in company with the Medical Health Officer I visited several of the dairies from which our town obtains its supply of milk. And I found them in good condition and all that could be desired in the way of cleanliness and equipment. The water supplies were good and the herds were among the best in the district. The one milk house that I saw was clean and very satisfactory. On our trip we inspected one slaughter house and found it in fair condition, and on the premises was a well equipped place for storing and preparing meat for market. And this butcher promised to build a new slaughter house in the near future. On this inspection trip I was pleased with what I saw, and intend if possible to see more of the dairies and slaughter houses.

The matter of having bread wrapped in paper so as to protect it from dust and dirty hands during street delivery is a question, it seems to me, that might be dealt with by the council, if they think well. I understand the council may enact a by-law requiring that this be done. And if they pass such a law I am sure it will meet with the approval of the Board of Health. Recently I heard of a case where a child when drawing some unwrapped bread loaves in a cart, accidentally upset the cart on a muddy street crossing, and I am sure the loaves did not lose in weight or gain in whiteness through what happened.

Complaint has been made to us that the anti-spitting by-law is not enforced. All we can say to this is that the Board of Health is anxious to see this law enforced. And, moreover, the members of the Board are anxious to see all the sanitary by-laws observed, as these laws are intended to protect our citizens from ill-health and disease.

Yours truly,

Chairman, Board of Health.

ANNUAL REPORTS, 1918.

On the work done during the year 1918 I have prepared the following reports, viz.:—
 Inspection of Victualling Houses.
 Inspection of Slaughter Houses.
 Report of Communicable Diseases.
 Report on Child Welfare.
 Inspection of Milk and Dairies.

REPORT ON THE INSPECTION OF MILK FOR 1918.

Regular inspections of all the dairies supplying the Town of Port Hope have been made during the year.

In order that the Chairman of the Board, Mr. Outram, might see for himself the condition of some of the dairies and slaughter houses he accompanied me on one of my inspection trips. Mr. Outram made some good suggestions in regard to several places which were visited and his advice was very helpful to me. He was able to get a good idea of the conditions under which our milk is produced—a much better idea than could possibly be obtained from a written report. At the first opportunity I am sure that Mr. Outram will tell the Board what he thinks of some of the dairies and slaughter houses which he visited.

Following gives the monthly average of all the samples tested for percentage of butter fat during the year, viz.:—

December	3.52	June	3.29
January	3.44	July	3.23
February	3.39	August	3.18
March	3.42	September	3.38
April	3.27	October	3.55
May	3.20	November	3.40

The yearly average for each of the large vendors is as follows, viz.: W. J. Highfield, 3.40; James Sinnott, 3.41; T. W. Philp, 3.24; W. C. Hugh, 3.28.

Some fifty examinations were made with the dirt sediment test, and a number of these dirt sediment discs have been kept for future reference. In any case where the milk examined showed the least trace of dust or dirt, the vendor was told of the fact. But we are pleased to say that all the samples examined were found to be clean, wholesome milk.

The tests for butter-fat and dirt sediment and the particulars of the inspection of the dairies have been obtained for the benefit of the milk consumers of Port Hope, and the details of these examinations will be shown to any milk user who asks for them. And if a householder finds that the milk he receives is in any way not satisfactory, complaint should be made to the milk inspector, when every care will be taken to investigate and remedy the matter. This is the only way that the individual consumer can be safeguarded.

In the hot months of the summer, even with the greatest care, occasionally a bottle of milk may turn sour, but it is not possible for a health officer to prevent every accident such as this, especially when he has had little or no help from the sanitary inspector.

COMMUNICABLE DISEASE .

There have been reported during the year thirty-five cases of communicable disease, as follows, viz.:

Pertussis	10 cases.
Measles	6 "
Rubella	3 "
Diphtheria	5 "
Tuberculosis	4 "
Epidemic parotitis	4 "
Paratyphoid	2 "
Typhoid fever	1 "

It will be noted we had only three cases of typhoid in the past year, and two of these were brought to the town, and the third patient was most probably infected while out of town. This says much for the health of the municipality and the purity of our water supply.

At the last session of the legislature an Act was passed making the notification of venereal disease compulsory. And when a report of one of these is received a record is made, and each week the particulars are transmitted to the Provincial Board of Health, so that a statement of these cases does not appear in this report.

During the month of October many citizens were ill with influenza. The epidemic came suddenly, and in the space of three or four weeks had almost run its course, when it subsided nearly as abruptly as it had come. There is no way of judging the number of persons who were ill, as influenza is not one of the notifiable diseases, and, moreover, many were only very slightly ill, and these did not seek medical aid. The first case admitted at the Port Hope Hospital was on October the first, and the second case was received on the sixth day of October. The majority of those who were quite ill were between twenty and fifty years of age. In every case where death resulted it was brought about through some complication, such as pneumonia.

Our death rate was very low, and is probably as low as any place in the Province of Ontario. The death rate in thirteen Canadian cities and five United States cities, as published by the Provincial Board of Health, is in some cases as much as eight times that recorded in Port Hope.

Many different preventive measures have been tried, such as inoculations, the use of face masks, the prohibition of public assemblies. The governments of Great Britain, France, the United States and Canada have between them spent many millions of dollars in medical aid and in investigating the cause and treatment of the disease, but as yet no really effective preventive measures have been devised.

INSPECTION OF SLAUGHTER-HOUSES.

The slaughter-houses have been regularly inspected during the year, and it is gratifying to be able to say that from the time they were first visited some years ago there has every year been a steady and marked improvement in their condition. There is no longer any serious violation of the law to be seen, and all the places visited were in very good condition, viz.: W. C. Greenaway, Lorne Giddy, C. Hutchings, George Perrin, Gardiner Brothers, Thomas Roberts.

At three of these places extensive improvements have already been made, and another butcher is now engaged in building an up-to-date establishment of cement blocks. This slaughter-house will doubtless be one of the best when it is finished.

Another butcher has recently bought some land on which he intends to build in the very near future. He has already a splendid place for cutting up carcasses and a large refrigerator.

Another butcher is engaged in getting building material ready for the spring. Some of the butchers have been a little slow in erecting new buildings, but all have been making important alterations and improvements.

CHILD WELFARE.

Under the auspices of the Bureau of Child Welfare, a baby clinic has been started at the Port Hope Hospital.

The Bureau of Child Welfare has for its object the saving of babies' lives and the rearing of healthy children. It is a department of the Provincial Board of Health, and Miss Mary Power is Director of the Bureau.

The work takes in all children up to six years of age—those who are too young to attend school.

On certain days in each month mothers are invited to take their children to the clinic, and there they are carefully examined by the physician in attendance, and a record of this examination is kept on file. The particulars obtained in regard to each child are, viz.: name, address, age, height, weight, size of head and chest, nourishment given, condition of teeth, tonsils, eyes, ears, throat and nose, signs of disease or defects in any of the organs of the body, etc. Any defects or diseases that are found are noted on the record card. The parent is given such advice as is necessary on feeding, clothing, bathing, sleep, ventilation, exercise, care of eyes, etc., and in case any disease or defect be found the case is referred to the family physician for treatment. Pamphlets on the care of children and other literature, supplied by the Provincial Board of Health, is given to those who attend the clinics.

This important work was started in Port Hope on May 3rd, 1918, when some of the officials of the Provincial Board of Health gave a practical demonstration on the subject in the Town Hall. Previous to this date the members of the Port Hope Hospital Mission had made a systematic canvass of the town, and had obtained the name and address of every family where there were any little children. This index of names has been of great help at the clinic and to the visiting nurse. So that to Mrs. Edgar and the other ladies of the Hospital Mission must be given much of the credit for the success of the undertaking.

Up to the present time about one hundred and twenty-five children have been examined at the clinic, and quite a number of these have attended a second or third time for further advice or examination.

The results of the examinations show that a number of babies were suffering from defects that required an operation in order to cure them, such as enlarged tonsils, adenoids, rupture, etc.

Others were found to be suffering from the ill-effects of feeding.

Some were unsuitably dressed.

Several ruptures were discovered which were readily cured by proper treatment.

In a few cases a serious disease, which had not been suspected by the parent, was discovered.

For the success of the work much credit should be given to Miss Eliot, superintendent of the hospital, and the splendid staff of nurses at this institution. For several days before the time for the clinic, two of the nursing staff call at many of the homes where there are children. The nurse offers such advice in regard to the children as seems proper, and in case they see a baby that looks ill, the mother is urged to take the child to the clinic for more careful examination and advice. The nurse gets acquainted with the mothers, and this friendship helps very much in inducing the mother to accept the advice given at the clinics, and in this way much sickness and disease among the children is prevented.

The clinics continue about one hour and are held between the hours of nine and ten in the morning. As many as fifteen children have attended at one time.

In the cities where these clinics are held many thousands of lives have been saved. In some districts the deaths among babies have been reduced as much as thirty-five per cent.; at the same time much sickness has been prevented and a healthier and stronger generation of children has been the result.

The work can and should be extended in Port Hope. All that is needed is that a little more time be given to the work, and that the Board of Health give their approval and encourage those in charge. Up to the present, the time given by the hospital nursing staff has been voluntary, and the cost to the town has been practically nothing, but we cannot hope that this will continue indefinitely. The Board of Health has authority to engage a visiting nurse, if they think well. And in doing this they will have the hearty support and approval of the Provincial Board of Health and the Bureau of Child Welfare. But I am of the opinion that a practical scheme could be worked out whereby the work might be continued and made permanent.

This child welfare work is one of the best ways that possibly can be devised for the prevention of sickness and disease among children, and any money spent in doing this work will be well spent.

It is well known that money spent in the prevention of illness is much more profitable than that which is spent in cure.

These few thoughts are offered for the consideration of the members of the Board of Health.

All of which is respectfully submitted.

Yours truly,

GEO. A. DICKINSON, M.O.H.

RENFREW.

GENTLEMEN.—I have the honour to submit to you the report on the sanitary conditions of the town, for the year December 1st, 1917, to November 30th, 1918.

There has been reported during the year, 16 cases of diphtheria, 8 cases chicken-pox, 2 cases of typhoid fever, 1 case measles, 3 cases scarlet fever, and 5 cases of mumps. There was a very decided decrease in the number of cases of communicable diseases reported over last year.

The influenza epidemic, which has been universal, visited Renfrew and took a very heavy toll. Accurate figures of the number of cases are not available, as the cases were not required reported, but a fairly conservative estimate would place the number in the neighbourhood of 1,000. There were 67 deaths. The town is almost entirely free of the disease now, although sporadic cases are likely to appear during the next six months. It was early recognized that the disease was of a particularly virulent type and spreading rapidly, so an appeal for outside help (doctors and nurses) was made to the Provincial Health Department. They responded by sending us 13 nurses, and must be credited with doing all in their power to secure outside doctors, but evidently none were available. In addition, 20 nurses were secured privately. These, along with the town and hospital nurses, worked unselfishly and heroically and did an incalculable amount of good. Dr. Maloney, District Health Officer, was also on hand for three days, and gave valuable assistance in organization work. Various women's organizations of the town rendered valuable assistance. To all who assisted in any way in relieving a tense and pathetic situation we are very thankful. It was deemed advisable to close schools, theatres and pool-rooms for a period of three weeks. While expenditure in connection with the epidemic was heavy, it was mostly in supplying nurses for the hospital and charity cases.

There have been a few complaints *re* nuisances, which have been investigated and remedied.

The matter of proposed sewers on Gladstone Street and in the Plaunt Park sections has been gone into carefully and their construction urged and recommended. Mr. Dallyn, Dr. Maloney, Engineer and District Officer of Provincial Board, respectively, made visits to the town in this connection and met the Board and Council and gave valuable assistance and advice. It is hoped that construction of these sewers will not be much longer delayed.

Frequent water analyses show the town water supply to be bacteriologically pure, and now that an extra filter has been installed the continuation of a pure water supply can be practically assured.

A by-law regulating the supply and handling of milk offered for sale in the town has been put into effect and has given good results, particularly in the decreasing number of cases of infantile diarrhoea during the summer months.

During the year diagnostic outfits supplied by the Provincial Board of Health have been supplied to the local physicians, and the antitoxins, serums, etc., distributed by the Provincial Board of Health, free of charge, have been kept on hand.

The Isolation Hospital has undergone some improvements and is, along with the equipment, in good condition.

During the year there have been 200 births and 144 deaths, compared with 177 and 74, respectively, last year. The increased number of deaths was due to the influenza epidemic.

I wish to thank the Board and Sanitary Inspector for valuable assistance and co-operation during the year.

DR. J. J. McCANN,
Medical Officer of Health.

SANDWICH.

GENTLEMEN.—The Board of Health for the Town of Sandwich beg leave to submit the following report:

Following the usual custom, early in the spring, the Board of Health had the Sanitary Inspector visit all places where there might be any doubt of the sanitary conditions, and, where necessary, everything was put in sanitary condition.

Yards.—The work of keeping the yards clean was greatly assisted by the Council, who had notices published asking all residents to clean their yards and collect any and all rubbish so that it might be drawn away by the town teams, deposited and burned or disinfected with lime and covered over with earth.

Houses.—In one case the Sanitary Inspector visited a large boarding-house occupied by foreigners, had the mattresses burned and the place cleaned up, properly.

Hydrants.—The Board saw that the hydrants were properly flushed, particularly at the dead ends of mains.

Installing Closets.—The Board also took steps and compelled seven different property owners to connect their places with the sewer, and one of these was fined for not installing a closet as notified.

There are very few outside closets in town, but the few are so far from any buildings that they are no nuisance, while some are permitted by the Board as there is no sewer in front of the lot with which the premises may be connected.

Communicable Diseases.—There were some forty-three cases of communicable diseases reported during the year, of which there were four deaths. These do not include influenza, of which there were eight deaths in town.

All the communicable diseases were very mild cases, with the exception of some four or five; and in the diphtheria cases, as many as four swabs were taken from one patient, in some cases.

When influenza struck the town, and became serious, the Board took steps to check the disease, closing schools, prohibiting public gatherings, and notifying parents to keep their children off the streets.

When persons were quarantined for smallpox, even the dogs in the neighbourhood were kept tied up for fear that, if loose, they might spread the disease.

Provisions were furnished to those quarantined, and the town paid the bills.

Meetings.—During the year there were ten meetings, but anything requiring immediate and prompt attention was taken care of by the M.O.H. giving orders to the proper official, without waiting for a meeting.

All of which is respectfully submitted.

W. J. BEASLEY,
Medical Officer of Health.
E. R. NORTH,
Secretary.

TOWN OF SIMCOE.

The Chairman and Members of the Board of Health.

Sms.—There has been an unusual number of contagious diseases during the past year, and, with the exception of smallpox, our town has been visited with every one of the so-called communicable diseases, the last three months ending in one of the most violent and serious epidemics in the history of the town, when Spanish influenza made its appearance. In the months of April, May and June, measles became very prevalent, 19 cases in all being reported, with no deaths. This number, of course, does not include all the cases that occurred, as some cases were not brought to our attention, partly through a desire to conceal it, and partly through the parents or others not fully understanding their duty to report such cases. Diphtheria was present in May, September, October and November, 8 cases being reported, with one death. Typhoid occurred in the late summer and early fall months as usual, but the cases reported were not many, but seven coming under notice. Two cases of spinal meningitis, with one death; one case only of scarlet fever being reported.

The usual number of cases of chicken-pox, whooping cough and mumps developed. These cases were isolated, and attendance at school prohibited where necessary. In the diphtheria cases, antitoxin was used promptly and in large doses to the patients as well as others exposed in the same house, for rendering them immune from possible attack. This measure, with strict isolation, no doubt prevented the dread disease from spreading. In all cases where quarantine measures were necessary, the Sanitary Inspector visited the houses once or twice daily, and the premises were thoroughly disinfected before the cases were released.

I attended the annual meeting of the Health Officers' Association at Hamilton, in May, and much useful information regarding public health matters was obtained. Much interest was taken in the Child Welfare branch of the Association, which has as its object the reduction of the enormous mortality rate of the first few years of child life, especially that of the first year, in which the mortality rate is the greatest. The proper care, feeding, cleanliness and good sanitary arrangements were the chief measures proposed to help in saving the great loss of infant life. This Child Welfare Association, which has branches all over the United States and Canada, has started out to save, this year, 100,000 infant lives, while it is stated that it is possible to save twice that many annually in the two countries that are now lost through improper food, bad sanitary arrangements and ignorance or neglect of the parents, and so forth.

Births.—There were 68 births during the year, 35 males and 33 females.

Deaths.—A very high rate of mortality is to be recorded this year, there being 76 deaths, as compared with 57 last year, this high rate being due to the influenza epidemic, some 20 deaths being attributed directly to this cause, but no doubt others were indirectly due to this disease. October claimed most of the victims, 14 dying during the month; November 2, and December 4. The oldest person was 47 and the youngest one year.

The causes of death were as follows:

Accident	1	Pelvic cellulitis	1
Abscess	1	Hæmorrhage	2
Cancer	3	Senility	4
Cholera infantum	2	Apoplexy	3
Convulsions	1	Nephritis	6
Diphtheria	1	Meningitis	1
Epilepsy	1	Indigestion	1
Fracture	3	Influenza	20
Heart disease	7	Suicide	1
Still-born	2	Disease of gall bladder	1
Pneumonia	10		

Samples of water were taken from a number of wells to ascertain the source of disease, but none were found in a very bad condition. Tap water was also analyzed and found each time to be in a good state of purity. Milk samples were also forwarded for analysis at various times, which proved satisfactory, with a few exceptions. No preservatives were found, percentage of butter-fat up to the standard, and bacterial count under the shipping conditions not very reliable. The milk supply of the town at present is under one management, viz., The Simcoe Sanitary Dairy. This firm is deserving of much praise for their enterprise in installing a pasteurizing plant at considerable expense and study. The process of pasteurizing milk renders it one of the healthiest forms in which this very important food product can be used, but the process of treating milk in this way entails, of course, considerable extra expense, and were this enterprise encouraged by public recognition in some form, such as an annual bonus, it would help to ensure the process being maintained, as well as to give the Board of Health freer access for inspection purposes, and will thereby furnish a guarantee for this brand as against the raw or untreated and less healthy milk. Some of the dairy farms that were inspected were found to be in a first-class sanitary condition, with clean basins and towels, with good facilities for cooling the milk, and the stables in a cleanly state, etc., and others again much neglected in this way. As the sources of the milk supply keep changing, in some instances it is not possible to keep them all under satisfactory inspection.

The annual notices for spring cleaning were distributed to each householder, together with literature issued by the Provincial Board. Two dogs that had bitten children were destroyed and the heads sent to Ottawa for analysis as to presence of negri bodies (germs) as a precautionary measure. They were not found present in either case.

There was one prosecution for keeping hogs too near a dwelling.

As the number of closet pits in town are still numerous, we are trying to get them all changed to the drawer system, and have succeeded in the past year in eliminating some of the more objectionable ones.

The garbage question is still in an unsatisfactory state, the same having been rendered more troublesome in one respect by the Dominion Veterinary Department prohibiting the kitchen garbage being fed to hogs without being cooked or steamed, which rendered it more difficult to get collected. The proposed by-law recommended by Board of Health to the Town Council had no action taken upon it.

The embargo which a few years ago had been placed upon bringing manure into

town on the railways and unloading the same in certain vicinities, was raised this summer until further notice, owing to the urgent solicitation of interested parties. The value of this material for production purposes, and the number of employees maintained in the business, was the chief reason for giving the question another trial, in view of the fact that the unloading was to be more expedited and certain objectionable (or paunch) manure not to be included.

The District Officer of Health, Dr. McClenahan, made one official visit and gave us a little help and instruction on matters of public health in general, and incidentally on the question of pit closets.

The Provincial Laboratory has kept our supply of vaccines, antitoxins, etc., as they were required. The Board was also supplied with a serum for the influenza epidemic, which was used by our local physicians with apparent success as a preventive measure.

The recent appointment of Mr. John Pratt as Sanitary Inspector, we hope, will result in much needed improvement in sanitary matters, as the work required to be done in an efficient manner entails more time than our late inspector had opportunity for. I hope to have their detailed reports to present later.

Respectfully yours,

J. C. C. GRASSETT,
Medical Officer of Health.

ST. MARY'S.

To the Board of Health, St. Mary's.

GENTLEMEN.—The past year has been very favourable from a health point of view. With one exception contagious diseases have been less prevalent than usual. The town has been almost free from children's infectious diseases, and also from typhoid, small-pox and other infections that affect the adult. We have been less seriously affected by the unfortunate influenza epidemic than have many other towns; but even at that, the epidemic was terribly severe, and quite a number of deaths resulted.

The matter of proper protection of manure piles has engaged the attention of your Inspector and myself, and we believe it a measure that should be enforced most rigidly, and where enforced the diminution of the fly nuisance has been most marked.

The Council has not thought it advisable to enact the amendments proposed by us to the milk by-law. We believe it would be more effective were such amendments added to the by-law.

I must express my appreciation of the work done by the Inspector and other officials and must thank them for their co-operation.

I am quite in sympathy with a movement that is on foot to provide proper housing for all the people. The town has quite a number of houses that are used as dwellings that are really not fit, and yet it would appear that hardship would be inflicted by arbitrarily closing them; yet this is a question we will have to face in the future.

J. R. STANLEY,
Medical Officer of Health.

SUDBURY.

To the Chairman and Members of the Board of Health.

GENTLEMEN.—We have the honour to submit to you the report of the sanitary work done under your Board, for the year 1918, ending November 30th.

The garbage and night soil collections have been regularly and efficiently performed by the contractor, and considering the labour problem for this class of work, it is very gratifying to find so few complaints coming to the office; any such complaints received were investigated and attended to as early as possible.

The total number of loads of garbage and other waste destroyed was as follows:

Loads of garbage and other refuse, 2,575 loads.

Carcasses of 9 horses, 1 cow, 1 calf, 48 dogs.

Beef, 6 quarters—3,513 lbs.

16 boxes sausages.
 2 barrels fish and 400 lbs fish.
 1½ barrels pork.
 1 barrel apples.
 8,000 lbs. onions.
 2 tons cabbage.
 13 boxes liver.

The incinerator, with the ordinary repairs to fire box, continues to give full satisfaction. Early in the year part of the shed was destroyed by fire, but this has all been renewed.

Collections for night soil were:

Amount collected		\$2,158 80
Outstanding account, on closets	\$81 60	
Outstanding account, cesspools	123 75	
	\$205 35	205 35
		\$2,364 15
Contractor received for work		1,891 64
		\$472 51

Of the outside closets, further improvements are required, in order that the structures be made fully fly-proof. Much has yet to be done in this line of work, which can only be accomplished by careful attention.

We have only four dwelling-houses in the municipality not connected to the sewer, where sewers exist—three of which are closed.

Plumbing permits were:

16 new connections to the sewers.
 28 repairs and alterations to fittings and sewers.

All the work has been regularly inspected and tested before being passed.

Water Samples.—85 samples have been taken from the lake and town supply and sent to the Provincial Board of Health Laboratories for analysis. Very few have shown contamination, which is very encouraging and shows results for the big outlay in sewers at the lake section during the past two years.

We cannot pass on without again drawing the attention of campers and picnickers to use every care during the summer season at the lake; washing clothes in the lake and throwing of refuse is only too frequently done, and we trust that when the parks are opened the attendant in charge will give special attention to this particular work, as it is impossible for the health officers to be always around.

Milk.—88 samples of milk were taken from vendors and tested. The standard of cleanliness has been fairly well maintained, especially when the labour question is so difficult.

The butter-fat was good; the average being 4%, the lowest 3%, and the highest 5.6%. 9 tests were below the regulation standard in butter-fat.

The dairies have been regularly inspected, and generally found to be kept clean and sanitary. There is room for improvement in the milk rooms; these should in all cases be separate from the stables.

One large dairy—The Sudbury Dairy—has gone out of business, and with the amalgamation of the other large dairies, and the curtailment of stock, a very serious shortage of milk is at present being felt in the town. An outside source of supply will have to be found to meet the requirements, especially for the infants, and it is most important that they have a plentiful supply of pure milk.

Bake Shops have been much improved and standard weight of bread well maintained. Only 34 loaves of bread were taken as underweight, varying from 2 to 3½ oz. short weight.

Meat.—The handling and shipping of meat has been much improved. The greatest cause of complaint is when the meat is not in bags, the sheets and covers not being kept thoroughly clean, sometimes old covers and blankets being used. We wish to draw special attention of all farmers and meat vendors to this particular item. In the spring, as already reported, there was a large amount of meat wasted, for which the companies were prosecuted and fined.

Prosecutions.—12 cases were taken before the magistrate—the total fines being \$460.00.

2 cases for entering houses whilst under quarantine, fined \$25.00 and \$30.00 and costs respectively.

2 for not complying with sanitary regulations, \$5.00 and costs each.

Meat unsound and allowed to waste—1 case, \$10.00 and costs; 3 cases, \$100.00 and costs each.

1 case of offering for sale the carcass of a cow having died from disease, \$25.00 and costs.

Eggs unfit for food, \$25.00 and costs.

Unsound fruit, \$10.00 and costs.

1 case for allowing a company to congregate contrary to the Closing Order during the influenza epidemic, \$25.00 and costs.

Infectious Diseases.—There were 12 cases of diphtheria; 1 patient died.

There were 2 cases of scarlet fever; 1 patient died.

There were 9 cases of smallpox; 1 patient died.

The smallpox cases reported during the months of January and March, and one case in June, were all directly traceable to outside sources, having mostly been brought in from the camps, the one death being an infant in town only a few weeks old. All the cases were well cared for and strictly quarantined, and, on recovery of the patients, house, clothing, etc., cleaned and disinfected.

During the month of October a serious epidemic of Spanish influenza broke out, and from the 10th to the 15th, we estimated there were some 800 cases. It was deemed advisable at a joint meeting of the Council and Board of Health, held on the 15th, that all public premises, schools, etc., be closed. An emergency committee was formed in charge of Mr. McCarten and Mr. Berlanquet. A volunteer staff of some 150 men, young women and boys got together and gave valuable assistance to the stricken families; the women doing nursing and caring for the houses, boys doing general errands and chores, and the men found endless work in visiting and helping in many ways. We are greatly indebted to these helpers for their valuable work, and to the owners of automobiles for the assistance given. The Daughters of the Empire and Red Cross were untiring in the work of making soups and beef-tea for the hospital and invalid patients at their homes. The ban on public gatherings was raised for churches on the 10th of November, theatres, etc., on the 11th, and schools were opened on the 18th. During the period from October 16th to November 30th some 1,434 cases were reported, making a total, approximately, of 2,230. There were 164 deaths, of which 65 were residents of the town.

One important question was forcibly brought home to the workers, and that was the care of the children in the homes, and before very long the authorities will have to appoint a competent nurse to visit the schools and homes.

There is a great work to be done in educating the mothers in the rearing of children. Miss Power, Director of Child Welfare under the Provincial Board of Health, visited Sudbury for a short time in August, and intends, at an early date, to make a special visit to bring this important question before the Board and general public.

Dr. George, the District Medical Officer of Health, visited Sudbury in February, May and October. He had a thorough inspection of the work done under your Board, and was satisfied with the general progress made, our lodging-houses and apartments being most satisfactory.

The regular inspections of all public places, blocks, abattoirs and stores have been made, and it is very gratifying to the officers to report how much conditions have improved; the ready response to any request for improvements, both in structure and general sanitary matters; the big reduction during the year in prosecutions, under this, shows this most clearly.

We have again to thank the Town Council, Board of Health, and the public generally for their advice, help and courtesy given to us in the performance of our duties.

We have the honour to be, Gentlemen,

Yours obediently

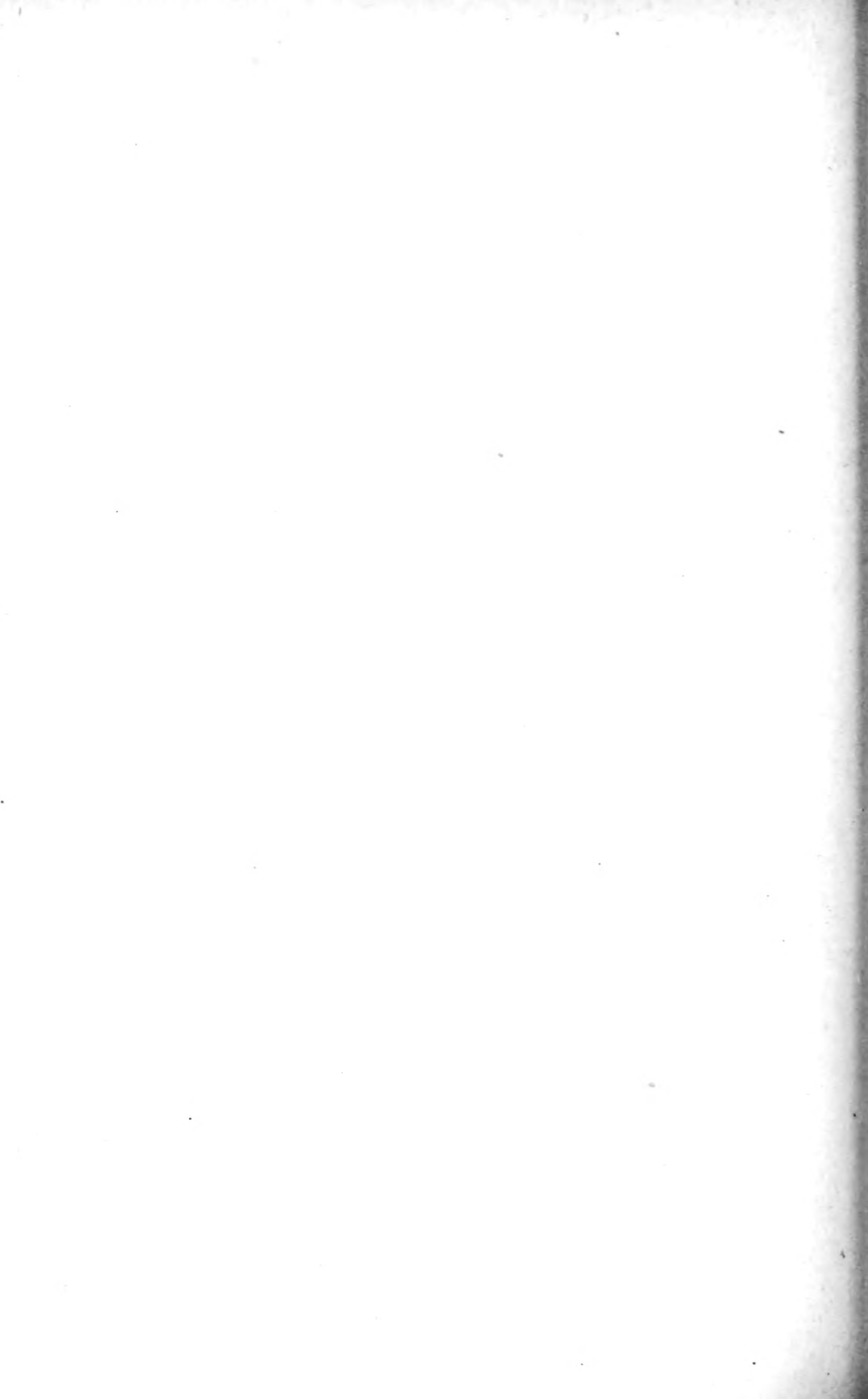
W. J. COOK,

Medical Officer of Health.

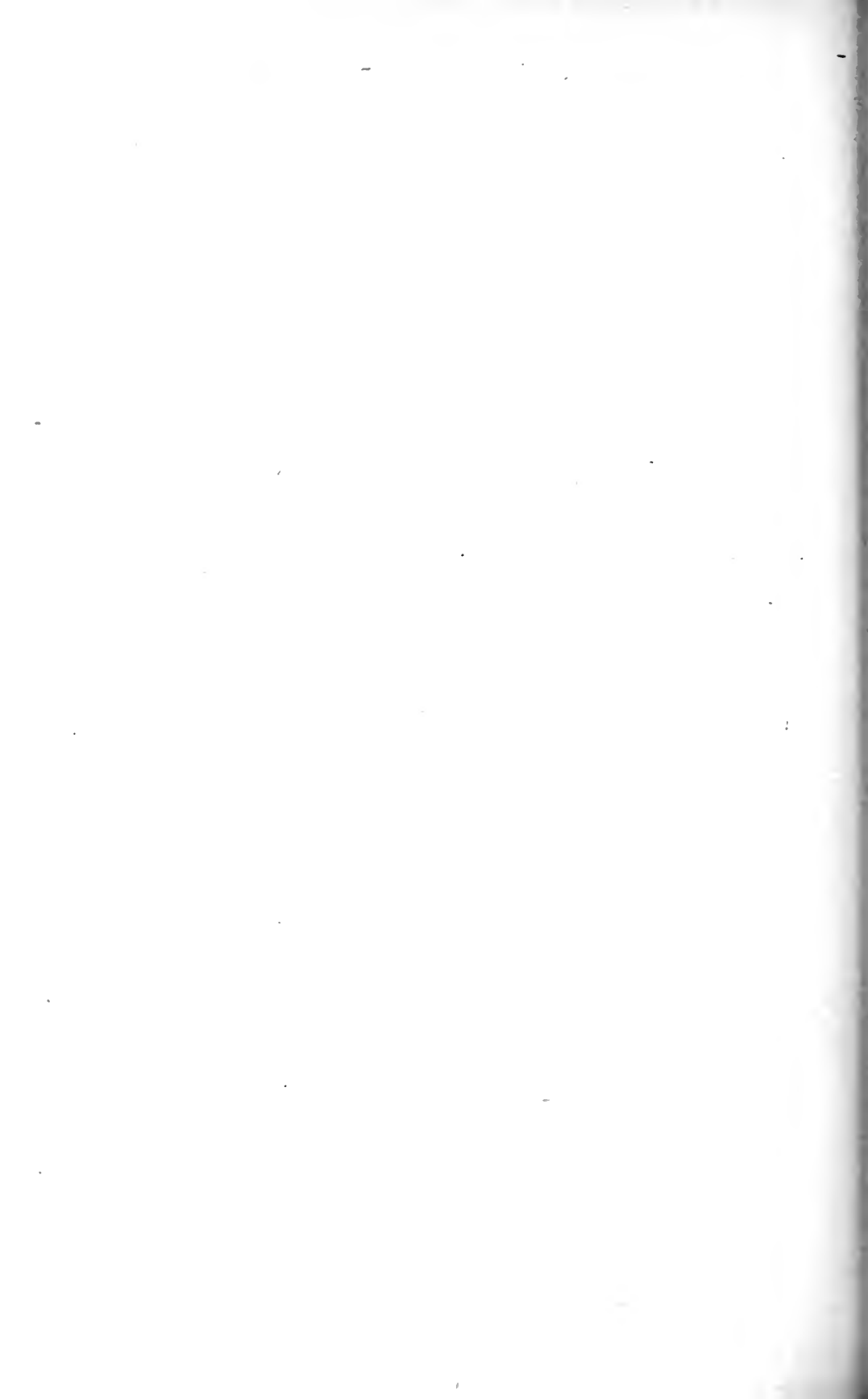
JAMES TAYLOR,

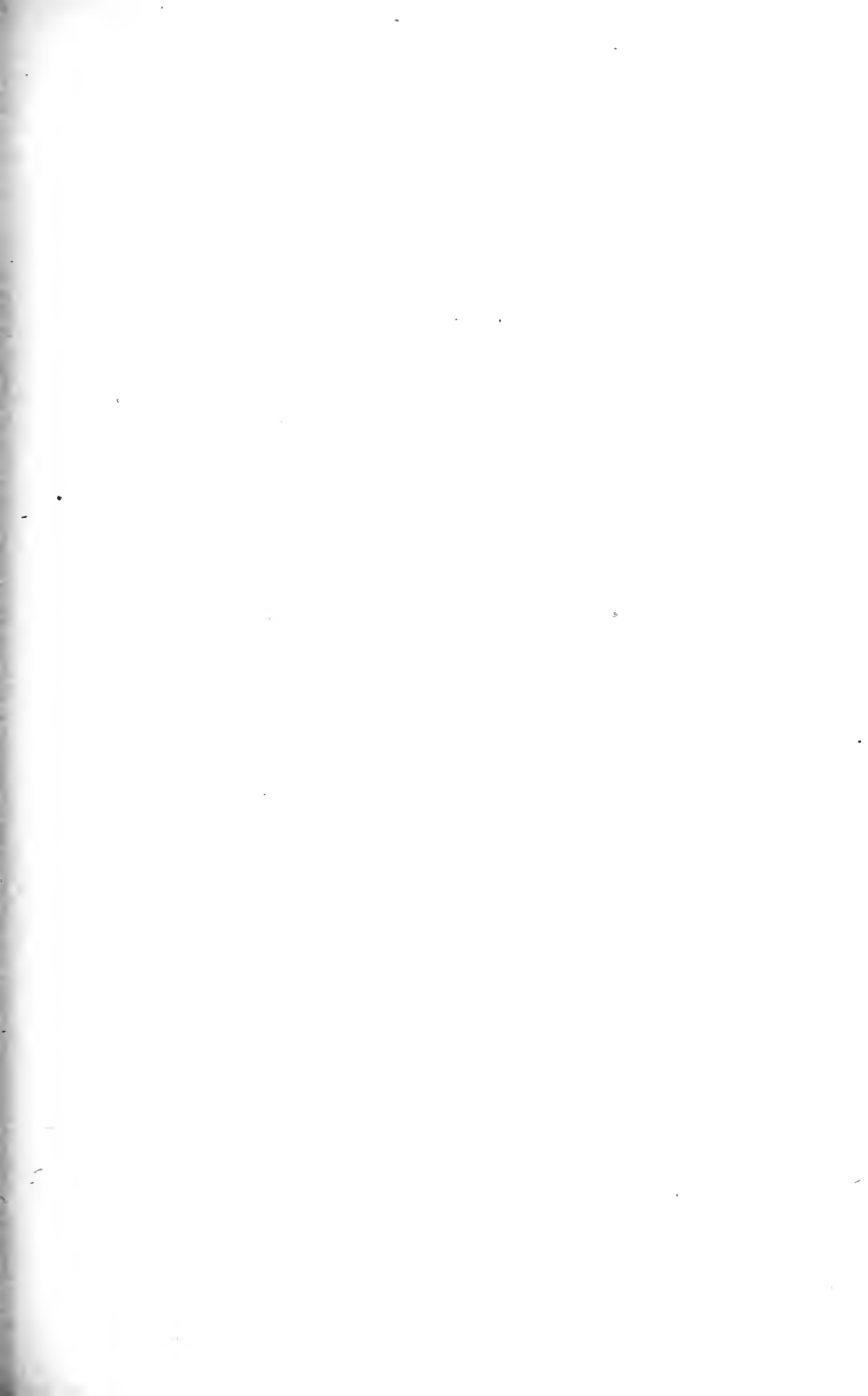
Sanitary Inspector.

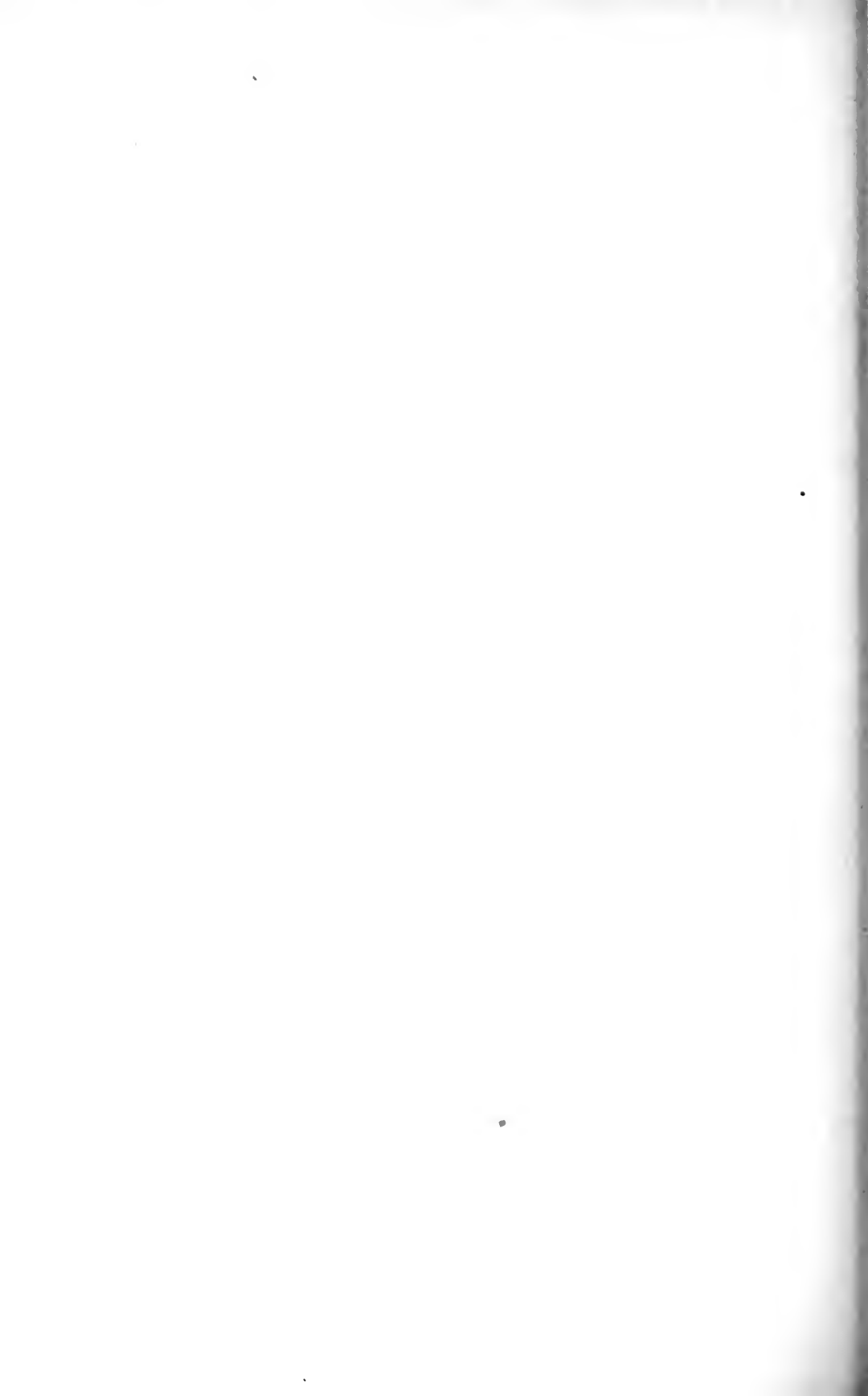












Fifty-First Annual Report

OF THE

INSPECTORS OF PRISONS AND PUBLIC CHARITIES

UPON THE

Hospitals for the Insane

OF THE

PROVINCE OF ONTARIO

Being for the Year ending 31st October

1918

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



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1919

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PARLIAMENT BUILDINGS,

TORONTO, March 14th, 1919.

To His Honour JOHN STRATHEARN HENDRIE, C.V.O.

Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

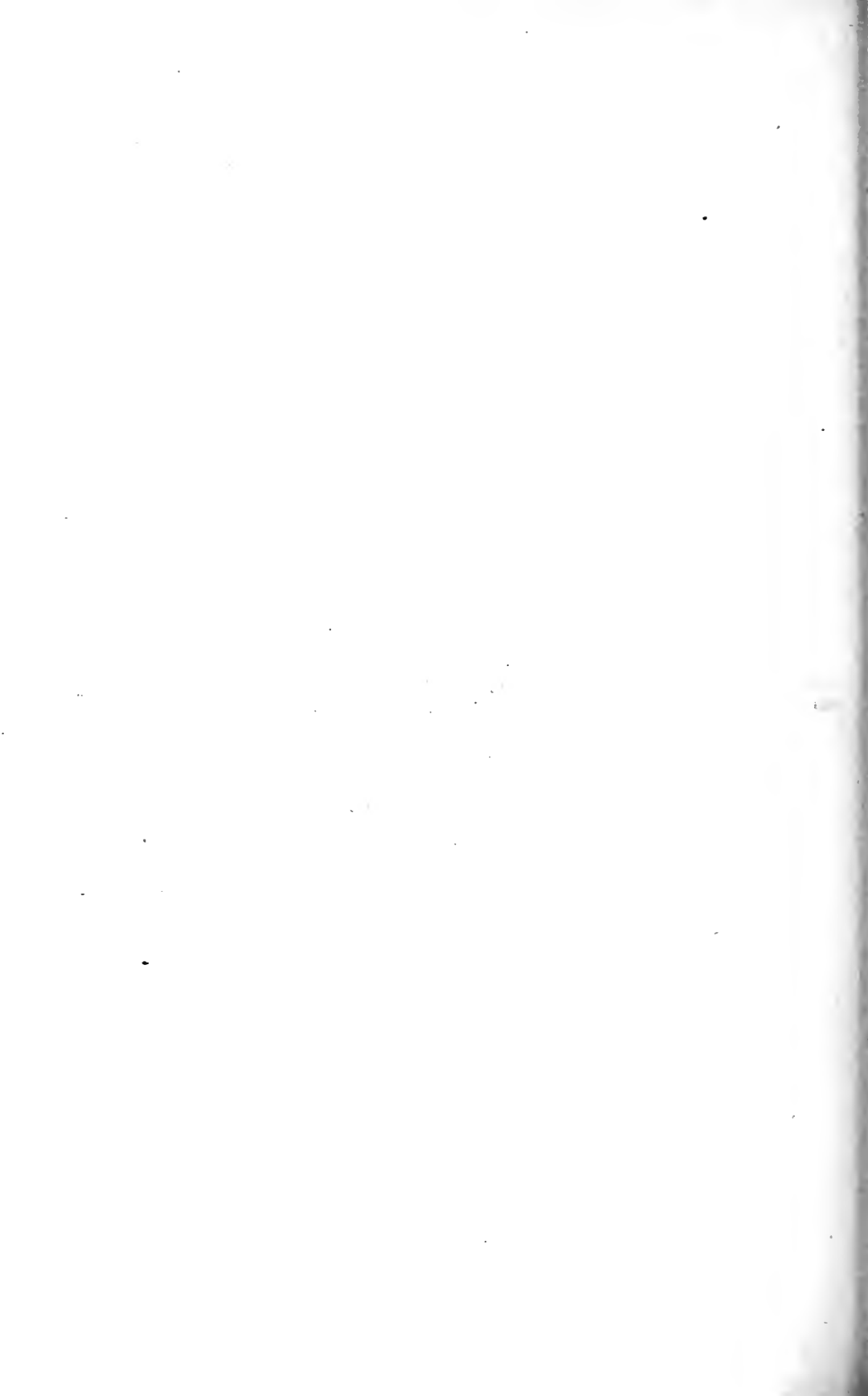
I beg to submit herewith the Fifty-first Annual Report upon the Hospitals for the Insane of Ontario, being for the official year ending on the 31st October, 1918.

I have the honour to be,

Your Honour's most obedient servant,

WM. DAVID McPHERSON,

Provincial Secretary.



OFFICE OF THE
INSPECTOR OF PRISONS AND PUBLIC CHARITIES, ONTARIO.
PARLIAMENT BUILDINGS,

TORONTO, March 14th, 1919.

SIR,—We have the honour to transmit herewith, to be presented to His Honour the Lieutenant-Governor, the Fifty-first Annual Report upon the Hospitals for the Insane of Ontario, being for the official year ending 31st October, 1918.

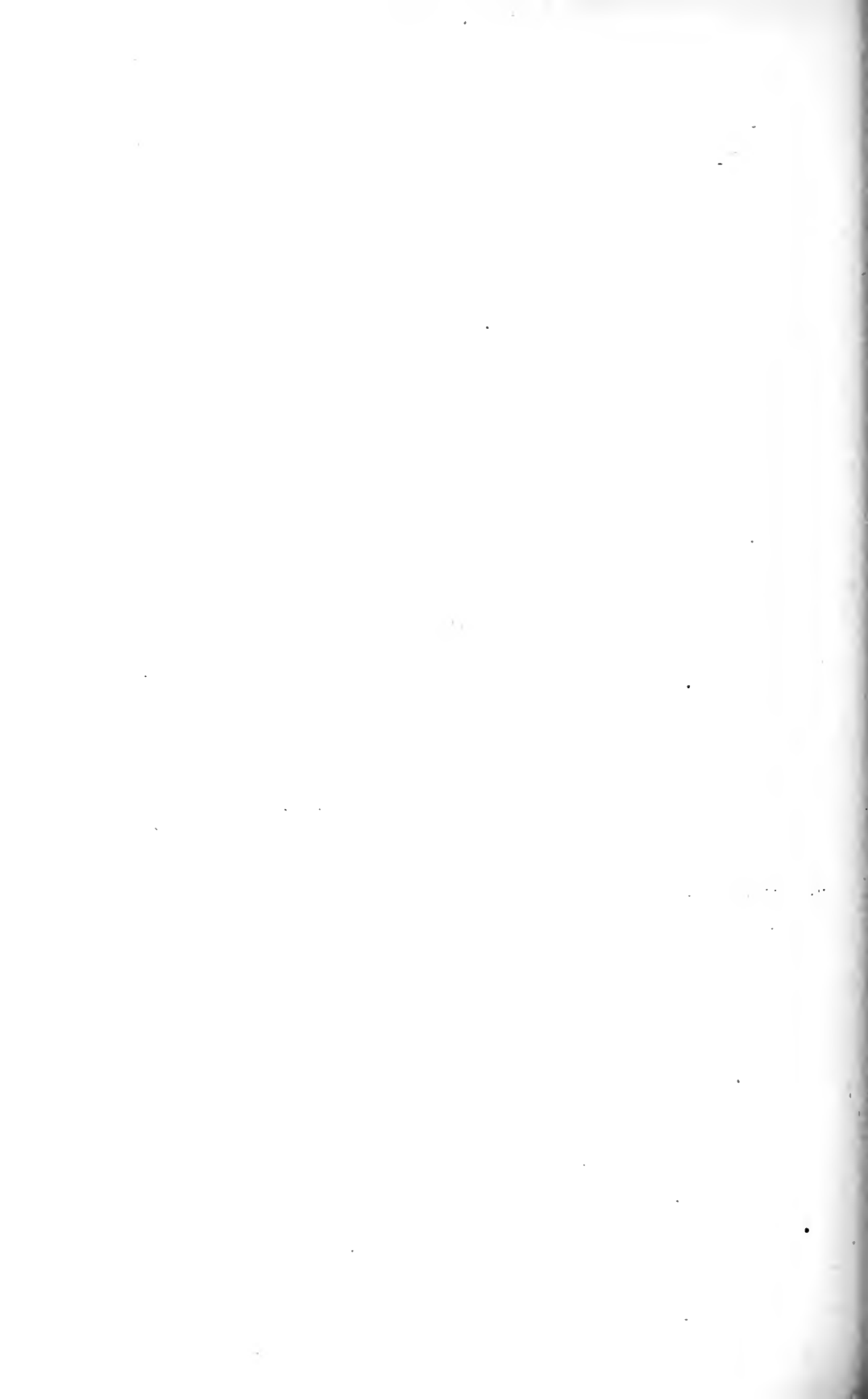
We have the honour to be, Sir,

Your obedient servants,

W. W. DUNLOP,

Inspector.

THE HONOURABLE WILLIAM DAVID MCPHERSON, Esq., K.C., M.P.P.,
Provincial Secretary of the Province of Ontario, Toronto.



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REPORT

Of W. W. Dunlop, Inspector of Prisons and Public Charities, for the year ending October 31st, 1918.

GENERAL.

On the 31st October, 1918, exclusive of patients in the Homewood Sanatorium at Guelph, there were in the Hospitals for the Insane of Ontario 6,172 insane persons divided as follows:—

Males	3,036
Females	3,136
	6,172

An increase over 1917 of 19.

MOVEMENTS OF PATIENTS.

The daily average number of patients in the Provincial Hospitals for the Insane during the year was 6,134, an increase over 1917 of 102.

The total number of admissions was 1,460, a decrease of 65 over the year 1917.

The total number of discharges was 700, a decrease of 65.

The total number of deaths was 644, an increase of 130.

REVENUE.

	1917.	1918.
From paying patients	\$237,394 28	\$260,969 00
Farm and miscellaneous	38,998 88	61,170 39
	\$276,393 16	\$322,139 39

An increase of \$45,746.23.

Collection from the municipalities under the provisions of 6 Edward VII, Chap. 8, as follows:—

1917.	1918.
\$127,658 40	\$128,283 90

DEPORTATIONS.

During the year ending October 31st, 1918, 57 persons have been deported.

Number of Insane	10
Number of Criminals	43
Number likely to become a public charge	4
	57

During the year general improvements have been made in all the hospitals.

RECEPTION HOSPITAL.

In residence October 31st, 1917	43
Admitted during the year	594
	637
Transferred to Toronto Hospital	283
Discharged	300
Died	13
In residence October 31st, 1918	41
	637

W. W. DUNLOP,
Inspector.

TABLE

Showing movements of patients in the Hospital

	Brockville Hospital.			Hamilton Hospital.			Kingston Hospital.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital.....	386	378	764	656	639	1,295	311	268	579
In Residence, Oct. 31st, 1917..	378	423	801	721	651	1,372	317	263	580
Admitted during year 1918:—									
By Warrant.....	2	3	5	80	25	105	7	3	10
By Medical Certificate....	109	88	197	76	117	193	73	47	120
Voluntary.....				1		1	4	3	7
Total number under treatment during year.....	489	514	1,003	878	792	1,671	401	316	717
Discharges during year:—									
As recovered.....	39	25	64	19	24	43	36	24	60
As improved.....	20	19	39	46	40	86	11	6	17
As unimproved.....	3	1	4	2	1	3	3	4	7
As not insane.....							1		1
Total number discharged during year.....	62	45	107	67	65	132	51	34	85
Died.....	40	53	93	78	88	166	34	27	61
Deported.....	1		1	4		4			
Eloped.....	9		9	12	1	13	5		5
Transferred.....	1		1	2	1	3			
Total number admitted since opening of Hospital....	1,855	1,810	3,665	3,861	3,672	7,533	3,064	2,569	5,633
Total number discharged since opening of Hospital....	723	776	1,499	1,467	1,622	3,089	1,434	1,243	2,677
Total number died since opening of Hospital.....	632	532	1,164	1,272	1,142	2,414	962	763	1,725
Total number deported since opening of Hospital....	14	9	23	57	8	65	10	4	14
Total number eloped since opening of Hospital....	82	2	84	137	11	148	102	1	103
Total number transferr'd since opening of Hospital....	28	75	103	213	251	464	245	303	548
Total remaining in Hospital, Oct. 31st, 1918.....	376	416	792	715	638	1,353	311	255	566
Number of applications on file	18	15	33	9	11	20	4	2	6
Daily average population....	388	426	814	731	647	1,378	306	255	561
Collective days' stay of all patients in residence during year.	141,485	155,656	297,144	266,848	236,295	503,143	111,544	93,162	204,706

No. 1.

for the year ending October 31st, 1918.

London Hospital.			Mimico Hospital.			Penetang Hospital.			Toronto Hospital.			Totals.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
511	555	1,066	340	320	660	166	203	369	426	426	852	2,796	2,789	5,585
582	611	1,193	346	335	681	167	202	369	551	606	1,157	3,062	3,091	6,153
21	1	22	47	27	74	10	7	17	46	12	58	213	78	291
102	135	237	33	49	82	.....	8	8	129	195	324	522	639	1,161
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	3	8
705	747	1,452	426	411	837	177	217	394	726	813	1,539	3,802	3,810	7,612
35	25	60	10	19	29	.....	.....	.....	34	57	91	173	174	347
29	24	53	17	11	28	.....	1	1	47	51	98	170	152	322
3	1	4	1	.....	1	.....	.....	.....	8	3	11	20	10	30
6	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	.....	7
73	50	123	28	30	58	.....	1	1	89	111	200	370	336	706
54	53	107	44	27	71	11	13	24	67	55	122	328	316	644
.....	.....	.....	2	.....	2	.....	.....	.....	1	.....	1	8	.....	8
3	1	4	3	.....	3	2	.....	2	6	3	9	40	5	45
2	.....	2	12	16	28	.....	.....	.....	2	2	4	19	19	38
4,241	3,941	8,182	2,045	1,849	3,894	329	394	723	7,075	6,744	13,819	22,470	20,979	43,449
1,850	1,794	3,644	700	630	1,330	18	22	40	3,435	3,629	7,064	9,617	9,716	19,333
1,409	1,239	2,648	614	508	1,122	112	142	254	1,962	1,555	3,517	6,963	5,881	12,844
15	4	19	48	9	57	9	.....	9	114	49	163	267	83	350
145	17	162	52	1	53	15	.....	15	170	32	202	703	64	767
249	244	493	294	363	657	12	26	38	833	837	1,670	1,874	2,099	3,973
573	643	1,216	337	338	675	163	204	367	561	642	1,203	3,036	3,136	6,172
3	12	15	10	21	31	.....	.....	.....	6	4	10	50	65	115
573	616	1,189	344	339	683	164	200	364	552	593	1,145	3,058	3,076	6,134
209,431	224,980	434,411	125,675	123,753	249,428	59,600	73,154	132,754	201,480	216,445	417,925	1,116,063	1,123,445	2,239,508

TABLE No. 2.

Showing social state and religion of patients admitted during the year and since the opening of the Hospital.

—	Admissions of Year.	In residence.	Admissions since opening.
SOCIAL STATE.			
Single	644	3,565	21,084
Married	676	2,196	21,289
Widowed	132	371	978
Divorced	2	4	16
Separated	2	4	24
Unascertained	4	32	58
Total.....	1,460	6,172	43,449
RELIGION.			
Baptists.....	64	294	1,852
Congregationalists	1	41	309
Church of England.....	290	1,175	9,402
Methodists.....	300	1,273	9,539
Presbyterians.....	256	1,049	8,376
Roman Catholics.....	329	1,427	9,266
Other Denominations.....	159	636	3,197
Unascertained	61	277	1,508
Totals.....	1,460	6,172	43,449

TABLE No. 3.

Showing nativity of patients admitted during the year and since the opening of the Hospital.

Nativity.	Admissions Year.	of Admissions since opening.
Totals born in Canada.....	1,003	26,330
Armenia		4
Assyria	9	24
Austria	14	120
Australia		4
Belgium		2
Bulgaria		12
China	5	16
Denmark	1	10
England	187	5,660
France	5	42
Finland	7	76
Galicia	1	10
Germany	8	269
Greece	3	31
Holland		11
Hungary		13
Ireland	38	5,280
Italy	19	118
Japan		1
Macedonia	1	12
Other British Possessions	5	232
Norway	2	18
Roumania	2	17
Russia	32	279
Scotland	56	2,634
South America	1	10
Spain	1	1
Switzerland		5
Sweden	1	52
Turkey		18
United States	31	1,134
West Indies	2	29
Unascertained and other countries	26	975
Totals	1,460	43,449

TABLE No. 4.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Brockville Hospital.	Hamilton Hospital.	Kingston Hospital.	London Hospital.	Mimico Hospital.	Penetanguishene Hospital.	Toronto Hospital.	Admitted this year.	Since opening.
Professional :— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	13	19	20	3	1	.....	9	65	771
Commercial :— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc	19	20	5	6	10	.....	22	82	2,250
Agricultural and Pastoral :— Farmers, Gardeners, Stock Men, etc	37	25	26	45	26	3	9	171	6,428
Mechanics at Outdoor Vocations :— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc	3	31	4	10	14	.....	22	84	2,165
Mechanics, etc., at Sedentary Vocations :— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc	13	16	6	10	3	1	35	84	2,736
Domestic Service :— Waiters, Cooks, Servants, etc	10	20	3	6	6	2	30	77	4,014
Education and Higher Domestic Duties :— Governesses, Teachers, Students, Housekeepers, Nurses, etc	79	112	39	106	59	12	102	509	12,967
Miners, Marine Engineers, Railway Employees, Seamen, Soldiers, etc	1	4	.....	3	4	1	16	29	501
Laborers	27	43	18	20	22	6	73	209	6,229
No Occupation .....	.....	6	14	28	11	.....	35	94	2,753
Unascertained .....	.....	3	2	22	.....	.....	29	56	2,635
Totals	202	299	137	259	156	25	382	1,460	43,449

TABLE No. 5.

Showing the Counties and Districts from which patients have been admitted during the year ending October 31st, 1918, and the Hospitals they were assigned to.

Counties and Districts.	Number received under warrant process.	Number received from private houses by medical certificates.	Total number received from respective counties during the year.	Assigned to Brockville Hospital.	Assigned to Hamilton Hospital.	Assigned to Kingston Hospital.	Assigned to London Hospital.	Assigned to Mimico Hospital.	Assigned to Penetang Hospital.	Assigned to Toronto Hospital.
Algoma District.....	13	3	16					11	4	1
Brant.....	2	21	23		23					
Bruce.....	2	16	18		2		16			
Carleton.....		75	75	73	1	1				
Dufferin.....	3	1	4		4					
Dundas.....		15	15	15						
Durham.....		6	6			5				1
Elgin.....	1	29	30				30			
Essex.....	5	17	22				21	1		
Frontenac.....	3	30	33		2	31				
Glengarry.....		11	11	11						
Grenville.....		17	17	16			1			
Grey.....	2	8	10		10					
Haldimand.....		3	3		3					
Halton.....		9	9		9					
Hastings.....	2	28	30	1		28		1		
Huron.....	1	14	15				15			
Kent.....		22	22				22			
Kenora.....										
Lambton.....	2	16	18				18			
Lanark.....	3	29	32	32						
Leeds.....		19	19	19						
Lennox and Addington.....	2	12	14			14				
Lincoln.....		14	14		13			1		
Manitoulin.....										
Middlesex.....	10	67	77		1		75			1
Muskoka District.....	5	4	9					7	2	
Nipissing District.....	29	14	43					36	6	1
Norfolk.....	4	10	14		14					
Northumberland.....	2	12	14			14				
Ontario.....	4	11	15					11	2	2
Oxford.....	1	15	16				16			
Parry Sound District.....	7	5	12					11	1	
Peel.....	2	9	11					11		
Perth.....	1	20	21				21			
Peterborough.....	8	11	19			2		14	2	1
Prescott.....	2	9	11	11						
Prince Edward.....		3	3			3				
Rainy River District.....	2	2	4					3	1	
Renfrew.....	1	17	18	1		17				
Russell.....		2	2	2						
Simcoe.....	5	14	19		1			15	3	
Sudbury.....										
Stormont.....			18	18						
Temiskaming.....										
Thunder Bay District.....	16	2	18					14	3	1
Victoria and Haliburton.....	5	9	14		1	2		10	1	
Waterloo.....	11	31	42		41		1			
Weland.....	7	11	23		23					
Wellington.....	1	16	17		16		1			
Wentworth.....	69	55	124		124					
York.....	45	353	398	3	11			10		374
Unascertained.....			42			20	22			
Totals.....	278	1,182	1,460	202	299	137	259	156	25	382

TABLE No. 5a.

Showing the counties and districts from which the entire number of patients admitted to the Hospitals have been received, including the admissions of the present year; also the counties and districts from which the patients remaining in residence the 31st October, 1918, were originally admitted.

Counties and Districts.	Admissions of the year.	Total admissions.	Patients in residence 31st October, 1918.								Total.
			Brockville Hospital.	Hamilton Hospital.	Kingston Hospital.	London Hospital.	Mimico Hospital.	Penetang Hospital.	Toronto Hospital.		
Algoma District.....	16	305	.....	12	.....	2	28	26	5	73
Brant.....	23	659	.....	107	.....	1	1	2	1	118
Bruce.....	18	675	.....	6	.....	107	.....	4	3	120
Carleton.....	75	1,633	260	3	33	.....	1	3	1	301
Dufferin.....	4	177	.....	25	.....	.....	2	3	2	32
Dundas.....	15	305	18	.....	2	.....	2	.....	.....	22
Durham.....	6	548	3	1	11	.....	1	9	11	36
Elgin.....	30	700	.....	1	.....	90	.....	3	2	96
Essex.....	22	653	3	3	.....	110	1	.....	1	118
Frontenac.....	33	1,488	8	11	110	.....	.....	3	1	133
Glengarry.....	11	386	37	.....	8	.....	.....	.....	1	46
Grenville.....	17	450	40	.....	2	.....	.....	.....	1	43
Grey.....	10	798	.....	100	1	7	7	9	1	125
Haldimand.....	3	408	1	44	.....	.....	1	.....	.....	46
Halton.....	9	440	1	39	.....	1	2	.....	2	45
Hastings.....	30	972	9	1	87	1	2	2	2	104	
Huron.....	15	967	2	1	.....	112	.....	2	6	123
Kent.....	22	711	2	1	.....	107	1	.....	.....	111
Kenora.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Lambton.....	18	911	3	2	1	116	.....	1	.....	123
Lanark.....	32	748	85	.....	16	.....	.....	1	.....	96
Leeds.....	19	766	95	1	8	.....	.....	.....	1	105
Lennox and Addington.....	14	516	2	.....	46	.....	2	2	2	54
Lincoln.....	14	604	.....	51	.....	.....	.....	.....	1	52
Manitoulin.....	.....	29	.....	.....	.....	.....	5	.....	.....	5
Middlesex.....	77	2,368	2	4	1	292	2	2	2	305	
Muskoka District.....	9	206	.....	2	.....	.....	13	14	2	31
Nipissing District.....	43	394	1	8	2	.....	87	19	1	118
Norfolk.....	14	433	.....	51	1	.....	.....	2	.....	54
Northumberland.....	14	811	3	2	70	.....	3	8	7	93
Ontario.....	15	889	1	5	2	2	46	21	16	93	
Oxford.....	16	785	1	4	.....	93	2	1	3	104
Parry Sound District.....	12	157	.....	4	.....	.....	38	5	4	51
Peel.....	11	533	1	7	.....	.....	35	3	6	52
Perth.....	21	823	3	6	.....	116	2	.....	.....	127
Peterborough.....	19	613	1	.....	8	.....	62	7	5	83
Prescott.....	11	344	64	2	3	.....	.....	2	.....	71
Prince Edward.....	3	300	.....	.....	34	.....	1	.....	1	36
Rainy River District.....	4	94	.....	.....	.....	.....	14	7	.....	21
Renfrew.....	18	595	11	.....	66	.....	.....	3	1	81
Russell.....	2	146	36	1	1	.....	.....	.....	.....	38
Simcoe.....	19	1,274	3	19	.....	3	82	62	12	181
Sudbury.....	.....	5	.....	3	.....	.....	.....	.....	.....	3
Stormont.....	18	509	63	.....	4	.....	.....	1	1	69
Temiskaming.....	.....	11	1	4	.....	.....	.....	.....	.....	5
Thunder Bay District.....	18	231	1	7	1	3	38	19	3	72	
Victoria and Haliburton.....	14	745	.....	3	6	.....	67	9	6	91
Waterloo.....	42	670	.....	146	.....	2	1	1	7	157
Welland.....	23	615	2	89	2	.....	1	1	2	97
Wellington.....	17	1,063	.....	159	.....	2	.....	5	5	171
Wentworth.....	124	2,609	3	368	4	3	3	7	5	393	
York.....	398	9,739	26	43	11	8	112	93	1,066	1,359	
Unascertained.....	42	630	.....	6	31	31	2	14	4	88
New Brunswick.....	.....	2	.....	1	.....	.....	.....	.....	.....	1
United States.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	1,460	43,449	792	1,353	566	1,216	675	367	1,203	6,172	

TABLE No. 6.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Male.	Female.	Total.	Inherited Predisposition.			Un-ascertained.
				Male.	Female.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.).....	44	51	95	9	22	31	55
Mental Strain, Worry and Overwork (not included in above).....	72	82	154	33	47	80	59
Religious Excitement	7	7	14	2	3	5	8
Love Affairs, including seduction	3	3	6	1	.....	1	5
Fright and Nervous Shock	3	13	16	3	6	9	7
PHYSICAL.							
Alcoholism	43	5	48	14	2	16	8
Sexual Excess .....	.....	.....	.....	.....	.....	.....	3
Venereal Diseases	45	7	52	1	1	2	8
Masturbation	3	.....	3	1	.....	1	11
Insolation.....	1	4	5	1	2	3	3
Accident or Injury	15	3	18	2	1	3	14
Pregnancy .....	.....	14	14	.....	3	3	7
Parturition and Puerperium .....	.....	25	25	.....	10	10	6
Lactation .....	.....	1	1	.....	.....	.....	3
Climacteric Period	1	10	11	1	3	4	3
Fevers	1	.....	1	.....	.....	.....	3
Privation and Overwork	4	19	23	2	4	6	43
Epilepsy	30	28	58	7	4	11	20
Other Convulsive Diseases	13	3	16	4	1	5	.....
Diseases of Brain and Skull.....	17	6	23	3	1	4	13
Senility	38	62	100	.....	1	1	56
Exophthalmic Goitre	3	11	14	1	2	3	1
Epidemic Influenza	1	1	2	1	.....	1	1
Abuse of Drugs.....	16	7	23	.....	.....	.....	16
Loss of Special Sense.....	1	.....	1	.....	.....	.....	1
Uræmia .....	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection.....	1	.....	1	.....	.....	.....	1
Other Bodily Diseases	13	15	28	2	2	4	24
HEREDITARY.							
Congenital Defect	40	41	81	24	25	49	27
Unascertained	318	302	620	292	277	569	227
Not Insane	7	.....	7	.....	.....	.....	6
Totals.....	740	720	1,460	404	417	821	639

TABLE No. 7.

Showing hereditary tendency to insanity in patients admitted during the year.

	Admitted During Year.		
	Male.	Female.	Total.
Paternal Branch.....	48	48	96
Maternal Branch.....	45	62	107
Paternal and Maternal Branches.....	19	29	48
Collateral Branches.....	41	49	90
No hereditary tendency.....	210	216	426
Unascertained.....	372	316	688
Not insane.....	5	.....	5
Totals.....	740	720	1,460

TABLE No. 8.

Showing summary of probational discharges during the year.

	Male.	Female.	Total
Number Granted Probational Discharge.....	346	391	737
Discharged, Recovered while on Probation.....	84	112	196
" Improved " ".....	102	90	192
" Unimproved " ".....	5	3	8
Died.....	3	1	4
Returned to Hospital.....	77	104	181
Absent on Probation on October 31st, 1918.....	75	81	156

TABLE No. 9.

Showing the causes of death of patients who died during the year ending October 31st, 1918.

Cause of Death.	Brockville Hospital.	Hamilton Hospital.	Kingston Hospital.	London Hospital.	Mimico Hospital.	Penetang Hospital.	Toronto Hospital.	Total.
Specific Infectious Diseases:—								
Typhoid Fever								
Influenza								
Cerebro-spinal Meningitis							1	1
Diphtheria								
Erysipelas	1							1
Septicæmia	2		1	1		1	2	7
Dysentery				1			1	2
Syphilis		9						9
Tuberculosis	20	14	6	12	14		18	84
Toxemia								
Jaundice								
Constitutional Diseases:—								
Rheumatism							1	1
Arthritis Deformans								
Diabetes Mellitus								
Diseases of the Digestive System:—								
Mouth, salivary glands								
Pharynx								
Tonsils								
Esophagus								
Enteritis								
Stomach								
Diseases of the Intestines:—								
Diseases of the Liver			1	3	1			5
Diseases of the Pancreas								
Diseases of the Peritoneum	2		4	2				8
Intestinal obstruction								
Diseases of the Respiratory System:—								
Diseases of the Nose and Larynx								
“ “ Bronchi	3	3			2			8
“ “ Lungs	11	11	19	4	8	5	9	67
“ “ Pleura			1	1			2	4
Diseases of the Circulatory System:—								
Diseases of the Pericardium								
“ “ Heart	3	7	2	6	1	5	6	30
Arterio-sclerosis	19	1	2			3	6	31
Aneurism								
Diseases of the Blood and Ductless Glands:—								
Anæmia				1				1
Pernicious Anæmia				1	1			2
Leucæmia								
Exophthalmic Goitre	2					2	1	5
Diseases of the Genito-Urinary System								
			2	2		1	1	6
<i>Carried forward</i>	63	45	38	34	27	17	48	272

TABLE No. 9—Continued.

Showing the causes of death of patients who died during the year ending October 31st, 1918.

Cause of Death.	Brockville Hospital.	Hamilton Hospital.	Kingston Hospital.	London Hospital.	Mimico Hospital.	Penetang Hospital.	Toronto Hospital.	Total.
<i>Brought forward</i>	63	45	38	34	27	17	48	272
Diseases of the Nervous System:—								
Diseases of the Nerves.....								
" " Spinal Cord								
" " Meninges.....	1							1
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Throm- bosis, Hemorrhage, and other gross lesions)	7	7	4	3	3	4	3	31
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria).....	1	3		1			2	7
Epilepsy.....		6	1	4	5		1	17
Mental Diseases:—								
Exhaustion of Acute Mental Disease	12	29	5	12	22		8	88
Exhaustion of Chronic Mental Disease		17		17	14		1	49
General Paresis	5	13	3	9			20	50
Intoxications:—								
Alcoholism							1	1
Morphinism								
Metallic Poisoning.....								
Heat Stroke.....								
Debility of Old Age.....	3	44	6	21			33	107
Accident.....		1						1
Suicide	1	1	2	2			3	9
Surgical Diseases								
Gynæcological Diseases			1					1
Malignant New Growths, or Cancer.....			1	4		3	2	10
Pellagra.....								
Unknown (died on probation).....								
Totals.....	93	166	61	107	71	24	122	644

TABLE No. 10.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses :—									
(a) Fever Delirium.....									
(b) Infection Delirium.....	1	6	7	1	1	2	2	2	2
(c) Post Infection Psychoses.....	5	3	8	6	5	11	1	2	3
Exhaustion Psychoses :—									
(a) Collapsed Delirium.....	2	6	8	3	3	1	4	5	5
(b) Acute Confusional Psychoses.....	4	23	27	4	14	18	1	11	12
(c) Neurasthenia.....	1	3	4	2	4	8			
(d) Psychasthenia.....									
Intoxication Psychoses :—									
(a) Acute Intoxications.....									
(b) Chronic.....									
(a) Alcoholism (acute and chronic).....	33	2	35	25	2	27	4	1	5
(b) Delirium Tremens.....	2		2	2		2			
(c) Korsakow's Psychoses.....							2		2
(d) Acute Alcoholic Hallucinosi.....	2		2						
(e) Alcoholic Hallucinatory Dementia.....									
(f) " Paranoia.....								1	1
(g) " Paresis.....									
(h) Morphinism.....	13	5	18	8	4	12			
(i) Cocainism.....	1		1						
(j) Pelagra.....									
Thyroigenous Psychoses :—									
(a) Mixœdematous Psychoses.....									
(b) Cretinism.....									
(c) Hyparthyroganous.....									
(d) Exophthalmic Goitre.....									
Dementia Præcox :—									
(a) Hebaphrenic.....	80	77	157	25	18	43	29	18	47
(b) Catatonic.....	146	140	286	78	67	145	37	51	88
(c) Paranoid.....	58	57	115	20	22	42	17	17	34
General Paresis.....	49	8	57	11	4	15	48	7	55
Organic Dementias :— Traumalie.....	4	2	6	1	1	2	2	2	2
(a) Cerebral Sclerosis.....		1	1				1		
(b) Huntingdon's Chorea.....	1	2	3					2	2
(c) Multiple Sclerosis.....	1		1						
(d) Cerebral Syphilis.....	2		2				1		1
(e) Tabetic Psychoses.....	1		1	1		1			
(f) Arterio-sclerotic Psychoses.....	12	5	17	4	4	8	8	8	16
(g) Cerebral Tumor, Abscess, Hæmorrhage.....	7	2	9	4	1	5	5		5
(h) Tramutic Dementia.....									
(i) Sunstroke.....		1	1						
Involution Psychoses :—									
(a) Melancholia.....	19	69	88	12	22	34	9	22	31
(b) Pre-senile Delusional Psychoses.....	4	3	7	5	2	7	4	4	8
(c) Senile Dementia.....	61	91	152	23	16	39	58	74	132
(d) Presbyphrenia.....									
<i>Carried Forward.....</i>	509	506	1,015	230	190	420	226	226	452

TABLE No. 10.—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	509	506	1,015	230	190	....	226	226	452
Manic Depressive Psychos:—									
(a) Manic States.....	83	88	171	47	73	120	35	33	68
(b) Depressed States	47	80	127	44	42	86	14	18	32
(c) Mixed States.....	1	7	8	6	7	13	4	3	7
Paranoia	9	3	12	1	....	1	....	....	....
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses.....	39	10	49	13	4	17	17	7	24
(b) Hysterical Psychoses	1	2	3	....	6	6	....	1	1
(c) Sexualis Psychopathca.....	....	1	1	....	1	1	....	....	....
(d) Post Apoleptic .....	....	....	....	....	....	....	....	....	....
States of Deficient Mental Development:—									
(a) Imbecility.....	41	21	62	21	9	30	8	9	17
(b) Idiocy .....	....	1	1	....	1	1	1	....	1
(c) Hypochondriac .....	....	....	....	....	....	....	....	....	....
Not Diagnosed	4	1	5	4	3	7	23	19	42
Not Insane.....	7	....	7	7	....	7	....	....	....
Totals.....	740	720	1,460	*373	336	709	328	316	644

* Includes 3 deported.

TABLE No. 11.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on October 31st, 1918.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month.	199	239	21	18	11	93
From 1 to 2 months	128	139	28	10	6	45
" 2 " 3 "	113	146	24	9	1	16
" 3 " 4 "	69	102	25	18	3	26
" 4 " 5 "	92	74	18	18	.....	26
" 5 " 6 "	84	81	31	26	1	22
" 6 " 9 "	113	143	83	46	.....	22
" 9 " 12 "	93	120	36	39	2	27
" 12 " 18 "	95	260	40	39	2	40
" 18 months to 2 years ..	52	263	8	17	3	17
" 2 to 3 years	116	420	15	26	.....	35
" 3 " 4 "	63	345	6	12	.....	23
" 4 " 5 "	44	356	5	11	.....	24
" 5 " 10 "	73	1,225	6	15	1	57
" 10 " 15 "	36	855	.....	7	.....	61
" 15 " 20 "	9	567	2	5	.....	30
" 20 years and upwards.	36	837	1	6	.....	80
Unknown	45	.....	.....	.....	.....	.....
Not insane .....	.....	.....	.....	.....	.....	.....
Totals	1,460	6,172	*349	322	30	644

* Includes 2 deported.

TABLE

Showing the general movement and result of treatment of patients in the Hospitals
1882, to the 31st

	Average daily Population.			Number of patients admitted.			Number of patients recovered.			Patients discharged improved, unimproved and deported.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Av. for 5 years 1882-1886.....	1,312	1,330	2,642	264	234	498	82	87	169	36	40	76
Av. for 5 years 1887-1891.....	1,586	1,532	3,118	314	306	620	88	85	173	38	46	84
Av. for 5 years 1892-1896.....	1,894	1,932	3,826	354	394	748	106	111	217	44	55	99
1897.....	2,097	2,157	4,254	507	398	905	107	116	223	42	52	94
1898.....	2,153	2,215	4,368	349	411	759	122	129	251	54	59	113
1899.....	2,183	2,258	4,441	368	343	711	116	145	261	48	47	95
1900.....	2,197	2,288	4,485	352	370	722	121	133	254	28	44	72
1901.....	2,236	2,368	4,604	372	370	740	145	130	275	26	31	57
Av. for 5 years 1897-1901.....	2,173	2,257	4,430	389	379	767	122	131	253	40	46	86
1902.....	2,249	2,461	4,710	381	578	959	121	139	260	51	61	112
1903.....	2,283	2,490	4,773	404	416	820	146	176	322	41	60	101
1904.....	2,346	2,551	4,897	486	537	1,023	146	156	302	39	60	99
1905.....	2,396	2,616	5,012	511	538	1,049	149	166	315	64	57	121
1906.....	2,478	2,699	5,177	517	568	1,085	142	172	314	79	76	155
Av. for 5 years 1902-1906.....	2,350	2,564	4,914	456	527	983	141	162	303	55	63	118
1907.....	2,511	2,747	5,258	568	528	1,096	146	166	312	118	97	215
1908.....	2,586	2,814	5,400	577	547	1,124	115	109	224	147	99	246
*1909.....	2,629	2,871	5,500	438	405	843	152	125	277	100	97	197
1910.....	2,662	2,879	5,541	567	573	1,140	146	169	315	126	138	264
1911.....	2,708	2,884	5,592	560	580	1,140	135	164	299	138	142	280
Av. for 5 years 1907-1911.....	2,619	2,839	5,448	542	527	1,069	139	147	286	126	114	240
1912.....	2,748	2,934	5,682	653	594	1,247	141	155	296	171	148	319
1913.....	2,832	2,990	5,822	710	627	1,337	167	147	314	181	163	344
1914.....	2,877	3,042	5,919	684	667	1,351	203	163	366	220	198	418
1915.....	2,884	3,088	5,972	689	615	1,304	146	147	293	159	182	341
1916.....	2,936	2,993	5,929	738	676	1,414	184	165	349	158	168	326
Average 5 years 1912-1916.....	2,856	3,009	5,865	695	636	1,331	168	156	324	178	172	390
1917.....	2,993	3,039	6,032	918	726	1,644	206	196	402	174	181	355
1918.....	3,058	3,076	6,134	740	720	1,460	175	174	349	198	162	360

* 10 months ending October 31st, 1909.

No. 12.

for the Insane of the Province during the thirty-seven years from January 1st, October, 1918.

Number of patients who died.			Percentage of recoveries to average daily population.			Percentage of deaths to average daily population.			Number of patients remaining in Hospitals at end of each year.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
91	63	154	6.25	6.54	6.39	6.94	4.74	5.83	1,329	1,446	2,775
88	83	171	5.56	5.88	5.55	5.56	5.42	5.48	1,600	1,601	3,201
124	93	217	5.59	5.75	5.67	6.55	4.82	5.69	1,910	1,955	3,865
145	117	262	5.10	5.38	5.24	6.91	5.42	6.17	2,116	2,163	4,279
130	108	238	5.67	5.88	5.77	6.04	4.88	5.46	2,152	2,236	4,388
160	132	292	5.31	6.42	5.87	7.28	5.85	6.57	2,176	2,251	4,427
136	133	269	5.51	5.82	5.67	6.19	5.81	6.00	2,198	2,300	4,498
150	107	257	6.48	5.47	5.97	6.70	4.52	5.61	2,236	2,368	4,604
144	120	264	5.61	5.79	5.70	6.22	5.29	5.96	2,175	2,264	4,439
158	129	287	5.38	5.65	5.52	7.02	5.24	6.09	2,248	2,464	4,712
150	139	289	6.39	7.07	6.75	6.57	5.58	6.05	2,287	2,492	4,779
172	163	335	6.22	6.12	6.18	7.35	6.39	6.84	2,328	2,543	4,871
141	147	288	6.22	6.34	6.28	5.88	5.62	5.75	2,435	2,657	5,092
173	184	357	5.73	6.37	6.06	5.73	6.37	6.06	2,491	2,720	5,211
159	152	311	5.99	6.31	6.15	6.51	5.84	6.18	2,358	2,575	4,933
197	176	373	5.82	6.04	6.01	7.84	6.41	7.09	2,549	2,765	5,314
193	158	351	4.45	3.87	4.15	7.46	5.61	6.50	2,614	2,877	5,491
132	127	259	5.89	4.38	5.11	5.02	4.42	4.71	2,634	2,897	5,531
174	164	338	5.48	5.87	5.69	6.54	5.69	6.10	2,688	2,921	5,609
200	215	415	4.99	5.68	5.33	7.38	7.45	7.42	2,715	2,925	5,640
179	168	347	5.30	5.17	5.25	6.85	5.92	6.38	2,640	2,877	5,517
241	219	460	5.13	5.29	5.21	8.77	7.46	8.09	2,769	2,957	5,726
213	195	408	5.89	4.82	5.38	7.52	6.52	6.99	2,881	3,031	5,912
219	195	414	7.06	5.36	6.18	7.54	6.40	7.00	2,882	3,104	5,986
282	233	515	5.07	4.76	5.06	9.78	7.54	8.62	2,924	3,116	6,040
240	248	488	6.23	5.51	5.88	8.17	8.28	8.23	2,877	3,025	5,902
239	218	457	5.86	5.13	5.54	8.36	7.24	7.78	2,867	3,047	5,914
287	227	514	6.88	6.45	6.66	9.59	7.47	8.52	3,062	3,091	6,153
328	316	644	5.73	5.66	5.78	10.07	10.02	10.07	3,036	3,136	6,172

TABLE No. 13.

Showing the percentage of recoveries on the average population and admissions for the year ending October 31st, 1918.

Hospitals.	On average population.			On admission.		
	Average population.	Recovered.	Percentage.	Admission.	Recovered.	Percentage.
Brockville.....	814	64	7.86	202	64	31.7
Hamilton.....	1,378	43	3.12	299	43	14.4
Kingston.....	561	60	10.60	137	60	43.8
London.....	1,189	60	5.04	259	60	23.2
Mimico.....	683	29	4.25	156	29	18.6
Penetang.....	364	.....	.....	25	.....	.....
Toronto.....	1,145	91	7.94	382	91	23.8
Totals.....	6,134	349	5.78	1,460	349	23.9

TABLE No. 14.

Showing summary of discharges during the year.

	Male.	Female.	Total.
Discharged, Recovered.....	173	174	347
" Improved.....	170	152	322
" Unimproved.....	20	10	30
" Deported.....	8	.....	8
" Eloped.....	40	5	45
" Not Insane.....	7	.....	7
Total Number of Discharges.....	418	341	759

TABLE No. 15.

Deaths in Hospitals.

Hospitals.	No. of Deaths.	Daily average population.	Percentage of deaths on daily average population.
Brockville.....	93	814	11.4
Hamilton.....	166	1,378	12.5
Kingston.....	61	561	10.8
London.....	107	1,189	9.0
Mimico.....	71	683	10.4
Penetang.....	24	364	9.1
Toronto.....	122	1,145	10.7
Totals.....	644	6,134	10.7

TABLE NO. 16.

The following table shows the number of beds in each of the Hospitals, number in residence, number of vacancies, over population, and applications on file at close of official year.

Asylums.	Number of beds.			Number in residence on 31st October, 1918.			Number of vacancies.			Over population.			Applications on file.			
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	
Brookville	386	378	764	376	416	792	10	.....	10	.....	38	.....	38	18	15	33
Hamilton	656	639	1,295	715	638	1,353	.....	.....	1	.....	59	.....	59	9	11	20
Kingston	311	268	579	311	255	566	.....	.....	13	.....	.....	.....	.....	4	2	6
London	511	555	1,066	573	643	1,216	.....	.....	.....	.....	62	.....	62	3	12	15
Mimico	340	320	660	337	338	675	3	.....	3	.....	.....	.....	18	10	21	31
Penetang	166	203	369	163	204	367	3	.....	3	.....	.....	.....	1	.....	.....	.....
Toronto	426	426	852	561	642	1,203	.....	.....	.....	.....	135	.....	135	6	4	10
Totals	2,796	2,789	5,585	3,036	3,136	6,172	16	14	30	256	361	617	50	65	115	

TABLE No. 17.

Showing the number of officers and employees in each and all of the Hospitals classified according to the duties performed.

Occupation.	Brookville Hospital.	Hamilton Hospital.	Kingston Hospital.	London Hospital.	Mimico Hospital.	Penetang Hospital.	Toronto Hospital.	Total.
Medical Superintendents	1	1	1	1	1	1	1	7
Assistant Superintendents	1	1	1	.....	.....	.....	1	4
Assistant Physicians .....	.....	2	.....	4	1	1	2	10
Trained Nurses .....	.....	.....	.....	.....	.....	.....	.....	.....
Dentists .....	.....	1	1	.....	1	.....	1	4
Bursars	1	1	.....	1	.....	1	1	5
Bursars' Clerks	1	1	.....	1	1	.....	1	5
Stenographers and Portresses	2	3	2	3	1	1	3	15
Storekeeper and Assistants	1	3	1	2	.....	1	1	9
Matrons	1	1	.....	1	.....	1	1	5
Assistant Matrons .....	.....	2	.....	1	.....	.....	.....	3
Cooks								
Laundresses								
Housemaids								
Seamstresses								
Tailoresses	1	.....	.....	.....	.....	.....	.....	1
Bakers	1	1	1	1	1	1	1	7
Assistant Bakers .....	.....	.....	.....	.....	.....	.....	.....	.....
Butchers .....	.....	.....	.....	.....	.....	.....	.....	.....
Tailors	1	1	.....	1	.....	.....	1	4
Shoemakers .....	.....	1	.....	1	.....	.....	.....	2
Laundrymen	1	1	1	2	1	1	.....	7
Engineers and Assistants	3	3	2	3	3	2	2	18
Stokers	7	8	5	12	3	3	6	44
Bricklayers and Masons	1	2	2	2	1	1	1	10
Carpenters	2	3	1	2	1	2	1	12
Painters	1	1	1	1	1	1	1	7
Farmers	1	1	1	1	1	1	.....	6
Farmers' Assistants	6	10	3	8	3	3	2	35
Gardeners	1	1	.....	1	1	1	1	6
Assistant Gardeners	1	1	2	2	1	.....	.....	7
Chief Attendants, Male								
Supervisors, Male								
Attendants, Male								
Chief Attendants, Female								
Supervisors, Female								
Attendants, Female								
Musical Instructresses .....	.....	.....	.....	.....	.....	.....	.....	.....
Tinsmiths .....	.....	.....	.....	1	.....	.....	1	2
Totals	132	151	88	189	93	56	118	827

TABLE No. 18.

Statement of Revenue from Paying Patients and Farm and Miscellaneous Revenue.

Hospital.	No. of Paying Patients.	From Paying Patients.		From Farm and Miscel- laneous.		Total.	
		\$	c.	\$	c.	\$	c.
Brockville		32,547	42	9,600	88	42,148	30
Hamilton		63,061	49	5,123	95	68,185	44
Kingston		23,018	42	1,560	29	24,578	71
London		59,117	46	10,688	93	69,806	39
Mimico		29,085	65	529	79	29,615	44
Penetanguishene		2,874	85	1,376	48	4,251	33
Toronto.....		50,513	96	1,727	58	52,241	54
Whitby		749	75	30,562	49	31,312	24
Totals		260,969	00	61,170	39	322,139	39
Revenue from Railway Taxation, under 6 Edward VII., Cap. 9, Sec. 4, Sub- sec. 2						127,658	40
						449,797	79

TABLE No. 19.
COMPARATIVE STATEMENT OF REVENUE.

The following statement shows the revenue received from the Hospitals for each year since 1871, together with the number of paying patients in the Hospitals from year to year :

	No. of Paying Patients.	Revenue.		Increase.		Decrease.	
		\$	c.	\$	c.	\$	c.
For the year ending September 30, 1871..	118	14,045	30				
" " " 1872..	139	19,255	80	5,219	50		
" " " 1873..	171	16,660	61			2,595	19
" " " 1874..	182	20,035	77	3,373	15		
" " " 1875..	231	21,875	92	1,840	15		
" " " 1876..	256	21,175	93			699	99
" " " 1877..	323	28,093	58	6,917	65		
" " " 1878..	354	30,103	75	2,010	17		
" " " 1879..	343	32,398	26	2,794	51		
" " " 1880..	387	37,653	81	4,755	55		
" " " 1881..	414	41,066	54	3,412	73		
" " " 1882..	475	43,937	64	2,871	10		
" " " 1883..	538	59,922	59	15,984	95		
" " " 1884..	496	48,135	18			11,787	41
" " " 1885..	509	49,620	93	1,485	73		
" " " 1886..	516	53,030	05	4,309	12		
" " " 1887..	514	48,742	53			4,287	52
" " " 1888..	538	59,638	16	10,895	03		
" " " 1889..	708	66,670	64	7,032	48		
" " " 1890..	562	62,754	16			3,916	48
" " " 1891..	577	48,507	52			14,246	14
" " " 1892..	632	73,240	61	14,733	19		
" " " 1893..	661	73,415	54	174	93		
" " " 1894..	697	72,722	04			693	50
" " " 1895..	743	68,290	31			4,431	73
" " " 1896..	904	97,898	19	29,607	88		
" " " 1897..	844	100,581	25	2,683	06		
" " " 1898..	770	72,042	44			28,538	81
" " " 1899..	778	74,364	54	2,322	10		
" " " 1900..	846	81,650	87	7,286	33		
" " " 1901..	902	90,677	46	9,026	59		
" " " 1902..	959	101,076	20	10,398	74		
" " " 1903..	1,029	97,416	03			3,660	17
" " " 1904..	1,111	106,167	49	8,751	46		
" " " 1905..	1,211	114,915	59	8,748	10		
For the 3 mos. ending December 31, 1905..		54,897	06	27,403	60		
For the year ending December 31, 1906..	1,732	165,404	08	50,488	49		
" " " 1907..	1,797	166,419	63	1,015	55		
" " " 1908..	1,878	146,148	77			3,739	24
For the 10 mos. ending October 31, 1909..	1,613	140,048	18				
" " " " 1910..	1,891	168,914	54				
" " " " 1911..	1,899	183,077	18	14,162	64		
" " " " 1912..	1,963	189,096	93	6,019	75		
" " " " 1913..	1,976	205,649	41	16,552	48		
" " " " 1914..	2,110	213,517	87	7,868	46		
" " " " 1915..	2,167	225,178	83	11,660	96		
" " " " 1916..	2,209	236,805	83	11,627	00		
" " " " 1917..	2,214	237,394	28	588	45		
" " " " 1918..		260,969	00	23,574	72		

TABLE No. 20.
STATEMENT.

Showing the Expenditure on Maintenance under the different headings of the estimates for the year ending October 31st, 1918.

Headings of Estimates.	Brockville Hospital.		Hamilton Hospital.		Kingston Hospital.		London Hospital.		Mimico Hospital.		Penetang Hospital.		Toronto Hospital.	
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
School Section	100	00	100	00	100	00	.....	.....	.....	.....	250	00	.....	.....
Medicines and medical comforts.....	1,495	50	1,642	08	935	55	1,103	78	1,496	79	278	74	1,526	87
Groceries, provisions and butcher's cattle.....	65,831	87	97,061	02	42,213	64	72,925	75	47,036	98	21,641	19	89,485	38
Fuel, light and water.....	37,862	18	52,652	58	38,468	29	45,516	58	27,604	76	13,961	96	33,389	04
Clothing.....	9,989	99	11,207	05	7,260	90	15,240	73	6,700	03	5,354	66	8,759	25
Laundry and cleaning.....	3,633	38	3,935	25	2,712	56	6,084	27	2,892	78	1,018	27	5,878	98
Office expenses.....	1,458	92	1,394	57	773	88	1,390	45	841	98	229	79	790	87
Farm expenses.....	9,880	44	15,439	51	6,283	54	16,419	14	4,986	63	5,296	65	1,492	09
Contingencies	2,087	72	3,267	77	1,381	04	1,812	71	1,277	57	490	33	2,399	07
Total expense.....	133,400	00	186,639	83	100,129	40	160,493	41	92,837	52	48,521	59	143,712	55
Salaries	60,241	99	70,663	30	45,160	35	78,012	61	45,213	87	27,844	60	61,505	74
Grand Totals	193,641	99	257,363	13	145,289	75	238,506	02	138,051	39	76,366	19	205,218	29

TABLE

Comparative Statement of Average Maintenance Cost per Capita

	Brockville.		Hamilton.		Kingston.	
	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
Days' residence of patients.....	283,531	284,371	478,932	465,282	202,925	208,321
Average number of patients	776.89	779.09	1,312.14	1,274.74	555.96	570.74
	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.
MEDICINES.....	.53	.48	.35	.32	.46	.55
Medicines and Medical comforts.....	.53	.48	.35	.32	.46	.55
PROVISIONS.....	17.90	15.49	18.73	18.48	20.49	17.32
Breakfast Foods and Cereals.....	.57	.36	.66	.40	.53	.41
Butter	2.36	2.30	3.36	2.92	2.90	2.66
Coffee and Tea.....	.58	.40	.55	.50	.36	.33
Eggs.....	.65	.57	.99	.96	.61	.45
Flour, Bread, etc.....	3.84	3.11	3.36	3.34	3.72	3.07
Fruit and Vegetables—Fresh .....	.78	.51	.45	.63	.98	.70
“ “ Canned and Dried .....	.55	.82	.95	1.12	.93	.98
Milk.....	1.28	1.20	1.44	1.28	1.18	1.31
Potatoes.....	.38	.66	.63	1.19	.85	1.02
Salt, Spices, Pickles, etc .....	.10	.11	.08	.07	.17	.13
Sugar and Syrup.....	1.20	1.20	1.15	.85	1.42	1.20
Unenumerated Groceries	1.20	.84	1.29	1.07	1.38	1.03
Butchers' Meat.....	4.00	3.04	3.23	3.74	4.10	3.45
Fish and Fowl.....	.49	.37	.69	.41	1.36	.58
FUEL, LIGHT AND WATER.....	12.73	10.20	7.82	6.01	17.58	11.18
Coal and Wood.....	11.08	8.36	6.16	4.58	17.47	11.11
Electricity .....	.09	.18	.49	.54	.....	.....
Gas.....	.36	.33	.23	.24	.....	.....
Oil, Candles, Matches, etc .....	.10	.11	.06	.01	.11	.07
Water.....	1.10	1.22	.88	.64	.....	.....
CLOTHING.....	3.12	3.41	2.57	1.88	3.57	3.43
Clothing—Dry Goods	2.40	2.63	2.25	1.53	2.99	2.80
Boots, Shoes, etc .....	.72	.78	.32	.35	.58	.63
LAUNDRY AND CLEANING.....	1.27	.99	.74	.59	1.26	.87
Brushes, Brooms and Mops .....	.13	.15	.12	.11	.24	.21
Miscellaneous Expenses .....	.28	.29	.17	.15	.38	.20
Soap.....	.86	.55	.45	.33	.64	.46
GENERAL REPAIRS.....	5.20	2.05	2.17	1.81	4.30	4.08
Furniture and Furnishings.....	5.02	1.32	1.93	1.26	3.89	2.95
Plant .....	.18	.73	.25	.55	.41	1.13
OFFICE EXPENSES.....	.51	.47	.29	.32	.37	.37
Miscellaneous Items.....	.16	.14	.09	.14	.11	.15
Postage.....	.23	.19	.11	.10	.15	.12
Telephone and Telegraph.....	.12	.14	.09	.08	.11	.10
SALARIES.....	21.25	19.82	14.76	13.94	22.15	20.80
Supt. and Physicians.....	1.59	1.78	1.36	1.30	1.58	2.09
Bursar and Assistants.....	1.69	1.55	1.49	1.44	2.19	1.96
Matron and Assistants.....	3.38	2.88	2.56	2.57	2.51	2.30
Engineer and Assistants	2.20	2.17	1.39	1.23	2.50	2.20
Artisans, not Domestic	1.09	1.04	.69	.76	1.51	1.40
Farm and Garden.....	2.40	2.13	1.65	1.50	1.54	1.37
Teachers.....	.....	.....	.....	.....	.....	.....
Attendants and Nurses.....	8.78	8.25	5.56	5.07	10.30	9.27
Temporary Assistance.....	.12	.02	.06	.07	.02	.21

No. 21.

per Day for the Twelve Months ending 31st October, 1918.

London.		Mimico.		Orillia.		Penetang.		Toronto.		Woodstock.	
This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
433,622	425,607	240,439	237,583	365,492	343,158	632,962	633,417	374,507	360,249	15,536	76,411
1,188.04	1,116.21	658.74	650.91	1,001.35	940.16	361.28	365.39	1,026.05	986.99	206.95	299.35
Cents. .23	Cents. .21	Cents. .62	Cents. .54	Cents. .43	Cents. .55	Cents. .21	Cents. .15	Cents. .40	Cents. .37	Cents. .78	Cents. .87
.23	.21	.62	.54	.43	.55	.21	.15	.40	.37	.78	.87
16.19	15.36	18.50	15.56	12.14	11.82	13.27	12.15	20.55	17.96	18.11	16.03
.46	.41	.73	.55	.61	.37	.36	.28	.34	.33	.42	.31
2.72	2.59	3.02	2.72	1.34	1.91	2.07	2.21	3.26	2.80	3.19	3.21
.73	.64	.46	.36	.45	.34	.54	.47	.55	.48	.49	.41
.23	.29	.48	.35	.35	.30	.....	.01	.54	.62	.08	.07
3.26	2.86	3.69	2.98	3.55	3.40	3.47	2.93	3.23	2.76	3.75	2.66
.74	.25	.83	.62	.41	.48	.38	.54	.51	.47	.32	.87
.39	.50	.41	.67	.35	.53	.51	.45	.64	1.00	1.57	1.03
1.35	1.61	1.39	1.31	.75	.97	1.49	1.42	3.04	1.78	2.83	2.72
.46	.40	.23	.24	.31	.13	.36	.53	1.21	1.24	.72	1.08
.07	.06	.09	.08	.07	.07	.02	.03	.09	.08	.04	.01
1.22	1.23	1.14	1.00	.93	.92	.46	.40	1.11	.99	1.39	1.15
1.09	.88	.76	.80	1.01	.73	.91	.77	1.03	.93	.68	.40
2.82	3.24	4.55	3.51	1.46	1.42	1.74	1.67	3.58	3.77	1.75	1.28
.65	.40	.72	.37	.55	.25	.96	.44	1.42	.71	.88	.83
9.58	7.81	11.41	7.20	10.39	6.94	12.37	7.66	10.86	5.39	10.24	9.35
8.95	7.12	10.83	6.71	9.73	6.24	10.27	5.37	8.75	3.66	7.28	5.72
.45	.55	.48	.40	.52	.54	.21	.11	.33	.20	.63	.74
.12	.12	.....	.....	.....	.....	.....	.....	.49	.62	.....	.....
.06	.02	.10	.09	.03	.02	.03	.13	.06	.05	.01	.03
.....	.....	.....	.....	.11	.14	1.86	2.05	1.23	.86	2.32	2.86
3.22	2.93	2.79	2.14	4.45	3.34	3.71	3.02	1.95	1.09	.62	.64
2.43	2.41	2.43	1.75	3.42	2.47	2.70	2.14	1.62	.75	.41	.46
.79	.52	.36	.39	1.03	.87	1.01	.88	.33	.34	.21	.18
1.36	.98	1.33	1.05	1.14	.86	.62	.55	1.75	1.10	1.87	1.37
.16	.18	.21	.18	.18	.13	.12	.10	.14	.13	.13	.13
.28	.20	.27	.28	.14	.11	.15	.20	.65	.24	.92	.61
.92	.60	.85	.59	.82	.62	.35	.25	.96	.73	.82	.63
2.75	2.82	2.89	2.15	2.85	2.76	2.38	1.81	4.90	4.37	1.98	2.43
2.50	2.17	2.67	1.59	2.41	1.98	2.30	1.12	4.62	3.81	1.85	1.61
.25	.65	.22	.56	.44	.78	.08	.69	.28	.56	.13	.82
.32	.33	.35	.40	.28	.25	.17	.18	.21	.30	.36	.34
.13	.16	.11	.13	.09	.07	.04	.06	.06	.14	.08	.09
.11	.10	.12	.14	.14	.13	.06	.05	.06	.05	.12	.14
.08	.07	.12	.13	.05	.05	.07	.07	.09	.11	.16	.11
17.99	16.80	18.80	18.65	11.77	10.98	20.94	19.27	16.43	14.67	25.49	24.27
1.36	1.32	2.23	2.64	1.58	1.64	2.78	2.79	1.87	1.96	5.29	5.23
1.42	1.31	1.23	1.15	.97	.98	2.14	2.02	1.65	1.60	2.68	2.56
2.68	2.75	2.39	2.50	2.34	2.29	3.13	2.71	2.53	2.28	3.85	3.71
1.99	2.04	1.75	1.96	.94	1.06	1.90	1.90	1.40	1.07	1.19	1.16
.99	.85	.87	.82	.57	.52	2.11	1.97	.52	.63	1.04	1.05
1.73	1.59	1.89	1.92	1.09	.90	2.43	2.35	.60	.59	5.14	4.86
.....	.....	.....	.....	.35	.35	.....	.....	.....	.....	.....	.....
7.82	6.83	8.40	7.66	3.87	3.24	5.90	5.53	7.60	6.54	6.20	5.62
.....	.11	.04	.....	.06	.....	.55	.....	.26	.....	.10	.08

TABLE

Comparative Statement of Average Maintenance Cost per Capita

	Brockville.		Hamilton.		Kingston.	
	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
Days' residence of patients.....	283,331	284,371	478,932	465,283	302,925	298,321
Average number of patients	776.80	779.09	1,312.14	1,374.74	555.86	570.74
ALLOWANCES	6.65	5.70	5.49	4.21	6.15	5.79
Employees' Meals	6.08	5.39	5.29	3.89	5.84	5.60
" Uniforms .....	.37	.16	.19	.27	.26	.18
" Other Allowances .....	.20	.15	.01	.05	.05	.01
FARM AND GARDEN	5.88	5.00	4.49	4.23	3.75	3.44
Feed and Fodder.....	4.48	3.60	3.63	3.19	2.68	2.67
Miscellaneous Farm Expenses	1.12	1.00	.64	.63	.49	.49
Seeds, etc.....	.28	.40	.26	.41	.57	.28
CONTINGENCIES .....	.77	.65	.71	.82	.76	.76
Amusements, Religion, Education .....	.18	.17	.07	.08	.16	.11
Elopers, Cost of Recovery .....	.02	.02	.01	.01	.01	.02
Freight, Duties, etc.....	.10	.13	.06	.11	.14	.15
Ice .....	.04	.04	.14	.18	.....	.01
Incidental Expenses.....	.34	.26	.36	.39	.41	.45
Officers' Travelling Expenses.....	.09	.03	.07	.05	.04	.02
Per Capita cost per day, less Salaries.....	47.91	38.74	37.87	34.46	52.54	42.00
" " " " " of Salaries	27.90	25.52	20.25	18.15	28.30	26.59
Total gross per Capita cost	75.81	64.26	58.12	52.61	80.84	68.59
Less total recovery per Capita per day	20.21	16.66	19.31	18.10	16.81	15.36
Net per Capita burden payable by Province.....	55.60	47.60	38.81	34.51	64.03	53.23

N.B.—The accompanying is a Comparative Statement of the cost of maintenance per patient per day for the twelve months ending 31st October, 1918, in the nine Hospitals for the Insane, as compared with the twelve months ending 31st October, 1917, based on actual consumption and calculated to two places of decimals of a cent. The figures in black-faced type represent totals.

Under the headings "Provisions" and "Clothing" is shown the actual consumption by patients—the value of such supplies to officers, attendants, nurses and employees being included under the heading "Allowances."

Where no charge is shown for light or water, these are included in the cost of coal.

No. 21—*Concluded.*

per Day for the Twelve Months ending 31st October, 1918.—*Concluded.*

London.		Mimico.		Orillia.		Penetang.		Toronto.		Woodstock.	
This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
433,622	425,667	240,439	237,583	365,492	343,158	132,962	133,417	347,507	360,249	75,536	76,411
1,188.00	1,116.21	658.74	650.91	1,001.35	940.16	261.28	365.39	1,026.05	986.99	206.95	209.35
Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.
4.85	4.55	5.84	4.84	3.49	3.39	5.02	4.75	4.33	4.31	7.86	6.97
4.45	4.25	5.32	4.40	3.33	3.25	4.50	4.41	3.96	4.03	7.23	6.46
.35	.27	.40	.28	.15	.11	.30	.20	.29	.26	.12	.18
.05	.03	.12	.16	.01	.03	.22	.14	.08	.02	.51	.33
4.99	4.25	3.83	3.35	2.26	2.25	4.57	4.65	.41	.25	12.02	10.21
3.69	3.22	2.84	2.28	1.83	1.66	3.69	4.07	.17	.13	8.78	8.17
.72	.58	.79	.72	.35	.42	.62	.45	.22	.11	2.07	1.30
.58	.45	.20	.35	.08	.17	.26	.13	.02	.01	1.17	.74
.40	.35	.53	.49	.39	.32	.56	.52	.62	.75	.30	.25
.09	.09	.11	.11	.06	.07	.07	.04	.08	.07	.12	.05
.03	.01	.02	.01	.....	.....	.....	.....	.....	.01	.....	.....
.04	.04	.05	.04	.14	.12	.19	.15	.11	.17	.09	.07
.....	.....	.12	.13	.....	.....	.....	.....	.25	.31	.....	.....
.22	.19	.23	.20	.13	.11	.26	.31	.15	.16	.03	.10
.02	.02	.....	.....	.06	.02	.04	.02	.03	.03	.06	.03
39.04	35.04	42.25	32.88	34.33	29.09	37.86	30.69	41.65	31.58	46.28	41.49
22.84	21.35	24.64	23.49	15.26	14.37	25.96	24.02	20.76	18.98	33.35	31.24
61.88	56.39	66.89	56.37	49.59	43.46	63.82	54.71	62.41	50.56	79.63	72.73
20.58	18.06	19.02	18.39	8.91	7.10	8.17	9.01	14.01	14.83	42.97	38.02
41.30	38.33	47.87	37.98	40.68	36.36	55.65	45.70	48.40	35.73	36.66	34.71

TABLE

Comparisons, Appropriations, Expenditures, Consumption, Population

—	Brockville.	Hamilton.	Kingston.
Days' residence of patients,	283,531	478,932	202,925
Average number of patients.....	776 80	1,312 14	555 96
Medicines.....Appropriation.....	\$1,800 00	\$1,800 00	\$1,800 00
Expenditure.....	1,495 50	1,642 08	935 55
Consumption	1,495 50	1,642 08	935 55
Provisions .....Appropriation.....	70,000 00	98,000 00	45,000 60
Expenditure.....	66,831 87	97,061 02	42,213 64
Consumption.....	50,756 19	89,716 37	41,577 15
Fuel, Light and Water.....Appropriation.....	43,000 00	55,000 00	40,000 00
Expenditure.....	37,862 18	52,652 58	38,463 29
Consumption.....	36,105 19	37,457 96	35,665 75
Clothing, etc.....Appropriation.....	10,000 00	12,000 00	9,000 00
Expenditure.....	9,989 99	11,297 05	7,260 90
Consumption.....	8,841 08	12,290 23	7,236 98
Laundry, etc.....Appropriation.....	4,200 00	4,000 00	3,000 00
Expenditure.....	3,693 38	3,935 25	2,712 56
Consumption.....	3,609 23	3,563 60	2,562 03
General Repairs, etc.....Appropriation.....	.....	.....	.....
Expenditure.....	.....	.....	.....
Consumption.....	14,732 37	10,397 98	8,731 24
Office.....Appropriation.....	1,500 00	2,000 00	1,500 00
Expenditure.....	1,458 92	1,394 57	773 88
Consumption.....	1,458 92	1,396 40	752 88
Salaries .....Appropriation.....	68,057 00	83,600 00	58,950 00
Expenditure.....	60,241 99	70,663 30	44,939 40
Consumption.....	79,088 83	96,974 29	57,422 34
Farm, etc.....Appropriation.....	10,000 00	15,500 00	7,000 00
Expenditure.....	9,880 44	15,439 51	6,283 54
Consumption.....	16,686 67	21,533 72	7,610 84
Contingencies.....Appropriation.....	2,600 00	3,850 00	2,550 00
Expenditure.....	2,187 72	3,367 77	1,481 04
Consumption.....	2,175 15	3,367 77	1,550 72
Total Maintenance.....Appropriation.....	211,157 00	275,750 00	168,800 00
Expenditure.....	193,641 99	257,363 13	145,068 80
Consumption.....	214,949 13	278,340 40	164,045 48
Capital Accounts .....Appropriation.....	32,350 00	31,100 00	20,300 00
Expenditure.....	31,138 37	27,863 30	17,921 14
Grand Totals .....Appropriation.....	243,507 00	306,850 00	189,100 00
Expenditure.....	224,780 36	285,226 43	162,989 94
REVENUE COLLECTIONS.			
From paying patients this year to date.....	32,547 42	63,061 49	23,018 42
“ “ last “	28,172 40	52,343 49	22,224 25
Patients Revenue per capita this year.....cents	11.48	13.17	11.34
“ “ last “	9.91	11.25	10.67
From Farm and Misc. Sales this year.....	\$9,600 88	5,123 95	1,560 29
“ “ last “	6,035 34	15,721 81	1,622 67
Farm and Misc. Revenue per capita this year.....cents	3.39	1.07	.77
“ “ last “	2.12	3.37	.78
Total Revenue this year.....	\$42,148 30	68,185 44	24,578 71
“ “ last “	34,207 74	68,065 30	23,846 92
Total Revenue per capita per day this year.....cents	14.87	14.24	12.11
“ “ last “	12.03	14.62	11.45
Farm Production Consumption this year.....cents	5.34	5.07	4.70
“ “ last “	4.63	3.48	3.91
Total Recovery per capita this year.....cents	20 21	19.31	16.81
“ “ last “	16.66	18.10	15.36

No. 22.

and Revenue for the Twelve Months ending 31st October, 1918.

London.	Mimico.	Orillia.	Penetang.	Toronto.	Woodstock.
433,622	240,439	365,492	132,962	374,507	75,536
1,188 00	658 74	1,001 35	364 28	1,026 05	206 95
1,800 00	1,500 00	2,100 00	750 00	2,000 00	900 00
1,103 78	1,496 79	1,588 61	278 74	1,526 87	589 31
1,006 28	1,496 79	1,588 61	278 74	1,498 87	589 31
73,000 00	50,000 00	49,000 00	22,500 00	90,000 00	15,000 00
72,925 75	47,036 98	48,959 03	21,641 19	89,485 38	14,856 36
70,200 86	44,487 78	44,377 65	17,644 91	76,966 38	13,674 65
52,000 00	28,000 00	21,000 00	15,600 00	35,000 00	9,000 00
45,516 53	27,604 76	19,594 67	13,961 96	33,380 04	8,725 87
41,503 02	27,433 37	37,993 82	16,446 31	40,604 81	7,737 22
15,250 00	7,000 00	16,000 00	6,000 00	9,000 00	2,000 00
15,240 73	6,700 03	14,355 47	5,354 66	8,759 25	397 53
13,970 52	6,714 14	16,220 22	4,939 34	7,297 74	470 69
7,000 00	3,000 00	4,250 00	1,500 00	6,000 00	1,500 00
6,084 27	2,892 78	4,152 44	1,018 27	5,878 98	1,472 85
5,891 83	3,191 85	4,149 16	821 02	6,626 37	1,408 24
<hr/>					
11,933 66	6,940 06	10,421 86	3,161 59	18,353 93	1,498 43
1,800 00	1,200 00	1,200 00	600 00	1,500 00	500 00
1,390 45	841 98	962 74	229 79	790 87	269 79
1,390 45	841 98	962 24	229 79	791 41	269 79
82,910 00	55,575 00	55,702 00	32,143 00	70,852 00	22,026 00
78,012 61	45,213 87	42,990 63	27,844 60	61,505 74	19,256 23
99,029 28	59,253 57	55,761 11	34,517 93	77,726 08	25,191 65
17,000 00	5,000 00	6,500 00	5,500 00	1,500 00	5,500 00
16,419 14	4,986 63	5,680 36	5,296 65	1,492 09	5,455 53
21,654 91	9,211 06	8,370 03	6,070 80	1,562 40	9,078 11
2,500 00	2,200 00	1,800 00	1,150 00	3,500 00	1,000 00
1,812 71	1,277 57	1,422 71	740 33	2,399 07	317 88
1,731 75	1,277 57	1,425 59	719 33	2,330 35	229 38
253,260 00	153,475 00	157,552 00	85,743 00	219,352 00	57,426 00
238,506 02	138,051 39	139,706 66	76,366 19	205,218 29	51,341 35
268,312 56	160,848 17	181,270 29	84,850 76	233,758 34	60,147 47
33,100 00	18,000 00	21,500 00	11,300 00	26,700 00	14,300 00
27,622 72	13,527 52	17,218 83	10,125 00	25,807 39	12,310 33
286,360 00	171,475 00	179,052 00	97,043 00	246,052 00	71,726 00
266,128 74	151,578 91	156,925 49	86,491 19	231,025 68	63,651 68
59,117 46	29,085 65	17,817 83	2,874 85	50,513 96	19,756 31
52,353 30	26,512 70	14,487 59	2,908 29	52,046 03	17,872 88
13.63	12.10	4.82	2.16	13.49	26.15
12.30	11.16	4.22	2.18	14.45	23.39
10,688 93	529 79	4,641 33	1,376 48	1,727 58	4,387 19
8,946 73	3,216 52	2,417 21	2,553 40	902 41	4,243 55
2.47	.22	1 27	1.04	.46	5.81
2.10	1.35	.70	1.91	.25	5.55
69,806 39	29,615 44	22,459 16	4,251 33	52,241 54	24,143 50
61,300 03	29,729 22	16,904 80	5,461 69	52,948 44	22,116 43
16.10	12.32	6.09	3.20	13.95	31.96
14.40	12.51	4.92	4.09	14.70	28.94
4.48	6.70	2.82	4.97	.06	11.01
3.66	5.88	2.18	4.92	.13	9.08
20.58	19.02	8.91	8.17	14.01	42.97
18.06	18.39	7.10	9.01	14.83	38.02

NOTES ON PER CAPITA STATEMENT.

Attached hereto is a statement of the cost of maintenance per patient per day for the year ending October 31st, 1918, in the nine hospitals mentioned, as compared with the year 1916, being based on actual consumption.

It follows out the order of the sub-divisions of appropriations voted by the Legislature, and is calculated to two places of decimals of a cent. The figure in black-faced type represents totals.

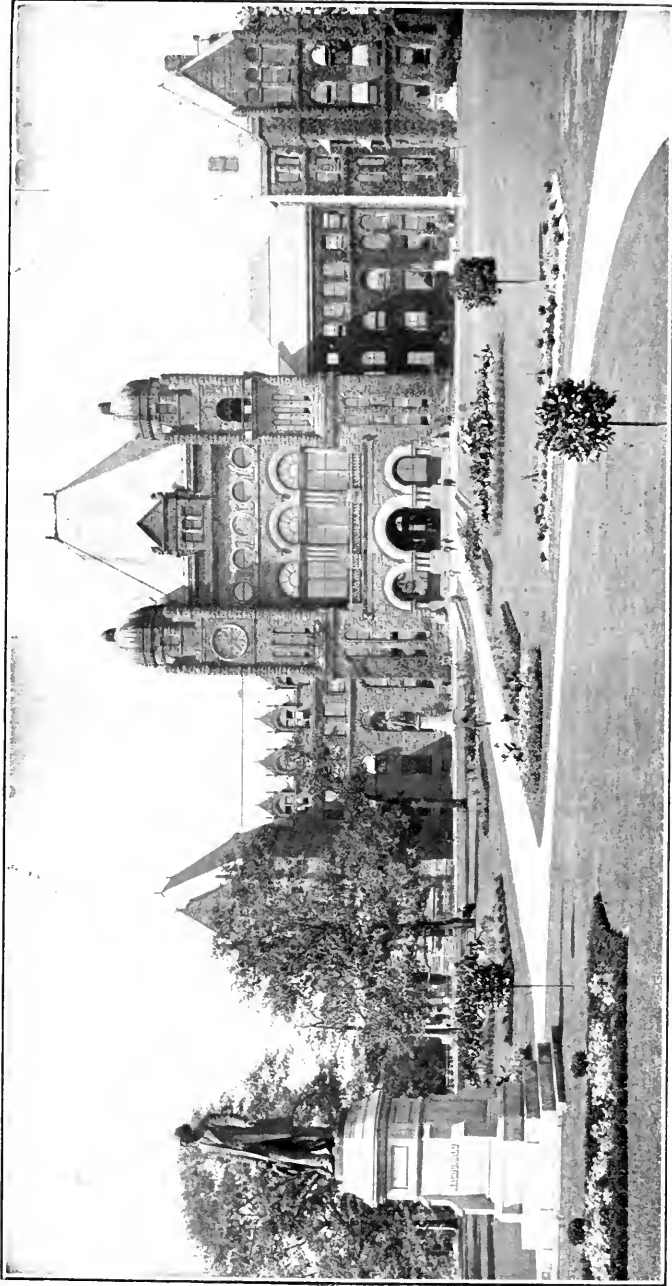
Invoices for all purchases, properly certified by the Bursar and the Store-keeper, as to accuracy and receipt of goods, are checked in the Department before being submitted to the Treasury for payment.

A system of Daily Requisitions for all supplies, such as provisions, is carried out and these requisitions are forwarded to the Department semi-weekly. In case of coal, the amount consumed on each shift is weighed and weekly report of consumption made by the engineer.

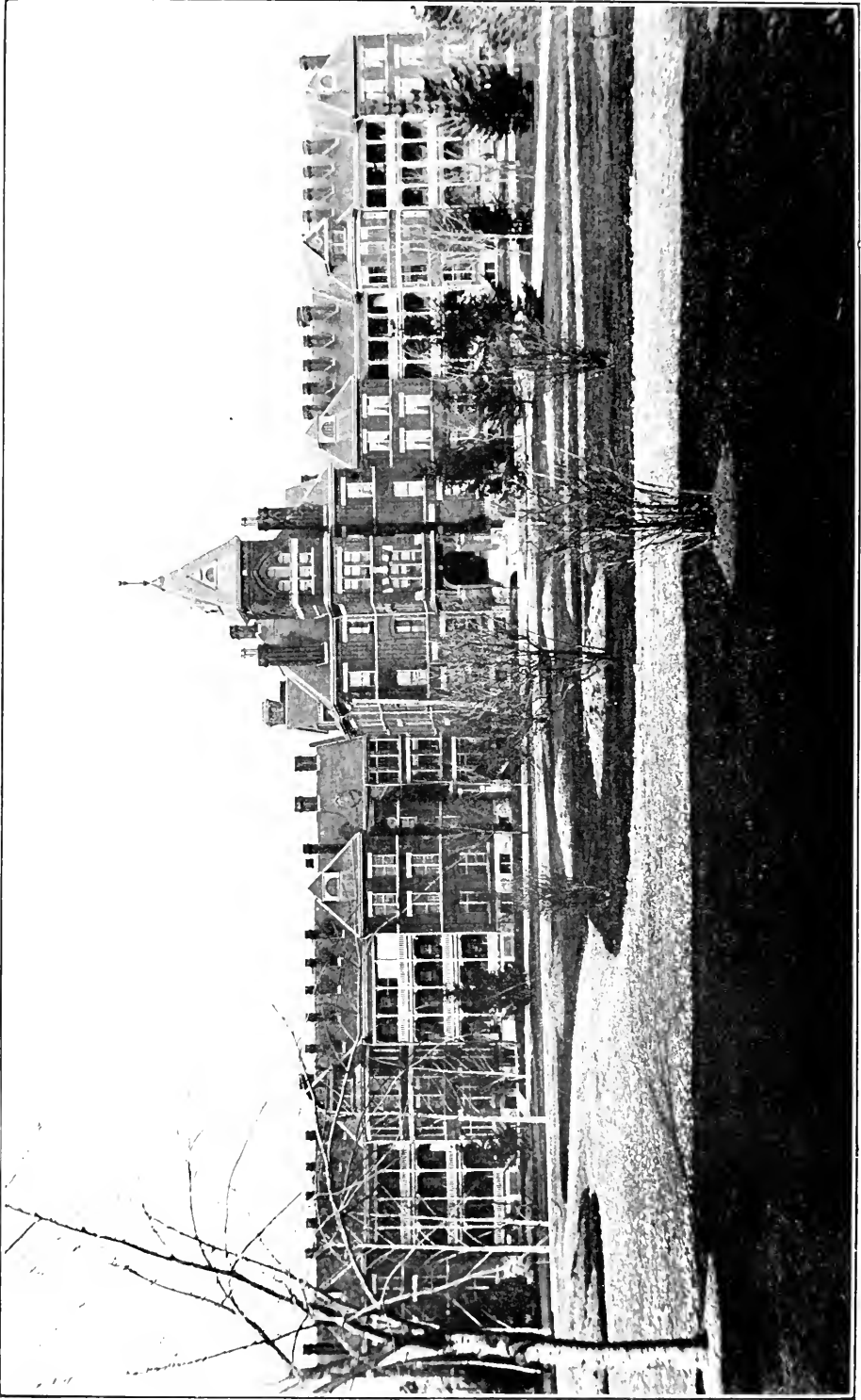
Under headings "Provisions" and "Clothing" is shown only consumption by patients—the value of such supplies to officers, attendants, nurses and employees being included in the account "Employees' Meals and Uniforms" under the heading "Salaries."

Quarterly inventories of stock are taken at each institution, and are checked with the ledger accounts of the Department.

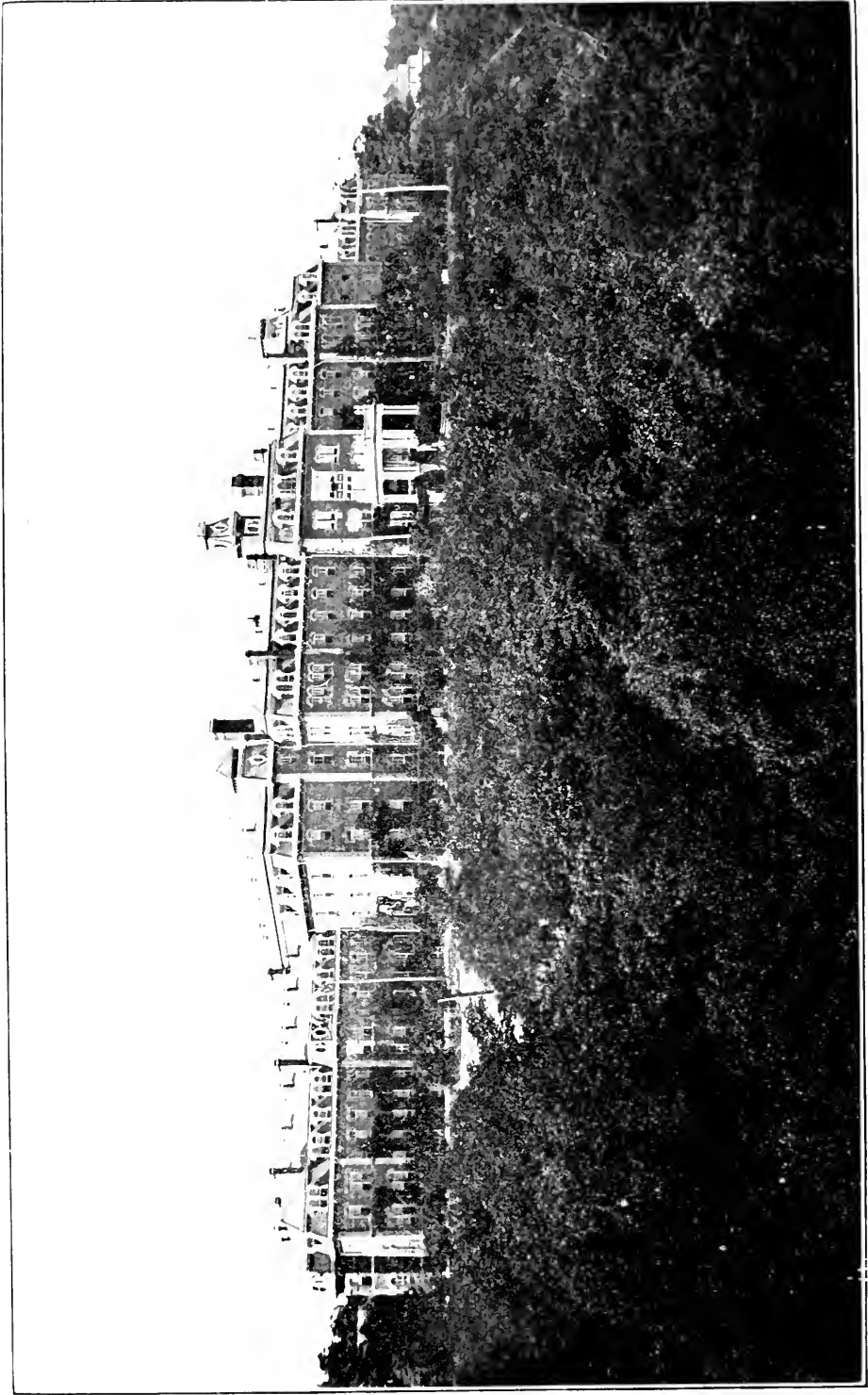
Returns are made of all products of the Farm and Garden, as received, charges being made against the cost of maintenance, and the Farm and Garden given credit for the same; for this purpose a uniform price list is in use for all institutions, regardless of soil or fertility of farm. At the end of the year the value per patient per day of such products—fruits, vegetables, feed and fodder, meat and eggs—is deducted from the gross per capita cost and appears in the statement as "Farm Recoveries."



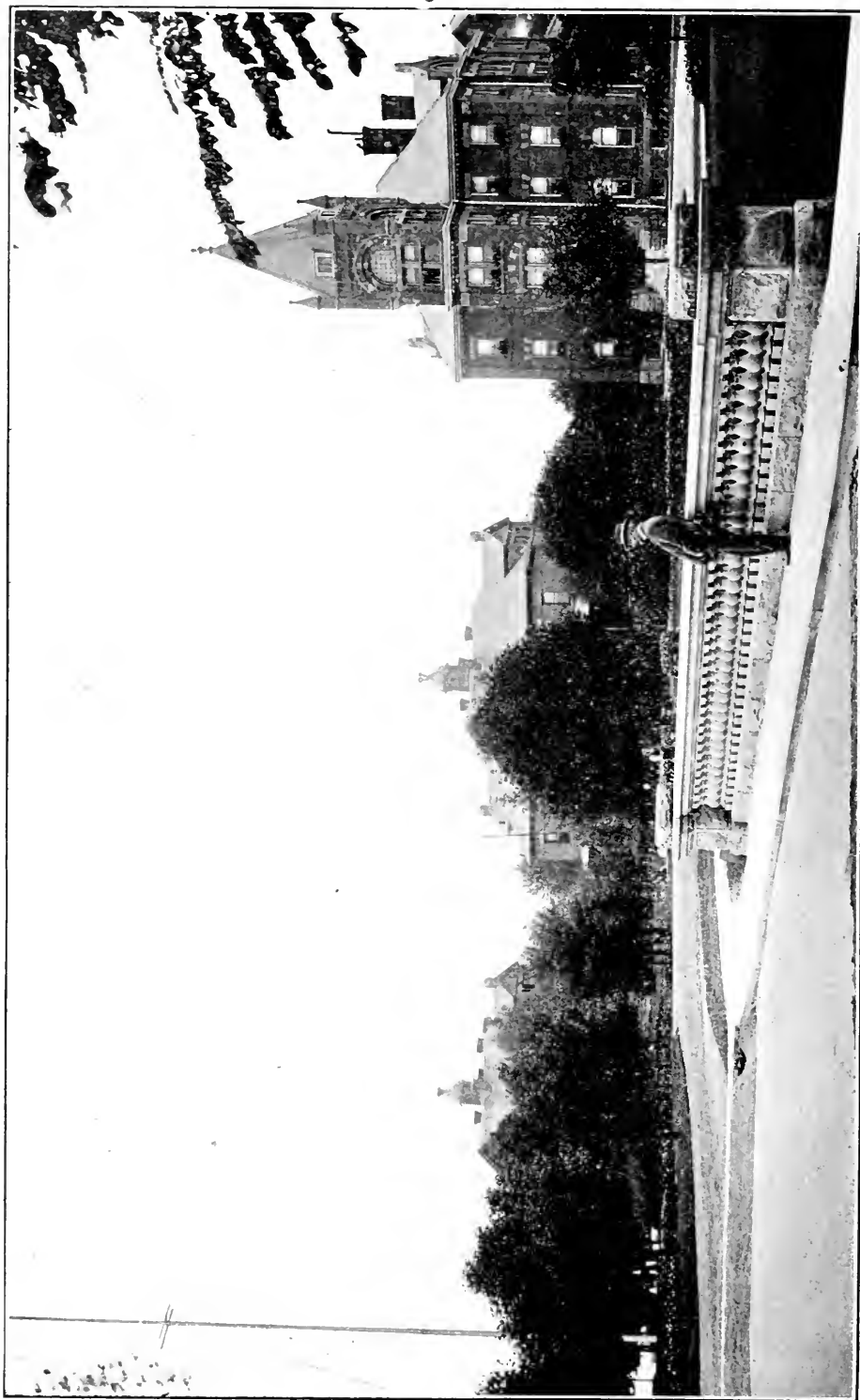
Parliament Buildings, Toronto.



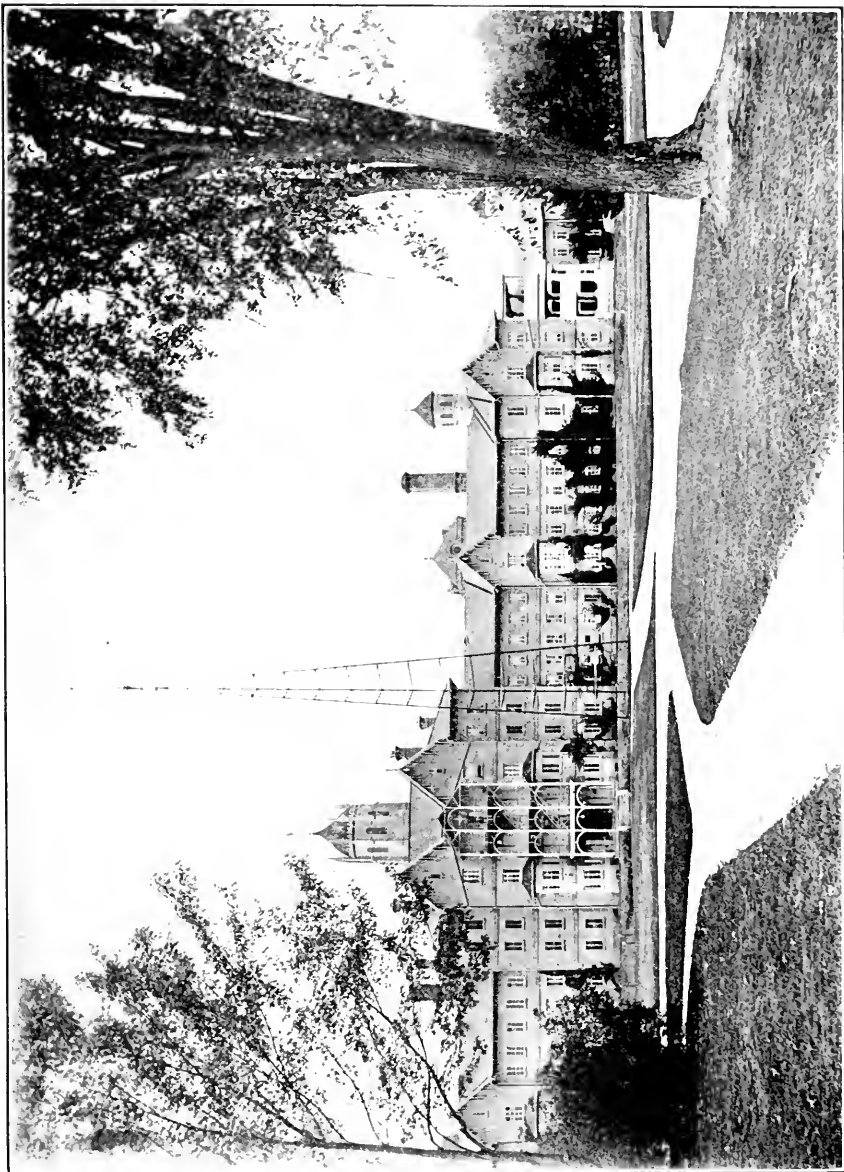
Orchard Home, Hospital for Insane, Hamilton.



Main Building, Hospital for Insane, Hamilton.



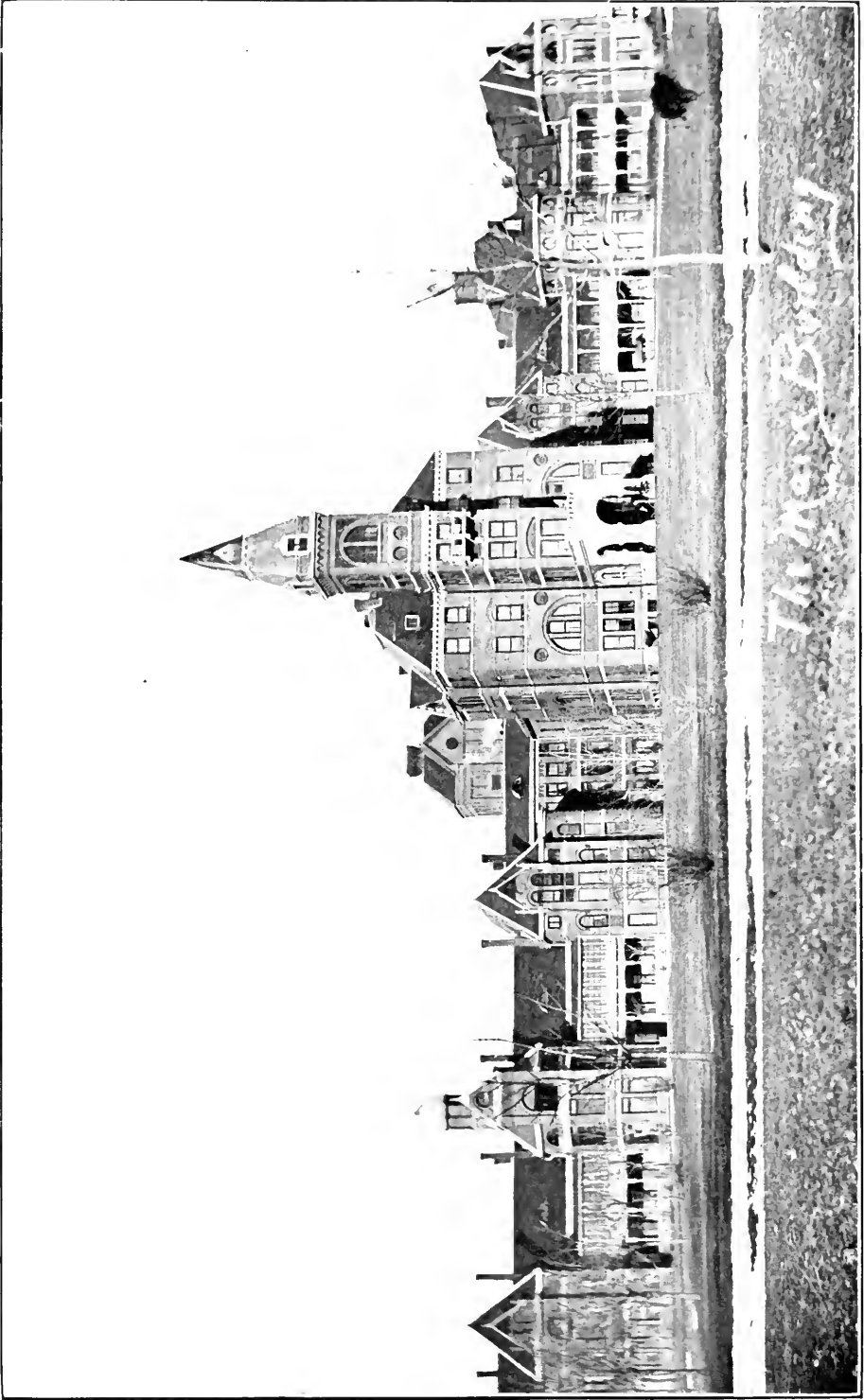
Main Building and Cottages, Mimico.



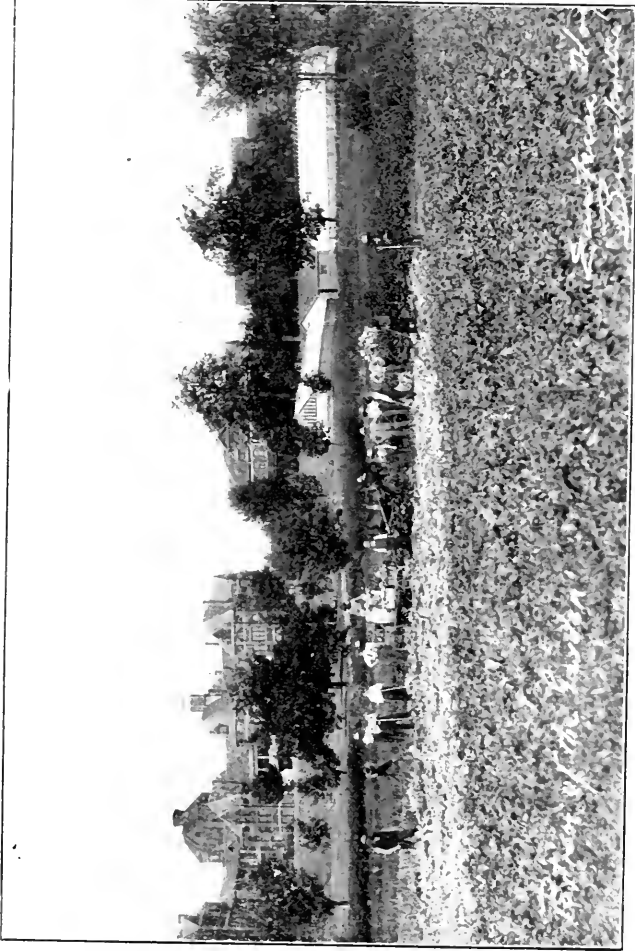
Main Building, Hospital for Insane, London.



Nurses' Home, Rockwood Hospital, Kingston.



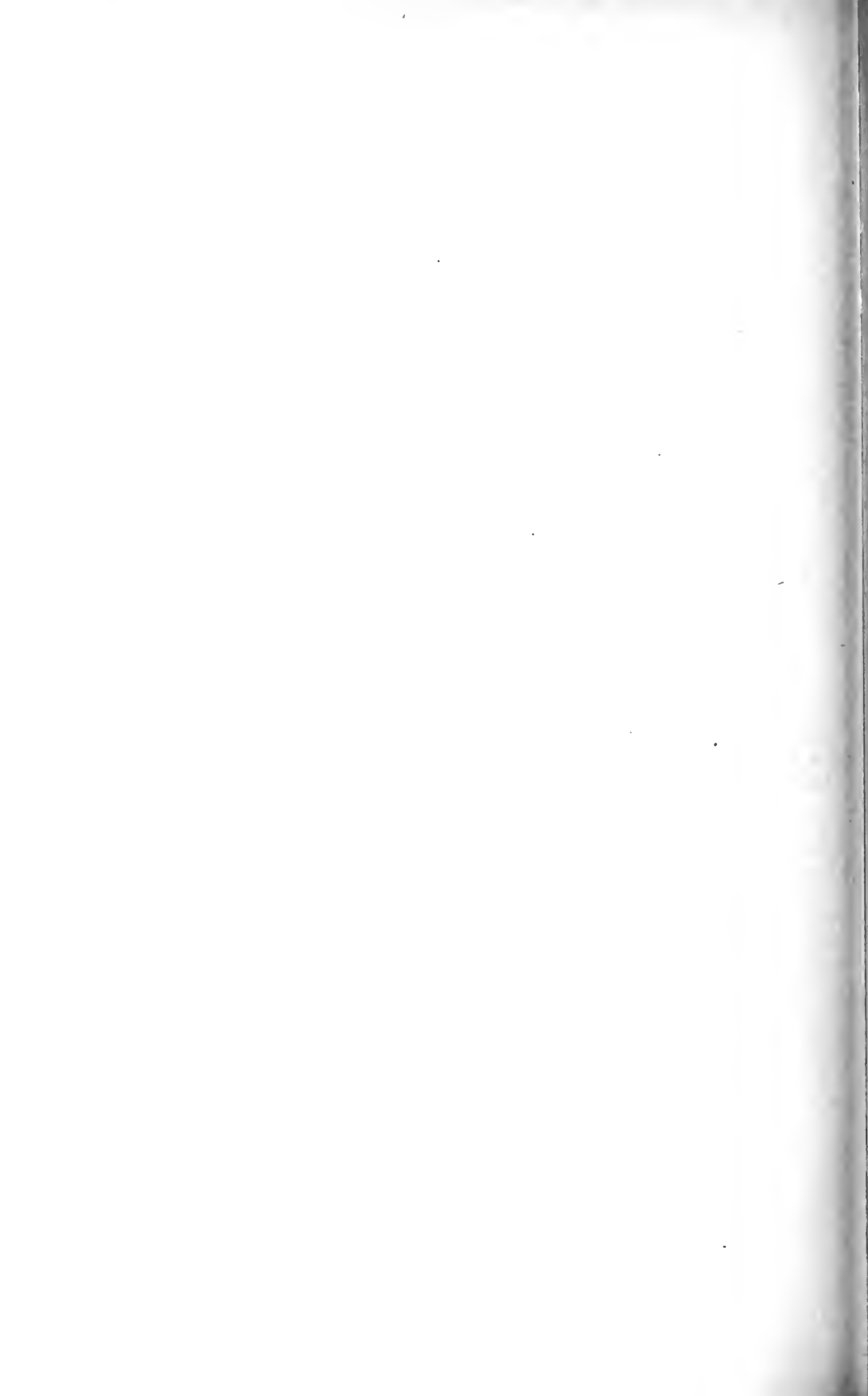
Main Building, Eastern Hospital for Insane, Brockville.



Garden, Eastern Hospital, Brockville.

A P P E N D I X

TO FIFTY-FIRST ANNUAL REPORT UPON THE HOSPITALS FOR
THE INSANE AND CONTAINING THE ANNUAL REPORTS OF
THE MEDICAL SUPERINTENDENTS OF THE HOSPITALS IN
BRÓCKVILLE, HAMILTON, KINGSTON, LONDON, MIMICO, PENE-
TANGUISHENE, TORONTO, AND HOMEWOOD SANITARIUM,
GUELPH.



ANNUAL REPORT OF THE MEDICAL SUPERINTENDENT,
HOSPITAL FOR THE INSANE, BROCKVILLE,
YEAR ENDING OCTOBER 31st, 1918.

BROCKVILLE, January 29th, 1919

W. W. DUNLOP, Esq.,

Inspector of Prisons and Public Charities.

SIR,—I have the honour to submit the Report of this Hospital for the year ending October 31st, 1918.

On November 1st, 1917 there remained in the Hospital a population of 801 patients—378 males and 423 females. From November 1st, 1917 to October 31st, 1918 there were admitted 111 males and 91 females, a total of 202. Of these 17 males and 10 females were admitted voluntary and 3 females and 2 males by warrant. The total number under treatment was 1,003.

There have been 39 males and 25 females, a total of 64, discharged as recovered. Twenty males and 19 females, a total of 39, discharged as improved and three males and one female discharged as unimproved: a total in all discharged—62 males, 45 females—107.

The deaths were 40 males and 53 females—a total of 93. The deaths were much in advance of any previous year. This is partly due to the Epidemic of Influenza which began so severely in October but principally to the passing away of many of our very old patients who had been in residence many years.

We had one male deported, one transferred to another Hospital and nine eloped so that there were remaining in the Hospital on October 31st, 1918, 376 males, 416 females, a total of 792.

The work in our Training School was quite successful and our nurses took a high standing, comparing favorably with any other Institution in the Province. The average standing in all years was good. Our Graduation Exercises on the 10th of June were very successful, and we had ten graduates many of whom have followed different activities in life and some are adhering to the nursing profession. The attendance was large.

We had the usual success with our annual sports and the patients had a very enjoyable day. The exhibit of work done by the women patients did them great credit. This day is always a "red letter" one in the Institution.

We also contributed our quota to the exhibit at the National Exhibition, Toronto. We not only had an exhibit of patients' work, which reflected great credit on those taking part, but an excellent exhibit of farm and garden produce.

We made a very creditable exhibit of re-educational work at the meeting of the American Medico-Psychological Association in Chicago the first week in June. This work of patients' attracted a good deal of attention from those interested in our Hospital work.

The tiling left unfinished last year in our cottage, bath-rooms, lavatories and pantries has been completed.

Our Medical Staff for the year has practically consisted of the Assistant Superintendent, Dr. Kidd, and myself.

The returns from farm and garden were excellent. The grain crop was exceptionally good and gave a large yield. We had 27 acres of Marquis Wheat that yielded slightly over 40 bushels per acre.

We again feel greatly indebted to the Clergymen who rendered us such excellent service during the year, each denomination doing their best not only to look after the sick but to give us regular church services.

We are indebted to the staff for their loyalty and co-operation throughout the work of the year.

Again thanking you for your kindly consideration and advice,

I have the honour to be. Sir.

Your obedient servant.

J. C. MITCHELL.

Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, BROCKVILLE, FOR THE YEAR
ENDING OCTOBER 31ST, 1918.

TABLE No. 1—BROCKVILLE.

Showing movements of patients in the Hospital for the official year ending October 31st, 1918.

	Male.	Female.	Total	Male.	Female.	Total.
Capacity of Hospital.....	386	378	764			
In Residence October 31st, 1917.....				378	423	801
Admitted during the year 1918:						
By Warrant.....	2	3	5			
By Medical Certificate.....	109	88	197	111	91	202
Total number under treatment during the year 1918.....				489	514	1,003
Discharges during year:						
As recovered.....	39	25	64			
" improved.....	20	19	39			
" unimproved.....	3	1	4			
" not insane.....						
Total number discharged during year....	62	45	107			
Died.....	40	53	93			
Deported.....	1		1			
Eloped.....	9		9			
Transferred.....	1		1	113	98	211
Remaining in Hospital October 31st, 1918.....	51	53	104	376	416	792
Total number admitted since opening of Hospital.....				1,855	1,810	3,665
Total number discharged since opening of Hospital.....	723	776	1,499			
Total number died since opening of Hospital.....	632	532	1,164			
Total number deported since opening of Hospital.....	14	9	23			
Total number eloped since opening of Hospital.....	82	2	84			
Total number transferred since opening of Hospital.....	28	75	103	1,479	1,394	2,873
Total remaining in Hospital October 31st, 1918.....	1,479	1,394	2,873	376	416	792
Daily average population.....	387.5	426.4	814.01			
Collective days' stay of all patients in residence during year.....	141,485	155,656	297,114			
Number of applications on file.....	18	15	33			

TABLE No. 2—BROCKVILLE.

Showing Social State and Religion of patients admitted during the year and since opening of Hospital.

	In residence.			Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single.....	153	161	314	63	35	98	1,668	831	1,899
Married.....	204	215	419	43	45	88	727	857	1,684
Widowed.....	16	39	55	5	10	15	57	118	175
Divorced.....	1	.....	1	.....	.....	.....	1	.....	1
Separated.....	2	1	3	.....	1	1	2	4	6
Unascertained.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	376	416	792	111	91	202	1,855	1,810	3,665
RELIGION.									
Baptists.....	14	20	34	1	1	2	52	47	99
Congregationalists.....	2	7	9	1	.....	1	13	5	18
Church of England.....	60	75	135	21	13	34	344	342	686
Methodists.....	40	60	100	27	25	52	297	351	648
Presbyterians.....	57	50	107	12	25	37	338	331	669
Roman Catholics.....	170	175	345	44	27	71	704	662	1,366
Other Denominations....	27	21	48	5	.....	5	70	60	130
Unascertained.....	6	8	14	.....	.....	.....	37	12	49
Total.....	376	416	792	111	91	202	1,855	1,810	3,665

TABLE No. 3—BROCKVILLE.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total admissions	111	91	202	1,855	1,810	3,665
Total born in Canada	97	75	172	1,518	1,504	3,022
Armenia						
Assyria				2	2	4
Austria	1		1	8	3	11
Australia						
Belgium						
Bulgaria				1		1
Central America						
China				1		1
Denmark				2		2
England	5	5	10	99	83	182
France		1	1	6	1	7
Finland						
Galicia						
Germany				6	8	14
Greece						
Holland						
Hungary						
Ireland	2	1	3	87	111	198
Italy	1	1	2	7	1	8
Japan						
Macedonia						
Other British Possessions						
Norway				1		1
Roumania						
Russia	1		1	10	15	25
Scotland	3	5	8	43	47	90
South America						
Spain				2	1	3
Sweden						
Switzerland				4		4
United States	1	3	4	38	27	65
West Indies				1		1
Unascertained				19	7	26
Totals	111	91	202	1,855	1,810	3,665

TABLE No. 4—BROCKVILLE.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this year.			Since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc	3	.....	3	39	4	43
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc	17	2	19	181	33	214
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	37	.....	37	541	.....	541
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.....	3	.....	3	187	.....	187
Mechanics, etc., at Sedentary Vocations: Shoemakers, Bookbinders, Composi- tors, Weavers, Tailors, Seam- stresses, Bakers, Factory Workers, etc.....	7	6	13	109	59	168
Domestic Service:— Waiters, Cooks, Servants, etc .....	.....	10	10	11	276	287
Education and Higher Domestic Duties:— Governesses, Teachers, Students, Housekeepers, Nurses, etc.....	6	73	79	35	1,302	1,337
Miners, Marine Engineers, Railway Em- ployees, Seamen, etc.....	1	.....	1	33	.....	33
Laborers	27	.....	27	589	.....	589
No Occupation.....	.....	.....	.....	69	113	182
Unascertained .....	.....	.....	.....	48	23	71
Soldiers.....	10	.....	10	13	.....	13
Totals	111	91	202	1,855	1,810	3,665

TABLE No. 5—BROCKVILLE.

Showing the Counties and Districts from which patients have been admitted during the year and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District.....				1		1				1		1			
Brant.....					1	1									
Bruce.....				4	2	6				2		2			
Carleton.....	34	39	73	508	546	1,054				162	119	281	117	143	260
Dufferin.....															
Dundas.....	7	8	15	93	96	189				1		1	9	9	18
Durham.....				6	8	14								3	3
Elgin.....				4	4	8				3	1	4			
Essex.....				7	4	11				4	4	8	2	1	3
Frontenac.....				18	17	35				7	7	14	3	5	8
Glengarry.....	5	6	11	104	107	211				1	1	2	18	19	37
Grenville.....	11	5	16	141	145	286				1	2	3	19	21	40
Grey.....				3	1	4				1	1	2			
Haldimand.....				3		3				3		3	1		1
Halton.....				2		2				1		1	1		1
Hastings.....		1	1	13	27	40				7	17	24	3	6	9
Huron.....				5	3	8				3		3	2		2
Kent.....				7	1	8				4		4	2		2
Lambton.....				8	1	9				5	1	6	3		3
Lanark.....	20	12	32	189	183	372		3	3	33	29	62	42	43	85
Leeds.....	15	4	19	259	230	489				32	19	51	41	54	95
Lennox and Ad- dington.....				5	5	10				4	5	9	1	1	2
Lincoln.....				3	2	5				2	2	4			
Middlesex.....				18	16	34				10	6	16		2	2
Muskoka District..				1		1									
Nipissing District..				4	2	6							1		1
Norfolk.....				2		2				1		1			
Northumberland..				7	4	11				6	3	9	3		3
Ontario.....				4	9	13				4	7	11		1	1
Oxford.....				5	3	8				5	1	6	1		1
Temiskaming.....					1	1								1	1
Peel.....				4	2	6				2		2	1		1
Perth.....				6	1	7				6		6	2	1	3
Peterborough.....				4	2	6				4	2	6	1		1
Prescott.....	7	4	11	95	103	198		2	2	44	38	82	29	35	64
Prince Edward...				2	3	5				1	1	2			
Rainy River Dis- trict.....										2	2	4			
Renfrew.....		1	1	23	28	51				8	5	13	4	7	11
Russell.....	2		2	61	56	117				4		4	17	19	36
Simcoe.....				8	3	11				5	2	7	3		3
Stormont.....	9	9	18	153	129	282				40	11	51	29	34	63
Thunder Bay Dis- trict.....				3		3							1		1
Victoria.....					8	10				2	7	9			
Waterloo.....				2		2				1		1			
Welland.....				3	1	3				3		3	1	1	2
Wellington.....				1	3	4				1		1			
Wentworth.....				4	5	9				3	2	5	2	1	3
York.....	1	2	3	53	45	98				43	35	78	17	9	26
Unascertained.....				7	3	10				1	1	2			
Totals.....	111	91	202	1,855	1,810	3,655	2	3	5	471	328	799	376	416	792

TABLE No. 6—BROCKVILLE.

Showing the assigned Causes of Insanity in the cases admitted during year.

Causes.	Men.	Women.	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.).....	3	5	8	1	5	6	2
Mental Strain, Worry and Overwork (not included in above).....	25	25	50	15	20	35	15
Religious Excitement.....	1	2	3	1	2	3	.....
Love Affairs, including seduction.....	1	.....	1	1	.....	1	.....
Fright and Nervous Shock.....	2	4	6	.....	2	2	4
PHYSICAL.							
Alcoholism.....	5	.....	5	4	.....	4	1
Sexual Excess.....	.....	.....	.....	.....	.....	.....	.....
Veneral Diseases.....	8	.....	8	.....	.....	.....	8
Masturbation.....	.....	.....	.....	.....	.....	.....	.....
Insolation.....	.....	.....	.....	.....	.....	.....	.....
Accident or Injury.....	3	.....	3	.....	.....	.....	3
Pregnancy.....	.....	.....	.....	.....	.....	.....	.....
Parturition and Puerperium.....	.....	4	4	.....	1	1	3
Lactation.....	.....	.....	.....	.....	.....	.....	.....
Climacteric Period.....	.....	2	2	.....	.....	.....	2
Fevers.....	.....	2	2	.....	2	2	.....
Privation and Overwork.....	1	5	6	1	1	2	4
Epilepsy.....	3	2	5	2	.....	2	3
Other Convulsive Diseases.....	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull.....	6	.....	6	.....	.....	.....	6
Senility.....	7	9	16	.....	.....	.....	16
Exophthalmic Goitre.....	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza.....	.....	.....	.....	.....	.....	.....	.....
Abuse of Drugs.....	1	1	2	.....	.....	.....	2
Loss of Special Sense.....	.....	.....	.....	.....	.....	.....	.....
Uræmia.....	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection.....	1	.....	1	.....	.....	.....	1
Other Bodily Diseases.....	1	2	3	1	1	2	1
HEREDITARY.							
Congenital Defect.....	17	9	26	17	8	25	1
Unascertained.....	26	19	45	9	12	21	24
Not Insane.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	111	91	202	52	54	106	96

TABLE No. 7—BROCKVILLE.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted During Year.			Since Opening.		
	Male.	Female.	Total.	Male	Female.	Total.
Paternal Branch	13	10	23	228	218	446
Maternal Branch	13	9	22	197	210	407
Paternal and Maternal Branches.....	9	12	21	76	68	144
Collateral Branches	8	16	24	230	255	485
No Hereditary Tendency	35	26	61	767	669	1,436
Unascertained	33	18	51	357	390	747
Totals.....	111	91	202	1,855	1,810	3,665

TABLE No. 8—BROCKVILLE.

Showing summary of Probational discharges during the year.

	Male.	Female.	Total.
Number Granted Probational Discharge	46	39	85
Discharged, Recovered while on probation	21	18	39
" Improved. " " 	12	9	21
" Unimproved " " 	1	.....	1
Died while on probation.....	.....	.....	.....
Returned to Hospital while on probation.....	4	5	9
Absent on Probation on October 31st, 1918	8	7	15

TABLE No. 9—BROCKVILLE.

Showing the Causes of Death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever					1	1
Influenza				3	2	5
Cerebro-spinal Meningitis				1	1	2
Diphtheria						
Erysipelas		1	1	3	5	8
Septicæmia		2	2	6	9	15
Dysentery				6	14	20
Syphilis					1	1
Tuberculosis	11	9	20	103	104	207
Constitutional Diseases:—						
Rheumatism					1	1
Arthritis Deformans						
Diabetes Mellitus					1	1
Diseases of the Digestive System:—						
Mouth, salivary glands					1	1
Pharynx						
Tonsils						
Œsophagus					1	1
Diseases of the Intestines:—						
Diseases of the Liver				6	4	10
“ “ Pancreas						
“ “ Peritoneum	1	1	2	6	8	14
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx				2		2
“ “ Bronchi	3		3	7	1	8
“ “ Lungs	5	6	11	30	30	60
“ “ Pleura				1	1	2
Diseases of the Circulatory System:—						
Diseases of the Pericardium				1	1	2
“ “ Heart	1	2	3	49	40	89
Arterio-sclerosis	9	10	19	60	51	111
Aneurism				1		1
Diseases of the Blood and Ductless Glands:—						
Anæmia				3	2	5
Pernicious Anæmia						
Leukæmia						
Exophthalmic Goitre	1	1	2			
Diseases of the Genito-Urinary System						
				20	12	32
<i>Carried forward</i>	31	32	63	308	291	599

TABLE No. 9—BROCKVILLE—*Continued.*

Showing the Causes of Death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	31	32	63	308	291	599
Diseases of the Nervous System:—						
Diseases of the Nerves				1	.....	1
" " Spinal Cord				2	.....	2
" " Meninges	1	.....	1	1	5	6
Organic Diseases of the Brain: (Tumor, Abscess, Embolism, Throm- bosis, Hæmorrhage and other gross lesions).....	4	3	7	35	20	55
Functional Nervous Diseases: (Paralysis Agitans, Chorea, Eclamp- sia, Hysteria)		1	1	1	3	4
Epilepsy.....				54	25	79
Mental Diseases:—						
Exhaustion of Acute Mental Disease..	1	11	12	23	54	77
Exhaustion of Chronic Mental Disease				69	47	116
General Paresis	2	3	5	62	13	75
Intoxications:—						
Alcoholism						
Morphinism						
Metallic Poisoning						
Heat Stroke						
Debility of Old Age	1	2	3	52	48	100
Accident.....					1	1
Suicide		1	1	9	6	15
Surgical Diseases				2	5	7
Gynæcological Diseases						
Malignant New Growths, or Cancer				13	13	26
Pellagra					1	1
Totals.....	40	53	93	632	532	1,164

TABLE No. 10—BROCKVILLE.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium									
(b) Infection Delirium									
(c) Post Infection Psychoses	2	1	3	2	1	3	1	1	1
Exhaustion Psychoses:—									
(a) Collapsed Delirium								2	2
(b) Acute Confusional Psychoses									
(c) Neurasthenia		3	3	1	3	4			
Intoxication Psychoses:—									
(a) Acute Intoxications									
(b) Chronic "									
(a) Alcoholism (acute and chronic)	3		3	3		3	1	1	2
(b) Delirium Tremens									
(c) Korsakow's Psychoses									
(d) Acute Alcoholic Hallucinosiis	1		1						
(e) Alcoholic Hallucinatory Dementia									
(f) " Paranoia									
(g) " Paresis									
(h) Morphinism	1	1	2	1	2	3			
(i) Cocainism									
Thyroigenous Psychoses:—									
(a) Mixœdematous Psychoses									
(b) Cretinism									
Dementia Præcox:—									
(a) Hebaphrenic	7	4	11				3	2	5
(b) Catatonic	32	29	61	13	10	23	8	17	25
(c) Paranoid	7	5	12	3	4	7	1	1	1
General Paresis	7		7	2		2	4	2	6
Organic Dementias:—									
(a) Cerebral Sclerosis									
(b) Huntingdon's Chorea	1	1	2					1	1
(c) Multiple Sclerosis									
(d) Cerebral Syphilis									
(e) Tabetic Psychoses									
(f) Arterio Sclerotic Psychoses	5	1	6				6	3	9
(g) Cerebral Tumor, Abscess, Hæmorrhage	2		2				2		2
Involution Psychoses:—									
(a) Melancholia	5	9	14	3	2	5			
(b) Pre-senile Delusional Psychoses									
(c) Senile Dementia	10	10	20	3	6	9	9	14	23
Manic Depressive Psychoses:—									
(a) Manic States	9	12	21	10	9	19	4	6	10
(b) Depressed States	7	9	16	14	5	19		2	2
(c) Mixed States					2	2			
<i>Carried forward</i>	99	85	184	55	44	99	37	52	89

TABLE No. 10—BROCKVILLE—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought forward</i>	99	85	184	55	44	99	37	52	90
Paranoia									
Psychoses from Constitutional Neuroses :—									
(a) Epileptic Psychoses	3	2	5	1	.....	1	1	.....	1
(b) Hysterical Psychoses									
(c) Sexualis Psychopathia									
States of Deficient Mental Development :—									
(a) Imbecility	8	4	12	6	1	7	2	.....	2
(b) Idiocy									
Not Diagnosed	1	.....	1					1	.....
Not Insane									
Totals	111	91	202	62	45	107	40	53	93

TABLE No. 11—BROCKVILLE.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1918.	Periods of treatment of those who were discharged re-covered during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month.....	36	17	4	3	17
From 1 to 2 months.....	20	8	10	3	11
" 2 " 3 "	21	11	4	3	2
" 3 " 4 "	5	13	2	.....	3
" 4 " 5 "	1	7	4	1	3
" 5 " 6 "	23	16	3	2	3
" 6 " 9 "	3	18	18	7	5
" 9 " 12 "	19	17	10	8	7
" 12 " 18 "	2	33	6	3	3
" 18 months to 2 years..	10	40	.....	1	2
" 2 to 3 years	9	75	1	3	4
" 3 " 4 "	8	42	1	.....	1
" 4 " 5 "	8	34	1	.....	2
" 5 " 10 "	16	153	.....	2	6
" 10 " 15 "	3	118	.....	1	10
" 15 " 20 "	1	108	.....	.....	5
" 20 years and upwards.	17	82	.....	.....	9
Totals.....	202	792	64	39	93

HOSPITAL FOR THE INSANE, HAMILTON.

November 1st, 1918.

W. W. DUNLOP, Esq.,

*Inspector, Hospitals for Insane.**Parliament Buildings, Toronto, Ontario.*

SIR.—In compliance with the Statute, I beg herewith to submit the forty-third Annual Report of this Hospital, being for the year ending October 31st, 1918.

Our admissions numbered 299, and discharges, as recovered, or sufficiently well to return home, 129, or 43.47 per cent. of the admissions.

The general health has been excellent, though a temporary break in the intake pipe of the City water system, allowed pollution, and a considerable number of cases of Dysentery occurred, both with us, and in the City proper, during September, but the trouble soon cleared up.

Paresis claimed a larger number by death than usual—there being 13 therefrom—and Debility incidental to old age, was assigned as a cause in 44 cases. It was a matter of interest to note that nine of these latter persons had spent from 30 to 41 years in one or other of our Provincial Hospitals.

NEW WORK.

The splendidly arranged, and excellently equipped Central Boiler House, having been completed, and an auxiliary Electric Light and Power plant installed therein, and the transformers and meters removed thereto from the Pump House on Queen and Markland Streets, and the Fire Pump from the Fire Hall, much convenience, and efficiency has resulted in the administration and the heating of the several buildings and residences has been done much more satisfactorily and economically.

The putting up of the cement walls and a considerable amount of the structural iron, has been done in the re-erection of a 100 ft. by 42 ft. Green House, purchased from a Florist, who was retiring from business, and during the coming summer, we hope to complete it, and thus add a portion of the much needed plant space, we so urgently require. The roof of the Vegetable Storage, or Root Cellar, having collapsed, advantage was taken in its replacement, to raise the stone walls some 4½ feet, and thus create an Onion loft some 60 ft. by 20 ft., which we have urgently needed for many years.

In the Main Cow Stable, a section in which was a couple of wooden Cow Pens, the lower portion of a brick silo, a large root cellar, and a meal room were gutted, and the space paved with cement and iron divisions, posts and stanchions installed, and as all the windows throughout the barn had been doubled in size, we now have one of the best lighted and ventilated that could be desired. We have also in the reconstruction of an old frame building, made an Isolation Stable, with accomodation for 10 or 12 cattle, to which can be removed any sick animals, and there the danger of infection of others is lessened.

In our Poultry section, we have been more successful than usual, and in addition to raising chickens for ourselves, were able to supply 850 chickens to four of the other Provincial Hospitals.

Every one of our pullets is trap-nested, and it was a pleasure to find that some twelve Barred Plymouth Rocks and Rhode Island Reds had laid from 225 to 240 eggs each, during the past twelve months, whereas the average Ontario hen is credited with from 80 to 90.

In our breeding pens this year, we purpose using only yearling hens, that have records of from 170 up.

The general repairs of the buildings has been well kept up.

REQUIREMENTS.

Opportunity is now afforded to arrange our Canning plant in the old Orchard House Boiler House, and Coal Shed, where live steam can be procured at any time in place of depending upon a boiler, and we hope to make the change before Spring.

We are pleased to know that our Hospitals are, in the future to be known as "Provincial Hospitals," and that the word "Insane" and "Asylum" is to be entirely eradicated from the appellation and literature, and feel assured that it will lessen the opprobrium that has been so often attached to patients who have been brought to buildings under the former names.

Our staff of Nurses and Attendants has been desperately short, however, the majority of those we have had have earnestly applied themselves, and those coming under their charge have been well cared for and with the cessation of hostilities, and releasing of munition workers, we should, in a short time, be enabled to secure adequate help.

Thanking you individually for your ready help and advice in many problems that confront us, I am,

Your obedient servant,

W. M. ENGLISH,

Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, HAMILTON, FOR THE YEAR
ENDING OCTOBER 31st, 1918.

TABLE No. 1—HAMILTON.

Showing movements of patients in the Hospital for the official year ending October 31st, 1918.

—	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital.....	656	639	1,295			
In Residence October 31st, 1917.....				721	651	1,372
Admitted during year 1918:						
By Warrant.....	80	25	105			
By Medical Certificate.....	76	117	193			
Voluntary.....	1		1	157	142	299
Total number under treatment during year.....				878	792	1,671
Discharges during year:—						
As recovered.....	19	24	43			
" improved.....	46	40	86			
" unimproved.....	2	1	3			
" not insane.....						
Total number discharged during year....	67	65	132			
Died.....	78	88	166			
Deported.....	4		4			
Eloped.....	12	1	13			
Transferred.....	2	1	3	163	155	318
Remaining in Hospital October 31st, 1918.....				715	638	1,353
Total number admitted since opening of Hospital.....				3,861	3,672	7,533
Total number discharged.....	1,467	1,622	3,089			
" died.....	1,272	1,142	2,414			
" deported.....	57	8	65			
" eloped.....	137	11	148			
" transferred.....	213	251	464	3,146	3,034	6,180
Total remaining in Hospital October 31st, 1918.....				715	638	1,353
Daily average population.....	731	647	1,378			
Collective day's stay of all patients in residence during year.....	266,848	236,295	503,143			
Number of applications on file.....	9	11	20			

TABLE No. 2—HAMILTON.

Showing Social State and Religion of patients admitted during the year and since opening of Hospital.

	Admissions of year.			In residence.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single	68	53	121	498	321	819	2,035	1,498	3,533
Married	83	82	165	191	280	471	1,781	2,124	3,905
Widowed.....	5	6	11	24	36	60	40	48	88
Divorced.....							2	1	3
Separated.....									
Unascertained.....	1	1	2	2	1	3	3	1	4
Total.....	157	142	299	715	638	1,353	3,861	3,672	7,533
RELIGION.									
Baptists	7	10	17	35	51	86	211	252	463
Congregationalists.....				6	4	10	28	19	47
Church of England	31	26	57	117	105	222	720	663	1,383
Methodists	28	23	51	143	126	269	874	874	1,748
Presbyterians.....	17	32	49	102	101	203	694	700	1,394
Roman Catholics.....	37	30	67	150	116	266	709	653	1,362
Other Denominations.....	30	20	50	112	102	214	427	400	827
Unascertained.....	7	1	8	50	33	83	198	111	309
Total.....	157	142	299	715	638	1,353	3,861	3,672	7,533

TABLE No. 3—HAMILTON.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions	157	142	299	3,861	3,672	7,533
Total born in Canada	99	108	207	2,330	2,366	4,696
Armenia				2		2
Assyria				1		1
Austria	8	1	9	31	4	35
Australia				1		1
Belgium						
Bulgaria				1		1
Central America						
China	2		2	5		5
Denmark				1		1
England	18	18	36	576	421	997
France	1	1	2	4	1	5
Finland	1		1	4	1	5
Galicia				4	1	5
Germany	2	1	3	12	10	22
Greece	1		1	11	12	23
Holland				1	2	3
Hungary				5	4	9
Ireland	5	3	8	304	410	714
Italy	4	2	6	30	3	33
Japan						
Macedonia						
Other British Possessions	1		1	97	89	186
Norway				1		1
Roumania				5		5
Russia	3	1	4	28	12	40
Scotland	9	5	14	229	197	426
South America				2	1	3
Spain						
Sweden				6		6
Turkey				2		2
United States	3	2	5	98	91	189
Poland				8	2	10
Unascertained				62	45	107
Totals	157	142	299	3,861	3,672	7,533

TABLE NO. 4—HAMILTON.

Showing the Occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional :— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.....	19	.....	19	86	2	88
Commercial :— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.....	14	6	20	238	45	283
Agricultural and Pastoral :— Farmers, Gardeners, Stock Men, etc.	25	.....	25	1,038	3	1,041
Mechanics at Outdoor Vocations :— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc	31	.....	31	337	2	318
Mechanics, etc., at Sedentary Vocations :— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.....	10	6	16	452	132	584
Domestic Service :— Waiters, Cooks, Servants, etc.....	5	15	20	29	647	676
Education and Higher Domestic Duties :— Governesses, Teachers, Students, Housekeepers, Nurses, etc.....	2	110	112	89	2,358	2,447
Miners, Marine Engineers, Railway Em- ployees, Seamen, etc	4	.....	4	55	.....	55
Laborers	43	.....	43	1,054	4	1,058
No Occupation.....	2	4	6	174	241	415
Unascertained.....	2	1	3	309	238	547
Totals	157	142	299	3,861	3,672	7,533

TABLE No. 5—HAMILTON.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant Cases.						Remaining in residence.					
	Male.	Female.	Total.	Male.	Female.	Total.	Admitted during year.			Admitted since opening.			Male.	Female.	Total.			
							Male.	Female.	Total.	Male.	Female.	Total.						
Quebec				1		1						1						
New Brunswick				1		1						1			1			1
Algoma District				27	6	33						26	1	27	12			12
Brant	9	14	23	213	234	447	1	1	2	82	43	125	50	57	107			167
Bruce			2	10	22	32	1		1	7	9	16	2	4	6			6
Carleton	1		1	11	11	22				9	7	16	1	2	3			4
Dufferin	2	2	4	69	76	145	1	2	3	36	24	60	10	15	25			25
Dundas				2	3	5				2	1	3						
Durham				10	17	27				8	7	15						1
Elgin				7	7	14				3	2	5	1		1			1
Essex				7	1	8				4	1	5	3		3			3
Frontenac	2		2	30	10	40	2		12	29	3	32	9	2	11			11
Glengarry				5	4	9				4	1	5						
Grenville				4	3	7				4	2	6						
Grey	3	7	10	257	205	462	2		2	147	72	219	61	39	100			100
Haldimand	1	2	3	148	144	292				66	24	90	21	23	44			44
Halton	3	6	9	120	128	248				47	26	73	19	20	39			39
Hastings				6	9	15				6	6	12		1	1			1
Huron				5	14	19				2	4	6	1		1			1
Kent				7	7	14				7	1	8		1	1			1
Kenora				1		1												
Lambton				11	5	16				9	1	10	2		2			2
Lanark				1	4	5				1	1	2						
Leeds				4	5	9				4	4	8	1		1			1
Lennox & Addingt'n				11	1	12				10		10						
Lincoln	8	5	13	187	185	372				94	49	143	27	24	51			51
Manitoba				1		1				1		1						
Middlesex		1	1	22	15	37				11	8	19	4		4			4
Muskoka District				19	3	22				11	2	13	2		2			2
Nipissing District				13	12	25				7	7	14	2	6	8			8
Norfolk	7	7	14	145	152	297	2	2	4	22	12	34	24	27	51			51
Northumberland				27	17	44				15	8	23	2		2			2
Ontario				28	35	63				22	22	44	3	2	5			5
Oxford				23	19	42				14	10	24	3	1	4			4
Parry Sound Dist.				7	6	13				7	3	10	2	2	4			4
Peel				22	28	50				7	9	16	3	4	7			7
Perth				10	12	22				8	7	15	4	2	6			6
Peterborough				11	19	30				11	11	22						
Prescott				3	7	10				3	6	9		2	2			2
Prince Edward				5	2	7				3	2	5						
Rainy River Dist.				6	1	7				6	1	7						
Renfrew				5	2	7				4		4						
Russell					1	1					1	1		1	1			1
Simcoe		1	1	221	168	389				152	82	234	11	8	19			19
Stormont				6	3	9				5	1	6						
Sudbury				5		5				5		5	3		3			3
Thunder Bay Dist.				16	13	29				11	11	22	1	6	7			7
Victoria		1	1	14	24	38				12	18	30	2	1	3			3
Waterloo	19	22	41	245	266	511	9	2	11	122	49	171	69	77	146			146
Welland	13	10	23	215	237	452	6	1	7	87	41	128	43	46	89			89
Wellington	5	11	16	352	333	685	1		1	149	44	193	192	67	159			159
Wentworth	74	50	124	1,037	962	1,999	54	15	69	427	188	615	196	172	368			368
York	8	3	11	231	230	461	1	2	3	181	164	345	20	23	43			43
Unascertained				7	2	9				2	1	3	5	1	6			6
Temiskaming				9	1	10				9		9	3	1	4			4
Saskatchewan				1	1	2												
Totals	157	142	299	3,861	3,672	7,533	80	25	105	1,923	997	2,920	715	638	1353			1353

TABLE No. 6—HAMILTON.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women.	Total.	Inherited Predisposition			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.).....	16	15	31	3	6	9	22
Mental Strain, Worry and Overwork (not included in above).....	17	19	36	8	11	19	17
Religious Excitement.....	4	3	7	.....	1	1	6
Love Affairs, including seduction.....	1	2	3	.....	.....	.....	3
Fright and Nervous Shock.....	.....	6	6	2	2	4	2
PHYSICAL.							
Alcoholism.....	11	1	12	5	1	6	6
Sexual Excess.....	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases.....	.....	.....	.....	.....	.....	.....	.....
Masturbation.....	1	.....	1	.....	.....	.....	1
Insolation.....	.....	.....	.....	.....	.....	.....	.....
Accident or Injury.....	2	1	3	.....	1	1	2
Pregnancy.....	.....	11	11	.....	5	5	6
Parturition and Puerperium.....	.....	1	1	.....	1	1	.....
Lactation.....	.....	1	1	.....	1	1	.....
Climacteric Period.....	.....	1	1	.....	.....	.....	1
Fevers.....	.....	.....	.....	.....	.....	.....	.....
Privation and Overwork.....	12	21	33	3	4	7	26
Epilepsy.....	12	2	14	4	1	5	9
Other Convulsive Diseases.....	2	1	3	2	1	3	.....
Diseases of Brain and Skull.....	.....	.....	.....	.....	.....	.....	.....
Senility.....	3	10	13	1	2	3	10
Exophthalmic Goitre.....	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza.....	.....	1	1	.....	.....	.....	1
Abuse of Drugs.....	8	3	11	.....	.....	.....	11
Loss of Special Sense.....	.....	.....	.....	.....	.....	.....	.....
Uræmia.....	.....	.....	.....	.....	.....	.....	.....
Other Auto-Infection.....	.....	.....	.....	.....	.....	.....	.....
Other Bodily Diseases.....	9	11	20	1	1	2	18
HEREDITARY.							
Congenital Defect.....	5	6	11	3	4	7	4
Unascertained.....	54	26	80	14	10	24	56
Not Insane.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	157	142	299	46	52	98	201

TABLE No. 7—HAMILTON.

Showing hereditary tendency to insanity in patients admitted during the year
and since the opening of the Hospital.

	Admitted During Year			Since Opening		
	Male	Female	Total	Male	Female	Total
Paternal Branch	12	18	30	123	102	225
Maternal Branch	13	23	36	103	124	227
Paternal and Maternal Branches.....	1	.....	1	24	37	61
Collateral Branches.....	7	5	12	117	128	245
No Hereditary Tendency.....	102	90	192	552	479	1,031
Unascertained.....	22	6	28	469	277	746
Totals.....	157	142	299	1,388	1,147	2,535

TABLE No. 8—HAMILTON.

Showing summary of probational discharges during the year.

	Male.	Female.	Total.
Number Granted probational Discharge.....	89	87	176
Discharged, Recovered while on probation.....	8	10	18
" Improved " 	32	23	55
" Unimproved " 	1	1	2
Died	1	1	2
Returned to Hospital	18	19	37
Absent on Probation on October 31st, 1913.....	29	33	62

TABLE No. 9—HAMILTON.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total	Male.	Female.	Total.
Specific Infectious Diseases :—						
Typhoid Fever.....				7	1	8
Influenza.....				2	3	5
Cerebro-spinal Meningitis.....						
Diphtheria.....						
Erysipelas.....				13	10	23
Septicæmia.....				14	9	23
Dysentery.....	1	8	9	18	33	51
Syphilis.....						
Tuberculosis.....	8	6	14	177	195	372
Jaundice.....				1		1
Constitutional Diseases :—						
Rheumatism.....					1	1
Arthritis Deformans.....						
Diabetes Mellitus.....				4	1	5
Diseases of the Digestive System :—						
Mouth, salivary glands.....				1		1
Pharynx.....						
Tonsils.....						
Esophagus.....				6	13	19
Enteritis Colitis.....					1	1
Diseases of the Intestines :—						
Diseases of the Liver.....				7	10	17
" " Pancreas.....					1	1
" " Peritoneum.....				12	8	20
Intestinal Obstruction.....				8	3	11
Diseases of the Respiratory System :—						
Diseases of the Nose and Larynx.....				1		1
" " Bronchi.....	2	1	3	5	3	8
" " Lungs.....	5	6	11	84	56	140
" " Pleura.....				2	2	4
Diseases of the Circulatory System :						
Diseases of the Pericardium.....						
" " Heart.....	3	4	7	88	67	155
Arterio-sclerosis.....		1	1	18	8	26
Aneurism.....				2	2	4
Diseases of the Blood and Ductless Glands :—						
Anæmia.....				3	5	8
Pernicious Anæmia.....				10	14	24
Leukæmia.....						
Exophthalmic Goitre.....						
Diseases of the Genito-Urinary System.....						
Purpura Hæmorrhage.....				30	16	46
				3	3	6
<i>Carried Forward</i>	19	26	45	516	465	981

TABLE No. 9—HAMILTON—Continued.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	19	26	45	516	465	981
Diseases of the Nervous System:—						
Diseases of the Nerves					3	3
" " Spinal Cord						
" " Meninges				2	6	8
Organic Diseases of the Brain— (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions)	4	3	7	73	72	145
Functional Nervous Diseases. (Paralysis Agitans, Chorea, Eclampsia, Hysteria)	3		3	8	9	17
Epilepsy	3	3	6	106	71	177
Mental Diseases:—						
Exhaustion of Acute Mental Dis- ease	14	15	29	81	152	233
Exhaustion of Chronic Mental Dis- ease	8	9	17	92	114	206
General Paresis	12	1	13	174	19	193
Intoxications:—						
Alcoholism				3		3
Morphinism						
Metallic Poisoning						
Heat Stroke						
Debility of Old Age	14	30	44	167	169	336
Accident	1		1	16	2	18
Suicide		1	1	10	17	27
Surgical Diseases				12	12	24
Gynæcological Diseases					2	2
Malignant New Growths, or Cancer				12	29	41
Totals	78	88	166	1,272	1,142	2,414

TABLE No. 10—HAMILTON.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Diseases.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium									
(b) Infection Delirium									
(c) Post Infection Psychoses		2	2		3	3		1	1
Exhaustion Psychoses:—									
(a) Collapsed Delirium	1	3	4		1	1		1	1
(b) Acute Confusional Psychoses	2	8	10	1	5	6		2	2
(c) Neurasthenia	1		1	1		1			
Intoxication Psychoses:—									
(a) Acute Intoxication									
(b) Chronic									
(a) Alcoholism (acute and chronic)	6		6	3	1	4	2		2
(b) Delirium Tremens	1		1	1		1			
(c) Korsakow's Psychoses									
(d) Acute Alcoholic Hallucinosiis	1		1						
(e) Alcoholic Hallucinatory Dementia									
(f) " Paranoia									
(g) " Paresis									
(h) Morphinism	5	2	7	3		3			
(i) Cocainism	1		1						
Thyroidogenic Psychoses:—									
(a) Mixoedematous Psychoses									
(b) Cretinism									
Dementia Præcox:									
(a) Hebaphrenic	12	10	22	3	2	5	3	4	7
(b) Catatonic	45	39	84	15	17	32	14	18	32
(c) Paranoid	11	8	19	4	4	8	2	2	4
General Paresis	6	1	7	2		2	11	1	12
Organic Dementias:—									
(a) Cerebral Sclerosis									
(b) Huntingdon's Chorea		1	1					1	1
(c) Multiple Sclerosis									
(d) Cerebral Syphilis									
(e) Tabetic Psychoses									
(f) Arterio Sclerotic Psychoses	3	2	5	4		4	1	4	5
(g) Cerebral Tumor, Abscess, Hæmorrhage ..									
Involution Psychoses:—									
(a) Melancholia	3	18	21	2	7	9	2	7	9
(b) Pre-senile Delusional Psychoses									
(c) Senile Dementia	15	19	34	5	3	8	13	15	28
Manic Depressive Psychoses:—									
(a) Manic States	14	16	30	5	12	17	12	14	26
(b) Depressed States	5	8	13	8	4	12	3	5	8
(c) Mixed States									
<i>Carried Forward</i>	122	107	269	57	61	116	63	75	98

TABLE No. 10—HAMILTON—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Diseases.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	122	107	269	57	61	116	63	75	98
Paranoia.....									
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses.....	15	2	17	4	1	5	6	4	10
(b) Hysterical Psychoses.....									
(c) Sexualis Psychopathia.....									
States of Deficient Mental Development:—									
(a) Imbecility.....	6	1	7	2	1	3	1	5	6
Traumatism.....	1	1	2	....	1	1	1	....	1
Not Diagnosed.....	3	1	4	4	3	7	7	4	11
Not Insane.....									
Totals.....	157	142	299	67	65	132	78	88	166

TABLE No. 11—HAMILTON.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1918.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month.....	65	140	1		1	21
From 1 to 2 months.....	33	70	3		1	9
" 2 " 3 ".....	30	69	2	2		4
" 3 " 4 ".....	15	27	2	1		7
" 4 " 5 ".....	10	10	1	3		6
" 5 " 6 ".....	19	8	5	12		3
" 6 " 9 ".....	22	10	8	10		3
" 9 " 12 ".....	12	7	5	3		5
" 12 " 18 ".....	23	17	7	16	1	12
" 18 months to 2 years ..	5	55				1
" 2 to 3 years.....	23	103	5	9		11
" 3 " 4 ".....	11	60		9		10
" 4 " 5 ".....	4	69	1	7		10
" 5 " 10 ".....	7	280	1	5		15
" 10 " 15 ".....	9	130		4		17
" 15 " 20 ".....	2	106	1	3		11
" 20 years and upwards..	9	192	1	2		21
Totals.....	299	1,353	43	86	3	166

ROCKWOOD HOSPITAL FOR INSANE, KINGSTON.

W. W. DUNLOP, Esq.

*Inspector of Hospitals and Public Charities,
Parliament Buildings, Toronto, Ontario.*

SIR,—I have the honour to submit herewith the annual report of the Hospital for Insane, Kingston, Ontario, for the year ending October 31st, 1918.

During the year there were admitted to the Hospital one hundred and thirty-seven patients, eighty-four men and fifty-three women, a decrease of nineteen from the previous year. The discharges, deaths and elopements totalled one hundred and fifty-one, leaving in residence at the end of the year five hundred and sixty-six, a decrease of population from last year of fourteen.

There was an increase of twenty in the number of deaths over last year, this increase being largely due to pneumonia occurring in old people.

Like all communities we suffered from the Epidemic, having about one hundred cases. Among the nurses, attendants and other employees very few escaped, and about fifty patients were ill with the disease. Of the latter all, with the exception of six mild cases, occurred among the men, the women's wards practically escaping the infection. I am unable to account for this as the women's wards were under the same conditions as to exposure as the men's wards. All the cases among the patients developed in the Main Building. The Cottages, with a population of about one hundred and twenty, developed only one case, their escape being probably due to their comparative isolation, the smaller number of visitors, and to their patients being of an older class. We were fortunate in not having any deaths from the disease.

REPAIRS AND ALTERATIONS TO BUILDINGS.

Extensive and very much needed repairs have been made to the Piggery, a cement floor laid throughout, and pig pens built. Repairs to the Skating Rink were also completed. Alterations to the building formerly used as an Industrial Building are under way, for the purpose of fitting it for occupation as dormitories for patients. When these are completed it will enable us to remove from the upper wards in the Main Building a number of patients of the feeble and bed-ridden class, who were a constant source of anxiety in case of fire. Cedar Cottage, a frame building formerly used only during the summer as an outdoor dining room by the women patients when out in the grounds, is now in use as the Industrial Building, accommodating the Sewing Room, Tailor Shop and Brush Shop, and serves the purpose fairly well.

Alterations and repairs to the bath rooms and lavatories in the men's wards of the main Building, it is hoped will be undertaken and completed during the winter, which will remedy a condition both unsanitary and unsightly.

STAFF.

During the year we have been exceedingly short-handed in the medical and nursing staff. Mr. E. H. Peterson has for the greater portion of the year been the only medical assistance I have had, and I feel deeply grateful to him for the work

he has done, he has been a most valuable assistant. I have also to thank all the other members of the staff, and the employees generally, for their hearty co-operation under the trying and short-handed condition.

There has been only one change in the Staff during the year. Miss Paterson being engaged as head nurse in the place of Miss Dwyer who resigned to undertake further post-graduate work.

Thanking you Sir for your kindly assistance and advice at all times.

I have the honour to be,

Your obedient servant,

W. K. Ross.
Acting Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, KINGSTON, FOR THE YEAR
ENDING OCTOBER 31ST, 1918.

TABLE No. 1—KINGSTON.

Showing movements of patients in the Hospital for the official year ending October 31st, 1918.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital.....	311	268	579			
In Residence, October 31st, 1917.....				317	263	580
Admitted during year 1917-1918 :						
Voluntary	4	3	7			
By Warrant	7	3	10			
By Medical Certificate	73	47	120	84	53	137
Total number under treatment during year				401	316	717
Discharges during year:—						
As recovered	36	24	60			
" improved	11	6	17			
" unimproved	3	4	7			
" not insane	1		1			
Total number discharged during year.....	51	34	85			
Died	34	27	61			
Deported						
Eloped	5		5			
Transferred				90	61	151
Remaining in Hospital, October 31st, 1918.....				311	255	566
Total number admitted since opening of Hospital				3,064	2,569	5,633
Total number discharged since opening of Hospital	1,434	1,243	2,677			
Total number died since opening of Hospital	962	763	1,725			
Total number deported since opening of Hospital	10	4	14			
Total number eloped since opening of Hospital	102	1	103			
Total number transferred since opening of Hospital	245	303	548	2,753	2,314	5,067
Total remaining in Hospital October 31st, 1918.....				311	255	566
Daily average population	305.6	255.2	560.8			
Collective days' stay of all patients in residence during year	111,544	93,162	204,706			
Number of applications on file	4	2	6			

TABLE No. 2—KINGSTON.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			In residence.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single	47	21	68	234	136	370	1,774	1,115	2,890
Married.....	29	28	57	73	101	174	1,220	1,372	2,591
Widowed.....	7	4	11	3	18	21	60	75	135
Divorced.....							1	1	2
Separated.....	1		1	1		1	9	6	15
Unascertained.....									
Totals.....	84	53	137	311	255	566	3,064	2,569	5,633
RELIGION.									
Baptists	1	1	2	5	3	8	53	45	98
Congregationalists					1	1	11	9	20
Church of England	19	9	28	55	44	99	588	493	1,081
Methodists	25	16	41	86	90	176	716	683	1,399
Presbyterians	9	4	13	33	28	61	452	402	854
Roman Catholics	22	13	35	85	64	149	929	773	1,702
Other Denominations.....	4	6	10	31	18	49	204	120	324
Unascertained.....	4	4	8	16	7	23	111	44	155
Totals	84	53	137	311	255	566	3,064	2,569	5,633

TABLE No. 3—KINGSTON.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions.....	84	53	137	3,064	2,569	5,633
Total born in Canada	67	45	112	2,151	1,850	4,001
Armenia						
Assyria				2		2
Austria				4		4
Australia						
Belgium.....						
Bulgaria.....						
Central America.....						
China						
Denmark.....						
England.....	7	4	11	240	159	399
France.....				3	1	4
Finland.....				1	2	3
Galicia.....					1	1
Germany.....				49	20	69
Greece.....						
Holland.....						
Hungary.....				2		2
Ireland.....	3		3	343	313	656
Italy.....	2		2	6		6
Japan.....				1		1
Macedonia.....						
Other British Possessions.....				6	4	10
Poland.....				2	1	3
Norway.....						
Roumania.....						
Russia.....		2	2	17	4	21
Scotland.....	1		1	100	95	195
South America.....				6		6
Spain.....	1		1	1		1
Sweden.....				3		3
Turkey.....						
United States.....	3	1	4	41	37	78
West Indies.....				1	1	2
Other.....				6	8	14
Unascertained.....		1	1	79	73	152
Totals.....	84	53	137	3,064	2,569	5,633

TABLE No. 4—KINGSTON.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional :— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.....	20	.....	20	137	2	139
Commercial :— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.....	4	1	5	231	8	239
Agricultural and Pastoral :— Farmers, Gardeners, Stockmen, etc...	26	.....	26	931	4	935
Mechanics at Outdoor Vocations :— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.....	4	.....	4	288	.....	288
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Composi- tors, Weavers, Tailors, Seamstress- es, Bakers, Factory Workers, etc...	4	2	6	203	148	351
Domestic Service :— Waiters, Cooks, Servants, etc. ....	.....	3	3	27	500	527
Education and Higher Domestic Duties :— Governesses, Teachers, Students, Housekeepers, Nurses, etc. ....	.....	39	39	37	1,415	1,452
Miners, Marine Engineers, Railway Em- ployees, Seamen, etc. ....	.....	.....	.....	72	.....	72
Laborers	18	.....	18	823	.....	823
No Occupation	6	8	14	127	229	356
Unascertained	2	.....	2	145	184	329
Other .....	.....	.....	.....	43	79	122
Totals	84	53	137	3,064	2,569	5,633

TABLE No. 5—KINGSTON.

Showing the Counties and Districts from which patients have been admitted during the year and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant Cases.						Remaining in residence.				
	Male.	Female.	Total.	Male.	Female.	Total.	Admitted during year			Admitted since opening.			Male.	Female.	Total.		
							Male.	Female.	Total.	Male.	Female.	Total.					
Algoma District.....				4	2	6						3	2	5			
Brant.....				6	7	13						6	7	13			
Bruce.....				3	6	9						3	5	8			
Carleton.....	1	1		208	165	373						166	125	291	20	13	33
Dufferin.....																	
Dundas.....				37	33	70									2		2
Durham.....	1	4	5	64	65	129						18	8	26	1	10	11
Elgin.....				3	4	7						3	4	7			
Essex.....				3	2	5						3	2	5			
Frontenac.....	17	14	31	619	568	1,187	1		1		173	106	279	48	62	110	
Glengarry.....				56	54	110									3	5	8
Grenville.....				58	52	110						7	9	16	1	1	2
Grey.....				8	10	18						6	6	12			1
Haldimand.....				6	7	13											
Haliburton.....				2	2	4						2		2	1	1	2
Halton.....				3	2	5						2	1	3			
Hastings.....	15	13	28	346	288	634	1	1	2		137	69	206	46	41	87	
Huron.....				6	5	11						6	5	11			
Kent.....				4	1	5								4			
Lambton.....				12	3	15						12	2	14		1	1
Lanark.....				126	127	253						97	87	184	5	5	10
Leeds.....				96	84	180						79	57	136	6	2	8
Lennox&Addington	6	8	14	220	206	426	1	1	2		98	50	148	21	25	46	
Lincoln.....				9	7	16						9	5	14			
Middlesex.....				9	6	15						6	4	10	1		1
Muskoka District..				1	1	2							1	1			
Nipissing District..				1	3	4							1	1	1	1	2
Norfolk.....				7	5	12						7	5	12	1		1
Northumberland..	9	5	14	171	203	374	2		2		101	66	167	39	31	70	
Ontario.....				21	25	46						19	24	43		2	2
Oxford.....				14	4	18						14	3	17			
Parry Sound Dist.																	
Peel.....				4	1	5						4	1	5			
Perth.....				10	10	20						10	9	19			
Peterborough.....	2		2	26	29	55						10	9	19	5	3	8
Prescott.....				48	30	78						41	24	65	1	2	3
Prince Edward...	1	2	3	127	94	221						39	17	56	24	10	34
Rainy River Dist.				1		1						1		1			
Renfrew.....	11	16	17	248	227	475		1	1		59	23	82	37	29	66	
Russell.....					2	2										1	1
Simcoe.....				14	12	26						13	11	24			
Stormont.....				55	48	103						111	73	184	2	2	4
Thunder Bay Dist.				1		1									1		1
Victoria.....	2		2	17	13	30	2		2		17	12	29	4		4	
Waterloo.....				15	4	19						12	4	16			
Welland.....				8	5	13						8	5	13	1	1	2
Wellington.....				6	4	10						4	4	8			
Wentworth.....				18	21	39						14	13	27	1	3	4
York.....				56	69	125						39	50	89	8	3	11
Unascertained....	4		4	216	50	266						32	7	39	8		8
Soldiers.....	16		16	44	1	45									19		19
Interned Aliens...				19		19									4		4
Other.....				8	2	10						1		1			
Totals.....	84	53	137	3,064	2,569	5,633	7	3	10	1,396	916	2,312	311	255	566		

TABLE No. 6—KINGSTON.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women.	Total.	Inherited Predisposition.			Unascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse conditions (such as loss of friends, business troubles, etc.).....	8	5	13	1	3	4	.....
Mental Strain, Worry and Overwork (not included in above).....	14	14	28	6	7	13	.....
Religious Excitement.....	.....	.....	.....	.....	.....	.....	.....
Love Affairs, including seduction.....	.....	.....	.....	.....	.....	.....	.....
Fright and Nervous Shock.....	.....	.....	.....	.....	.....	.....	.....
PHYSICAL.							
Alcoholism.....	5	1	6	3	1	4	.....
Sexual Excess.....	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases.....	9	.....	9	1	1	2	.....
Masturbation.....	.....	.....	.....	.....	.....	.....	.....
Insolation.....	.....	.....	.....	.....	.....	.....	.....
Accident or Injury.....	1	.....	1	.....	.....	.....	.....
Pregnancy.....	.....	1	1	.....	.....	.....	.....
Parturition and Puerperium.....	.....	1	1	.....	1	1	.....
Lactation.....	.....	.....	.....	.....	.....	.....	.....
Climacteric Period.....	1	3	4	1	1	2	.....
Fevers.....	.....	.....	.....	.....	.....	.....	.....
Privation and Overwork.....	.....	.....	.....	.....	.....	.....	.....
Epilepsy.....	4	1	5	2	1	3	.....
Other Convulsive Diseases.....	.....	1	1	.....	.....	.....	.....
Diseases of Brain and Skull.....	1	1	2	.....	.....	.....	.....
Senility.....	3	3	6	.....	.....	.....	.....
Exophthalmic Goitre.....	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza.....	.....	.....	.....	.....	.....	.....	.....
Abuse of Drugs.....	3	1	4	.....	.....	.....	.....
Loss of Special Sense.....	.....	.....	.....	.....	.....	.....	.....
Uræmia.....	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection.....	.....	.....	.....	.....	.....	.....	.....
Other Bodily Diseases.....	.....	.....	.....	.....	.....	.....	.....
HEREDITARY.							
Congenital Defect.....	7	2	9	3	1	4	.....
Unascertained.....	27	19	46	67	37	104	.....
Not Insane.....	1	.....	1	.....	.....	.....	.....
Totals.....	84	53	137	84	53	137	.....

TABLE No. 7—KINGSTON.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted during year.			Since 1908.		
	Male.	Female.	Total.	Male.	Female.	Total.
Paternal Branch.....	15	4	19	135	106	241
Maternal Branch.....	8	7	15	82	95	177
Paternal and Maternal Branches.....				14	11	25
Collateral Branches.....	5	5	10	67	61	128
No Hereditary Tendency.....				58	37	95
Unascertained.....	55	37	92	473	326	799
Not Insane.....	1		1	9		9
Totals.....	84	53	137	838	636	1,474

TABLE No. 8—KINGSTON.

Showing summary of Probational discharges during the year.

	Male.	Female.	Total.
Number granted Probational discharge.....	28	25	53
Discharged, Recovered while on Probation.....	11	13	24
" Improved.....	7	5	12
" Unimproved.....			
Died.....			
Returned to Hospital.....	5	2	7
Absent on Probation on Oct. 31st, 1918.....	5	5	10
	28	25	53

TABLE No. 9—KINGSTON.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since 1903.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases :—						
Typhoid Fever.....				1	2	3
Influenza.....						
Cerebro-spinal Meningitis.....						
Diphtheria.....						
Erysipelas.....					1	1
Septicæmia.....		1	1	3	2	5
Dysentery.....					1	1
Syphilis.....				2		2
Tuberculosis.....	3	3	6	44	46	90
Constitutional Diseases :—						
Rheumatism.....						
Arthritis Deformans.....						
Diabetes Mellitus.....					1	1
Diseases of Digestive System :—						
Mouth, salivary glands.....						
Pharynx.....						
Tonsils.....						
Œsophagus.....						
Stomach.....					1	1
Diseases of the Intestines.....						
Diseases of the Liver.....	1		1	3	2	5
“ Pancreas.....				1		1
“ Peritoneum.....	2	2	4	7	2	9
Diseases of the Respiratory System :—						
Diseases of the Nose and Larynx.....						
“ Bronchi.....				6	3	9
“ Lungs.....	11	8	19	41	44	85
“ Pleura.....	1		1	1		1
Diseases of the Circulatory System :—						
Diseases of the Pericardium.....					1	1
“ Heart.....	1	1	2	26	21	47
Arterio-sclerosis.....	1	1	2	15	5	20
Aneurism.....				1		1
Diseases of the Blood and Ductless Glands :—						
Anæmia.....						
Pernicious Anæmia.....					2	2
Leukæmia.....						
Exophthalmic Goitre.....					1	1
Adrenal Glands.....						
Diseases of the Genito-Urinary System :—						
	1	1	2	4	6	10
<i>Carried forward</i>	21	17	38	161	149	310

TABLE No. 9—KINGSTON—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought forward</i>	21	17	38	161	149	310
Diseases of the Nervous System:—						
Diseases of the Nerves.....						
" Spinal Cord				1		1
" Meninges						
Organic Diseases of the Brain. (Tumor, Abscess, Embolism, Throm- bosis, Hæmorrhage and other gross lesions).....	3	1	4	18	14	32
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclamp- sia, Hysteria)						
Epilepsy.....	1		1	8	5	13
Mental Diseases:—						
Exhaustion of Acute Mental Disease.	4	1	5	13	6	19
" Chronic				6	5	11
General Paresis.....	3		3	29	2	31
Intoxications:—						
Alcoholism						
Morphinism.....				1		1
Metallic Poisoning						
Heat Stroke						
Debility of Old Age	2	4	6	13	12	25
Accident.....				3	2	5
Suicide		2	2	4	3	7
Surgical Diseases				1	1	2
Gynæcological Diseases		1	1		1	1
Malignant New Growths, or Cancer.....		1	1	3	18	21
Died while on Probation, cause unknown.					1	1
Totals.....	34	27	61	261	219	480

TABLE No. 10—KINGSTON.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infectious Psychoses :—									
(a) Fever Delirium.....									
(b) Infection Delirium.....									
(c) Post Infection Psychoses									
Exhaustion Psychoses :—									
(a) Collapsed Delirium									
(b) Acute Confusional Psychoses.....	2	5	7	2	6	8	2	2	2
(c) Neurasthenia									
Intoxication Psychoses :—									
(a) Acute Intoxications.....									
(b) Chronic									
(a) Alcoholism (acute and chronic).....	5		5	7	1	8			
(b) Delirium Tremens.....									
(c) Korsakow's Psychoses.....									
(d) Acute Alcoholic Hallucinosiis.....									
(e) Alcoholic Hallucinatory Dementia.....									
(f) " Paranoia.....									
(g) " Paresis									
(h) " Morphinism	3	1	4	3	1	4			
(i) " Cocainism									
Thyroidogenous Psychoses :—									
(a) Mixœdematous Psychoses									
(b) Cretinism									
Dementia Præcox :—									
(a) Hebaphrenic.....	16	12	28	5	4	9	3	1	4
(b) Catatonic.....	2	1	3	3		3	1	1	2
(c) Paranoid.....	13	4	17	4	4	8	3	2	5
General Paresis	8		8	1	1	2	6		6
Organic Dementias :—									
(a) Cerebral Sclerosis.....									
(b) Huntingdon's Chorea.....									
(c) Multiple Sclerosis.....									
(d) Cerebral Syphilis.....	1		1				1		1
(e) Tabetic Psychoses.....									
(f) Arterio Sclerotic Psychoses.....	1	1	2		1	1			
(g) Cerebral Tumor, Abscess, Hæmorrhage....	1		1						
Involution Psychoses :—									
(a) Melancholia	4	7	11	4	4	8		5	5
(b) Pre-senile Delusional Psychoses	1	3	4	4		4	3	2	5
(c) Senile Dementia	2	5	7	3		3	7	6	13
Manic Depressive Psychoses :—									
(a) Manic States	9	4	13	4	1	5	4	4	8
(b) Depressed States	6	6	12	7	7	14	2	4	6
(c) Mixed States							1		1
Paranoia.....									
Carried forward	74	49	123	47	30	77	31	27	58

TABLE No. 10—KINGSTON—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought forward</i>	74	49	123	47	30	77	31	27	58
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	5	1	6	2	.....	2	2	.....	2
(b) Hysterical Psychoses .....	.....	.....	.....	.....	1	1	.....	.....	.....
(c) Sexualis Psychopathia .....	.....	1	1	.....	1	1	.....	.....	.....
States of Deficient Mental Development:—									
(a) Imbecility	4	2	6	1	2	3	1	.....	1
(b) Idiocy .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Not Diagnosed .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Not Insane	1	.....	1	1	.....	1	.....	.....	.....
Totals	84	53	137	51	34	85	34	27	61

TABLE No. 11—KINGSTON.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on 31st October, 1918.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month.....	16	12	2	1	3	7
From 1 to 2 months	11	8	10	.....	3	1
“ 2 “ 3 “	7	11	7	.....	.....	1
“ 3 “ 4 “	8	8	10	3	.....	1
“ 4 “ 5 “	3	3	4	2	.....	1
“ 5 “ 6 “	2	7	4	.....	1	6
“ 6 “ 9 “	7	19	5	2	.....	5
“ 9 “ 12 “	3	13	2	4	.....	4
“ 12 “ 18 “	11	21	4	2	.....	4
“ 18 months to 2 years... ..	1	20	4	1	1	1
“ 2 to 3 years	2	32	3	.....	.....	3
“ 3 “ 4 “	5	28	.....	.....	.....	2
“ 4 “ 5 “	1	31	3	1	.....	3
“ 5 “ 10 “	7	86	1	.....	.....	4
“ 10 “ 15 “	6	57	.....	.....	.....	3
“ 15 “ 20 “	1	62	1	.....	.....	2
“ 20 years and upwards.. ..	1	148	.....	1	.....	13
Unknown.....	45	.....	.....	.....	.....	.....
Totals.....	137	566	60	17	7	61

HOSPITAL FOR INSANE, LONDON.

W. W. DUNLOP, Esq.

*Inspector of Prisons and Public Charities,
Parliament Buildings, Toronto, Ontario.*

SIR,—I beg to present the forty-eighth annual report of the Hospital for Insane, London, for the year ending October 31-t, 1918.

POPULATION.

By reference to Table No. 1 you will see that we had 259 admissions, the largest in the history of the institution. The number of those discharged was slightly lower than the previous year and the death rate was considerably higher. Our population at the end of the year was 1,216 or 23 higher than it was one year ago. The total number under treatment during the past year was 1,452, ten years ago, the number under treatment was 1,237; an increase of 215 in ten years. The records of this institution during the past forty-eight years show a steady annual increase in population.

There does not seem to be any reasonable ground for thinking that the increase in the future will be less than the past and it is quite probable the increase during the next ten years will be at least 200.

The question of accommodation is a very pressing one and some decision as to the final size of this Institution must be arrived at. My own opinion is that an Institution such as this should not, under any circumstances, exceed fifteen hundred beds and it would be much better, from many points of view, if the number of beds could be kept down to one thousand. In an institution of one thousand beds having say two hundred admissions per year it is possible for the Superintendent and medical officers to become familiar with each patient. The larger the institution the more difficult it is to know each personally. From an economic point of view an institution of fifteen hundred beds has some advantages over the smaller institution, but I believe the history of the larger institutions in the United States shows that after fifteen hundred beds have been exceeded that there is no gain, even from an economic point of view. In my opinion accommodation should be made for at least two hundred patients and this would take care of our present over-crowding and make a reasonable provision for the next five years.

BALCONIES AND DISTURBED WARDS.

I trust that the money voted by the Legislature at its last session for the purpose of adding additional balconies to the Main Building and Disturbed Wards to the Reception Hospital will be re-voted and that the work will be carried out next summer. The balconies, encased by glass and heated, practically form additional dormitories at a very moderate expense per bed. The additional to the Hospital will aid us very much in carrying on the good work that is being done there.

NURSES HOME.

Nothing would add more to the comfort of our nursing staff than the building of a Nurses Home and I trust this will be undertaken at the very earliest opportunity. The duties of a nurse are trying and the very least we should provide is a comfortable home where they would for a portion of their time be removed from all association with the wards. At the present time a considerable number of our nurses are obliged to sleep on the wards and this not only has an injurious effect on the nurse but obliges us to curtail a great deal of the sitting room accommodation formerly provided for patients. Some years ago we had twelve sitting rooms for patients in the Main Building alone, now we have only one left.

IMPROVEMENTS DURING THE YEAR.

A splendid new Piggery was completed during the year thus giving us perhaps one of the largest and best appointed plants for breeding and feeding pigs in the Province of Ontario. We should now be able to raise at least half of the equivalent of our meat consumption.

FARM.

I am very pleased to say that we have had a most bountiful harvest during the past year. All our crops yielded magnificently. Our apple orchard produced some 1,200 barrels of good apples, so that none of our patients have lacked for fruit.

WASSERMANN TEST.

Continuing the work which we commenced last year a Wassermann test of the blood serum of practically every patient admitted to the Institution has been made. In every case where the blood test shows a positive reaction the test is also applied to the spinal fluid. Up to date 362 patients have been examined with the following results:—

Negative blood Wassermann.....	213
Positive " "	44
Doubtful " "	5
	362

About 12 per cent. of admissions have a positive blood reaction.

The following table shows that of the twenty-six positive blood tests during the year thirteen showed a positive reaction in the spinal fluid and of these nine were clinically cases of paresis. It will also be seen that the Colloidal Gold test in these nine cases indicated paresis. The latter test seems to be even more accurate than the Wassermann. In two cases Nos. 11 and 13 both Wassermann and Colloidal Gold test indicate paresis, but neither of these cases resemble paresis clinically. No. 11 is a case of senile dementia and 13 a case of manic depressive. It is quite possible however, in the latter case, that paresis may yet develop. In case No. 18 both blood and spinal fluid give a positive Wassermann reaction, but the Colloidal Gold test did not indicate paresis. This case is also one of senile dementia.

SUMMARY OF THE POSITIVE WASSERMANN'S

Nov. 1, 1917—Oct. 31, 1918.

No.	Blood Wassermann	Wass	C.C.	Cerebro-spinal fluid		Clinical Diagnosis
				Globulin	Colloidal Gold	
1	-----		70	considerably increased	555555320	G.P.I.
2	-----	neg.	3	not increased	000000000	Catatonic dementia precox
3	-----	neg.	3	not increased	.....	.....
4	-----	neg.	6	not increased	023210000	Catatonic D.P.
5	-----	neg.	5	slight increase	123221000	Catatonic D.P.
6	-----		28	considerably increased	555543321	G.P.I.
7	-----		10	markedly increased	555554321	G.P.I.
8	-----		10	considerably increased	555555321	G.P.I.
9	-----		Paranoid D.P.
10	-----		Morphinomania
11	-----		3	not increased	555554310	Senile dementia
12	-----		21	considerably increased	555555310	G.P.I.
13	-----		25	considerably increased	444331000	Manic depressive manic (manic)
14	-----	neg.	4	not increased	000000000	Paranoid D.P.
15	-----	neg.	?	not increased	000000000	Epileptic
16	-----		200	markedly increased	555433220	G.P.I.
17	-----	neg.	5	slightly increased	.....	Dementia Precox
18	-----		45	considerably increased	023322100	Senile Dementia
19	-----	neg.	2	not increased	000000000	Mixed form manic depression
20	-----	neg.	2	not increased	000000000	D.P. Paranoid
21	-----		45	considerably increased	003221000	Tabo-paretic
22	-----		11	markedly increased	555433210	G.P.I.
23	-----		3	not increased	332210000	Precox Catatonic
24	-----		Senile Dementia
25	-----		27	considerably increased	444311000	G.P.I.
26	-----	4	not increased	000000000	Infection Psychosis

I am very much indebted to our Pathologist, Dr. Luney, and to Dr. Crawford, Assistant Physician, for the care which they have taken in making the above tests.

CHURCH SERVICES.

I must again tender my sincere thanks to the clergymen of the various denominations throughout the City of London who conduct the services at our little church each Sunday morning and to the priests of St. Patrick's Parish who take charge of the services for the Roman Catholic patients and who so faithfully look after the welfare of the sick and dying of their flock. I realize that it is at considerable personal inconvenience that many of the clergymen assist at our services.

I have the honour to be,

Your obedient servant,

W. J. ROBINSON,

Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, LONDON, FOR THE YEAR
ENDING OCTOBER 31st, 1918.

TABLE No. 1—LONDON.

Showing movements of patients in the Hospital for the official year ending October 31st, 1918.

—	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	511	555	1,066			
In residence, October 31st, 1917				582	611	1,193
Admitted during year 1917-18:						
By Warrant	21	1	22			
By Medical Certificate.....	102	135	237	123	136	259
Total number under treatment during year 1917-1918.....				705	747	1,452
Discharges during year:						
As recovered.....	35	25	60			
" improved	29	24	53			
" unimproved	3	1	4			
" not insane.....	6		6			
Total number discharged during year....	73	50	123			
Died	54	53	107			
Deported						
Eloped	3	1	4			
Transferred.....	2		2	132	104	236
Remaining in Hospital, October 31st, 1918				573	643	1,216
Total number admitted since opening of Hospital				4,241	3,941	8,182
Total number discharged since opening of Hospital.....	1,850	1,794	3,644			
Total number died since opening of Hospi- tal	1,409	1,239	2,648			
Total number deported since opening of Hospital	15	4	19			
Total number eloped since opening of Hos- pital	145	17	162			
Total number transferred since opening of Hospital	249	244	493	3,668	3,298	6,966
Total remaining in Hospital, October 31st 1918.....				573	643	1,216
Daily average population.....	573	616	1,189			
Collective day's stay of all patients in residence during year.....	209,431	224,980	434,411			
Number of applications on file	3	12	15			

TABLE No. 2—LONDON.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	In residence.			Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single	415	330	745	61	50	111	2,365	1,524	3,889
Married	129	249	378	50	60	110	1,815	2,306	4,021
Widowed	20	61	81	10	26	36	53	110	163
Divorced	2	.....	2	1	.....	1	4	1	5
Separated .....	.....	.....	.....	.....	.....	.....	3	.....	3
Unascertained.....	7	3	10	1	.....	1	1	.....	1
Totals	573	643	1,216	123	136	259	4,241	3,941	8,162
RELIGION.									
Baptists	40	47	87	5	12	17	289	313	602
Congregationalists	4	3	7	.....	.....	.....	32	29	61
Phurch of England	91	103	194	19	25	44	759	672	1,431
Methodists	131	162	293	30	36	66	1,010	1,078	2,088
Cresbyterians	120	167	287	27	34	61	929	859	1,788
Roman Catholics	90	100	190	16	14	30	684	634	1,318
Other Denominations.....	75	48	123	18	12	30	297	227	524
Unascertained.....	22	13	35	8	3	11	241	129	370
Totals	573	643	1,216	123	136	259	4,241	3,941	8,162

TABLE No. 3—LONDON.

Showing nativity of patients admitted during the year and since opening of hospital.

Nativity.	Admissions of year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total admissions	123	136	259	4,241	3,941	8,182
Total born in Canada.....	88	105	193	2,729	2,603	5,332
Armenia.....						
Assyria.....				2	1	3
Austria.....	1		1	1		1
Australia.....						
Belgium.....				2		2
Bulgaria.....						
Central America.....						
China.....				1		1
Denmark.....	1		1	1	2	3
England.....	15	20	35	531	418	949
France.....				5	5	10
Finland.....	1		1	1		1
Galicia.....						
Germany.....				48	48	96
Greece.....						
Holland.....				2		2
Hungary.....						
Ireland.....	2	3	5	378	439	817
Italy.....		1	1	3	5	8
Japan.....						
Macedonia.....						
Other British Possessions.....	1		1	7	2	9
Norway.....						
Roumania.....	1		1	1		1
Russia.....				9	5	14
Scotland.....	3	4	7	296	229	525
South America.....	1		1	1		1
Spain.....						
Sweden.....				6		6
Turkey.....				5		5
United States.....	6	2	8	128	111	239
West Indies.....				2	1	3
Unascertained.....	3	1	4	82	72	154
Totals.....	123	136	259	4,241	3,941	8,182

TABLE No. 4—LONDON.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this year.			Since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional :						
Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	3	.....	3	85	25	110
Commercial :						
Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	3	3	6	310	55	365
Agricultural and Pastoral :						
Farmers, Gardeners, Stock Men, etc.	45	.....	45	1,654	121	1,775
Mechanics at Outdoor Vocations :						
Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	10	.....	10	366	.....	366
Mechanics, etc., at Sedentary Vocations :						
Shoemakers, Bookbinders, Composi- tors, Weavers, Tailors, Seam- stresses, Bakers, Factory Workers, etc.	7	3	10	326	138	464
Domestic Service :						
Waiters, Cooks, Servants, etc. ....	.....	6	6	25	534	559
Education and Higher Domestic Duties :						
Governesses, Teachers, Students, Housekeepers, Nurses, etc.	1	12	13	53	2,324	2,377
Miners, Marine Engineers, Railway Em- ployees, Seamen, Soldiers, etc.	3	.....	3	61	.....	61
Laborers	20	.....	20	1,035	1	1,036
No Occupation	9	19	28	101	303	404
Unascertained	22	.....	22	225	347	572
Housewives .....	.....	93	93	.....	93	93
Totals	123	136	259	4,241	3,941	8,182

TABLE No. 5—LONDON.

Showing the Counties and Districts from which Patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since Opening.			Warrant Cases.						Remaining in residence.				
	Male.	Female.	Total.	Male.	Female.	Total.	Admitted during year.			Admitted since opening.			Male.	Female.	Total.		
							Male.	Female.	Total.	Male.	Female.	Total.					
Algoma District				12	8	20						8	2	10	1	1	2
Brant				38	37	75						20	12	32	2	5	7
Bruce	5	11	16	311	261	572	1		1	164	81	245	54	53			107
Carleton				4	7	11						2	2				
Dufferin																	
Dundas																	
Durham															1		1
Elgin	16	14	30	307	295	602	1		1	81	27	108	50	40			90
Essex	12	9	21	313	272	585	5		5	116	63	179	49	61			110
Frontenac				5	8	13					1	1					
Glengarry																	
Grenville										10	9	19					
Grey		1	1	20	23	43				11	3	14	3	4			7
Haldimand				22	24	46				7	3	10					
Halton				10	7	17				2	5	7		1			1
Hastings				5	9	14				136	79	215		1			1
Huron	6	9	15	393	393	786	1		1	91	45	136	49	63			112
Kent	8	14	22	317	314	631				201	642	265	53	54			107
Lambton	8	10	18	553	350	803	2		2	10	2	12	60	56			116
Lanark				3	3	6											
Leeds					5	5											
Lennox & Addington				3	1	4				1		1					
Lincoln				11	6	17				8	1	9					
Middlesex	34	41	75	1,033	1,051	2,084	10		10	304	163	467	120	172			292
Muskoka District				1		1											
Nipissing District					1	1											
Norfolk				34	38	72				23	13	36					
Northumberland				15	10	25				4	2	6					
Ontario				6	13	19				1	8	9	2				2
Oxford																	
Parry Sound District	3	13	16	341	282	623		1	1	159	46	205	42	51			93
Peel				5	6	11				3	5	8					
Perth	9	12	21	348	311	659	1		1	143	68	211	58	58			116
Peterborough				1	6	7				1	6	7					
Prescott				2	3	5				1	1	2					
Prince Edward				1	1	2					1	1					
Rainy River District																	
Renfrew				13	21	34											
Russell																	
Simcoe				7	7	14				5	7	12	1	2			3
Stormont				12	14	26				1		1					
Thunder Bay District				1	1	2								1	2		3
Victoria				33	22	55				9	9	18					
Waterloo		1	1	9	8	17				7	7	14	2				2
Welland				20	16	36				3	5	8					
Wellington		1	1	22	27	49				14	11	25	1	1			2
Wentworth				47	48	95				6	9	15	2	1			3
York				33	26	59				30	31	61	2	6			8
Unascertained	22		22	30	6	36				1		1	20	11			31
Totals	123	136	259	4,241	3,941	8,182	21	1	22	1,581	791	2,372	573	643			1216

TABLE NO. 6—LONDON.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women.	Total.	Inherited Predisposition.			Unascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.).....	12	17	29	4	4	8	21
Mental Strain, Worry and Overwork (not included in above).....	10	10	20	2	3	5	15
Religious Excitement.....	1	1	1	.....	.....	.....	1
Love Affairs (including seduction).....	1	1	1	.....	.....	.....	1
Fright and Nervous Shock.....	3	3	3	.....	2	2	1
PHYSICAL.							
Alcoholism.....	4	1	5	2	.....	2	3
Sexual Excess.....	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases.....	8	2	10	.....	.....	.....	10
Masturbation.....	2	.....	2	1	.....	1	1
Insolation.....	.....	1	1	.....	1	1	.....
Accident or Injury.....	.....	.....	1	.....	.....	.....	.....
Pregnancy.....	.....	.....	.....	.....	.....	.....	.....
Parturition and Puerperium.....	.....	4	4	.....	1	1	3
Lactation.....	.....	.....	.....	.....	.....	.....	.....
Climacteric Period.....	.....	3	3	.....	.....	.....	3
Fevers.....	.....	.....	.....	.....	.....	.....	.....
Privation and Overwork.....	3	10	13	1	3	4	9
Epilepsy.....	6	1	7	2	.....	2	5
Other Convulsive Diseases.....	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull.....	6	2	8	1	.....	1	1
Senility.....	12	15	27	.....	1	1	26
Exophthalmic Goitre.....	.....	1	1	.....	.....	.....	1
Epidemic Influenza.....	1	.....	1	1	.....	1	.....
Abuse of Drugs.....	1	1	2	.....	.....	.....	2
Loss of Special Sense.....	1	.....	1	.....	.....	.....	1
Uræmia.....	.....	.....	.....	.....	.....	.....	.....
Other Auto-Infection.....	.....	.....	.....	.....	.....	.....	.....
Other Bodily Diseases.....	2	1	3	.....	.....	.....	3
HEREDITARY.							
Congenital Defect.....	8	3	11	.....	.....	.....	11
Unascertained.....	41	59	100	14	17	31	69
Not Insane.....	6	.....	6	.....	.....	.....	6
Totals.....	123	136	259	28	32	60	199

TABLE No. 7—LONDON.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted during year.			Since 1900.		
	Male.	Female.	Total.	Male.	Female.	Total.
Paternal Branch.....	5	4	9	115	118	233
Maternal Branch.....	7	14	21	131	172	303
Paternal and Maternal Branches.....	8	12	20	53	63	116
Collateral Branches.....	10	10	20	316	264	580
No Hereditary Tendency.....	51	67	118	886	932	1,818
Unascertained.....	42	29	71	370	319	689
Totals.....	123	136	259	1,871	1,868	3,739

TABLE No. 8—LONDON.

Showing summary of Probational discharges during the year.

	Male.	Female.	Total.
Number Granted Probational Discharge.....	63	62	125
Discharged, Recovered while on Probation.....	18	20	38
" Improved.....	17	13	30
" Unimproved.....	1	7	8
Died.....	2	.....	2
Returned to Hospital.....	17	21	38
Absent on Probation on Oct. 31st, 1918.....	9	8	17

TABLE No. 9—LONDON.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever.....				6	3	9
Influenza.....				3	2	5
Cerebro-spinal Meningitis.....					1	1
Diphtheria.....						
Erysipelas.....				7	10	17
Septicæmia.....		1	1	11	12	23
Dysentery.....		1	1	52	68	120
Syphilis.....				1	1	2
Tuberculosis.....	5	7	12	180	220	400
Constitutional Diseases:—						
Rheumatism.....				1	1	2
Arthritis Deformans.....				1	1	2
Diabetes Mellitus.....				6	2	8
Diseases of the Digestive System:—						
Mouth, salivary glands.....				1		1
Pharynx.....						
Tonsils.....						
Œsophagus.....				1		1
Diseases of the Intestines.....						
Diseases of the Liver.....	1	1	2	1	1	2
Diseases of the Pancreas.....				13	15	28
Diseases of the Peritoneum.....	1	1	2	1	1	2
				33	27	60
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx.....						
“ “ Bronchi.....				19	12	31
“ “ Lungs.....	3	1	4	90	110	200
“ “ Pleura.....		1	1	6	2	8
Diseases of the Circulatory System:—						
Diseases of the Pericardium.....						
“ “ Heart.....	2	4	6	89	93	182
Arterio-sclerosis.....				16	24	40
Aneurism.....				4	1	5
Diseases of the Blood and Ductless Glands:—						
Anæmia.....		1	1	3	5	8
Pernicious Anæmia.....	1		1	3	2	5
Leukæmia.....				1		1
Exophthalmic Goitre.....				1	1	2
Diseases of the Genito-Urinary System..						
	2		2	22	8	30
<i>Carried Forward</i>	15	19	34	572	625	1,197

TABLE No. 9—LONDON—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	15	19	34	572	625	1,197
Diseases of the Nervous System:—						
Diseases of the Nerves.....				5	5	10
" " Spinal Cord				1	1	1
" " Meninges.....				11	7	18
Organic Diseases of the Brain.						
(Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage and other gross lesions)	3		3	102	67	169
Functional Nervous Diseases.						
(Paralysis Agitans, Chorea, Eclampsia, Hysteria).....	1		1	29	13	42
Epilepsy	2	2	4	130	77	207
Mental Diseases:—						
Exhaustion of Acute Mental Dis- ease.....	4	8	12	82	81	163
Exhaustion of Chronic Mental Dis- ease	4	13	17	67	76	143
General Paresis.....	8	1	9	149	20	169
Intoxications:—						
Alcoholism						
Morphinism						
Metallic Poisoning.....						
Heat Stroke					1	1
Debility of Old Age	13	8	21	213	206	419
Accident				11	8	19
Suicide.....	2		2	15	10	25
Surgical Diseases.....				3	4	7
Gynæcological Diseases.....					1	1
Malignant New Growths, or Cancer	2	2	4	20	37	57
Totals	54	53	107	1,409	1,239	2,648

TABLE No. 10—LONDON.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female	Total.	Male.	Female	Total.	Male.	Female	Total.
Infection Psychoses:—									
(a) Fever Delirium									
(b) Infection Delirium									
(c) Post Infection Psychoses	3		3	1		1			
Exhaustion Psychoses:—									
(a) Collapsed Delirium									
(b) Acute Confusional Psychoses		9	9	1	3	4	1	5	6
(c) Neurasthenia									
Intoxication Psychoses:—									
(a) Acute Intoxications									
(b) Chronic									
(a) Alcoholism (acute and chronic)	1		1	2		2			
(b) Delirium Tremens	1		1	1		1			
(c) Korsakow's Psychoses									
(d) Acute Alcoholic Hallucinosiis									
(e) Alcoholic Hallucinatory Dementia									
(f) " Paranoia									
(g) " Paresis									
(h) Morphinism	1	1	2		1	1			
(i) Cocainism									
Thyroidogenous Psychoses:—									
(a) Mixœdematous Psychoses									
(b) Cretinism									
Dementia Præcox:—									
(a) Hebaphrenic	10	15	25	4		4	3	6	9
(b) Catatonic	22	21	43	28	16	44	1	2	3
(c) Paranoid	9	14	23	3	2	5	4	7	11
General Paresis	8	2	10	3		3	7	1	8
Organic Dementias	1		1				1		1
(a) Cerebral Sclerosis	1		1						
(b) Huntingdon's Chorea									
(c) Multiple Sclerosis									
(d) Cerebral Syphilis									
(e) Tabetic Psychoses	1		1	1		1			
(f) Arterio Sclerotic Psychoses	2	1	3		2	2			
(g) Cerebral Tumor, Abscess, Hæmorrhage ..	2	2	4	2	1	3			
Involution Psychoses:—									
(a) Melancholia	2	14	16	1	3	4	3	3	6
(b) Pre-senile Delusional Psychoses	1		1				1		1
(c) Senile Dementia	13	18	31	3	3	6	17	12	29
Manic Depressive Psychoses:—									
(a) Manic States	8	9	17	3	5	8	3		3
(b) Depressed States	9	16	25	7	5	12	1	1	2
(c) Mixed States		4	4	1	3	4		1	1
Carried Forward	95	127	221	61	44	105	42	38	80

TABLE No. 10—LONDON—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female	Total.	Male.	Female	Total.	Male.	Female	Total.
<i>Brought Forward</i>	95	127	221	61	44	105	42	38	80
Paranoia	3	1	4						
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	7	2	9				2	2	4
(b) Hysterical Psychoses	1	2	3		3	3			
(c) Sexualis Psychopathia									
States of Deficient Mental Development:—									
(a) Imbecility	11	4	15	6	3	9	1	2	3
(b) Idiocy		1	1						
Not Diagnosed							9	11	20
Not Insane	6		6	6		6			
Totals	123	136	259	73	50	123	54	53	107

TABLE No. 11—LONDON.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1918.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month	48	30	7	3		14
From 1 to 2 months	13	8		1	1	9
" 2 " 3 "	17	12	6	2		2
" 3 " 4 "	16	18	6	5		6
" 4 " 5 "	16	23	3	6		6
" 5 " 6 "	11	16	2	6		4
" 6 " 9 "	14	30	12	6		2
" 9 " 12 "	17	38	7	11	1	2
" 12 " 18 "	18	55	6	3		5
" 18 months to 2 years ..	10	32	1	1	1	3
" 2 to 3 years	21	70	2	3		4
" 3 " 4 "	19	67	2			3
" 4 " 5 "	11	80		1		2
" 5 " 10 "	15	228	2	3		10
" 10 " 15 "	7	168				6
" 15 " 20 "	1	135		2		8
" 20 years and upwards	5	206				21
Totals	259	1,216	62	53	4	107

HOSPITAL FOR INSANE, MIMICO.

TO WILLIARD W. DUNLOP, ESQ.,

*Inspector of Hospitals for Insane.**Parliament Buildings, Toronto, Ontario.*

SIR,—In accordance with the requirements of the Statute, I have the honour to submit herewith the Twenty-fourth Annual Report of this Hospital for the year ending October 31st, 1918.

—	Male.	Female.	Total.	Male.	Female.	Total.
There were in residence on October 31st, 1917				346	335	681
Admitted during the year by Warrant....	47	27	74			
Admitted during the year by Certificate..	33	49	82			
Total admitted during the year				80	76	156
Total number under treatment during the year				426	411	837
Discharged during the year as recovered..	10	19	29			
Discharged during the year as improved..	17	11	28			
Discharged during the year as unimproved	1	.....	1			
Total discharged during the year	28	30	58			
Number died during the year	44	27	71			
Number eloped during the year	3	.....	3			
Number transferred during the year....	12	16	28			
Number deported during the year.....	2	.....	2			
Total number leaving the hospital during the year				89	73	162
Total number remaining in the hospital on October 31st, 1918.....				337	338	675

ADMISSIONS.

During the past official year there were one hundred and fifty-six patients admitted to this Hospital, seventy-four by Lieutenant-Governor's Warrant and eighty-two by Medical certificate. Of this number, eighty were men and seventy-six were women. Seventy-one of those admitted were single and seventy-two were married, while eight men and four women had lost their helpmates and one woman had been divorced. Of the seventy-one single persons admitted, forty-eight were men and twenty-three were women, while of the eighty-five who had been married thirty-two were men and fifty-three were women. Among the men an hereditary predisposition could be traced, according to their histories, in twenty-one and among the women in twenty cases, amounting in all to about twenty-seven per cent. of the total number of admissions.

Adverse conditions in life such as loss of friends through illness at home or worry and anxiety over their absence or loss in the war, business troubles, mental strain and over-work were believed to have been contributory causes in thirty-four cases, eleven men and twenty-three women. For the first time in

the history of this hospital there were no cases admitted in which the cause could be ascribed to the use of alcohol. Ten cases were traceable to accident or injury, but some allowance has always to be made in considering traumatic causes on account of the natural tendency of many friends to accentuate the importance of any physical injury.

Of the total number admitted thirty-seven patients were reported to have been ill for a period less than two months, while sixty-four had been ill for a period over a year before their admission to the hospital for treatment.

One hundred and nine, fifty-five men and fifty-four women were born in Canada, twenty-seven in Great Britain, two in other British possessions, and the remaining eighteen in other countries.

Of the total number admitted, twenty-eight were Presbyterians, twenty-seven Episcopalians, twenty-one Methodists, fifty-seven Roman Catholics, five Baptists, and other denominations thirty-two.

Twenty-two of the men were labourers, fourteen were mechanics, and twenty-six formerly followed agricultural pursuits.

Six patients of the total number admitted were under twenty years of age, thirty-one were between thirty and forty years, thirty-one between forty and fifty years, twenty-six between fifty and sixty years, ten between sixty and seventy years and twelve were over seventy years of age.

DISCHARGES.

During the year there were fifty-eight patients discharged from this Hospital, twenty-eight men and thirty women, and twenty-eight were transferred to other Hospitals, twelve being men and sixteen women. There were also sixty-eight patients, thirty-seven men and thirty-one women allowed to go to their homes on trial with their friends and of this number only fifteen, nine men and six women, were obliged to return to the Hospital after varied periods of residence at home. Of the total number discharged forty-eight had been under treatment in the Hospital for a period less than a year, indicating the relative curability during the early stages of the illness, while the other extreme is illustrated by the fact that one man was discharged improved after a residence of twenty-six years, and still another after living at the Hospital a little over twenty-eight years.

DEATHS.

During the past year there were seventy-one patients who died at this Hospital, forty-four men and twenty-seven women. Of this number, thirty-nine died under the age of fifty years, fourteen between fifty and sixty, ten between sixty and seventy and eight were over seventy years of age.

In thirty-six cases death was due to the exhaustion of the acute or chronic mental illness unattended by disease of any of the vital organs, and while in fourteen other cases tuberculosis developed and was a contributory cause, there is hardly any doubt that exhaustion of the nervous centre supplied the favourable foundation for its development. Eight cases died of pneumonia and five from epilepsy.

FARM AND GARDEN.

The farming operations during the past year have been attended with most satisfactory results and generous crops of hay and ensilage and grain and roots

have been harvested. Although the farmer, Mr. Stock, has been without sufficient help for a good part of the season he has by his own indomitable energy and application been able to accomplish a surprisingly large amount of work and the abundant yield and superior quality of all the farm products have given him his well-earned reward.

The fruits and vegetables and roots grown in the garden under the supervision of the gardener have never been of finer quality and the crops of all varieties have been rather above the average, and if the present stores can be as successfully preserved during the coming winter by the gardeners new method of "surface pits" as they were last winter, the patients will be well supplied with choice products.

NEW METHOD OF SAVING ROOTS AND VEGETABLES.

Last winter the gardener made a most successful experiment with an untried plan for saving roots and vegetables during the cold weather and at the same time keeping the stock within easy access at any given time. The plan was simple and was merely an adaptation of the "pit" method coupled with the employment of leaves instead of straw which is in such common use in rural districts. For each "pit" a space of about six feet wide and of any convenient length is selected on the surface of well drained sandy soil and around its margins a small bank of earth is raised about eight inches in height. A carpet of leaves about three inches thick is then spread over the bottom of this enclosed space and the vegetables and roots are then placed upon this thick layer of leaves, and they are arranged in a mound shape so that the outer edges rise slightly above the margins of the basin and in the centre of the pit the vegetables at their highest point would be about four feet from the carpet of leaves at the bottom of the basin. The covering over the vegetables consisted of leaves only and the thickness of this covering was from six to eight inches. When snow fell upon the covering it was allowed to remain and when it melted the resulting water ran down the surface of this leaf-covered roof into the ground below. Whenever vegetables were required for use the leaves were removed from a small portion of the roof and the vegetables taken out and the leaves replaced so as to make a complete covering again. Of course vegetables could only be removed during periods when the temperature was above the freezing point, but at such times supplies for a week or two could be removed and stored in the cellar and rarely was there any inconvenience on this account. In the spring after all the frost had gone from the ground these vegetables and roots, cabbages, beets, carrots and turnips were in equally good order and they were as fresh and possessed all the flavour which they had when placed under the leaves in the fall.

There were two conditions which were especially favourable to this experiment at this place, namely, the quality of the soil on which the "pits" were made and the quality and abundance of leaves available for use. The soil was sandy and porous and any possible dampness upon the vegetables at any time found easy means of escape into the ground below. The leaves were carefully gathered from the lawns as they fell from the trees in the autumn and they were large and well-formed and clean and came chiefly from Norway maples. Leaves have the advantage over straw that their shape is more like that of shingles and they make a better shelter from rains or melted snow and at the same time afford all necessary ventilation for the vegetables.

INFLUENZA.

At the time of writing this hospital is apparently in the early stages of a severe epidemic of so-called Spanish Influenza. Up to the present date only about nine men and twenty-eight women have suffered from the disease and thus far the mortality rate has not been high. Owing to the seriousness of this affection in Europe and in some of the neighbouring States the greatest vigilance is being exercised by the whole staff in order that the initial symptoms may be promptly recognized, and appropriate treatment employed at the inception of the malady. While the overcrowded state of the cottages will naturally promote the communicability of the disease, on the other hand the cottage system itself should serve to limit its extension as compared with the block system where large numbers of patients are congregated in one big building.

FARMERS' AND CARPENTERS' COTTAGES.

The old wooden structures in the rear of the farmers' and carpenters' cottages had with the passage of years become so decayed and dilapidated that they were insanitary and unsafe, and during the past year the much needed additions and repairs were made at both these places. Mr. Govan, of the Department, made the plans and the hospital staff under the direction of the carpenter did the work so that the actual outlay was not great. These additions are now made of brick in keeping with the main part of the houses, and they each provide a good summer kitchen, pantry and small cupboards on the ground floor and a small sleeping room and bothroom and lavatory on the first floor. Under these additions are small vegetable cellars of sufficient size to store supplies enough for the occupants.

While these additions were being made, furnaces for heating the cottages were also installed and these buildings are now much more comfortable and convenient for the families who live in them.

SHORTAGE OF STAFF.

Each succeeding year the problem of securing adequate service seems to become greater in every department notwithstanding the increased remuneration which is offered. Every available man and woman who gives promise of intelligence and stability is promptly engaged and although advantage is taken of all known measures to increase the staff, the additions are distressingly small. It has always happened, however, that when the number of employees has become dangerously low and when apparently on the brink of disaster someone has come along from an unexpected quarter to save the situation.

OFFICERS AND EMPLOYEES.

After ten years of unselfish devotion to hospital work Dr. J. A. Rollins resigned his position as Assistant Medical Superintendent at this place on June 30th, 1918, and retired from the strain and stress of office life to the quiet relaxation of his own private home at London. Seldom has it been my privilege to be associated with an officer who was so uniformly considerate for the welfare of the patients and employees and what at the same time dispensed with equal fairness his disciplinary decisions. His unwavering kindness and unflinching

geniality won the lasting regard of all who came within the sphere of his influence, and I am personally thankful that his services were so long available at this hospital.

During the past year fifty-four men and fifty women were employed to fill the vacancies of those who had discontinued their services.

Gratefully acknowledging your consideration and counsel during the past year.

I have the honour to be, Sir,

Your obedient servant,

N. H. BEEMER.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, MIMICO, FOR THE YEAR
ENDING OCTOBER 31st, 1918.

TABLE No. 1—MIMICO.

Showing movements of patients in the Hospital for the official year ending October 31st, 1918.

—	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	340	320	660			
In Residence October 31st, 1917				346	335	681
Admitted during year 1917-18:—						
By Warrant	47	27	74			
By Medical Certificate	33	49	82	80	76	156
Total number under treatment during year				426	411	837
Discharges during year:—						
As recovered	10	19	29			
" improved	17	11	28			
" unimproved	1	.....	1			
" not insane						
Total number discharged during year ...	28	30	58			
Died	44	27	71			
Deported	2	.....	2			
Eloped	3	.....	3			
Transferred	12	16	28	89	73	162
Remaining in Hospital October 31st, 1918				337	338	675
Total number admitted since opening of Hospital				2,045	1,849	3,894
Total number discharged since opening of Hospital	700	630	1,330			
Total number died since opening of Hospital	614	508	1,122			
Total number deported since opening of Hospital	48	9	57			
Total number eloped since opening of Hospital	52	1	53			
Total number transferred since opening of Hospital	294	363	657	1,708	1,511	3,219
Total remaining in Hospital October 31st, 1918				337	338	675
Daily average population	344.31	339.05	683.36			
Collective days' stay of all patients in residence during year	125,675	123,753	249,428			
Number of applications on file	10	21	31			

TABLE No. 2—MIMICO.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			In residence.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single.....	48	23	71	236	147	383	1,262	713	1,975
Married	24	48	72	86	156	242	732	1,070	1,802
Widowed	8	4	12	15	34	49	51	63	114
Divorced		1	1		1	1		3	3
Separated									
Unascertained									
Totals	80	76	156	337	338	675	2,045	1,849	3,894
RELIGION.									
Baptists	1	4	5	10	11	21	64	80	144
Congregationalists					1	1	4	7	11
Church of England	11	16	27	69	68	137	402	403	805
Methodists	11	10	21	61	87	148	438	470	903
Presbyterians	20	8	28	76	67	143	400	350	750
Roman Catholics	27	30	57	89	79	168	499	405	904
Other Denominations....	5	7	12	21	17	38	162	84	246
Unascertained	5	1	6	11	8	19	76	50	126
Totals.....	80	76	156	337	338	675	2,045	1,849	3,894

TABLE No. 3—MIMICO.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total admissions	80	76	156	2,045	1,849	3,894
Total born in Canada	55	54	109	1,344	1,275	2,619
Armenia						
Assyria	1		1	2		2
Austria	1		1	29	3	32
Australia				1		1
Belgium						
Bulgaria				1		1
Central America						
China				2		2
Denmark				1		1
England	5	11	16	228	190	418
France				5	2	7
Finland	1	2	3	32	8	40
Galicia	1		1	2		2
Germany	2	1	3	25	9	34
Greece				2		2
Holland				1		1
Hungary					2	2
Ireland	4	1	5	168	190	358
Italy	2	1	3	19	3	22
Japan						
Macedonia				1		1
Other British Possessions	1	1	2	2	8	10
Norway	1	1	2	9	3	12
Roumania				3		3
Russia	1		1	19	13	32
Scotland	3	3	6	80	79	159
South America						
Spain					1	1
Sweden	1		1	15	12	27
Turkey						
United States				33	34	67
West Indies				2		2
Unascertained	1	1	2	19	17	36
Totals	80	76	156	2,045	1,849	3,894

TABLE No. 4—MIMICO.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional :— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc	1	.....	1	75	7	82
Commercial :— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc	7	3	10	157	25	182
Agricultural and Pastoral :— Farmers, Gardeners, Stock Men, etc.	26	.....	26	584	.....	584
Mechanics at Outdoor Vocations :— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.....	14	.....	14	213	2	215
Mechanics, etc., at Sedentary Vocations : Shoemakers, Bookbinders, Composi- tors, Weavers, Tailors, Seam- stresses, Bakers, Factory Workers, etc.....	3	.....	3	125	63	188
Domestic Service :— Waiters, Cooks, Servants, etc.....	.....	6	6	10	239	249
Education and Higher Domestic Duties :— Governesses, Teachers, Students, Housekeepers, Nurses, etc.....	.....	59	59	24	1,283	1,307
Miners, Marine Engineers, Railway Em- ployees, Seamen, etc	4	.....	4	57	.....	57
Laborers	22	.....	22	664	2	666
No Occupation	3	8	11	72	181	253
Unascertained .....	.....	.....	.....	64	47	111
Totals	80	76	156	2,045	1,849	3,894

TABLE No. 5—MIMICO.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
	Male.	Female.	Total.	Male.	Female.	Total.	Admitted during year.			Admitted since opening.			Male.	Female.	Total.
							Male.	Female.	Total.	Male.	Female.	Total.			
Algoma District ..	8	3	11	96	78	174	7	1	8	78	41	119	16	12	28
Brant				7	5	12				3	1	4	1		1
Bruce				4	4	8				3	1	4			
Carleton				10	11	21				8	6	14	1		1
Dufferin				6	3	9				2	1	3	1	1	2
Dundas				3	5	8				2	3	5	2		2
Durham				14	20	34				7	8	15	5	4	9
Elgin				6		6				4		4			
Essex	1		1	6	2	8					1	1	1		1
Frontenac				12	17	29				5	7	12			
Glengarry				2	2	4				1		1			
Grenville				4	6	10				2	3	5			
Grey				19	18	37				12	8	20	1	6	7
Haldimand				1	1	2							1		1
Halton				6	11	17				1	2	3	2		2
Haliburton				6	4	10				4	2	6	2		2
Hastings	1		1	24	33	57				15	25	40	1	1	2
Huron				5	6	11				1	1	2			
Kent				4		4				4		4	1		1
Lambton				5	5	10				4	3	7			
Lanark				9	8	17				7	6	13			
Leeds				1	3	4				1	2	3			
Lennox and Ad- dington				4	5	9				3	5	8			
Lincoln	1	1		2	2	4							1	1	2
Manitoulin				18	11	29				10	6	16	1	4	5
Middlesex				16	6	22				8	1	9	2		2
Muskoka District ..	6	1	7	63	52	115	4		4	33	13	46	6	7	13
Nipissing District.	15	21	36	199	112	311	13	11	24	160	58	218	46	41	87
Norfolk				3	4	7				2	1	3			
Northumberland ..				26	24	50				13	9	22	3		3
Ontario	6	5	11	159	167	326	2	1	3	77	42	119	19	27	46
Oxford				9	2	11				7	2	9	2		2
Parry Sound Dis- trict	6	5	11	73	57	130	3	3	6	43	21	64	19	19	38
Peel	5	6	11	96	99	195	2		2	36	26	62	17	18	35
Perth				9	2	11				4		4	2		2
Peterborough	6	8	14	133	166	299	5	3	8	79	44	123	23	39	62
Prescott				4	3	7				4	3	7			
Prince Edward ..				3		3				3	2	5	1		1
Rainy River Dis- trict	2	1	3	38	25	63	2		2	32	21	53	7	7	14
Renfrew				4	5	9				4	3	7			
Russell				3	1	4				3		3			
Simcoe	7	8	15	276	242	518	2	1	3	100	44	144	46	36	82
Stormont				1	2	3						1			
Thunder Bay Dis- trict	5	9	14	102	62	164	5	7	12	95	53	148	23	15	38
Victoria	6	4	10	151	136	287	2		2	99	37	136	31	34	65
Waterloo				5	2	7				3	1	4	1		1
Welland				3	2	5				2		2	1		1
Wellington				4	4	8					1	1			
Wentworth					10	10					3	3		3	3
York	6	4	10	381	395	776				192	172	364	53	59	112
Unascertained				10	3	13				2	3	5	2		2
Totals	80	76	156	2,045	1,849	3,894	47	27	74	1,178	695	1,873	337	338	675

TABLE No. 6—MIMICO.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women.	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc).....	5	9	14		4	4	10
Mental Strain, Worry and Overwork (not included in above).....	6	14	20	2	6	8	12
Religious Excitement.....	1	1	2	1		1	1
Love Affairs, including seduction.....	1		1				1
Fright and Nervous Shock.....	1		1	1		1	
PHYSICAL.							
Alcoholism							
Sexual Excess.....							
Veneral Diseases.....							
Masturbation.....							
Insolation	1	3	4	1	1	2	2
Accident or Injury	8	2	10	2		2	8
Pregnancy		1	1				1
Parturition and Puerperium.....		5	5		2	2	3
Lactation.....							
Climacteric Period.....		1	1		1	1	
Fevers							
Privation and Overwork.....		4	4				4
Epilepsy	2	1	3				3
Other Convulsive Diseases.....							
Diseases of Brain and Skull.....							
Senility.....	3	1	4				4
Exophthalmic Goitre.....							
Epidemic Influenza.....							
Abuse of Drugs.....		1	1				1
Loss of Special Sense.....							
Uræmia							
Other Auto-infection.....							
Other Bodily Diseases	1	1	2				2
HEREDITARY.							
Congenital Defect							
Unascertained	51	32	83	14	6	20	63
Not Insane.....							
Totals.....	80	76	156	21	20	41	115

TABLE No. 7—MIMICO.

Showing hereditary tendency to insanity in patients admitted during the year.

	Admitted during year.		
	Male.	Female.	Total.
Paternal Branch.....	2	4	6
Maternal Branch.....	4	6	10
Paternal and Maternal Branches		3	3
Collateral Branches.....	10	5	15
No Hereditary Tendency	18	32	50
Unascertained	46	26	72
Totals.....	80	76	156

TABLE No. 8—MIMICO.

Showing summary of Probational Discharges during the year.

	Male.	Female.	Total.
Number granted probational discharge	37	31	68
Discharged recovered while on probation.....	6	14	20
" Improved	10	5	15
" Unimproved	1		1
Died			
Returned to Hospital.....	9	6	15
Absent on probation on October 31st, 1918.....	11	6	17

TABLE No 9—MIMICO.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases —						
Typhoid Fever.....				5	5	10
Influenza.....					2	2
Cerebro-spinal Meningitis.....						
Diphtheria.....						
Erysipelas.....				3	3	6
Septicæmia.....				7	4	11
Dysentery.....				10	18	28
Syphilis.....				1		1
Tuberculosis.....	9	5	14	74	97	171
Constitutional Diseases:—						
Rheumatism.....				2		2
Arthritis Deformans.....						
Diabetes Mellitus.....				3	4	7
Diseases of the Digestive System:—						
Mouth, salivary glands.....						
Pharynx.....						
Tonsils.....						
Œsophagus.....						
Stomach.....				1	1	2
Diseases of the Intestines:—						
Diseases of the Liver.....		1	1	4	2	6
Diseases of the Pancreas.....				1	1	2
Diseases of the Peritoneum.....				8	7	15
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx.....				1		1
Diseases of the Bronchi.....	1	1	2	3	3	6
Diseases of the Lungs.....	7	1	8	41	30	71
Diseases of the Pleura.....				1		1
Diseases of the Circulatory System:—						
Diseases of the Pericardium.....				1	1	2
Diseases of the Heart.....	1		1	52	44	96
Arterio-sclerosis.....				4	5	9
Aneurism.....					1	1
Diseases of the Blood and Ductless Glands:—						
Anæmia.....				6	7	13
Pernicious Anæmia.....		1	1	4	1	5
Leukæmia.....				1		1
Exophthalmic Goitre.....					1	1
Diseases of the Genito-Urinary System..						
				5	3	8
<i>Carried forward</i>	18	9	27	238	240	478

TABLE No. 9—MIMICO—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought forward</i>	18	9	27	238	240	478
Diseases of the Nervous System:—						
Diseases of the Nerves					2	2
Diseases of the Spinal Cord				10	2	12
Diseases of the Meninges						
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thromboids, Hæmorrhage. and other gross lesions)	3		3	45	30	75
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria)				6	2	8
Epilepsy	4	1	5	73	24	97
Mental Diseases:—						
Exhaustion of Acute Mental Dis- ease	13	9	22	70	48	118
Exhaustion of Chronic Mental Dis- ease	6	8	14	51	42	93
General Paresis				42	17	59
Intoxications:—						
Alcoholism						
Morphinism						
Metallic Poisoning						
Heat Stroke						
Debility of Old Age				61	80	141
Accident				3	3	6
Suicide				4	2	6
Surgical Diseases				2	3	5
Gynæcological Diseases					1	1
Malignant New Growths, or Cancer				6	11	17
Unknown (died while on probation)				3	1	4
Totals	44	27	71	614	508	1,122

TABLE No. 10—MIMICO.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium									
(b) Infection Delirium									
(c) Post Infection Psychoses									
Exhaustion Psychoses:—									
(a) Collapsed Delirium									
(b) Acute Confusional Psychoses									
(c) Neurasthenia									
Intoxication Psychoses:—									
(a) Acute Intoxications									
(b) Chronic "									
(a) Alcoholism (acute and chronic)									
(b) Delirium Tremens									
(c) Korsakow's Psychoses									
(d) Acute Alcoholic Hallucinosis									
(e) Alcoholic Hallucinatory Dementia									
(f) " Paranoia									
(g) " Paresis									
(h) Morphinism									
(i) Cocainism									
Thyroigenous Psychoses:—									
(a) Mixœdematous Psychoses									
(b) Cretinism									
Dementia Præcox:—									
(a) Hebaphrenic	12	9	21	4	2	6	10	1	11
(b) Catatonic	2	3	5	2	2	4	1	4	5
(c) Paranoid	9	4	13	1	2	3	3	1	4
General Paresis					1	1	1		1
Organic Dementias:—									
(a) Trauma	1		1						
(b) Cerebral Sclerosis									
(c) Huntingdon's Chorea									
(d) Multiple Sclerosis		1	1						
(e) Cerebral Syphilis									
(f) Tabetic Psychoses									
(g) Arterio Sclerotic Psychoses									
(h) Cerebral Tumor, Abscess, Hæmorrhage..	1		1	1		1	2		2
(i) Sunstroke		1	1						
Involution Psychoses,—									
(a) Melancholia								1	1
(b) Pre-senile Delusional Psychoses					1	1	2		2
(c) Senile Dementia	5	3	8				1	2	3
Manic Depressive Psychoses:—									
(a) Manic States	30	21	51	9	11	20	10	5	15
(b) Depressed States	9	28	37	5	9	14	6	6	12
(c) Mixed States	1	2	3	5	2	7	3	2	5
Carried Forward	70	72	142	28	30	58	37	24	61

TABLE No. 10—MIMICO—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought forward</i>	70	72	142	28	30	58	37	24	61
Paranoia.....	6	2	8						
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses.....	2	1	3				5		5
(b) Hysterical Psychoses.....									
(c) Sexualis Psychopathia									
States of Deficient Mental Development:—									
(a) Imbecility	2	1	3	2		2	2	2	4
(b) Idiocy									
Not Diagnosed.....									1
Not Insane									1
Totals	80	76	156	30	30	60	44	27	71

*Includes 2 deports.

TABLE No. 11—MIMICO.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1918.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged unproved during the year.	Periods of treatment of those who were discharged unproved during the year.	Periods of treatment of those who died during the year.
Under 1 month	17	11		1		10
From 1 to 2 months.....	20	10		2		3
" 2 " 3	13	20				1
" 3 " 4	9	14				3
" 4 " 5	12	5	1	1		3
" 5 " 6	3	9	5	2		5
" 6 " 9	12	24	4	1		1
" 9 " 12	6	21	4	4		6
" 12 " 18	15	46	10	4		3
" 18 months to 2 years.	4	29	1	4	1	6
" 2 to 3 years.....	13	40	2	4		3
" 3 " 4	8	39	2	1		3
" 4 " 5	4	43				3
" 5 " 10	13	137		2		4
" 10 " 15	2	90				5
" 15 " 20	1	59				3
" 20 years and upwards	1	78		2		4
Unascertained.....	3					1
Totals.....	156	675	29	28	1	71

HOSPITAL FOR INSANE, PENETANGUISHENE.

ANNUAL REPORT OF THE MEDICAL SUPERINTENDENT FOR THE YEAR ENDING
OCTOBER 31ST, 1918.

W. W. DUNLOP, Esq.,

*Inspector of Ontario Hospitals for the Insane,
Parliament Buildings, Toronto, Ontario.*

SIR,—In accordance with Statutory requirements I have the honour to submit the Fifteenth Annual Report of the Hospital for Insane, Penetanguishene, for the year ending October 31st, 1918.

POPULATION.

At the beginning of the year there were one hundred and sixty-seven male and two hundred and two female patients in residence. During the year eleven men and thirteen women died, two men eloped, one man was discharged as improved and ten men and fourteen women were admitted transfers from other Institutions, and one woman, who had been here on two previous occasions, was admitted from Midland so that, at the end of the year, we have in residence one hundred and sixty three men and two hundred and four women.

WORK DONE.

Notwithstanding the great difficulty in procuring and keeping help, the work of the Institution was satisfactorily performed. The roofs of laundry and boiler room, which were in bad repair, were replaced by metal roofing and the roof of verandah at Superintendent's residence was given more pitch and was re-covered. Numerous repairs were made to slate roof on Main Building. The water mains left over from last year were completed and water connection and extension for fire purposes was made to cottages. The roofs of a number of employees' houses were shingled, an addition was made to Painter's house, the exteriors of most of the houses were painted and repairs and decorating were done where necessary in every home. The roof of granary was re-shingled and the Farmer cleared the stone from about four acres of land. The Mason extended chimney on kitchen twelve feet. Numerous repairs were made to plumbing, resulting in the saving of water, but there is still much to be done. Electric wiring and lighting was partly completed and the general working of the farm and garden was carried out as usual.

REQUIREMENTS.

The electric wiring and lighting should be completed in Main Buildings and extended to all employees' houses.

HEALTH OF COMMUNITY.

I am pleased to be able to report that the health of our people has been good. Up to date none of the patients in residence have contracted Spanish Influenza but a patient, out on probation, was returned with the disease and died of pneumonia.

CHURCH SERVICES.

We are again indebted to the clergy of Pen-tanguishene for ministering to the spiritual needs of our people.

STAFF.

There has not been any change in the Official staff of the Institution, with the exception that Dr. J. W. McBride came on as temporary Assistant Physician in December, and but few changes in employees and nurses, whom we were fortunate in being able to replace.

I have again to thank all officers, artisans, nurses and other employees for their loyalty and faithfulness in the discharge of their duties and you, Sir, for your counsel and support.

I have the honour to be, Sir,

Your obedient servant,

W. T. WILSON,

Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, PENETANGUISHENE, FOR THE YEAR
ENDING OCTOBER 31ST, 1918.

TABLE No. 1—PENETANGUISHENE.

Showing movements of patients in the Hospital for the official year ending
October 31ST, 1918.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital.....	166	203	369			
In residence October 31 ST , 1917.....				167	202	369
Admitted during year 1918 :—						
By Warrant.....	10	7	17			
By Medical Certificate.....		8	8	10	15	25
Total number under treatment during year.....				177	217	394
Discharges during year :—						
As recovered.....						
As improved.....		1	1			
As unimproved.....						
As not insane.....						
Total number discharged during year.....						
Died.....	11	13	24			
Deported.....						
Eloped.....	2		2			
Transferred.....				14	13	27
Remaining in Hospital October 31 ST , 1918.....				163	204	367
Total number admitted since opening of Hospital.....				329	394	723
Total number discharged since opening of Hospital.....	18	22	40			
Total number died since opening of Hospital.....	112	142	254			
Total number deported since opening of Hospital.....	9		9			
Total number eloped since opening of Hospital.....	15		15			
Total number transferred since opening of Hospital.....	12	26	38	166	190	356
Total remaining in Hospital October 31 ST , 1918.....				163	204	367
Daily average population.....	163.28	200.42	363.70			
Collective days' stay of all patients in residence during year.....	59,600	73,154	132,754			
Number of applications on file.....						

TABLE No. 2—PENETANGUIHENE.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			In residence			Admissions since opening		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single.....	6	2	8	131	110	241	242	196	438
Married.....	2	13	15	29	90	119	76	186	262
Widowed.....	1	.....	1	3	4	7	3	5	8
Divorced.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Separated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unascertained.....	1	.....	1	.....	.....	.....	8	7	15
Totals.....	10	15	25	163	204	367	329	394	723
RELIGION.									
Baptists.....	.....	1	1	6	14	20	12	17	29
Congregationalists.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Church of England.....	1	4	5	21	53	74	61	95	156
Methodists.....	.....	4	4	27	41	68	53	78	131
Presbyterians.....	1	1	2	17	20	37	42	69	102
Roman Catholics.....	3	3	6	54	48	102	84	93	177
Other Denominations.....	3	2	5	19	12	31	42	32	74
Unascertained.....	2	.....	2	19	16	35	35	19	54
Totals.....	10	15	25	163	204	367	329	394	723

TABLE No. 3—PENETANGUISHENE.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions.....	10	15	25	329	394	723
Total born in Canada.....	5	10	15	174	232	406
Armenia.....					1	1
Assyria.....					2	2
Austria.....	2		2	7		7
Australia.....						
Belgium.....						
Bulgaria.....				1		1
Central America.....						
China.....						
Denmark.....					1	1
England.....		1	1	51	49	100
France.....		1	1	1	2	3
Finland.....	2		2	11	2	13
Galicia.....				2		2
Germany.....		1	1	6	6	12
Greece.....				1		1
Holland.....						
Hungary.....						
Ireland.....				21	47	68
Italy.....				5	1	6
Japan.....						
Macedonia.....				1		1
Other British Possessions.....						
Norway.....				1		1
Roumania.....						
Russia.....	1	1	2	7	6	13
Scotland.....		1	1	12	22	34
South America.....						
Spain.....						
Sweden.....				4	2	6
Turkey.....						
United States.....				8	6	14
West Indies.....						
Unascertained.....				16	15	31
Totals.....	10	15	25	329	394	723

TABLE No. 4—PENETANGUISHENE.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this year.			Since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional :—						
Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.....				3		3
Commercial :—						
Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.....				4	1	5
Agricultural and Pastoral :—						
Farmers, Gardeners, Stockmen, etc.	3		3	72		72
Mechanics at Outdoor Vocations :—						
Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.....				23		23
Mechanics, etc., at Sedentary Voca- tions :—						
Shoemakers, Bookbinders, Com- positors, Weavers, Tailors, Seam- stresses, Bakers, Factory Workers, etc.....		1	1	10	12	22
Domestic Service :—						
Waiters, Cooks, Servants, etc.....		2	2		137	137
Education and Higher Domestic Duties :—						
Governesses, Teachers, Students, Housekeepers, Nurses, etc.....		12	12	6	155	161
Miners, Marine Engineers, Railway Em- ployees, Seamen, etc.....	1		1	5		5
Laborers	6		6	163	1	164
No Occupation				18	56	74
Unascertained				25	32	57
Totals	10	15	25	329	394	723

TABLE No. 5—PENETANGUISHENE.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant Cases.						Remaining in residence.		
	Male.	Female.	Total.	Male.	Female.	Total.	Admitted during year.			Admitted since opening.			Male.	Female.	Total.
							Male.	Female.	Total.	Male.	Female.	Total.			
Algoma District...	3	1	4	25	13	38	3	1	4	18	10	28	18	8	26
Brant				1	1	2							1	1	2
Bruce				1	6	7				1	3	4	1	3	4
Carleton				1	4	5				1	2	3	1	2	3
Dufferin				1	4	5				1	1	2	1	2	3
Dundas															
Durham				1	1	2									
Elgin				1	4	5				1	3	4		3	3
Essex					2	2					2	2			
Frontenac					4	4				1	2	3		3	3
Glengarry															
Grenville															
Grey				14	5	19				11	4	15	6	3	9
Haldimand															
Halton				1	1	2									
Hastings				1	6	7				1	6	7	1	1	2
Huron				2	3	5				1		1		2	2
Kent															
Lambton				1	3	4				1	1	2		1	1
Lanark					1	1								1	1
Leeds				1	1	2					1	1			
Lennox & Addington				1	6	7					5	5		2	2
Lincoln				2	2	4				2	2	4			
Middlesex				5	8	13				4	4	8	1	1	2
Muskoka District..	1	1	2	13	11	24	1		1	10	7	17	8	6	14
Nipissing District.	2	4	6	18	15	33	2	3	5	19	11	30	8	11	19
Norfolk					5	5								2	2
Northumberland ..				5	10	15				2	4	6	2	6	8
Ontario		2	2	18	15	33				16	6	22	11	10	21
Oxford				2	2	4				2	1	3	1		1
Parry Sound Dist..	1		1	7	2	9	1		1	7		7	4	1	5
Peel				1	4	5					2	2		3	3
Perth				1	3	4				1	2	3			
Peterborough		2	2	6	5	11				6	3	9	3	4	7
Prescott				2	1	3				1		1	2		2
Prince Edward															
Rainy River Dist..		1	1	10	4	14				10	3	13	5	2	7
Renfrew				1	3	4				2	1	3		3	3
Russell															
Simcoe	1	2	3	73	93	166	1	1	2	30	30	60	23	39	62
Stormont				1	1	2					1	1		1	1
Thunder Bay Dist.	2	1	3	16	10	26	2	1	3	16	10	26	14	5	19
Victoria		1	1	7	8	15		1	1	6	7	13	3	6	9
Waterloo				2	1	3				2	1	3		1	1
Welland					2	2				1		1		1	1
Wellington				3	3	6				1		1	2	3	5
Wentworth				7	2	9				2	2	4	5	2	7
York				62	111	173				52	60	112	31	62	93
Unascertained				16	10	26							11	3	14
Totals.....	10	15	25	329	394	723	10	7	17	229	197	426	163	204	367

TABLE No. 6.—PENETANGUSHENE.

Showing the assigned causes of insanity in the cases admitted during the year.

Causes.	Men.	Women.	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends business troubles, etc.).....							
Mental strain, Worry and Overwork (not included in above)							
Religious Excitement.....	1		1				1
Love affairs, including seduction							
Fright and Nervous Shock.....							
PHYSICAL.							
Alcoholism							
Sexual Excess.....							
Veneral Diseases.....							
Masturbation							
Insolation							
Accident or Injury	1		1				1
Pregnancy							
Parturition and Puerperium							
Lactation							
Climacteric Period							
Fevers							
Privation and Overwork							
Epilepsy							
Other Convulsive Diseases.....							
Diseases of Brain and Skull							
Senility							
Exophthalmic Goitre.....							
Epidemic Influenza.....							
Abuse of Drugs							
Loss of Special Sense							
Uræmia.....							
Other Auto-infection							
Other Bodily Diseases.....							
HEREDITARY.							
Congenital Defect.....	2	9	11				11
Unascertained	6	6	12				12
Not Insane							
Total	10	15	25				25

TABLE No. 7—PENETANGUIHENE.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted During Year.			Since Opening.		
	Male.	Female.	Total	Male.	Female.	Total.
Paternal Branch		3	3	25	37	62
Maternal Branch				17	31	48
Paternal and Maternal Branches.....	1	2	3	7	10	17
Collateral Branches.....	1	4	5	22	29	51
No Hereditary Tendency.....	4	1	5	105	114	219
Unascertained	4	5	9	153	173	326
Totals	10	15	25	329	394	723

TABLE No. 8—PENETANGUIHENE.

Showing summary of probational discharges during the year.

	Male.	Female.	Total.
Number Granted Probational Discharge.....		2	2
Discharged. Recovered while on Probation.....			
Discharged, Improved			
Discharged, Unimproved			
Died			
Returned to Hospital		2	2
Absent on probation on October 31st, 1918			

TABLE No. 9—PENETANGUISHENE.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died During Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever.....				1	1	2
Influenza.....					1	1
Cerebro-spinal Meningitis.....						
Diphtheria.....						
Erysipelas.....				1	4	5
Septicæmia.....	1		1	2	2	4
Dysentery.....					4	4
Syphilis.....						
Tuberculosis.....				18	16	34
Constitutional Diseases:—						
Rheumatism.....						
Arthritis Deformans.....						
Diabetes Mellitus.....				1	2	3
Diseases of the Digestive System:—						
Mouth, Salivary Glands.....						
Pharynx.....						
Tonsils.....					1	1
Œsophagus.....						
Diseases of the Intestines:—						
Diseases of the Liver.....				1	3	4
“ “ Pancreas.....				1		1
“ “ Peritoneum.....					2	2
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx.....						
“ “ Bronchi.....					3	3
“ “ Lungs.....	1	4	5	12	11	23
“ “ Pleura.....				1		1
Diseases of the Circulatory System:						
Diseases of the Pericardium.....						
“ “ Heart.....	2	3	5	19	25	44
Arterio-sclerosis.....	2	1	3	7	2	9
Aneurism.....						
Diseases of the Blood and Ductless Glands:						
Anæmia.....				1	1	2
Pernicious Anæmia.....				1	2	3
Leukæmia.....						
Exophthalmic Goitre.....		2	2	1	3	4
Diseases of the Genito-Urinary System ...	1		1	9	3	12
<i>Carried Forward</i>	7	10	17	76	86	162

TABLE No. 9—PENETANGUIHENE—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died During Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought forward</i>	7	10	17	76	86	162
Diseases of the Nervous System:—						
Diseases of the Nerves					1	1
“ “ Spinal Cord				1		1
“ “ Meninges				1		1
Organic Diseases of the Brain:—						
(Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage and other gross lesions)	4		4	13	13	26
Functional Nervous Diseases					2	2
(Paralysis Agitans, Chorea, Eclampsia, Hysteria)					5	6
Epilepsy				1		
Mental Diseases:—						
Exhaustion of Acute Mental Disease				1	2	3
“ “ Chronic					1	1
General Paresis				5	4	9
Intoxications:—						
Alcoholism						
Morphinism				1		1
Metallic Poisoning						
Heat Stroke						
Debility of Old Age				12	15	27
Accident					1	1
Suicide				1		1
Surgical Diseases					3	3
Gynæcological Diseases						
Malignant New Growths or Cancer		3	3		9	9
Totals	11	13	24	112	142	254

TABLE No. 10—PENETANGUSHENE.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium									
(b) Infection Delirium									
(c) Post Infection Psychoses.....									
Exhaustion Psychoses:—									
(a) Collapsed Delirium.....									
(b) Acute Confusional Psychoses.....									
(c) Neurasthenia									
Intoxication Psychoses:—									
(a) Acute Intoxications									
(b) Chronic									
(a) Alcoholism (acute and chronic)									
(b) Delirium Tremens									
(c) Korsakow's Psychoses.....							1		1
(d) Acute Alcoholic Hallucinosis									
(e) Alcoholic Hallucinatory Dementia.....									
(f) " Paranoia.....								1	1
(g) " Paresis									
(h) Morphinism									
(i) Cocainism.....									
Thyroigenous Psychoses:—									
(a) Mixœdematous Psychoses									
(b) Cretinism									
Dementia Præcox:—									
(a) Hebaphrenic.....									
(b) Catatonic.....	3		3				1		1
(c) Paranoid	3	5	8				2	4	6
General Paresis								1	1
Organic Dementias:—									
(a) Cerebral Sclerosis									
(b) Huntingdon's Chorea									
(c) Multiple Sclerosis									
(d) Cerebral Syphilis									
(e) Tabetic Psychoses									
(f) Arterio Sclerotic Psychoses.....									
(g) Cerebral Tumor, Abscess, Hæmorrhage									
Involution Psychoses:—									
(a) Melancholia								1	1
(b) Pre-Senile Delusional Psychoses									
(c) Senile Dementia								1	1
Manic Depressive Psychoses:—									
(a) Manic States	2	2	4						
(b) Depressed States.....	2	4	6						
(c) Mixed States		1	1						
<i>Carried forward</i>	10	12	22				4	8	12

TABLE No. 10—PENETANGUISHENE.—*Continued.*

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought forward</i>	10	12	22	.....	.....	.....	4	8	12
Paranoia.....				1		1			
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses									
(b) Hysterical Psychoses.....								1	1
(c) Sexualis Psychopathia.....									
States of Deficient Mental Development:—									
(a) Imbecility.....			3			3			
(b) Idiocy.....									
Not Diagnosed.....							7	4	11
Not Insane									
Totals	10	15	25	1	.....	1	11	13	24

TABLE No. 11—PENETANGUISHENE.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1918.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month	1	1				
From 1 to 2 months		11				
" 2 " 3						
" 3 " 4						
" 4 " 5						
" 5 " 6		13				
" 6 " 9	2					
" 9 " 12	7					
" 12 " 18	1	18				
" 18 months to 2 years..	3	13				
" 2 to 3 years	3	20				3
" 3 " 4	1	24				
" 4 " 5	3	17				1
" 5 " 10		75		1		10
" 10 " 15		175				10
" 15 " 20	3					
" 20 years and upwards.	1					
Totals	25	367		1		24

HOSPITAL FOR THE INSANE, TORONTO.

NOVEMBER 1ST, 1918.

W. W. DUNLOP, Esq.,
Inspector of Hospitals,
Parliament Buildings, Toronto.

SIR,—In accordance with your request I have the honour to submit the Seventy-eighth Annual Report of this Hospital for the year ending October 31st, 1918.

—	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital						
In Residence October 31st, 1917.				551	606	1,157
Admitted during year 1918:						
By Warrant	46	12	58			
By Certificate	129	195	324	175	207	382
Total number under treatment during year				726	813	1,539
Discharges during year, minus deports:—						
As recovered	34	57	91			
" improved	47	51	98			
" unimproved	8	3	11			
" not insane						
Total number discharged during year ...	89	111	200			
Died	67	55	122			
Deported	1		1			
Eloped	6	3	9			
Transferred	2	2	4	165	71	336
Remaining in Hospital Oct. 31st, 1918.				561	642	1,203

The above Statistical Table showing the Admissions, Discharges and Deaths in this Hospital during the last year represents a huge volume of work. That this could be carried on so satisfactorily and efficiently with the reduced number on our Medical, Nursing and Attendant's staffs is creditable. This shortage of staff was a condition brought about by the War, and was unavoidable.

CONVALESCENT HOSPITAL.

In order to relieve the over-crowding of the Womens' Department it was decided to utilize the Industrial Building for the reception of patients, and to make some additions to Cottage B. These were both two storey buildings, and certain extensive alterations were required to obtain this end. In the Industrial Building a sun-room was built against the southern wall for a general sitting room. Hard wood floors were laid, and walls plastered. An enclosed stairway was erected at each end of the cottage for exits, and an addition built against the northern wall for a kitchenette, lavatories, and bathroom. This made a dining room and two

dormitories on the ground floor for fifteen beds, and two dormitories on the first floor for thirty and fifteen beds. These wards were open and airy with cross ventilation and lighting. The heating was by steam from the central boilers. All windows had fly-screens with a heavier meshed screen for protection. It gave us accommodation for seventy-five patients. Four sun-rooms were added to Cottage B. for thirty-four patients. This relieved the situation very nicely, and the new buildings proved quite suitable.

About an acre of land was fenced off around the Convalescent Hospital providing a nice lawn, and a garden plot for these female patients. The patients planted and cultivated the garden, and gathered the vegetables. They also kept their lawn nicely mown. It was quite a novelty for these women, and one which they enjoyed, and were the better for having. These buildings were open for the reception of patients on the 11th of June.

INFLUENZA EPIDEMIC.

About the first week in October the Spanish Influenza made its appearance in this Hospital. The Nursing staff suffered from it first, and about a week later the patients were attacked at the rate of twenty and thirty a day. This lasted a couple of weeks. As far as possible the sun-rooms were utilized in each ward for the accommodation of these patients. These were well heated: had full exposure to sunlight, and free ventilation. Although we had about three hundred patients ill, in most cases the illness was slight, and after a few days in bed were better. In all, there were thirteen deaths from Influenza and Pneumonia. As soon as the Provincial Influenza Vaccine was available from the Connaught Laboratories a supply was kindly furnished, and all patients between twenty and forty years of age were vaccinated. By the end of the month we were quite free from the epidemic, and our Hospital wards were opened again to the visiting friends.

TRAINING SCHOOL FOR NURSES.

The teaching has been carried on in this Department by the Medical Staff, and Miss E. V. West, during the past year, and very creditable progress was made. Not only have our graduates established a name for themselves at home, but also abroad, and in the Military Service. Two of them engaged in the war, Miss Meta Parker, and Miss Ann I. George were mentioned to the Secretary of War "for valuable services rendered." During the prevailing epidemic of Influenza, when nurses were so greatly needed throughout the Province, appeals were made to us from different quarters, we were able to spare from two to five nurses at different times so as to help relieve a situation of great urgency in different parts of the Province.

I cannot close my report without tendering my hearty thanks to the Medical Officers, Nurses, Attendants and other employees, for their splendid support during the past year.

I have the honour to remain,

Your obedient servant,

J. M. FORSTER,

Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR INSANE, TORONTO, FOR THE YEAR
ENDING OCTOBER 31ST, 1918.

TABLE No. 1—TORONTO.

Showing movements of patients in the Hospital for the official year ending October 31st, 1918.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	426	426	852			
In Residence October 31st, 1917				551	606	1,157
Admitted during year 1918:—						
By Warrant	46	12	58			
By Medical Certificate	129	195	324	175	207	382
Total number under treatment during year				726	815	1,539
Discharges during year, not including deports:—						
As recovered	34	57	91			
" improved	47	51	98			
" unimproved	8	3	11			
" not insane						
Total number discharged during year....	89	111	200			
Died	67	55	122			
Deported	1		1			
Eloped	6	3	9			
Transferred	2	2	4	165	71	236
Remaining in Hospital October 31st, 1918				561	642	1,203
Total number admitted since opening of Hospital				7,075	6,744	13,819
Total number discharged since opening of Hospital	3,435	3,629	7,064			
Total number died since opening of Hospital	1,962	1,555	3,517			
Total number deported since opening of Hospital	114	49	163			
Total number eloped since opening of Hospital	170	32	202			
Total number transferred since opening of Hospital	833	837	1,670	6,514	6,102	12,616
Total remaining in Hospital October 31st, 1918				561	642	1,203
Daily average population	552	593	1,145			
Collective days' stay of all patients in residence during year	201,480	216,445	417,925			
Number of applications on file	6	4	10			

TABLE No. 2—TORONTO.

Showing Social State and Religion of Patients admitted during the year and since the opening of Hospital.

	In residence.			Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single.....	379	314	693	91	76	167	3,806	2,654	6,460
Married.....	150	243	393	73	96	169	3,142	3,838	6,980
Widowed.....	14	84	98	11	35	46	98	241	339
Divorced.....							1	1	2
Separated.....									
Unascertained.....	18	1	19				28	10	33
Totals.....	561	642	1,203	175	207	382	7,075	6,744	13,819
RELIGION.									
Baptists.....	14	24	38	9	11	20	198	219	417
Congregationalists.....	4	9	13				65	87	152
Church of England.....	134	180	314	32	63	95	1,994	1,866	3,860
Methodists.....	93	126	219	25	40	65	1,282	1,335	2,617
Presbyterians.....	86	125	211	26	40	66	1,413	1,406	2,819
Roman Catholics.....	111	96	207	36	27	63	1,275	1,162	2,437
Other Denominations.....	75	58	133	24	23	47	563	509	1,072
Unascertained.....	44	24	68	23	3	26	285	160	445
Totals.....	561	642	1,203	175	207	382	7,075	6,744	13,819

TABLE No. 3—TORONTO.

Showing Nativity of Patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions.....	175	207	382	7,075	6,744	13,819
Total born in Canada	79	116	195	3,111	3,143	6,254
Armenia.....				1		1
Assyria.....				2		2
Austria.....	7	1	8	31	7	38
Australia.....				2		2
Belgium.....						
Bulgaria.....				8		8
Central America						
China.....	3		3	7		7
Denmark.....				2		2
England.....	31	47	78	1,402	1,213	2,615
France.....		1	1	3	3	6
Finland.....				8	6	14
Galicia.....						
Germany.....		1	1	12	10	22
Greece.....	2		2	5		5
Holland.....				2	3	5
Hungary.....						
Ireland.....	6	8	14	1,216	1,253	2,469
Italy.....	5		5	31	4	35
Japan.....						
Macedonia.....	1		1	10		10
Other British Possessions	1		1	8	9	17
Norway.....				1	2	3
Roumania.....		1	1	2	6	8
Russia.....	13	9	22	75	56	131
Scotland.....	6	13	19	633	572	1,205
South America.....				1		1
Spain.....				1		1
Sweden.....				1	3	4
Turkey.....				6	1	7
United States.....	6	4	10	232	250	482
West Indies.....		2	2	4	7	11
Unascertained.....	15	4	19	258	196	454
Totals.....	175	207	382	7,075	6,744	13,819

TABLE No. 4—TORONTO.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	9	.....	9	280	16	296
Commercial:— Bankers Merchants, Accountants, Clerks Salesmen, Stenographers, Typewriters, etc.	12	10	22	837	125	962
Agricultural and Pastoral:— Farmers, Gardeners Stock Men, etc. .	9	.....	9	1,480	.....	1,480
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	22	.....	22	745	2	747
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Composi- tors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	10	25	35	598	361	959
Domestic Service:— Waiters, Cooks, Servants, etc. ....	.....	30	30	85	1,494	1,579
Education and Higher Domestic Duties:— Governesses, Teachers, Students, Housekeepers, Nurses etc.	1	101	102	245	3,548	3,793
Miners, Marine Engineers, Railway Em- ployees, Seamen, etc.	16	.....	16	216	2	218
Laborers	73	.....	73	1,893	.....	1,893
No Occupation	4	31	35	288	781	1,069
Unascertained.....	19	10	29	408	415	823
Totals.....	175	207	582	7,075	6,744	13,819

TABLE No. 5—TORONTO.

Showing the Counties and Districts from which Patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant Cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District...	1		1	15	18	33	1		1	7	1	8	2	3	5
Brant				49	60	109				2	3	5	1	1	1
Bruce				26	15	41				5		5	1	2	3
Carleton				81	66	147				12	2	14	1		1
Dufferin				8	10	18				3	1	4	1	1	2
Dundas				17	16	33				3	1	4			
Durham	1		1	178	164	342				34	17	51	6	5	11
Elgin				33	25	58				1		1	1	1	2
Essex				18	16	34				2	3	5	1		1
Frontenac				105	75	180				23	13	36		1	1
Glengarry				31	21	52				5	2	7	1		1
Grenville				19	17	36				5	1	6	1		1
Grey				120	96	216				58	17	75	1		1
Haldimand				26	26	52				5	1	6			
Halton				83	66	149				6	2	8		2	2
Hastings				116	89	205				53	27	80	2		2
Huron				67	60	127				4	1	5	3	3	6
Kent				26	23	49				6	2	8			
Lambton				30	24	54				3	2	5			
Lanark				51	43	94				10	6	16			
Leeds				41	36	77				6	4	10	1		1
Lennox and Ad- dington				27	21	48				12	1	13	2		2
Lincoln				101	85	186				14	10	24		1	1
Middlesex	1		1	84	79	163				1		1	2		2
Muskoka District..				21	20	41				3	2	5		2	2
Nipissing District.	1		1	7	7	14				1	2	3	1		1
Norfolk				19	21	40									
Northumberland ..				150	142	292				30	11	41	2	5	7
Ontario	1	1	2	205	184	389	1		1	68	28	76	9	7	16
Oxford				40	40	80				4	5	9	3		3
Parry Sound Dis- trict				1	4	5							1	3	4
Peel				131	130	261				37	10	47	1	5	6
Perth				50	50	100				7		7			
Peterborough	1	1	1	105	100	205				44	15	59	3	2	5
Prescott				21	22	43				3	1	4			
Prince Edward....				26	30	56				3	2	3		1	1
Rainy River Dis- trict				5	4	9				4	2	6			
Renfrew				4	11	15							1		1
Russell				12	10	22				2	1	3			
Simcoe				80	70	150				27	12	39	6	6	12
Stormont				50	35	85				6	3	9		1	1
Thunder Bay Dis- trict	1	1	1	2	4	6	1	1		1	1	2	1	3	3
Victoria				144	146	290				53	26	79	4	2	6
Waterloo				56	55	111				10	4	14	4	3	7
Welland				52	51	103				7	4	11	2		2
Wellington				152	152	304				14	4	18	2	3	5
Wentworth				237	211	448				39	9	48	3	2	5
York	171	203	374	4,000	4,047	8,047	32	10	42	1,371	705	2,076	489	577	1066
Unascertained				63	45	108				87	14	101	2	1	3
Manitoba				1	1	2							1	1	1
Totals.....	175	207	382	7,075	6,744	13,819	34	11	45	2,092	978	3,070	561	642	1203

TABLE No. 6—TORONTO.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women.	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.).....							
Mental Strain, Worry and Overwork (not included in above)							
Religious Excitement							
Love affairs, including seduction							
Fright and Nervous Shock							
PHYSICAL.							
Alcoholism	18	2	20				
Sexual Excess.....							
Venereal Diseases	20	5	25				
Masturbation							
Insolation							
Accident or Injury							
Pregnancy.....							
Parturition and Puerperium							
Lactation.....							
Climacteric Period							
Fevers							
Privation and Overwork.....							
Epilepsy	7	2	9				
Other Convulsive Diseases.....							
Diseases of Brain and Skull							
Senility	16	37	53				
Exophthalmic Goitre.....							
Epidemic Influenza.....							
Abuse of Drugs	3		3				
Loss of Special Sense							
Uræmia							
Other Auto-infection							
Other Bodily Diseases							
HEREDITARY.							
Congenital Defect	1	12	13	1	12	13	
Unascertained	110	149	259	174	195	369	
Not Insane							
Totals.....	175	207	382	175	207	382	

TABLE No. 7—TORONTO.

Showing hereditary tendency to insanity in patients admitted during the year.

	Admitted during year.		
	Male.	Female.	Total.
Paternal Branch	1	5	6
Maternal Branch		3	3
Paternal and Maternal Branches			
Collateral Branches		4	4
No Hereditary Tendency			
Unascertained	174	195	369
Totals	175	207	382

TABLE No. 8—TORONTO.

Showing summary of Probational discharges during the year.

	Male.	Female.	Total.
Number granted probational discharge	83	145	228
Discharged, recovered while on probation	20	37	57
" improved " "	24	35	59
" unimproved " "	2	2	4
Died while on probation			
Returned to Hospital while on probation	24	49	73
Absent on probation on Oct. 31st, 1918	13	22	35

TABLE No. 9—TORONTO.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever				1	2	3
Influenza	1		1	3	4	7
Cerebro-spinal Meningitis						
Diphtheria					1	1
Erysipelas				2	4	6
Septicæmia	1	1	2	9	15	24
Dysentery	1		1	7	4	11
Syphilis				2	1	3
Tuberculosis	12	6	18	73	91	164
Constitutional Diseases:—						
Rheumatism		1	1		1	1
Arthritis Deformans						
Diabetes Mellitus				1	2	3
Diseases of the Digestive System:—						
Mouth, salivary glands						
Pharynx						
Tonsils						
Œsophagus				2	1	3
Diseases of the Intestines:—						
Diseases of the Liver				10	12	22
“ Pancreas				3	2	5
“ Peritoneum				5	8	13
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx						
“ Bronchi				3	5	8
“ Lungs	4	5	9	36	42	78
“ Pleura		2	2	11	12	23
Diseases of the Circulatory System:—						
Diseases of the Pericardium				1	2	3
“ Heart	3	3	6	64	62	126
Arterio-sclerosis	4	2	6	27	11	38
Aneurism				1		1
Diseases of the Blood and Ductless Glands:						
Anæmia				3	2	5
Pernicious Anæmia				3	1	4
Leukæmia				1		1
Exophthalmic Goitre		1	1		2	2
Diseases of the Genito-Urinary System...						
		1	1	21	15	36
<i>Carried forward</i>	26	22	48	289	302	591

TABLE No. 9—TORONTO—Continued.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought forward</i>	26	22	48	289	302	591
Diseases of the Nervous System :—						
Diseases of the Nerves.....				2	1	3
Spinal Cord				2	1	3
Meninges				1		1
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Throm- bosis, Hæmorrhage and other gross lesions).....	2	1	3	25	17	42
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eelamp- sia, Hysteria).....	2		2	4		4
Epilepsy		1	1	34	33	67
Mental Disease :—						
Exhaustion of Acute Mental Disease..	3	5	8	29	50	79
" Chronic "	1		1	9	6	15
General Paresis	19	1	20	265	31	296
Pellegra					4	4
Intoxications :—						
Alcoholism	1		1	4		4
Morphinism						
Metallic Poisoning				2		2
Heat Stroke.....						
Debility of Old Age.....	10	23	33	116	130	246
Accident				1	3	4
Suicide	2	1	3	11	6	17
Surgical Diseases				1		1
Gynæcological Diseases.....						
Malignant New Growths, or Cancer.....	1	1	2	8	13	21
Totals.....	67	55	122	803	597	1,400
Unascertained.....				1,159	958	2,117
				1,962	1,555	3,517

TABLE No. 10—TORONTO.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses :—									
(a) Fever Delirium.....									
(b) Infection Delirium	1	6	7		1	1		2	2
(c) Post Infection Psychoses				3	1	4	1		1
Exhaustion Psychoses :—									
(a) Collapsed Delirium	1	3	4		2	2	1	3	4
(b) Acute Confusional Psychoses.....		1	1						
(c) Neurasthenia.....					1	1			
Intoxication Psychoses :—									
(a) Acute Intoxications									
(b) Chronic									
(a) Alcoholism (acute and chronic).....	18	2	20	10		10	1		1
(b) Delirium Tremens.....									
(c) Korsakow's Psychoses							1		1
(d) Acute Alcoholic Hallucinosiis.....									
(e) Alcoholic Hallucinatory Dementia.....									
(f) " Paranoia.....									
(g) " Paresis									
(h) Morphinism	3		3	1		1			
(i) Cocainism									
Thyrogenous Psychoses :—									
(a) Mixedematous Psychoses									
(b) Cretinism									
Dementia Præcox :—									
(a) Hebaphrenic	23	27	50	9	10	19	7	4	11
(b) Catatonic.....	40	47	87	17	22	39	11	9	20
(c) Paranoid.....	6	17	23	5	6	11	3		3
General Paresis :.....	20	5	25	3	2	5	19	2	21
Organic Dementias :—									
(a) Cerebral Sclerosis.....									
(b) Huntington's Chorea.....									
(c) Multiple Sclerosis.....									
(d) Cerebral Syphilis	1		1						
(e) Tabetic Psychoses									
(f) Arterio Sclerotic Psychoses.....	1		1		1	1	1	1	2
(g) Cerebral Tumor, Abscess, Hæmorrhage....	1		1	1		1	1		1
Involution Psychoses :—									
(a) Melancholia	5	21	26	2	6	8	4	5	9
(b) Pre-senile Delusional Psychoses.....	2		2		1	1			
(c) Senile Dementia.....	16	37	53	9	4	13	11	24	35
Manic Depressive Psychoses :—									
(a) Manic States.....	11	24	35	16	35	51	2	4	6
(b) Depressed States	9	9	18	4	12	16	2		2
(c) Mixed States									
Paranoia.....									
<i>Carried forward</i>	158	119	357	80	104	184	65	54	119

TABLE No. 10—TORONTO—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Diseases.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought forward</i>	158	119	357	80	104	184	65	54	119
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	7	2	9	6	3	9	1	1	2
(b) Hysterical Psychoses					2	2			
(c) Sexualis Psychopathia									
States of Deficient Mental Development:—									
(a) Imbecility	10	6	16	4	2	6	1		1
(b) Idiocy									
Not Diagnosed									
Not Insane									
Total	175	207	382	*90	111	201	67	55	122

* includes 1 Deported.

TABLE No. 11—TORONTO.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1918.	Periods of treatment of those who were discharged/recovered during the year.	Periods of treatment of those who were discharged/improved during the year.	Periods of treatment of those who were discharged/unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month.....	16	28	7	10	6	24
From 1 to 2 months	30	24	5	4		9
“ 2 “ 3 “	25	23	5	12	1	5
“ 3 “ 4 “	16	22	5	7	3	6
“ 4 “ 5 “	50	26	5	5		8
“ 5 “ 6 “	26	12	6	4		1
“ 6 “ 9 “	53	42	36	20		8
“ 9 “ 12 “	29	24	8	9		3
“ 12 “ 18 “	25	70	7	11	1	13
“ 18 months to 2 years.	19	74	2	10		4
“ 2 to 3 years.....	45	80	2	7		7
“ 3 “ 4 “	11	85	1	12		12
“ 4 “ 5 “	13	82		2		3
“ 5 “ 10 “	15	266	2	3		8
“ 10 “ 15 “	9	117		2		10
“ 15 “ 20 “		97				2
“ 20 years and upwards		131				9
Totals.....	382	1,203	91	99	11	122

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
 HOMEWOOD SANITARIUM, GUELPH, FOR THE YEAR
 ENDING OCTOBER 31st, 1918.

INSANE BRANCH.

TABLE No. 1.

Showing movements of patients in the Hospital for the official year ending October 31st, 1918.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital for both Branches..	75	75	150			
In Residence October 31st, 1917				27	47	74
Admitted during year 1918:						
By Warrant						
By Medical Certificate.....	45	51	96	45	51	96
Total number under treatment during year..				72	98	170
Discharges during year:						
As recovered.....	7	11	18			
" improved	26	9	35			
" unimproved.....	4	9	13			
" not insane						
Total number discharged during year..	37	29	66			
Died.....	4	11	15			
Deported						
Eloped	1		1			
Transferred	11	4	15	53	44	97
Remaining in Hospital October 31st, 1918				19	54	73
Total number admitted since opening of Hospital.....				664	669	1,333
Total number discharged since opening of Hospital.....	468	480	948			
Total number died since opening of Hospital.....	90	60	150			
Total number deported since opening of Hospital.....						
Total number eloped since opening of Hospital.....	10	2	12			
Total number transferred since opening of Hospital.....	77	73	150	645	615	1,260
Total remaining in Hospital October 31st, 1918.....				19	54	73
Daily average population						
Collective days' stay of all patients in residence during year						
Number of applications on file						

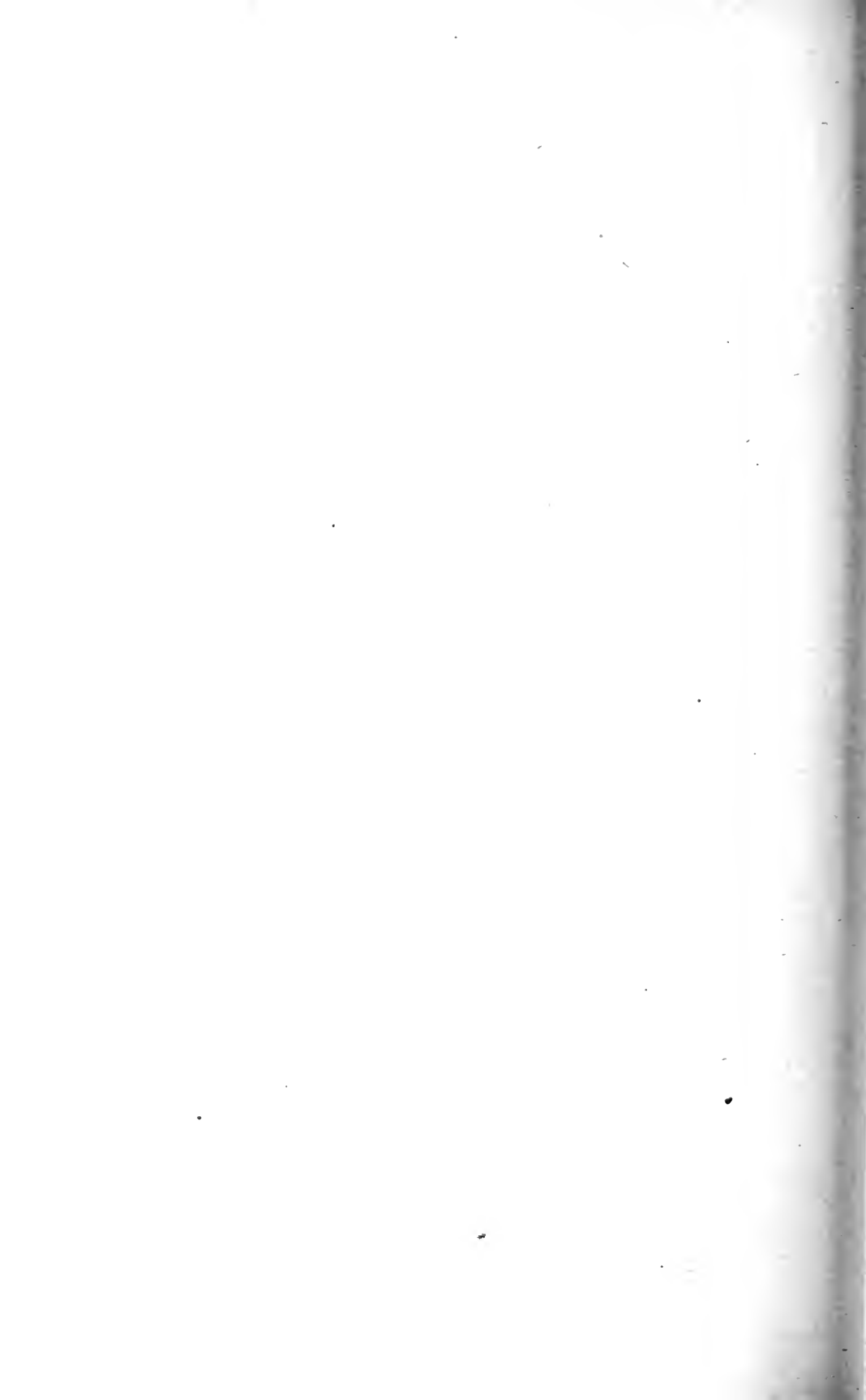
ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOMÉWOOD SANITARIUM, GUELPH, FOR THE YEAR
ENDING OCTOBER 31st, 1918.

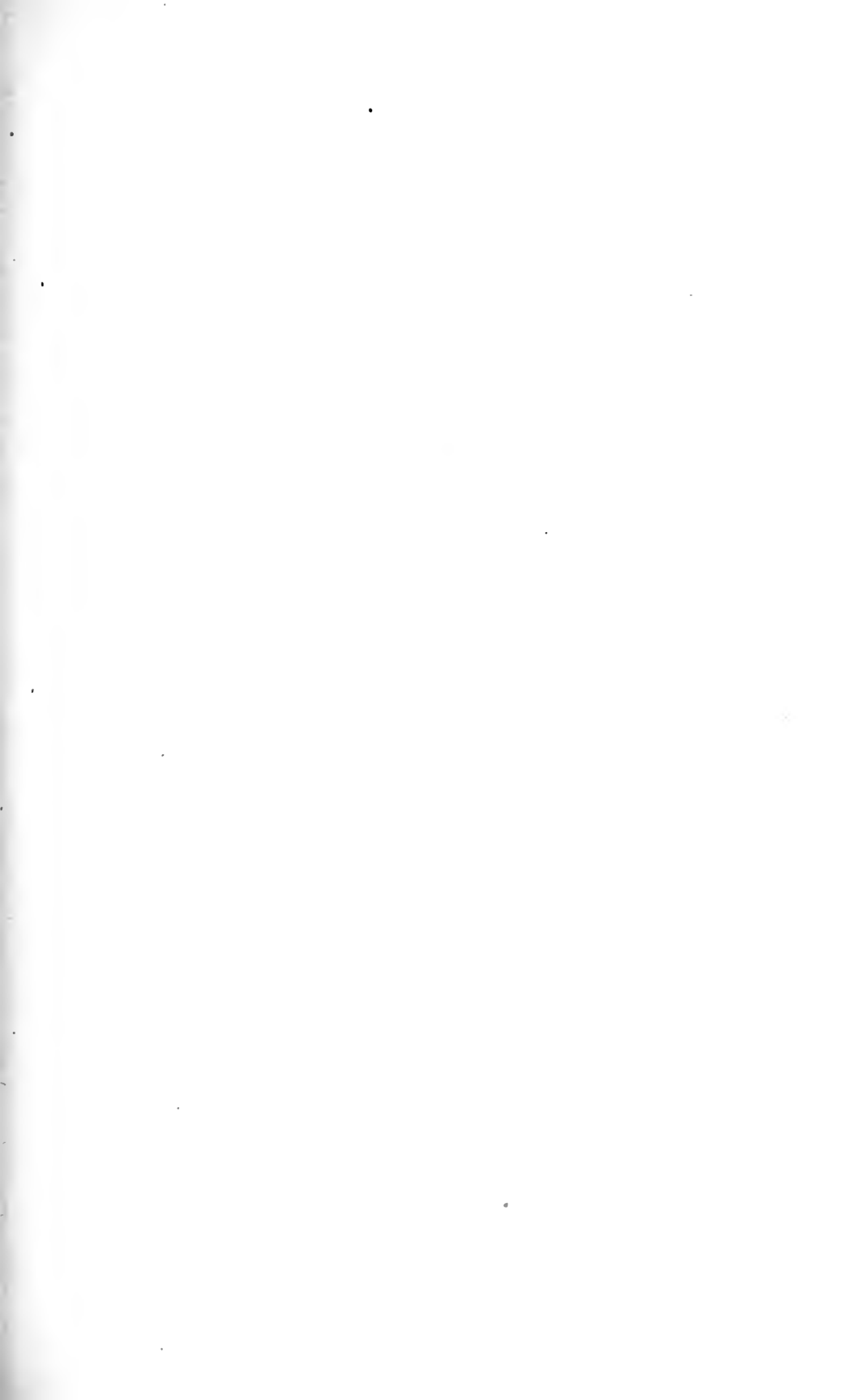
VOLUNTARY BRANCH.

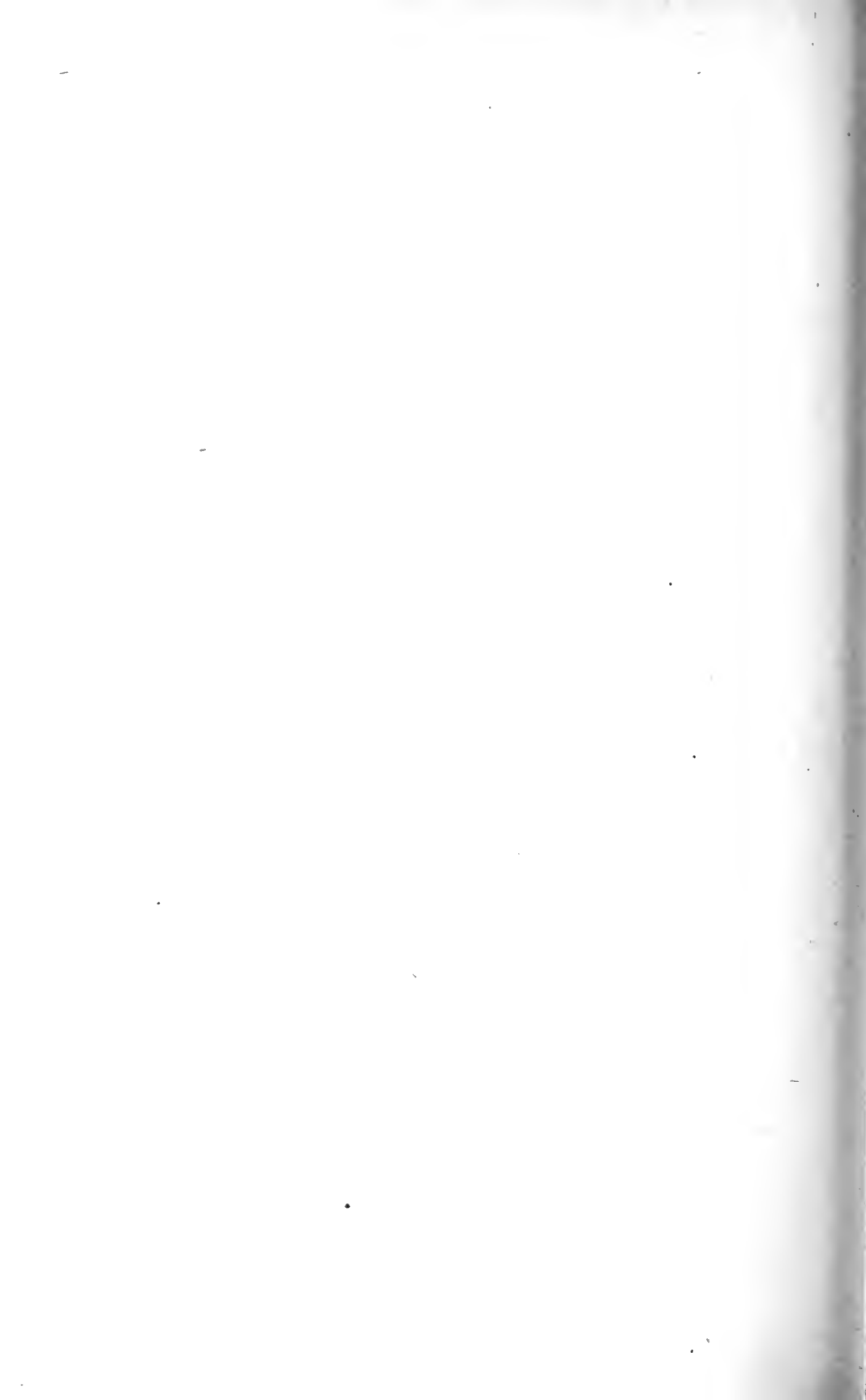
TABLE No. 1.

Showing movements of patients in the Hospital for the official year ending October 31st, 1918.

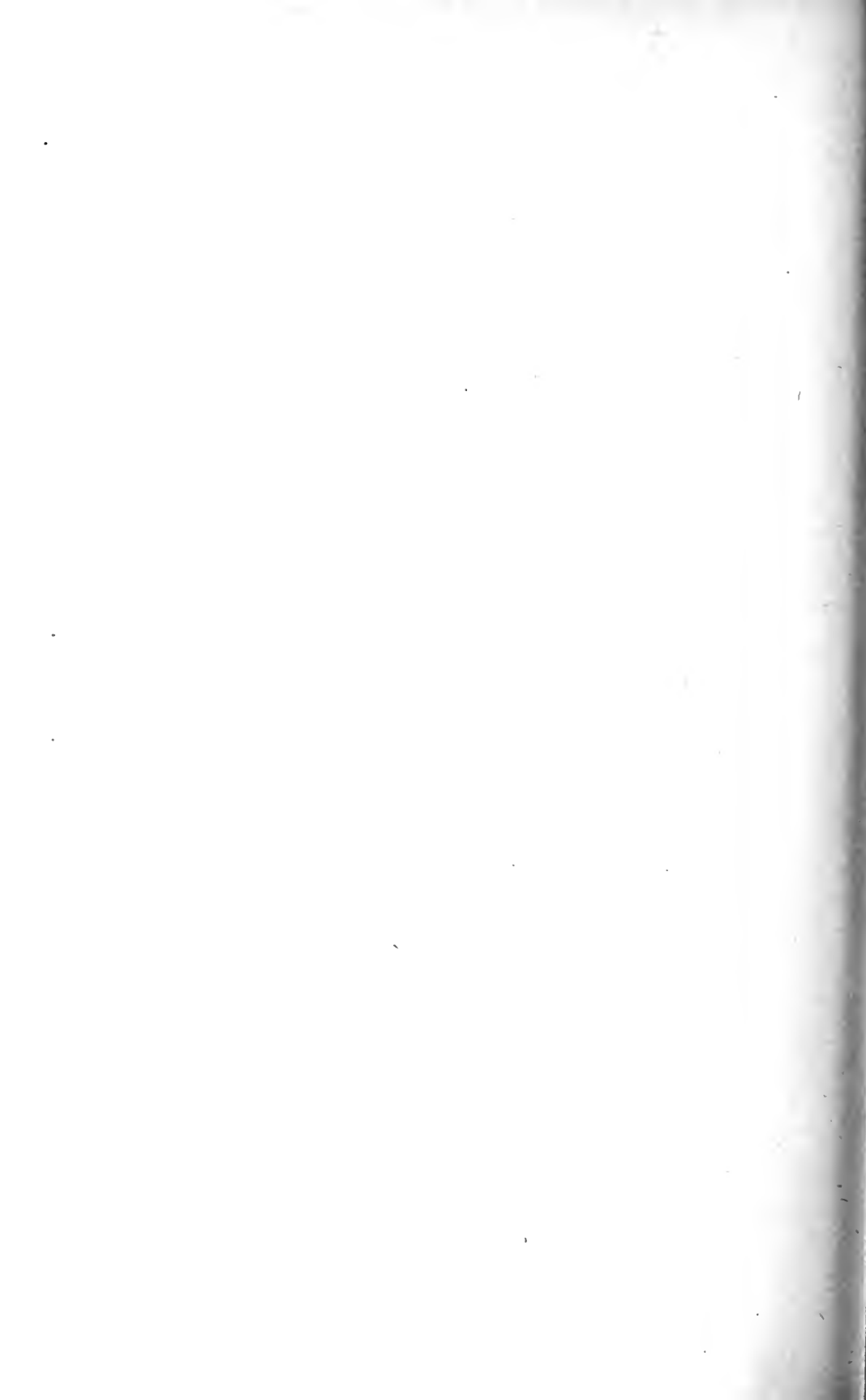
—	Male.	Female.	Total.	Male.	Female	Total.
Capacity of Hospital for both Branches..	75	75	150			
In Residence October 31st, 1917.....				27	38	65
Admitted during year 1918:						
By Warrant.....	1	.....	1	.....	.....	.....
By Medical Certificate.....	86	81	167	87	81	168
Total number under treatment during year				114	119	233
Discharges during year:						
As recovered	29	17	46			
" improved	34	29	63			
" unimproved	9	21	30			
" not insane.....						
Total number discharged during year....	72	67	139			
Died.....	2	7	9			
Deported						
Eloped	3	.....	3			
Transferred	3	8	11	80	82	162
Remaining in Hospital October 31st, 1918.....				34	37	71
Total number admitted since opening of Hospital.....				1,795	784	2,579
Total number discharged since opening of Hospital.....	1,644	686	2,330			
Total number died since opening of Hospital	51	28	79			
Total number deported since opening of Hospital.....						
Total number eloped since opening of Hospital.....	39	3	42			
Total number transferred since opening of Hospital	27	30	57	1,761	747	2,508
Total remaining in Hospital October 31st, 1918.....				34	37	71
Daily average population						
Collective days' stay of all patients in residence during year						
Number of applications on file						











PART II

OF THE

FIFTY-FIRST ANNUAL REPORT

OF THE

Inspectors of Prisons and Public Charities of the Province
of Ontario

CONTAINING REPORT ON THE

Hospital for Feeble-Minded, Orillia

AND THE

Hospital for Epileptics, Woodstock

BEING FOR THE YEAR ENDING 31st OCTOBER

1918

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



TORONTO:

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1919

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THE RYERSON PRESS

PARLIAMENT BUILDINGS.

TORONTO, January 15th, 1919.

To His Honour SIR JOHN STRATHEARN HENDRIE, C.V.O.,

Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

I beg to submit herewith the Fifty-first Annual Report upon the Hospitals for the Feeble-Minded and Epileptic of Ontario, being for the official year ending 31st October, 1918.

I have the honour to be,

Your Honour's most obedient servant,

WM. DAVID McPHERSON,

Provincial Secretary.

OFFICE OF THE
INSPECTOR OF PRISONS AND PUBLIC CHARITIES, ONTARIO,
PARLIAMENT BUILDINGS, TORONTO, January 15th, 1919.

SIR.—I have the honour to transmit herewith, to be presented to His Honour the Lieutenant-Governor, the Fifty-first Annual Report upon the Hospitals for the Feeble-Minded and Epileptics of Ontario, being for the official year ending 31st October, 1918.

I have the honour to be, Sir,

Your obedient servant,

W. W. DUNLOP,

Inspector.

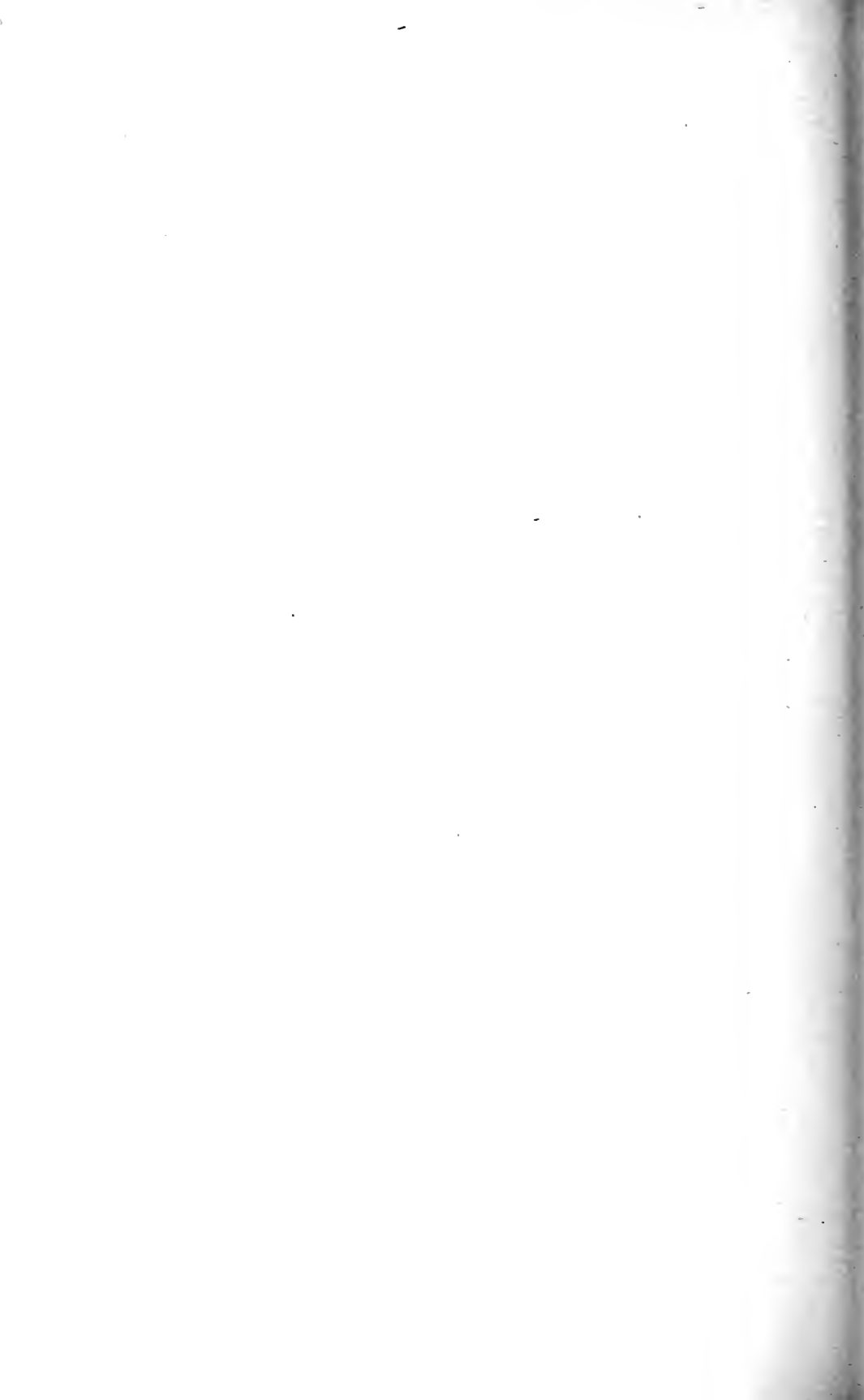
THE HONOURABLE WILLIAM DAVID MCPHERSON, K.C., M.P.P.,
Provincial Secretary of the Province of Ontario,
Toronto.

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HOSPITALS FOR FEEBLE-MINDED AND EPILEPTICS

On the 31st October, 1918, there were in the Hospitals for Feeble-Minded and Epileptics 1,192 patients divided as follows:

Orillia.			Woodstock.		
Male.	Female.	Total.	Male.	Female.	Total.
453	537	987	96	109	205

REVENUE.

	1917	1918
	\$ c.	\$ c.
From paying patients.....	32,360 97	37,574 14
“ Farm and Miscellaneous	6,660 76	9,028 52
	39,021 23	46,602 66

Showing an increase over 1917 of \$7,581.43

IMPROVEMENTS.

During the year improvements were made:

Orillia: The Kitchen Block, Bakery, Butcher Shop, etc., have been greatly improved.

Woodstock: A new silo was completed, the north farm tiled, poultry building built, fire escapes erected on each of the farm cottages.

W. W. DUNLOP.

Inspector.

TABLE No. 1.

Showing movements of patients in the Hospital for the year ending October 31st, 1918.

	Orillia Hospital.			Woodstock Hospital.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital.....	550	550	1,100	104	104	208	654	654	1,308
In Residence, Oct.31st,1917	443	549	992	101	110	211	544	659	1,203
Admitted during year 1918:									
By Warrant.....	4		4				4		4
By Medical Certificate ..	94	42	136	23	14	37	117	56	173
By transfers.....									
Total number under treatment during year.....	541	591	1,132	124	124	248	665	715	1,380
Discharges during year:									
As recovered.....									
As improved.....	9	3	12	5	2	7	14	5	19
As unimproved.....	4	3	7	5	2	7	9	5	14
As not insane.....									
Total number discharged during year.....	13	6	19	10	4	14	23	10	33
Died.....	72	47	119	18	11	29	90	58	148
Deported.....									
Eloped.....	5		5				5		5
Transferred.....	1	1	2				1	1	2
Total number admitted since opening of Hospital	1,523	1,417	2,940	319	257	576	1,842	1,674	3,516
Total number discharged since opening of Hospital	160	103	263	124	81	205	284	184	468
Total number died since opening of Hospital....	845	745	1,590	95	64	159	940	809	1,749
Total number deported since opening of Hospital	2	1	3				2	1	3
Total number eloped since opening of Hospital.....	17		17				17		17
Total number transferred since opening of Hospital	49	31	80	4	3	7	53	34	87
Total remaining in Hospital, October 31st, 1918	450	537	987	96	109	205	546	646	1,192
Number of applications on file.....			752						752
Daily average population..	453	546	999	100	108	208	553	654	1,207
Collective days' stay of all patients in residence during year.....	165,552	199,584	365,136	36,477	39,386	75,863	202,029	238,934	440,999

TABLE No. 2.

Showing social state and religion of patients admitted during the year and since opening of Hospitals.

	Admissions of Year.	In Residence.	Admissions since opening.
SOCIAL STATE.			
Single	172	1,096	3,316
Married	5	82	183
Widowed		14	15
Divorced			
Separated			
Unascertained			2
Totals	177	1,192	3,516
RELIGION.			
Baptists	9	57	160
Congregationalists		2	8
Church of England	52	260	742
Methodists	36	254	892
Presbyterians	36	241	656
Roman Catholics	16	165	531
Other Denominations	16	102	229
Unascertained	12	111	298
Totals	177	1,192	3,516

TABLE No. 3.

Showing Nativity of Patients admitted during the year and since opening of Hospitals.

Nativity.	Admissions of Year.			Admissions since Opening.		
	Orillia Hospital.	Woodstock Hospital.	Total.	Orillia Hospital.	Woodstock Hospital.	Total.
Total Admissions	140	37	177	2,940	576	3,516
Total born in Canada	118	21	139	2,414	457	2,871
Armenia						
Assyria						
Austria				5		5
Australia						
Belgium						
Bulgaria						
Central America						
China						
Denmark						
England	11	14	25	188	76	264
France				5		5
Finland						
Galicia						
Germany				21	3	24
Greece						
Holland						
Hungary						
Ireland				102	13	115
Italy						
Japan						
Macedonia						
Other British Possessions				6		6
Norway						
Roumania						
Russia	3	1	4	11	4	15
Scotland	1	1	2	65	12	77
South America						
Spain						
Sweden				5		5
Turkey						
United States	4		4	48	10	58
West Indies						
Unascertained	3		3	70		70
Totals	140	37	177	2,940	576	3,516

TABLE No. 4.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Orillia Hospital.	Woodstock Hospital.	Total.	Orillia Hospital.	Woodstock Hospital.	Total.
Professional :—						
Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.....				1	5	6
Commercial :—						
Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.....		5	5	3	32	35
Agricultural and Pastoral :						
Farmers, Gardeners, Stock Men, etc.		1	1	6	51	57
Mechanics at Outdoor Vocations :—						
Railway and Stationery Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.....		2	2	2	19	21
Mechanics, etc., at Sedentary Vocations:—						
Shoemakers, Bookbinders, Composi- tors, Weavers, Tailors, Seam- stresses, Bakers, Factory Workers, etc				17	36	53
Domestic Service :—						
Waiters, Cooks, Servants, etc.....	2	2	4	56	41	97
Education and Higher Domestic Duties :—						
Governesses, Teachers, Students, Housekeepers, Nurses, etc.....		8	8	63	85	148
Miners, Marine Engineers, Railway Em- ployees, Seamen, etc.....				1	1	2
Laborers.....		3	3	22	81	103
No Occupation	138	14	152	2,769	215	2,984
Unascertained.....		2	2	.....	10	10
Totals.....	140	37	177	2,940	576	3,516

TABLE No. 5.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospitals.

Counties and Districts.	Admitted during year.				Admitted since opening.				Warrant cases.				Remaining in residence.			
	Admitted during year.		Admitted since opening.		Admitted during year.		Admitted since opening.		Admitted during year.		Admitted since opening.		Remaining in residence.			
	Orillia Hospital.	Woodstock Hospital.	Orillia Hospital.	Woodstock Hospital.	Orillia Hospital.	Woodstock Hospital.	Orillia Hospital.	Woodstock Hospital.	Orillia Hospital.	Woodstock Hospital.	Orillia Hospital.	Woodstock Hospital.	Orillia Hospital.	Woodstock Hospital.		
	Total.		Total.		Total.		Total.		Total.		Total.		Total.			
Algoma District...	1	1	31	4	35	1	1	5	2	7	7	1	8			
Brant	4	4	8	45	119	64	1	1	1	12	9	21	21			
Bruce	2	2	70	9	79	9	9	9	9	12	4	16	16			
Carleton.....	7	7	101	14	115	11	11	11	11	37	4	41	41			
Dufferin.....	2	2	18	11	29	2	2	2	2	3	5	8	8			
Dundas.....	1	1	18	1	19	4	4	4	4	5	5	5	5			
Durham.....	3	3	46	3	49	15	15	15	15	15	15	15	15			
Elgin.....	1	2	34	13	47	4	1	5	9	6	15	15	15			
Essex.....	1	1	2	57	7	64	5	5	12	2	14	14	14			
Frontenac.....	3	3	98	4	102	29	29	29	29	26	2	26	26			
Glengarry.....	1	1	17	1	17	1	1	5	5	6	6	6	6			
Grenville.....	1	1	25	2	27	1	1	1	1	3	3	3	3			
Grey.....	1	1	100	10	110	18	18	18	18	20	5	25	25			
Haldimand.....	1	1	29	1	30	1	1	5	1	6	3	3	3			
Haliburton.....	2	2	4	4	4	1	1	1	1	4	4	4	4			
Halton.....	1	1	27	6	33	3	1	4	4	2	3	5	5			
Hastings.....	3	3	73	9	82	12	12	12	12	23	2	30	30			
Huron.....	1	1	2	64	11	75	9	9	10	5	15	15	15			
Kent.....	2	1	3	58	8	64	5	5	13	6	19	19	19			
Lambton.....	1	1	2	55	22	77	8	1	9	17	4	21	21			
Lanark.....	1	1	1	19	3	22	5	5	5	2	7	7	7			
Leeds.....	1	1	31	3	34	9	9	9	9	8	2	10	10			
Lennox and Ad- dington.....			40	1	41	9	9	11	11	11	11	11	11			
Lincoln.....	1	2	3	25	19	35	4	1	5	11	5	16	16			
Middlesex.....	2	2	4	104	40	144	7	1	8	31	12	45	45			
Muskoka District..	1	1	42	1	43	3	3	3	3	14	1	15	15			
Nipissing District.	3	3	31	5	36	4	4	4	4	20	1	21	21			
Norfolk.....	2	2	26	7	33	10	10	10	10	6	1	7	7			
Northumberland.....	2	2	46	5	51	8	8	8	8	17	1	18	18			
Ontario.....	2	1	3	80	10	90	1	1	8	22	4	26	26			
Oxford.....	3	1	4	66	29	95	8	8	17	8	25	25	25			
Parry Sound Dist..	1	1	1	11	1	12	2	2	10	1	11	11	11			
Peel.....	1	1	37	2	39	6	6	6	6	16	2	18	18			
Perth.....	1	1	45	15	60	9	9	9	9	12	4	16	16			
Peterborough.....	1	1	53	6	59	12	12	12	12	18	3	21	21			
Prescott.....	1	1	16	16	16	9	9	9	9	9	9	9	9			
Prince Edward ...	1	1	23	3	26	7	7	7	7	7	7	7	7			
Rainy River Dist..	2	2	5	1	6	1	1	1	1	3	1	4	4			
Renfrew.....	1	1	46	2	48	6	6	6	6	16	16	16	16			
Russell.....	1	1	11	3	14	6	6	6	6	2	8	8	8			
Simcoe.....	8	8	189	18	207	22	1	23	55	5	60	60	60			
Stormont.....	1	1	21	7	28	11	11	11	11	3	2	5	5			
Sudbury.....	1	1	1	1	1	2	2	2	2	1	1	2	2			
Temiskaming.....	1	1	3	3	3	2	2	2	2	2	2	2	2			
Thunder Bay Dist.	1	1	4	4	8	1	3	4	1	2	3	3	3			
Victoria.....	1	1	44	11	55	6	1	7	11	4	15	15	15			
Waterloo.....	2	1	3	52	17	69	2	2	4	16	2	18	18			
Welland.....	1	1	20	4	24	1	1	2	5	1	6	6	6			
Wellington.....	1	1	53	12	65	4	4	12	5	17	17	17	17			
Wentworth.....	5	2	7	147	37	184	11	11	62	16	78	78	78			
York.....	66	14	80	639	159	798	47	10	57	310	60	370	370			
Unascertained.....	21	2	40	6	46	4	4	4	4	6	2	8	8			
Totals.....	140	37	177	2,940	576	3,516	4	4	368	26	394	987	205	1,192		

TABLE No. 6.

Periods.	Alleged duration of attack prior to admission.		Length of residence of those remaining in Hospitals on Oct. 31st, 1918.		Periods of treatment of those who were discharged recovered during the year.		Periods of treatment of those who were discharged improved during the year.		Periods of treatment of those who were discharged unimproved during the year.		Periods of treatment of those who died during the year.	
	Woodstock Hospital.	Orilla Hospital.	Woodstock Hospital.	Orilla Hospital.	Woodstock Hospital.	Orilla Hospital.	Woodstock Hospital.	Orilla Hospital.	Woodstock Hospital.	Orilla Hospital.	Woodstock Hospital.	Orilla Hospital.
Under 1 month
From 1 to 2 months
.. 2 .. 3
.. 3 .. 4
.. 4 .. 5
.. 5 .. 6
.. 6 .. 9
.. 9 .. 12
.. 12 .. 18
.. 18 months to 2 years.....
.. 2 to 3 years.....
.. 3 .. 4
.. 4 .. 5
.. 5 .. 10
.. 10 .. 15
.. 15 .. 20
.. 20 years and upwards.....
Totals.....	37	987	205	12	7	7	7	7	119	29	7	29

TABLE No. 7.

Showing the general movement and result of treatment of patients in the Hospital for Feeble-Minded, Orillia, during each of the thirty-nine years from the 1st January, 1879, to the 31st October, 1918.

	Average daily number of patients in residence.		Number of patients admitted each year.		Number of patients discharged improved and unimproved each year.		Number of patients who died in each year.		Percentage of deaths upon number residents.		Number of patients remaining in Hospital at the end of each year.							
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.						
	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.						
Average five years—																		
1879 to 1883	87	84	171	18	16	34	2	1	3	6	7	13	6.25	7.69	6.95	96	91	187
Average five years—																		
1884 to 1888	122	109	231	18	18	36	2	2	4	10	7	17	8.13	6.19	7.20	123	113	236
Average five years—																		
1889 to 1893	221	183	404	42	36	78	2	2	4	12	16	28	5.55	8.33	6.87	216	192	408
Average five years—																		
1894 to 1898	322	264	586	44	38	82	4	4	8	24	23	47	7.28	8.52	7.84	330	270	600
1899	353	295	648	39	43	82	3	6	9	29	28	57	8.12	9.33	8.67	357	300	657
1900	351	300	651	45	26	71	4	5	9	41	24	65	11.48	8.08	9.94	357	297	654
1901	354	300	654	33	22	55	8	1	9	32	16	48	9.12	5.29	7.36	350	302	652
1902	349	307	656	29	28	57	9	1	10	22	16	38	6.36	5.11	5.76	346	313	659
1903	348	324	672	30	39	69	4	3	7	24	7	31	8.89	2.05	4.49	348	342	690
Average five years	351	305	656	35	32	67	6	3	9	30	18	41	6.37	4.94	5.65	361	364	725
1904	350	350	700	39	43	82	3	2	5	23	18	41	7.79	7.03	7.41	372	370	742
1905	368	368	736	46	35	81	6	2	9	29	26	55	7.79	7.03	7.41	372	370	742
1906	375	377	752	43	40	83	5	4	9	40	22	62	10.64	5.71	8.15	376	385	761
1907	380	390	770	35	31	66	7	3	10	21	19	40	5.48	4.85	5.16	383	392	775
1908	384	390	774	36	28	64	5	2	7	22	31	53	5.65	8.01	6.83	389	387	776
Average five years	369	375	744	40	35	75	5	3	8	27	23	50	7.19	6.11	6.64	376	378	754
*1909	390	386	776	29	28	57	3	14	15	18	18	33	3.84	4.66	4.26	392	394	786
1910	384	383	767	30	18	48	5	7	12	15	16	36	5.07	4.17	4.58	397	389	786
1911	410	391	801	18	18	36	2	2	4	12	13	25	2.93	3.33	3.12	417	392	809
1912	412	400	812	19	29	48	1	2	3	17	17	34	4.12	4.25	4.18	415	409	823
1913	411	404	815	37	35	72	2	1	3	34	27	61	8.27	6.68	7.48	414	409	823
Average five years	402	393	795	33	26	59	4	3	7	20	18	38	4.85	4.62	4.72	407	397	804
1914	410	405	815	34	42	76	5	3	8	30	37	67	7.27	9.03	8.14	410	410	820
1915	418	408	826	34	15	49	.....	.....	.....	17	14	31	4.07	3.43	3.75	424	407	831
1916	426	398	824	49	33	82	1	4	5	34	39	73	7.98	9.80	8.86	432	396	828
1917	432	507	939	47	184	281	7	5	12	24	25	49	5.42	4.55	4.95	443	549	992
1918	453	546	999	98	42	140	13	6	19	72	47	119	15.9	8.61	11.09	450	537	987
Average five years	427	453	881	48	63	116	5	4	9	36	33	68	8.13	7.09	7.36	432	460	892

* Ten months ending October 31st, 1909.

TABLE No. 8.

Showing the general movement and result of treatment of patients in the Hospital for Epileptics, Woodstock, during each of the years from the 1st April, 1906, to the 31st October, 1918.

	Average daily number of patients in residence.		Number of patients admitted each year.		Number of patients covered in each year.		Number of patients discharged improved and unimproved each year.		Number of patients who died in each year.		Percentage of re-coveries upon admission.		Percentage of deaths upon number residents.		Number of patients remaining in Hospital at the end of each year.		
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Total.
1906 (Nine months).....	18	14	32	26	58	.....	5	5	10	1	2	3	.....	3.85	10.53	6.67	45
1907.....	32	2	58	30	52	1	13	3	16	2	2	4	3.33	5.26	5.48	38	73
1908.....	45	40	85	30	43	.....	7	2	9	2	.....	2	.0	3.39	.0	1.94	103
*1909.....	64	48	112	27	42	.....	14	7	21	2	1	3	.....	3.39	2.27	2.68	121
1910.....	87	68	155	38	76	1	14	7	21	3	2	5	2.63	3.45	2.94	90	168
1911.....	97	89	186	31	57	.....	13	6	19	6	2	8	.....	6.18	2.25	4.30	198
1912.....	99	95	194	27	43	.....	15	8	23	11	11	22	.....	10.78	11.46	11.11	196
1913.....	105	106	206	14	37	.....	8	3	11	4	7	11	.....	3.84	6.60	5.34	211
1914.....	105	105	210	10	17	.....	5	8	13	9	7	16	.....	8.57	6.60	7.58	209
1915.....	101	105	206	18	36	.....	7	15	22	10	8	18	.....	9.90	7.71	8.74	205
1916.....	102	101	203	12	25	.....	5	7	12	8	4	12	.....	7.84	3.96	5.91	206
1917.....	101	107	208	27	43	.....	8	4	12	19	7	26	.....	18.80	6.54	12.5	211
1918.....	100	108	208	23	37	.....	10	4	14	18	11	29	.....	18.00	10.2	13.94	205

*Ten months ending October 31st, 1909.

TABLE No. 11.

Showing the number of officers and employees in each and all of the Hospitals, classified according to the duties performed.

Occupation.	Orillia Hospital.	Woodstock Hospital.	Total.
Superintendents.....	1	1	2
Associate Physicians	2	1	3
Bursars	1	1	2
Stenographers	1	1	2
Storekeepers.....	1	.....	1
Matrons	1	1	2
Assistant Matrons.....	1	.....	1
Cooks.....	.....	.....	.....
Laundresses	22	5	27
Housemaids and Dairymaids. } Domestic help			
Seamstresses			
Bakers	1	.....	1
Tailors and Shoemakers.....	2	.....	2
Laundryman	1	.....	1
Engineer and Assistants	2	1	3
Stokers.....	4	1	5
Bricklayers and Masons	1	.....	1
Carpenters	1	.....	1
Painters	1	.....	1
Farmers.....	1	1	2
Farmers' Assistants	6	5	11
Gardeners .....	.....	1	1
Chief Attendants (males) }	41	15	56
Supervisors (males)			
Attendants (males)			
Attendants (females)	4	.....	4
Teachers			
Totals.....	95	34	129

TABLE No. 12.

Statement of revenue from paying patients and from farm and miscellaneous sources
for the year ending October 31st, 1918.

Hospital.	No. of paying patients.	From paying patients.		From farm and Miscellaneous.		Totals.	
		\$	c.	\$	c.	\$	c.
Orillia.....		17,817	83	4,641	33	22,459	16
Woodstock.....		19,756	31	4,387	19	24,143	50
Totals.....		37,574	14	9,028	52	46,602	66

TABLE No. 13.

Showing the expenditure on maintenance under the different headings of the estimates
for the year ending October 31st, 1918.

Heading of Estimates.	Orillia Hospital.		Woodstock Hospital.	
	\$	c.	\$	c.
Medicines	1,588	61	589	31
Groceries.....	48,959	03	14,866	36
Heat and Light	19,594	67	8,725	87
Clothing.....	14,355	47	397	53
Laundry	4,152	44	1,472	85
Office	962	74	269	79
Farm	5,680	36	5,455	53
Contingencies.....	1,422	71	317	88
Total expenses	96,716	03	32,085	12
Salaries	42,990	63	19,256	23
Grand Totals.....	139,706	66	51,341	35

NOTES ON PER CAPITA STATEMENT.

Attached hereto is a statement of the cost of maintenance per patient per day for the twelve months ending October 31st, 1918, in the ten hospitals mentioned, as compared with the year 1917, being based on actual consumption.

It follows out the order of the sub-divisions of appropriations voted by the Legislature, and is calculated to two places of decimals of a cent. The figures in black-faced type represent totals.

Invoices for all purchases, properly certified by the Bursar and the Store-keeper, as to accuracy and receipt of goods, are checked in the Department before being submitted to the Treasury for payment.

A system of Daily Requisitions for all supplies, such as provisions, is carried out and these requisitions are forwarded to the Department semi-weekly. In case of coal, the amount consumed on each shift is weighed and weekly report of consumption made by the engineer.

Under headings "Provisions" and "Clothing" is shown only consumption by patients—the value of such supplies to officers, attendants, nurses, and employees being included in the account "Employees' Meals and Uniforms" under the heading "Salaries."

Quarterly inventories of stock are taken at each Institution, and are checked with the ledger accounts of the Department.

Returns are made of all products of the Farm and Garden, as received, charges being made against the cost of maintenance, and the Farm and Garden given credit for the same: for this purpose a uniform price list is in use for all Institutions, regardless of size or fertility of farm. At the end of the year the value per patient per day of such products—fruits, vegetables, feed and fodder, meat and eggs—is deducted from the gross per capita cost and appears in the statement as "Farm Recoveries."

TABLE

Comparative Statement of Average Maintenance Cost per Capita

	Brockville.		Hamilton.		Kingston.	
	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
Days' residence of patients.....	283,531	284,371	478,932	465,283	302,925	208,321
Average number of patients	776.80	779.09	1,312.14	1,274.74	555.96	570.74
	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.
MEDICINES.....	.53	.48	.35	.32	.46	.55
Medicines and Medical comforts.....	.53	.48	.35	.32	.46	.55
PROVISIONS.....	17.90	15.49	18.73	18.48	20.49	17.32
Breakfast Foods and Cereals.....	.57	.36	.66	.40	.53	.41
Butter	2.36	2.30	3.36	2.92	2.90	2.66
Coffee and Tea.....	.58	.40	.55	.50	.36	.33
Eggs.....	.65	.57	.99	.96	.61	.45
Flour, Bread, etc.....	3.84	3.11	3.36	3.34	3.72	3.07
Fruit and Vegetables—Fresh .....	.78	.51	.45	.63	.98	.70
“ “ Canned and Dried .....	.55	.82	.95	1.12	.93	.98
Milk.....	1.28	1.20	1.44	1.28	1.18	1.31
Potatoes.....	.30	.66	.63	1.19	.85	1.02
Salt, Spices, Pickles, etc .....	.10	.11	.08	.07	.17	.13
Sugar and Syrup.....	1.20	1.20	1.15	.85	1.42	1.20
Unenumerated Groceries	1.20	.84	1.29	1.07	1.38	1.03
Butchers' Meat	4.00	3.04	3.23	3.74	4.10	3.45
Fish and Fowl.....	.49	.37	.69	.41	1.36	.58
FUEL, LIGHT AND WATER.....	12.73	10.20	7.82	6.01	17.58	11.18
Coal and Wood.....	11.08	8.36	6.16	4.58	17.47	11.11
Electricity .....	.09	.18	.49	.54	.....	.....
Gas .....	.36	.33	.23	.24	.....	.....
Oil, Candles, Matches, etc .....	.10	.11	.06	.01	.11	.07
Water.....	1.10	1.22	.88	.64	.....	.....
CLOTHING	3.12	3.41	2.57	1.88	3.57	3.43
Clothing—Dry Goods	2.40	2.63	2.25	1.53	2.99	2.80
Boots, Shoes, etc .....	.72	.78	.32	.35	.58	.63
LAUNDRY AND CLEANING	1.27	.99	.74	.59	1.26	.87
Brushes, Brooms and Mops .....	.13	.15	.12	.11	.24	.21
Miscellaneous Expenses .....	.28	.29	.17	.15	.38	.20
Soap.....	.86	.55	.45	.33	.64	.46
GENERAL REPAIRS.....	5.20	2.05	2.17	1.81	4.30	4.08
Furniture and Furnishings.....	5.02	1.32	1.93	1.26	3.89	2.95
Plant .....	.18	.73	.24	.55	.41	1.13
OFFICE EXPENSES .....	.51	.47	.29	.32	.37	.37
Miscellaneous Items.....	.16	.14	.09	.14	.11	.15
Postage .....	.23	.19	.11	.10	.15	.12
Telephone and Telegraph.....	.12	.14	.09	.08	.11	.10
SALARIES.....	21.25	19.82	14.76	13.94	22.15	20.80
Supt. and Physicians	1.59	1.78	1.36	1.30	1.58	2.09
Bursar and Assistants.....	1.69	1.55	1.49	1.44	2.19	1.96
Matron and Assistants.....	3.38	2.88	2.56	2.57	2.51	2.30
Engineer and Assistants	2.20	2.17	1.39	1.23	2.50	2.20
Artisans, not Domestic	1.09	1.04	.69	.76	1.51	1.40
Farm and Garden.....	2.40	2.13	1.65	1.50	1.54	1.37
Teachers.....	.....	.....	.....	.....	.....	.....
Attendants and Nurses.....	8.78	8.25	5.56	5.07	10.30	9.27
Temporary Assistance.....	.12	.02	.06	.07	.02	.21

No. 14.

per Day for the Twelve Months ending 31st October, 1918.

London.		Mimico.		Orillia.		Penetang.		Toronto.		Woodstock.	
This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
433,622	425,667	240,439	237,583	365,492	343,158	132,962	123,117	374,507	369,249	15,536	76,411
1,188.00	1,116.21	658.74	650.91	1,001.35	940.16	361.28	365.39	1,026.05	986.99	206.95	209.35
Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.
.23	.21	.62	.54	.43	.55	.21	.15	.40	.37	.78	.87
.23	.21	.62	.54	.43	.55	.21	.15	.40	.37	.78	.87
16.19	15.36	18.50	15.56	12.14	11.82	13.27	12.15	20.55	17.96	18.11	16.03
.46	.41	.73	.55	.61	.37	.36	.28	.34	.33	.42	.31
2.72	2.59	3.02	2.72	1.34	1.91	2.07	2.21	3.26	2.80	3.19	3.21
.73	.64	.46	.36	.45	.34	.54	.47	.55	.48	.49	.41
.23	.29	.48	.35	.35	.30	.....	.01	.54	.62	.08	.07
3.26	2.86	3.69	2.98	3.55	3.40	3.47	2.93	3.23	2.76	3.75	2.66
.74	.25	.83	.62	.41	.48	.38	.54	.51	.47	.32	.87
.39	.50	.41	.67	.35	.53	.51	.45	.64	1.00	1.57	1.03
1.35	1.61	1.39	1.31	.75	.97	1.49	1.42	3.04	1.78	2.83	2.72
.46	.40	.23	.24	.31	.13	.36	.53	1.21	1.24	.72	1.08
.07	.06	.09	.08	.07	.07	.02	.03	.09	.08	.04	.01
1.22	1.23	1.14	1.00	.93	.92	.46	.40	1.11	.99	1.39	1.15
1.09	.88	.76	.80	1.01	.73	.91	.77	1.03	.93	.68	.40
2.82	3.24	4.55	3.51	1.46	1.42	1.74	1.67	3.58	3.77	1.75	1.28
.65	.40	.72	.37	.55	.25	.96	.44	1.42	.71	.88	.83
9.58	7.81	11.41	7.20	10.39	6.94	12.37	7.66	10.86	5.39	10.24	9.35
8.95	7.12	10.83	6.71	9.73	6.24	10.27	5.37	8.75	3.66	7.28	5.72
.45	.55	.48	.40	.52	.54	.21	.11	.33	.20	.63	.74
.12	.12	.....	.....	.....	.....	.....	.....	.49	.62	.....	.....
.06	.02	.10	.09	.03	.02	.03	.13	.06	.05	.01	.03
.....	.....	.....	.....	.11	.14	1.86	2.05	1.23	.86	2.32	2.86
3.22	2.93	2.79	2.14	4.45	3.34	3.71	3.02	1.95	1.09	.62	.64
2.43	2.41	2.43	1.75	3.42	2.47	2.70	2.14	1.62	.75	.41	.46
.79	.52	.36	.39	1.03	.87	1.01	.88	.33	.34	.21	.18
1.36	.98	1.33	1.05	1.14	.86	.62	.55	1.75	1.10	1.87	1.37
.16	.18	.21	.18	.18	.13	.12	.10	.14	.13	.13	.13
.28	.20	.27	.28	.14	.11	.15	.20	.65	.24	.92	.61
.92	.60	.85	.59	.82	.62	.35	.25	.96	.73	.82	.63
2.75	2.82	2.89	2.15	2.85	2.76	2.38	1.81	4.90	4.37	1.98	2.43
2.50	2.17	2.67	1.59	2.41	1.98	2.30	1.12	4.62	3.81	1.85	1.61
.25	.65	.22	.56	.44	.78	.08	.69	.28	.56	.13	.82
.32	.33	.35	.40	.28	.25	.17	.18	.21	.30	.36	.34
.13	.16	.11	.13	.09	.07	.04	.06	.06	.14	.08	.09
.11	.10	.12	.14	.14	.13	.06	.05	.06	.05	.12	.14
.08	.07	.12	.13	.05	.05	.07	.07	.09	.11	.16	.11
17.99	16.80	18.80	18.65	11.77	10.98	20.94	19.27	16.43	14.67	25.49	24.27
1.36	1.32	2.23	2.64	1.58	1.64	2.78	2.79	1.87	1.96	5.29	5.23
1.42	1.31	1.23	1.15	.97	.98	2.14	2.02	1.65	1.60	2.68	2.56
2.68	2.75	2.39	2.50	2.34	2.29	3.13	2.71	2.53	2.28	3.85	3.71
1.99	2.04	1.75	1.96	.94	1.06	1.90	1.90	1.40	1.07	1.19	1.16
.99	.85	.87	.82	.57	.52	2.11	1.97	.52	.63	1.04	1.05
1.73	1.59	1.89	1.92	1.09	.90	2.43	2.35	.60	.59	5.14	4.86
.....	.....	.....	.....	.35	.35	.....	.....	.....	.....	.....	.....
7.82	6.83	8.40	7.66	3.87	3.24	5.90	5.53	7.60	6.54	6.20	5.62
.....	.11	.04	.....	.06	.....	.55	.....	.26	.....	.10	.08

TABLE

Comparative Statement of Average Maintenance Cost per Capita

	Brockville.		Hamilton.		Kingston.	
	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
Days' residence of patients	283,531	284,371	478,932	465,283	202,925	208,321
Average number of patients	776.80	779.09	1,312.14	1,274.74	555.86	570.74
	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.
ALLOWANCES	6.65	5.70	5.49	4.21	6.15	5.79
Employees' Meals	6.08	5.39	5.29	3.89	5.84	5.60
" Uniforms .....	.37	.16	.19	.27	.26	.18
" Other Allowances .....	.20	.15	.01	.05	.05	.01
FARM AND GARDEN	5.88	5.00	4.49	4.23	3.75	3.44
Feed and Fodder	4.48	3.60	3.63	3.19	2.68	2.67
Miscellaneous Farm Expenses	1.12	1.00	.64	.63	.49	.49
Seeds, etc. ....	.28	.40	.26	.41	.57	.28
CONTINGENCIES .....	.77	.65	.71	.82	.76	.76
Amusements, Religion, Education .....	.18	.17	.07	.08	.16	.11
Elopers, Cost of Recovery .....	.02	.02	.01	.01	.01	.02
Freight, Duties, etc. ....	.10	.13	.06	.11	.14	.15
Ice .....	.04	.04	.14	.18	.....	.01
Incidental Expenses .....	.34	.26	.36	.39	.41	.45
Officers' Travelling Expenses .....	.09	.03	.07	.05	.04	.02
Per Capita cost per day, less Salaries	47.91	38.74	37.87	34.46	52.54	42.00
" " " " " of Salaries	27.90	25.52	20.25	18.15	28.30	26.59
Total gross per Capita cost	75.81	64.26	58.12	52.61	80.84	68.59
Less total recovery per Capita per day	20.21	16.66	19.31	18.10	16.81	15.36
Net per Capita burden payable by Province	55.60	47.60	38.81	34.51	64.03	53.23

N.B.—The accompanying is a Comparative Statement of the cost of maintenance per patient per day for the twelve months ending 31st October, 1918, in the nine Hospitals for the Insane, as compared with the twelve months ending 31st October, 1917, based on actual consumption and calculated to two places of decimals of a cent. The figures in black-faced type represent totals.

Under the headings "Provisions" and "Clothing" is shown the actual consumption by patients—the value of such supplies to officers, attendants, nurses and employees being included under the heading "Allowances."

Where no charge is shown for light or water, these are included in the cost of coal.

No. 14—*Concluded.*

per Day for the Twelve Months ending 31st October, 1918.—*Concluded.*

London.		Mimico.		Orillia.		Penctang.		T		Woodstock.	
This Year	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
433,692	425,667	240,439	237,583	365,492	343,158	132,962	133,417	371,507	360,249	75,536	76,411
1,188.00	1,116.21	658.74	650.91	1,001.35	940.16	264.38	365.39	1,036.05	986.99	206.95	209.35
Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.
4.85	4.55	5.84	4.84	3.49	3.39	5.02	4.75	4.33	4.31	7.86	6.97
4.45	4.25	5.32	4.40	3.33	3.25	4.50	4.41	3.96	4.03	7.23	6.46
.35	.27	.40	.28	.15	.11	.30	.20	.29	.26	.12	.18
.05	.03	.12	.16	.01	.03	.22	.14	.08	.02	.51	.33
4.99	4.25	3.83	3.35	2.26	2.25	4.57	4.65	.41	.25	12.02	10.21
3.69	3.22	2.84	2.28	1.83	1.66	3.69	4.07	.17	.13	8.78	8.17
.72	.58	.79	.72	.35	.42	.62	.45	.22	.11	2.07	1.30
.58	.45	.20	.35	.08	.17	.26	.13	.02	.01	1.17	.74
.40	.35	.53	.49	.39	.32	.56	.52	.62	.75	.30	.25
.09	.09	.11	.11	.06	.07	.07	.04	.08	.07	.12	.05
.03	.01	.02	.01	.....	.....	.....	.....	.....	.01	.....	.....
.04	.04	.05	.04	.14	.12	.19	.15	.11	.17	.09	.07
.....	.....	.12	.13	.....	.....	.....	.....	.25	.31	.....	.....
.22	.19	.23	.20	.13	.11	.26	.31	.15	.16	.03	.10
.02	.02	.....	.....	.06	.02	.04	.02	.03	.03	.06	.03
39.04	35.04	42.25	32.88	34.33	29.09	37.86	30.69	41.65	31.58	46.28	41.49
22.84	21.35	24.64	23.49	15.26	14.37	25.96	24.02	20.76	18.98	33.35	31.24
61.88	56.39	66.89	56.37	49.59	43.46	63.82	54.71	62.41	50.56	79.63	72.73
20.58	18.06	19.02	18.39	8.91	7.10	8.17	9.01	14.01	14.83	42.97	38.02
41.30	38.33	47.87	37.98	40.68	36.36	55.65	45.70	48.40	35.73	36.66	34.71

TABLE

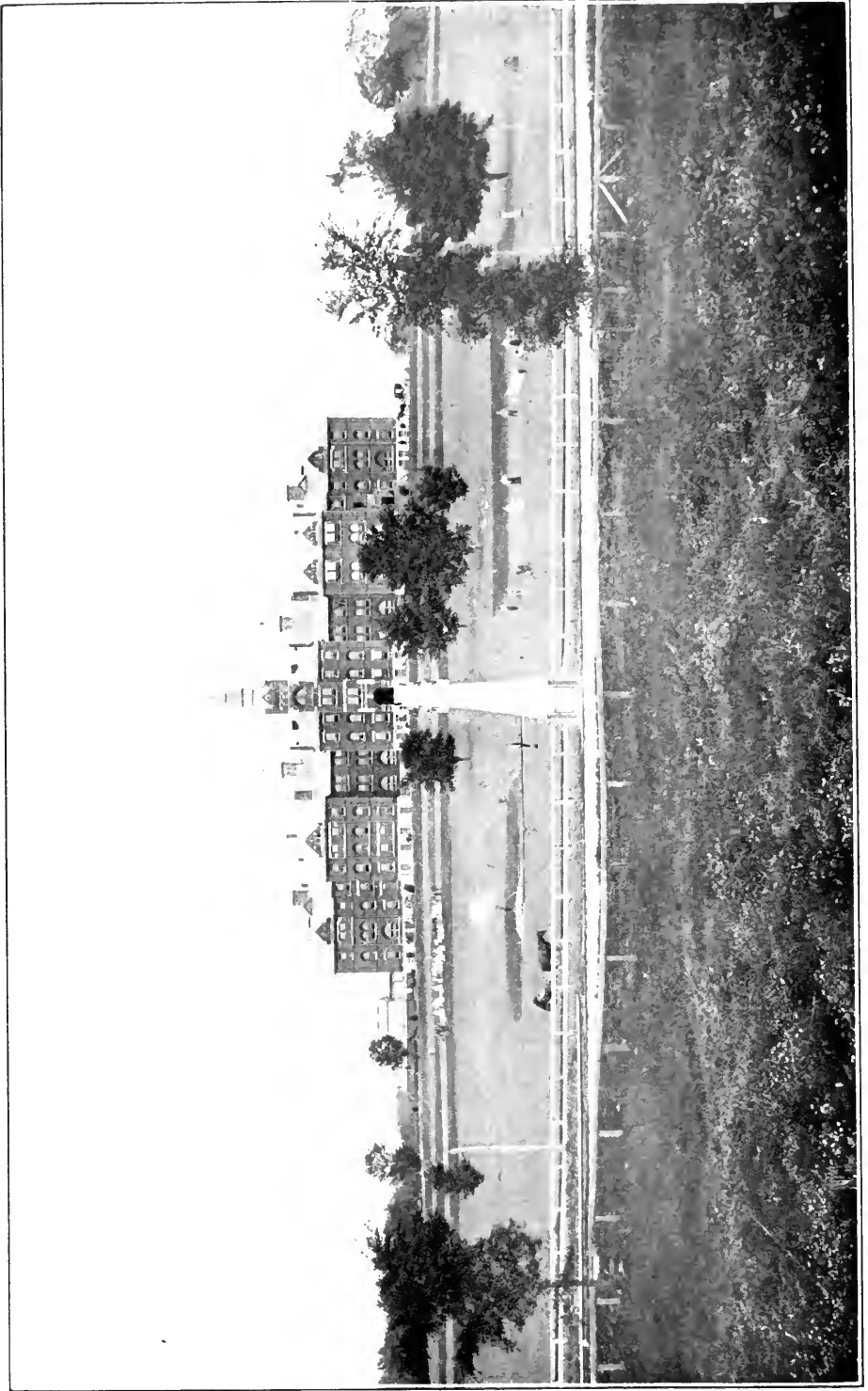
Comparisons, Appropriations, Expenditures, Consumption, Population

—	Brockville.	Hamilton.	Kingston.
Days' residence of patients,	283,531	478,932	202,925
Average number of patients,	776.80	1,312.14	555.96
Medicines.....Appropriation.....	\$1,800 00	\$1,800 00	\$1,800 00
Expenditure.....	1,495 50	1,642 08	935 55
Consumption.....	1,495 50	1,642 08	935 55
Provisions.....Appropriation.....	70,000 00	98,000 00	45,000 00
Expenditure.....	66,831 87	97,061 02	42,213 64
Consumption.....	50,756 19	89,716 37	41,577 15
Fuel, Light and Water.....Appropriation.....	43,000 00	55,000 00	40,000 00
Expenditure.....	37,862 18	52,652 58	38,468 29
Consumption.....	36,105 19	37,457 96	35,665 75
Clothing, etc.....Appropriation.....	10,000 00	12,000 00	9,000 00
Expenditure.....	9,989 99	11,207 05	7,260 90
Consumption.....	8,841 08	12,290 23	7,236 98
Laundry, etc.....Appropriation.....	4,200 00	4,000 00	3,000 00
Expenditure.....	3,693 38	3,935 25	2,712 56
Consumption.....	3,609 23	3,563 60	2,562 03
Repairs, etc.....Appropriation.....	.....	.....	.....
Expenditure.....	.....	.....	.....
Consumption.....	14,732 37	10,397 98	8,731 24
Office.....Appropriation.....	1,500 00	2,000 00	1,500 00
Expenditure.....	1,458 92	1,394 57	773 88
Consumption.....	1,458 92	1,396 40	752 88
Salaries.....Appropriation.....	68,057 00	83,600 00	58,950 00
Expenditure.....	60,241 99	70,663 30	44,939 40
Consumption.....	79,088 83	96,974 29	57,422 34
Farm, etc.....Appropriation.....	10,000 00	15,500 00	7,000 00
Expenditure.....	9,880 44	15,439 51	6,283 54
Consumption.....	16,686 67	21,533 72	7,610 84
Contingencies.....Appropriation.....	2,600 00	3,850 00	2,550 00
Expenditure.....	2,187 72	3,367 77	1,481 04
Consumption.....	2,175 15	3,367 77	1,550 72
Total Maintenance.....Appropriation.....	211,157 00	275,750 00	168,800 00
Expenditure.....	193,641 99	257,363 13	145,068 80
Consumption.....	214,949 13	278,340 40	164,045 48
Capital Accounts.....Appropriation.....	32,350 00	31,100 00	20,300 00
Expenditure.....	31,138 37	27,863 30	17,921 14
Grand Totals.....Appropriation.....	243,507 00	306,850 00	189,100 00
Expenditure.....	224,780 36	285,226 43	162,989 94
REVENUE COLLECTIONS.			
From paying patients this year to date.....	32,547 42	63,061 49	23,018 42
" " last.....	28,172 40	52,343 49	22,224 25
Patients' Revenue per capita this year..... cents	11.48	13.17	11.34
" " last..... cents	9.91	11.25	10.67
From Farm and Misc. Sales this year.....	\$9,600 88	5,123 95	1,560 29
" " last.....	6,035 34	15,721 81	1,622 67
Farm and Misc. Revenue per capita this year.....cents	3.39	1.07	.77
" " last.....cents	2.12	3.37	.78
Total Revenue this year.....	\$42,148 30	68,185 44	24,578 71
" " last.....	34,207 74	68,065 30	23,846 92
Total Revenue per capita per day this year..... cents	14.87	14.24	12.11
" " " last..... cents	12.03	14.62	11.45
Farm Production Consumption this year.....cents	5.34	5.07	4.70
" " " last.....cents	4.63	3.48	3.91
Total Recovery per capita this year.....cents	20 21	19.31	16.81
" " " last.....cents	16.66	18.10	15.36

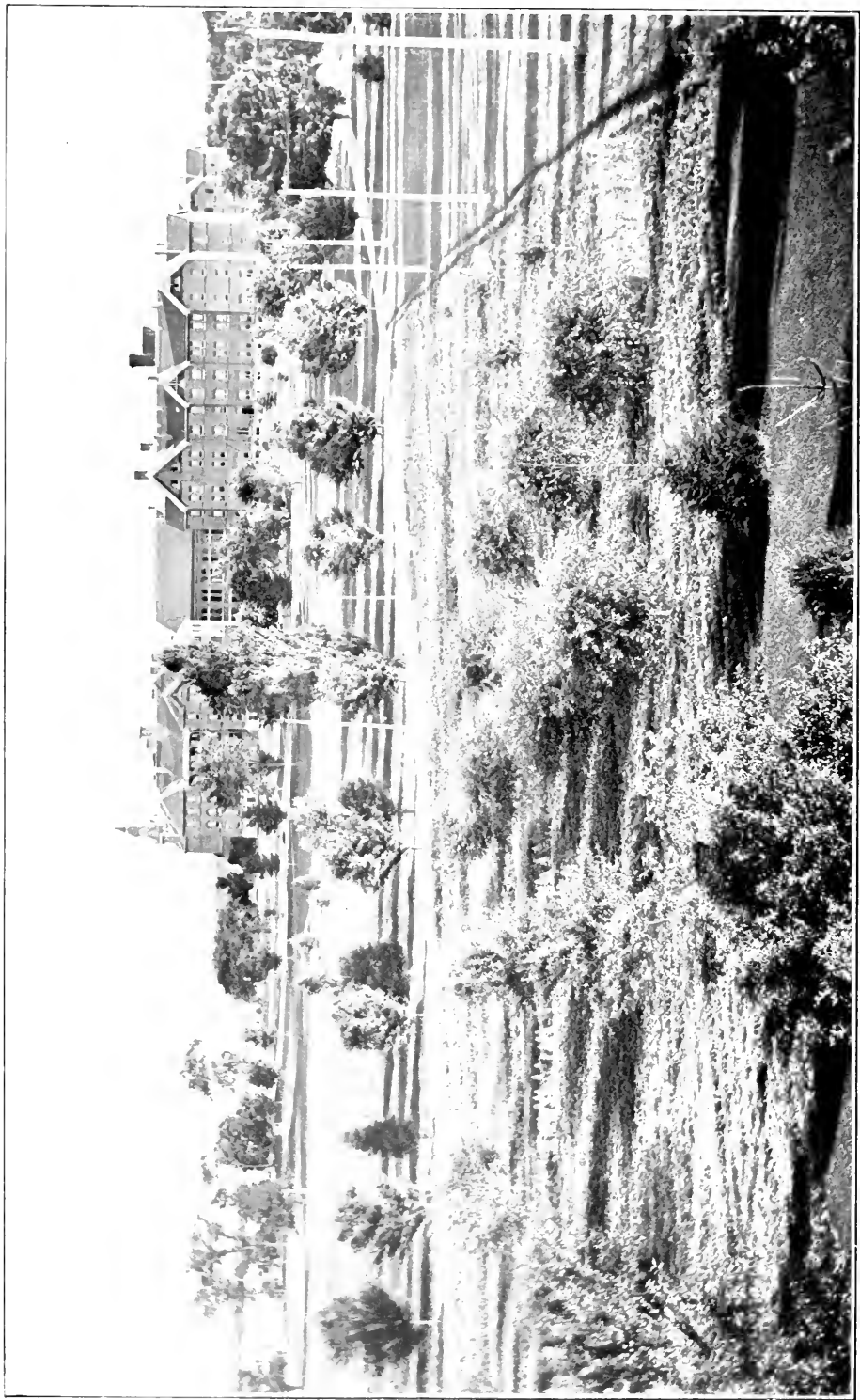
No. 15.

and Revenue for the Twelve Months ending 31st October, 1918.

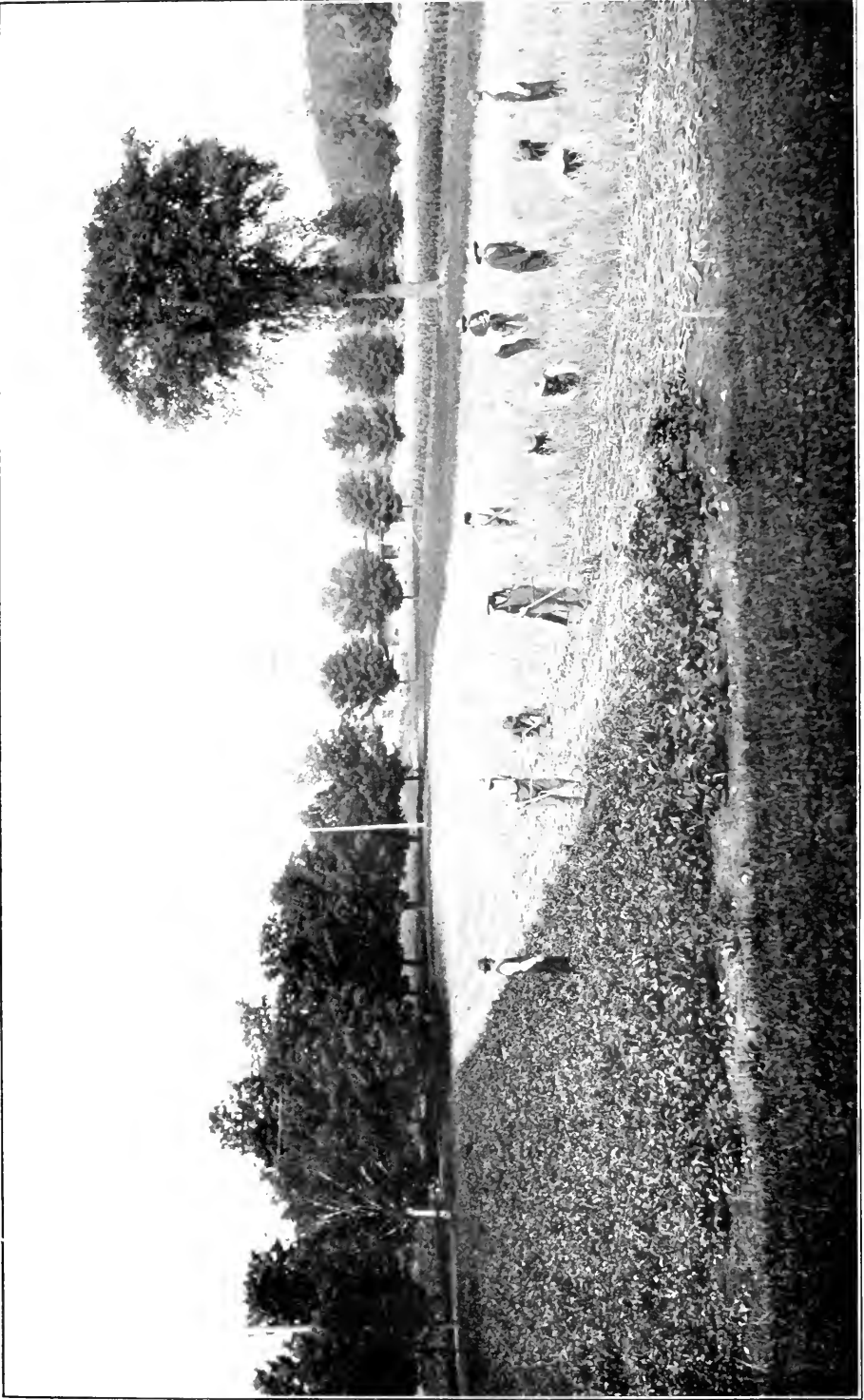
London.	Mimico.	Orillia.	Penetang.	Toronto.	Woodstock.
423,622	240,439	365,492	132,962	374,507	75,536
1,188.00	658.74	1,001.35	364.28	1,026.05	206.95
\$1,800 00	\$1,500 00	\$2,100 00	\$750 00	\$2,000 00	\$900 00
1,103 78	1,496 79	1,588 61	278 74	1,526 87	589 31
1,006 28	1,496 79	1,588 61	278 74	1,498 87	589 31
73,000 00	50,000 00	49,000 00	22,500 00	90,000 00	15,000 00
72,925 75	47,036 98	48,959 03	21,641 19	89,485 38	14,856 36
70,200 86	44,487 78	44,377 65	17,644 91	76,966 38	13,674 65
52,000 00	28,000 00	21,000 00	15,600 00	35,000 00	9,000 00
45,516 58	27,604 76	19,594 67	13,961 96	33,380 04	8,725 87
41,503 02	27,433 37	37,993 82	16,446 31	40,604 81	7,737 22
15,250 00	7,000 00	16,000 00	6,000 00	1,500 00	2,000 00
15,240 73	6,700 03	14,355 47	5,354 66	8,759 25	397 53
13,970 52	6,714 14	16,220 22	4,939 34	7,297 74	470 69
7,000 00	3,000 00	4,250 00	1,500 00	6,000 00	1,500 00
6,084 27	2,892 78	4,152 44	1,018 27	5,878 98	1,472 85
5,891 83	3,191 85	4,149 16	821 02	6,626 37	1,408 24
11,933 66	6,940 06	10,421 86	3,161 59	18,353 93	1,498 43
1,800 00	1,200 00	1,200 00	600 00	1,500 00	500 00
1,390 45	841 98	962 74	229 79	790 87	269 79
1,390 45	841 98	962 24	229 79	791 41	269 79
82,910 00	55,575 00	55,702 00	32,143 00	70,852 00	22,026 00
78,012 61	45,213 87	42,990 63	27,844 60	61,505 74	19,256 23
99,029 28	59,253 57	55,761 11	34,517 93	77,726 08	25,191 65
17,000 00	5,000 00	6,500 00	5,500 00	1,500 00	5,500 00
16,419 14	4,986 63	5,680 36	5,296 65	1,492 09	5,455 53
21,654 91	9,211 06	8,370 03	6,070 80	1,562 40	9,078 11
2,500 00	2,200 00	1,800 00	1,150 00	3,500 00	1,000 00
1,812 71	1,277 57	1,422 71	740 33	2,399 07	317 88
1,731 75	1,277 57	1,425 59	749 33	2,330 35	229 38
253,260 00	153,475 00	157,552 00	85,743 00	219,352 00	57,426 00
238,506 02	138,051 39	139,706 66	76,366 19	205,218 29	51,341 35
268,312 56	160,848 17	181,270 29	84,850 76	233,758 34	60,147 47
33,100 00	18,000 00	21,500 00	11,300 00	26,700 00	14,300 00
27,622 72	13,527 52	17,218 83	10,125 00	25,807 39	12,310 33
286,360 00	171,475 00	179,052 00	97,043 00	246,052 00	71,726 00
266,128 74	151,578 91	156,925 49	86,491 19	231,025 68	63,651 68
59,117 46	29,085 65	17,817 83	2,874 85	50,513 96	19,756 31
52,353 30	26,512 70	14,487 59	2,908 29	52,046 03	17,872 88
13.63	12.10	4.82	2.16	13.49	26.15
12.30	11.16	4.22	2.18	14.45	23.39
\$10,688 93	\$529 79	\$4,641 33	\$1,376 48	\$1,727 58	\$4,387 19
8,946 73	3,216 52	2,417 21	2,553 40	902 41	4,243 55
2.47	.22	1.27	1.04	.46	5.81
2.10	1.35	.70	1.91	.25	5.55
\$69,806 39	\$29,615 44	\$22,459 16	\$4,251 33	\$52,241 54	\$24,143 50
61,300 03	29,729 22	16,904 80	5,461 69	52,948 44	22,116 43
16.10	12.32	6.09	3.20	13.95	31.96
14.40	12.51	4.92	4.09	14.70	28.94
4.48	6.70	2.82	4.97	.06	11.01
3.66	5.88	2.18	4.92	.15	9.08
20.58	19.02	8.91	8.17	14.01	42.97
18.06	18.39	7.10	9.01	14.83	38.02



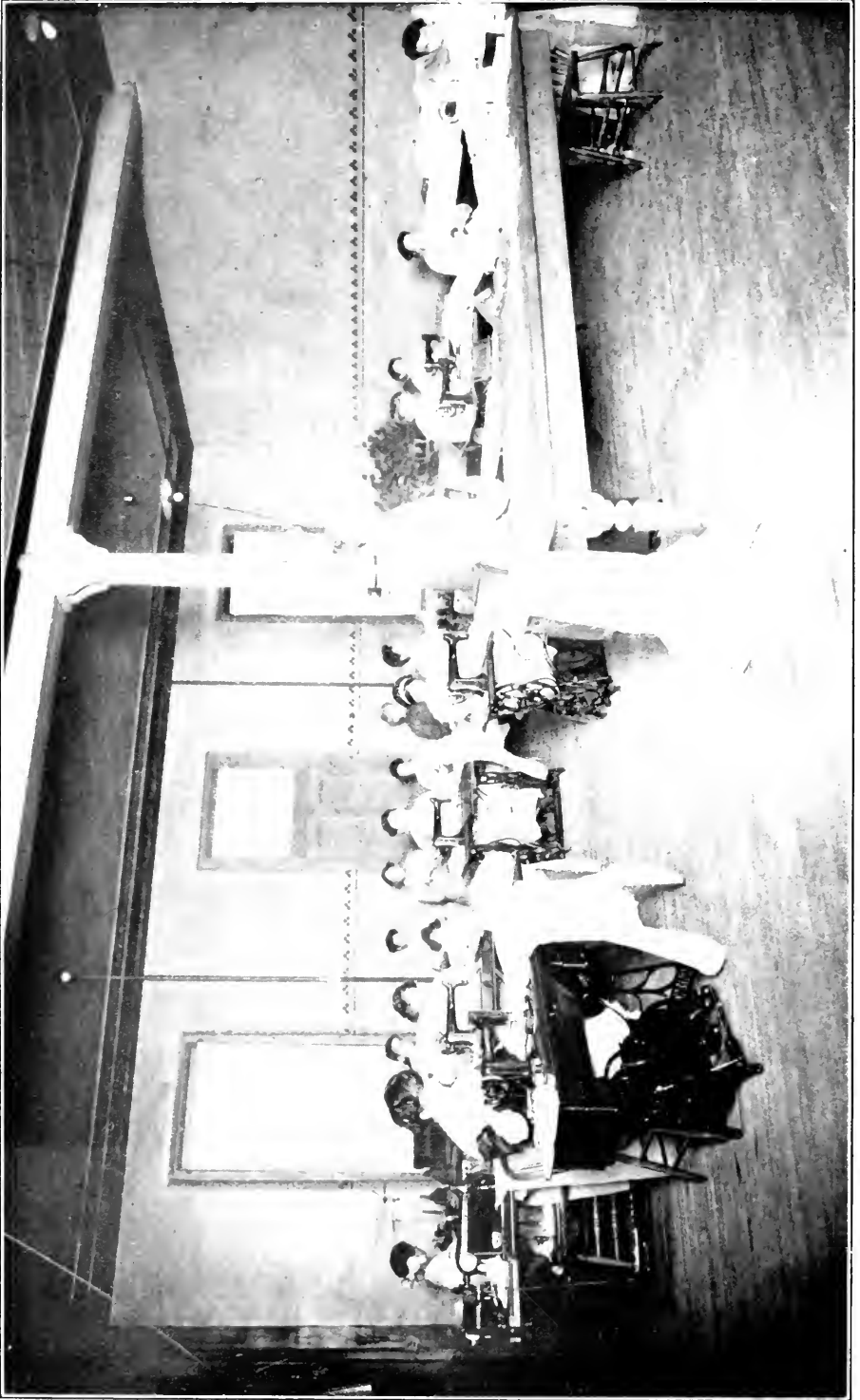
Main Building, Orillia.



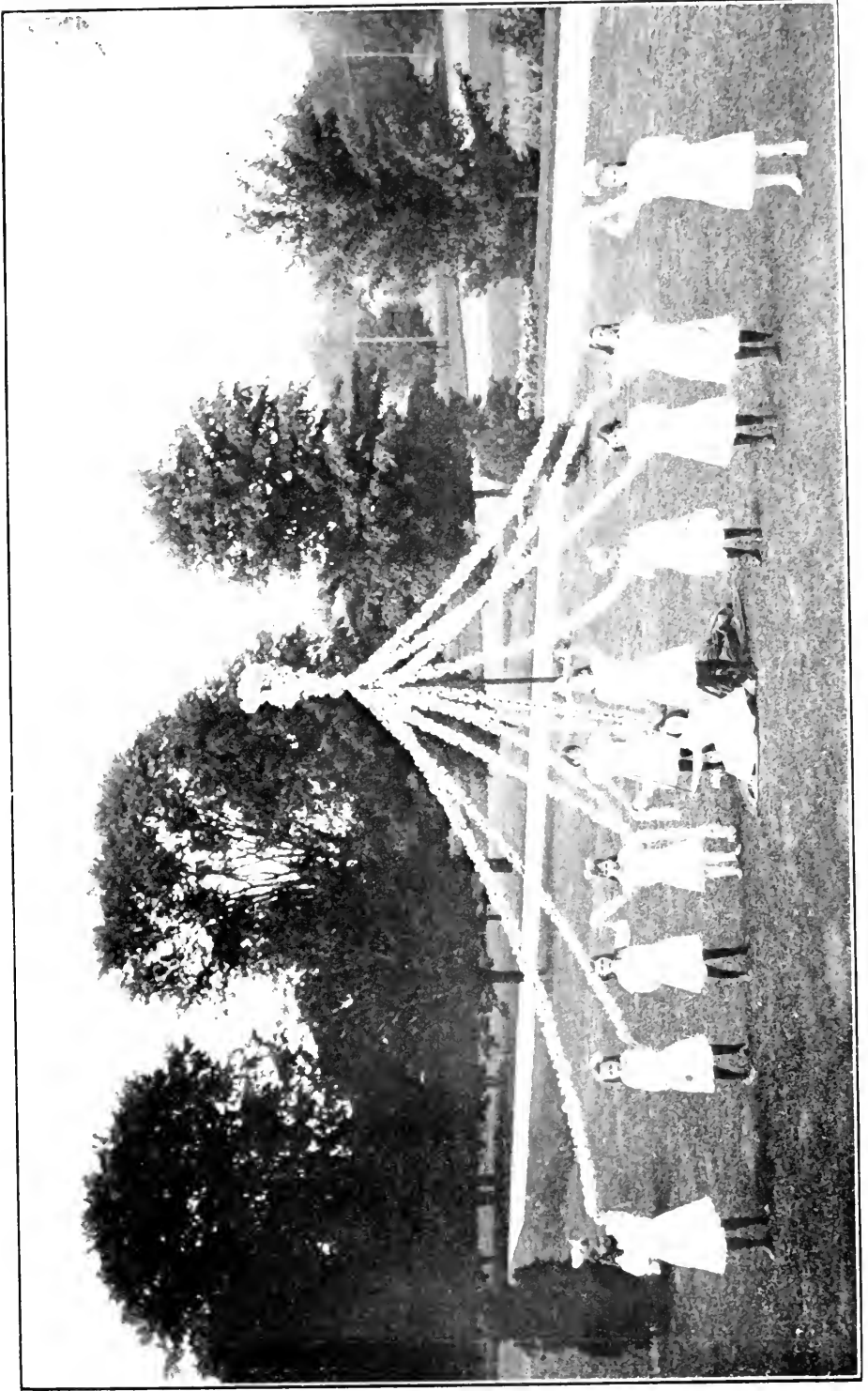
General View of Main Building and Grounds Overlooking Lake, Orillia.



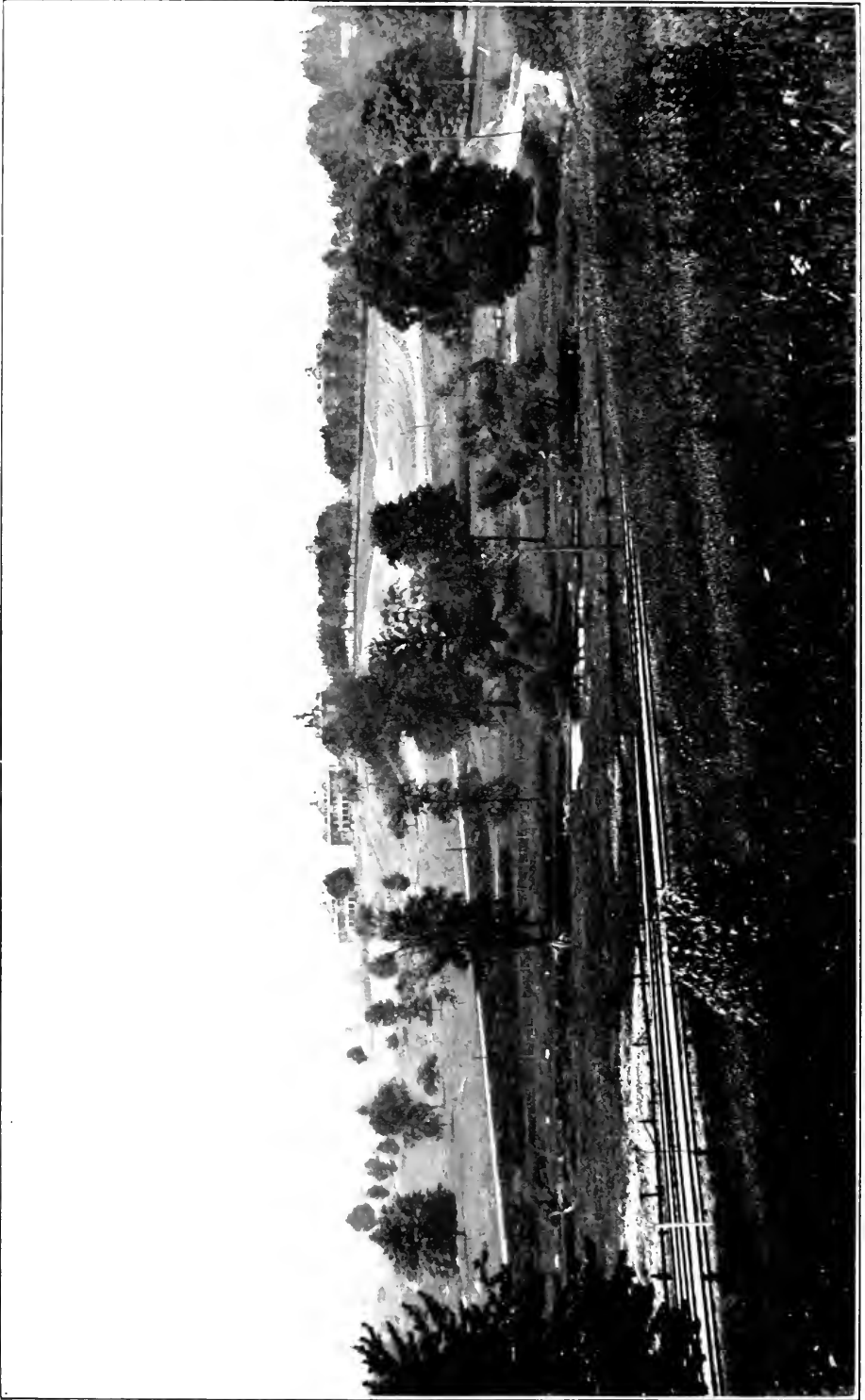
Farm, Orillia Hospital.



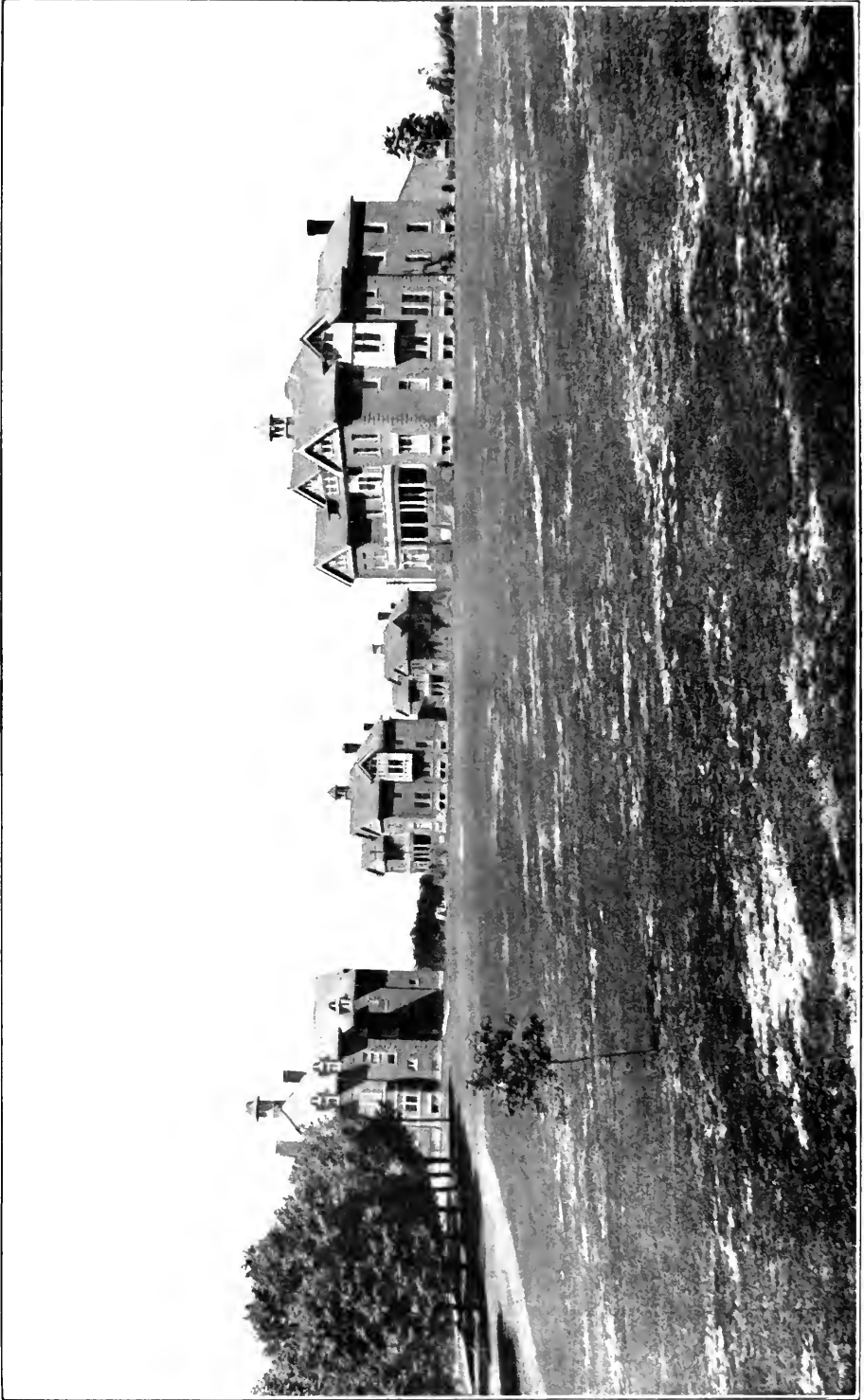
Industrial Class, Orillia Hospital.



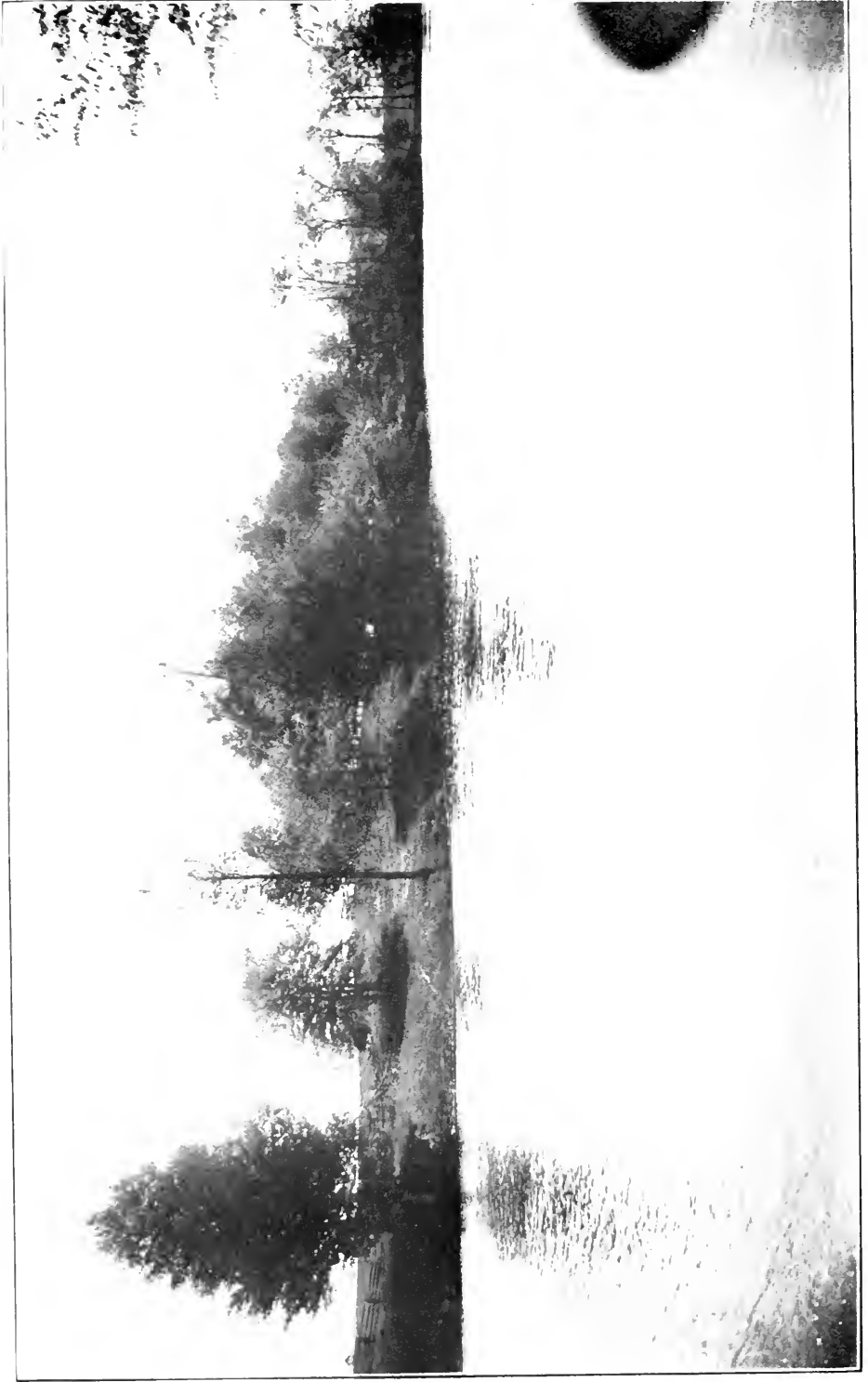
May-Day, Orillia Hospital.



Bird's-eye View of Buildings and Grounds, Woodstock.



Cottages, Woodstock.



The Pond, Woodstock.

APPENDIX

TO FIFTY-FIRST ANNUAL REPORT UPON THE HOSPITALS FOR THE
INSANE, CONTAINING THE ANNUAL REPORTS OF THE MEDICAL
SUPERINTENDENTS OF THE HOSPITAL FOR IDIOTS, ORILLIA,
AND THE HOSPITAL FOR EPILEPTICS. WOODSTOCK.

W. W. DUNLOP, Esq.,

Inspector

Parliament Bldgs., Toronto, Ont.

Sir.—I have the honour to present the annual report of the Hospital for Feeble-Minded, for the year ended Oct. 31st, 1918. The movement of the population is set forth in the following table:

—	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	550	550	1,100			
In Residence Oct. 31st, 1917				443	549	992
Admitted during year 1918—						
By Warrant	4	.....	4			
By Medical Certificate.....	94	42	136	98	42	140
Discharges during year—				541	591	1,132
" Improved	9	3	12			
" Unimproved.....	4	3	7			
Total No. discharged during year.....	13	6	19			
Died.....	72	47	119			
Eloped	5	.....	5			
Transferred	1	1	2	91	54	145
Remaining in Hospital Oct. 31st, 1918.....				450	537	987

War conditions have made it difficult for us to keep our Institution up to its normal state of efficiency. The labour question has been an ever present difficulty. With the scale of wages permitted we have been unable during the past year to keep our staff at ordinary strength and, in many instances, we have had to accept the services of people who were unsuited to the work. No doubt the fact that Orillia had four large munition factories, with male and female labour earning war wages, rendered it more difficult for us to get help than some of the institutions differently situated. On this account we have but little progress to report. The most generous estimate of our work would be that we have been marking time. On account of the scarcity of labour we were forced to leave unoccupied one flat of our new cottage for boys, with accommodation for fifty patients. As a consequence the male population reported on the 31st Oct., 1918, 450, is 86 short of the accommodation provided.

On the female side we are still providing for the insane population sent us from Whitby on Feb. 9, 1917. The occupation of our new cottage for girls by the insane group from Whitby closed the doors against the reception of feeble-minded patients for which admission had been pressed. We are grateful to be able to record that the friends of those who should have received attention when our new cottage was ready, most cordially accepted the situation that war conditions imposed. When we explained that the hospital at Whitby was needed for invalided returned soldiers, we did not receive a single protest against the decision of the Department to make room, at all costs, for the stricken soldiers from the front. Now that the war is about over we are hopeful that this building will be soon

restored to its original purpose. If it is, we shall be able to satisfy demands for the care and treatment of the most urgent cases.

Always the question of employment is a serious one in an institution of this character. We have gathered here the flotsam and jetsam of the human sea. Take Toronto as our chief recruiting centre: From Toronto we have received the incorrigibles from the Industrial School at Mimico, Sunnyside Orphanage, Boys' Home, Protestant Boys' Orphanage, C.A.S. and the Alexandria Industrial School. But more numerous and more difficult to manage are the waifs and strays from the streets and the side lines. Out of this mass of human wastage there is much that offers prospects of improvement. They come to us, many of them untrained and undisciplined. Given a fair chance, they can be made in this Institution, useful and reasonably happy. As I have often said in these reports and as I now most emphatically repeat:—On the industrial department of this, or any other institution of its kind, depends largely the measure of its usefulness and the measure of its success in the management of the children committed to its care. These children must have attractive employment. To suggest that they be allowed to eke out their existence in idleness, is to woefully misconceive the essentials for the happiness and comfort of our defectives and society's duty to them. The girls and the boys in this place who are happy and contented and give the least trouble are the girls and boys who are regularly employed. Therefore, may I urge, now that the war is over and we are entering on a new era, that opportunities be given us to extend the industries of this Hospital. I know I am safe in saying that according to the enlargement of our industrial activities permitted by the Department we shall add to the efficiency of the service we render to the unfortunates committed to our care and, at the same time, lessen the burden of their maintenance upon the Province.

The death rate for the past year has been extraordinarily high. In the first place the reason is to be found in the class of patients that have been admitted during war time. A very large proportion of the admissions have been frail physically as well as mentally. Many of them have been brought to us in an almost dying condition. Towards the close of the year we had a severe epidemic of influenza. It spread throughout our entire Institution and quickly marked as its own many of those who were weak in resistive power. I think it is within the mark to say that not ten per cent of the deaths recorded during the year were cases that had ordinary physical vitality.

Adverting to the number of patients who have come to us with a lease of life early and definitely set, we might cite the fact that twenty-four of those who died had been less than a year in the hospital. At the other end of the scale a similar result is revealed. We had thirty-nine deaths of patients who had been over twenty years in Government Hospitals; two of these had been forty-one years, one forty, one thirty-nine and one thirty-eight.

The building programme has gone on quite satisfactorily, considering the condition of the labour market. We are now within sight of the end of the reconstruction period, which will make this Institution one of the most convenient and well equipped on the continent of America. The new laundry has been in operation for a couple of months and is regarded as one of the most attractive and efficient industries of the kind in any hospital of the Province. There are several things yet to be done in connection with it; but these will come in due time. The work on the kitchen block, store, bakery, butcher-shop, cold storage, pantries and allied conveniences has gone on steadily and the early summer of 1919 should see

us in occupation of these new departments. We are looking forward gladly to the day when the workmen shall leave us and we can invite our friends to come and view the enlarged and reconstructed Hospital for the Feeble Minded.

At the beginning of the new era, which happily is opening to us, I would beg the privilege of expressing my thanks to the good men and women who have stayed loyally with us in times when selfish interests would have attracted them elsewhere. Not only have our people been faithful to their duty here, but they have not neglected their duty to the common cause. I was surprised the other day in looking over the records to find that this Hospital, with less than one hundred employees, had subscribed over \$4,000.00 to patriotic movements and had purchased war bonds to the extent of \$32,000.00. It has been a trying time to many of our people, but I think we are all disposed to forget the burden and sacrifice in the joy that is ours in turning our faces to the new day. We beg to thank our staff for all they have done, not only during the past year, but during the progress of the great war.

Since the last report was issued Miss Eva Bonnell has taken the position of matron and during the year Dr. Wickware, of Ottawa, and Dr. Mason, of Mimico, have occupied the position of assistant medical director.

I have the honour to be,

Sir,

Your obedient servant,

J. P. DOWNEY

Superintendent.

TABLE No. 1—ORILLIA.

Showing movements of patients in the Hospital for the official year ending Oct. 31st, 1917.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital.....	550	550	1,100			
In residence Oct. 31st, 1917				443	549	992
Admitted during year 1918 :						
By Warrant.....	4	.....	4			
By Medical Certificate.....	94	42	136	98	42	140
Total number under treatment during year				541	591	1,132
Discharges during year:						
As recovered .....	.....	.....	.....
As improved.....	9	3	12			
As unimproved	4	3	7			
As not insane .....	.....	.....	.....
Total number discharged during year....	13	6	19			
Died	72	47	119			
Deported .....	.....	.....	.....
Eloped	5	.....	5			
Transferred	1	1	2	91	54	145
Remaining in Hospital Oct. 31st, 1918....	.....	.....	.....	450	537	987
Total number admitted since opening of Hospital				1,523	1,417	2,940
Total number discharged since opening of Hospital.....	160	103	263			
Total number died since opening of Hospital.....	845	745	1,590			
Total number deported since opening of Hospital	2	1	3			
Total number eloped since opening of Hospital.....	17	.....	17			
Total number transferred since opening of Hospital	49	31	80	1,073	880	1,953
Total remaining in Hospital Oct. 31st, 1918 .....	.....	.....	.....	450	537	987
Daily average population.....	453	546	999			
Collective days' stay of all patients in residence during year	165,552	199,584	365,136			
Number of applications on file.....	.....	.....	752			

TABLE No. 2.—ORILLIA.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of year.			In residence.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single	98	41	139	449	478	927	1,510	1,339	2,849
Married		1	1	1	47	48	11	65	76
Widowed					12	12		13	13
Divorced									
Separated									
Unascertained								2	2
Total	98	42	140	450	537	987	1,523	1,417	2,940
RELIGION.									
Baptists.....	4	2	6	18	21	39	65	50	115
Congregationalists					1	1	4	3	7
Church of England	26	12	38	91	113	204	291	302	593
Methodists	20	12	32	82	132	214	367	367	734
Presbyterians.....	20	7	27	89	101	190	275	262	537
Roman Catholics.....	10	4	14	76	74	150	275	208	483
Other Denominations....	8	3	11	41	45	86	101	86	187
Unascertained	10	2	12	53	50	103	145	139	284
Total	98	42	140	450	537	987	1,523	1,417	2,940

TABLE No. 3—ORILLIA.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions.....	98	42	140	1,523	1,417	2,940
Total born in Canada.....	78	40	118	1,249	1,165	2,414
Armenia.....						
Assyria.....						
Austria.....				4	1	5
Australia.....						
Belgium.....						
Bulgaria.....						
Central America.....						
China.....						
Denmark.....						
England.....	9	2	11	94	94	188
France.....				3	2	5
Finland.....						
Galicia.....						
Germany.....				12	9	21
Greece.....						
Holland.....						
Hungary.....						
Ireland.....				50	52	102
Italy.....						
Japan.....						
Macedonia.....						
Other British Possessions.....				3	3	6
Norway.....						
Roumania.....						
Russia.....	3		3	6	5	11
Scotland.....	1		1	34	31	65
South America.....						
Spain.....						
Sweden.....				3	2	5
Turkey.....						
United States.....	4		4	27	21	48
West Indies.....						
Unascertained.....	3		3	38	32	70
Totals.....	98	42	140	1,523	1,417	2,940

TABLE No. 4—ORILLIA.

Showing the Occupation of those admitted during the year and since the opening of Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.					1	1
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.				3		3
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.				6		6
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.				2		2
Mechanics, etc., at Sedentary Voca- tions:— Shoemakers, Bookbinders, Com- positors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.					17	17
Domestic Service: Waiters, Cooks, Servants, etc.		2	2		56	56
Education and Higher Domestic Duties:— Governesses, Teachers, Students, Housekeepers, Nurses, etc.				1	62	63
Miners, Marine Engineers, Railway Employees, Seamen, etc.				1		1
Laborers				22		22
No Occupation	98	40	138	1,488	1,281	2,769
Unascertained						
Totals	98	42	140	1,523	1,417	2,940

TABLE No. 5.—ORILLIA.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.			
	Male.	Female.	Total.	Male.	Female.	Total.	Admitted during year.			Admitted since opening.			Male.	Female.	Total.	
							Male.	Female.	Total.	Male.	Female.	Total.				
Algoma District...	1		1	15	16	31	1		1	3	2		5	3	4	7
Brant	2	2	4	26	19	45				1			1	10	2	12
Bruce	1	1	2	37	33	70				5	4		9	5	7	12
Carleton	1	6	7	53	48	101				6	5		11	14	23	37
Dufferin				7	11	18					2		2	1	2	3
Dundas				12	6	18				3	1		4	1	4	5
Durham	2	1	3	19	27	46								7	8	15
Elgin		1	1	12	22	34					4		4	4	5	9
Essex	1		1	34	23	57				2	3		5	6	6	12
Frontenac	3		3	53	45	98				16	13		29	14	12	26
Glengarry	1		1	12	5	17	1		1	5			5	5	1	6
Grenville				14	11	25					1		1	1	2	3
Grey	1		1	57	43	100				13	5		18	10	10	20
Haldimand	1		1	21	8	29	1		1	5			5	2	1	3
Halton				15	12	27				1	2		3	1	1	2
Hastings	3		3	36	37	73				7	5		12	18	10	28
Huron	1		1	37	27	64				6	3		9	7	3	10
Kent	2		2	29	29	58				2	3		5	8	5	13
Lambton		1	1	31	24	55				4	4		8	9	8	17
Lanark	1		1	11	8	19				4	1		5	3	2	5
Leeds				17	14	31				6	3		9	4	4	8
Lennox and Add'g'n.				19	21	40				2	7		9	4	7	11
Lincoln		1	1	11	14	25				2	2		4	5	6	11
Middlesex	1	1	2	66	38	104				6	1		7	20	11	31
Muskoka District..	1		1	20	22	42				2	1		3	6	8	14
Nipissing District..	2	1	3	15	16	31				4			4	10	10	20
Norfolk				11	15	26				5	5		10	1	5	6
Northumberland ..	2	1	3	17	29	46				5	3		8	6	11	17
Ontario	1	1	2	43	37	80	1		1	7	1		8	7	15	22
Oxford	3		3	35	31	66				7	1		8	10	7	17
Parry Sound Dist..		1	1	5	6	11				1	1		2	1	9	10
Peel				11	26	37				3	3		6	3	13	16
Perth				19	26	45				7	2		9	2	10	12
Peterborough	1		1	23	30	53				7	5		12	8	10	18
Prescott				12	4	16				7	2		9	8	1	9
Prince Edward....	1		1	9	14	23								4	3	7
Rainy River District	2		2	4	1	5				1			1	2	1	3
Renfrew				20	26	46				1	5		6	6	10	16
Russell				4	7	11									6	6
Simcoe	3	5	8	98	91	189				15	7		22	21	34	55
Stormont	1		1	14	7	21				11			11	1	2	3
Sudbury		1	1		1	1									1	1
Thunder Bay Dist.				3	1	4				1			1	1	1	1
Temiskaming		1	1	1	2	3				1	1		2	1	1	2
Victoria	1		1	23	21	44				5	1		6	2	9	11
Waterloo	2		2	27	25	52				2			2	8	8	16
Welland				9	11	20					1		1	2	3	5
Wellington				28	25	53				2	2		4	2	10	12
Wentworth	3	2	5	69	78	147				3	8		11	20	42	62
York	51	15	66	338	301	639				33	14		47	157	153	310
Haliburton					4	4					1		1		4	4
Unascertained	2		2	21	19	40				2	2		4		6	6
Totals	98	42	140	1,523	1,417	2,940	4		4	231	157		368	450	537	987

TABLE No. 7.—ORILLIA

Showing hereditary tendency to Insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted during Year.		
	Male.	Female.	Total.
Paternal Branch	8	2	10
Maternal Branch.....	17	8	25
Paternal and Maternal Branches	8	4	12
Collateral Branches	19	5	24
No Hereditary Tendency.....	28	14	42
Unascertained	18	9	27
Totals.....	98	42	140

TABLE No. 8.—ORILLIA.

Showing summary of Probational discharges during the year.

	Male.	Female.	Total.
Number Granted Probational Discharge.....	13	6	19
Discharged, Recovered while on Probation.....			
" Improved " 	2		2
" Unimproved " 	2	1	3
Died.....			
Returned to Hospital.....	2	1	3
Absent on Probation on October 31st, 1918.....	7	4	11
	13	6	19

TABLE No. 9—ORILLIA

Showing the causes of death of patients who died during the year and since the opening of the hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid-Fever	1	2	3	18	19	37
Influenza.....	7	4	11	9	11	20
Cerebro-spinal Meningitis.....				3	10	13
Diphtheria		1	1	2	3	5
Erysipelas.....		1	1	3	3	6
Septicæmia.....				6	7	13
Dysentery	8	2	10	22	20	42
Syphilis				3		3
Tuberculosis.....	30	10	40	216	186	402
Other Infections				8	9	17
Constitutional Diseases:—						
Rheumatism				1		1
Arthritis Deformans.....				1		1
Diabetes Mellitus				2		2
Diseases of the Digestive System:—						
Mouth, salivary glands.....						
Pharynx.....					1	1
Tonsils.....				1	2	3
Œsophagus						
Diseases of the Intestines:—						
Diseases of the Liver	1		1	10	5	15
“ “ Pancreas.....				2	1	3
“ “ Peritoneum				33	22	55
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx.....						
“ “ Bronchi.....	1	1	2	13	9	22
“ “ Lungs.....	4	6	10	56	69	125
“ “ Pleura	1		1	10	2	12
Diseases of the Circulatory System:—						
Diseases of the Pericardium.....						
“ “ Heart.....	2	4	6	64	60	124
Arterio-sclerosis				2	2	4
Aneurism.....						
Diseases of the Blood and Ductless Glands:—						
Anæmia				8	9	17
Pernicious Auæmia				4	7	11
Leukæmia					2	2
Exophthalmic Goitre						
Diseases of the Genito-Urinary System ..						
	4		4	21	7	28
Totals —Carried Forward	59	31	90	523	469	992

TABLE No. 9—ORILLIA—Continued.

Showing the causes of death of patients who died during the year and since the opening of the hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Totals— <i>Brought Forward</i>	59	31	90	523	469	992
Diseases of the Nervous System:—						
Diseases of the Nerves.....				10	6	16
" " Spinal Cord.....	2		2	5	6	11
" " Meninges.....				2	9	11
Organic Diseases of the Brain. (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions).....	2	2	4	16	20	36
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria).....				1	3	4
Epilepsy.....	6	6	12	119	100	219
Mental Diseases:—						
Exhaustion of Acute Mental Disease.....					1	1
" " Chronic " " ".....				1	1	2
General Paresis.....		1	1	52	39	91
Intoxications:—						
Alcoholism.....						
Morphinism.....						
Metallic Poisoning.....						
Heat Stroke.....					1	1
Debility of Old Age.....	1	5	6	92	71	163
Accident.....				5	4	9
Suicide.....						
Surgical Diseases.....	2	1	3	17	11	28
Gynæcological Diseases.....						
Malignant New Growths, or Cancer.....		1	1	2	4	6
Totals.....	72	47	119	845	745	1,590

TABLE No. 10—ORILLIA.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium									
(b) Infection Delirium									
(c) Post Infection Psychoses									
Exhaustion Psychoses:—									
(a) Collapsed Delirium									
(b) Acute Confusional Psychoses									
(c) Neurasthenia									
Intoxication Psychoses:—									
(a) Acute Intoxications									
(b) Chronic "									
(a) Alcoholism (acute and chronic)							1	1	
(b) Delirium Tremens									
(c) Korsakow's Psychoses									
(d) Acute Alcoholic Hallucinosis									
(e) Alcoholic Hallucinatory Dementia									
(f) " Paranoia									
(g) " Paresis									
(h) Morphinism									
(i) Cocainism									
Thyroidogenous Psychoses:									
(a) Mixœdematous Psychoses									
(b) Cretinism									
Dementia Præcox:—									
(a) Hebaphrenic							1	1	
(b) Catatonic									
(c) Paranoid							1	1	2
General Paresis									
Organic Dementias:—									
(a) Cerebral Sclerosis									
(b) Huntingdon's Chorea									
(c) Multiple Sclerosis									
(d) Cerebral Syphilis									
(e) Tabetic Psychoses									
(f) Arterio Sclerotic Psychoses									
(g) Cerebral Tumor, Abscess, Hemorrhage									
Involution Psychoses:—									
(a) Melancholia									
(b) Pre-senile Delusional Psychoses									
(c) Senile Dementia	1	1					1	1	
Manic Depressive Psychoses. —									
(a) Manic States							1	1	
(b) Depressed States							1	1	
(c) Mixed States							3	3	
<i>Carried Forward</i>	1	1					1	9	10

TABLE No. 10—ORILLIA—Continued.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>		1	1				1	9	10
Paranoia									
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses.....	1	1	2		1	1		1	1
(b) Hysterical Psychoses.....									
(c) Sexualis Psychopathia									
States of Deficient Mental Development:—									
(a) Imbecility.....	75	28	103	9	3	12	26	15	41
(b) Idiocy.....	22	12	34	4	2	6	45	22	67
Not Diagnosed									
Not Insane.....									
Totals.....	98	42	140	13	6	19	72	47	119

TABLE No. 11—ORILLIA.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1918.	Periods of treatment of those who were discharged/recovered during the year.	Periods of treatment of those who were discharged/improved during the year.	Periods of treatment of those who were discharged/unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month		2			2	3
From 1 to 2 months.....		7			1	3
“ 2 “ 3 “		10		1		4
“ 3 “ 4 “		7			1	1
“ 4 “ 5 “		10				3
“ 5 “ 6 “		6				1
“ 6 “ 9 “		34		2	1	3
“ 9 “ 12 “		38			1	6
“ 12 “ 18 “		29		1		12
“ 18 months to 2 years		159		3	1	8
“ 2 to 3 years.....		48		1		3
“ 3 “ 4 “		33		2		3
“ 4 “ 5 “		48		2		3
“ 5 “ 10 “		158				16
“ 10 “ 15 “		130				10
“ 15 “ 20 “		87				11
“ 20 years and upwards.....		181				29
Totals		987		12	7	119

ANNUAL REPORT OF THE MEDICAL SUPERINTENDENT FOR THE
YEAR ENDING OCTOBER 31st, 1918.

To W. W. DUNLOP, Esq.,

Inspector of Hospital for Insane and Epileptics.

Parliament Buildings, Toronto, Canada.

Sir,—I have the honour to submit to you the Thirteenth Annual Report for the Hospital for Epileptics, for the year ending October 31st, 1918.

We had remaining in residence November 1st, 1917, 211 patients. We admitted during the year 23 males and 14 females, total 37 patients. Total number under treatment during the year 248, being 124 males and 124 females. Total number discharged during the year 14, being 10 males and 4 females. Discharged improved, 7; discharged unimproved, 7. Total number who died during the year 29, being 18 males and 11 females. We had remaining in residence October 31st, 1918, 205 patients.

IMPROVEMENTS.

Fire Escapes have been built in each of the four cottages, which will give us more avenues of escape in case a fire should break out in any of our buildings.

A hennery has been built 64x16 feet in dimensions. This is an up-to-date building for poultry. With this completed, we expect to be able to supply the institution with eggs and fowl.

This year we found it necessary to build another silo to meet our fodder requirements, and one was built with capacity for holding one hundred tons of ensilage.

We laid during the year 1280 rods of tile on the north farm, which puts this in good condition for cropping, and should increase the grain yield.

The exterior of two buildings was painted during the year, and a number of the rooms and corridors in the different cottages were also painted.

FARM AND GARDEN.

Returns from these were extra good except the potato crop, which was not up to the average, owing to the effect of blight. The garden returns were sufficient to meet our requirement during the summer months, and an ample supply for storage.

The following table shows our return from farm with the acreage given for each crop:—

64 acres	Hay	.....	100 tons
18 "	Corn	.....	245 "
5 "	Mangels	.....	4,600 bushels
24 "	Barley	.....	700 "
24 "	Spring Wheat	.....	400 "
31 "	Oats	.....	1,600 "

PATIENTS.

The hospital has been filled to the utmost capacity. Quite a percentage have made satisfactory improvement, and a number have been discharged during the year as improved.

CONCLUSION.

In conclusion, Sir, I wish to acknowledge your courtesy and promptness in all matters pertaining to the equipment and general work of the hospital.

I have the honour to remain,

Your obedient servant,

J. J. WILLIAMS,

Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE
HOSPITAL FOR EPILEPTICS, WOODSTOCK, FOR THE
YEAR ENDING OCT. 31st, 1918.

TABLE No 1—WOODSTOCK.

Showing movements of patients in the Hospital for the official year ending Oct. 31st, 1918.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	104	104	208			
In Residence Oct. 31st, 1917				101	110	211
Admitted during year 1918 —						
By Warrant						
By Medical Certificate	25	14	37	23	14	37
Total number under treatment during year				124	124	248
Discharges during year:—						
As recovered						
As improved	5	2	7			
As unimproved	5	2	7			
As not insane						
Total number discharged during year ..	10	4	14			
Died	18	11	29			
Deported						
Eloped						
Transferred				28	15	43
Remaining in Hospital, Oct. 31st, 1918..				96	109	205
Total number admitted since opening of Hospital				319	257	576
Total number discharged since opening of Hospital	124	81	205			
Total number died since opening of Hospital	95	64	159			
Total number deported since opening of Hospital						
Total number eloped since opening of Hospital						
Total number transferred since opening of Hospital	4	3	7	223	148	371
Total remaining in Hospital, Oct. 31st, 1918				96	109	205
Daily average population	99.93	107.90	207.84			
Collective days' stay of all patients in residence during year	36,477	39,386	75,863			
Number of applications on fyle						

TABLE No. 2—WOODSTOCK.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			In Residence.			Admissions since opening.		
	Male	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.									
Single	20	13	33	84	85	169	261	266	467
Married	3	1	4	10	24	34	56	51	107
Widowed				2		2	2		2
Divorced									
Separated									
Unascertained									
Totals	23	14	37	96	109	205	319	257	576
RELIGION.									
Baptists	2	1	3	7	11	18	22	23	45
Congregationalists				1		1	1		1
Church of England.....	10	4	14	25	31	56	77	72	149
Methodists	2	2	4	11	29	40	81	77	158
Presbyterians	5	4	9	28	23	51	70	49	119
Roman Catholics.....		2	2	8	7	15	28	20	48
Other Denominations.....	4	1	5	11	5	16	32	10	42
Unascertained				5	3	8	8	6	14
Totals	23	14	37	96	109	205	319	257	576

TABLE No. 3—WOODSTOCK.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions.....	23	14	37	319	257	576
Total born in Canada.....	13	8	21	256	201	457
Armenia						
Assyria						
Austria				1		1
Australia.....						
Belgium.....						
Bulgaria						
Central America.....						
China						
Denmark						
England.....	8	6	14	36	49	76
France						
Finland						
Galia						
Germany				3		3
Greece						
Holland						
Hungary						
Ireland.....				6	7	13
Italy						
Japan						
Macedonia.....						
Other British Possessions.....						
Norway						
Roumania						
Russia	1		1	2	2	4
Scotland	1		1	7	5	12
South America						
Spain						
Sweden						
Turkey.....						
United States				8	2	10
West Indies						
Unascertained						
Totals	23	14	37	319	257	576

TABLE No. 4—WOODSTOCK.

Showing the occupation of those admitted during the year and since the opening of Hospital.

Occupation.	Admitted this year.			Since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.....				5		5
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.....	2	3	5	25	7	32
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc..	1		1	51		51
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.....	2		2	19		19
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Composi- tors, Weavers, Tailors, Seam- stresses, Bakers, Factory Workers, etc.....				20	16	36
Domestic Service:— Waiters, Cooks, Servants, etc.....	1	1	2	4	37	41
Education and Higher Domestic Duties:— Governesses, Teachers, Students, Housekeepers, Nurses, etc.....	4	4	8	15	70	85
Miners, Marine Engineers, Railway Em- ployees, Seamen, etc.....				1		1
Laborers	3		3	81		81
No occupation.....	8	6	14	88	127	215
Unascertained	2		2	10		10
Totals.....	23	14	37	319	257	576

TABLE No. 5—WOODSTOCK.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.			
	Male.	Female.	Total.	Male.	Female.	Total.	Admitted during year.			Admitted since opening.			Male.	Female.	Total.	
							Male.	Female.	Total.	Male.	Female.	Total.				
Algoma District				2	2	4				1	1	2	1			1
Brant	3	1	4	11	8	19							6	3	9	
Bruce				5	4	9							3	1	4	
Carleton				6	8	14							2	2	4	
Dufferin	2		2	6	5	11							4	1	5	
Dundas				1		1										
Durham				3		3										
Elgin	2		2	8	5	13			1		1	4	2		6	
Essex	1		1	5	2	7						2			2	
Fronenac				4		4										
Glengarry																
Grenville				1	1	2										
Grey				4	6	10						2	3		5	
Haldimand				1		1			1		1					
Halton	1		1	5	1	6			1		1	2	1		3	
Hastings				6	3	9						1	1		2	
Huron		1	1	8	3	11						3	2		5	
Kent		1	1	4	4	8						2	4		6	
Lambton		1	1	12	10	22			1		1	1	3		4	
Lanark				2	1	3						2			2	
Leeds					3	3								2		2
Lennox and Addington					1	1										
Lincoln	1	1	2	7	3	10				1	1	2	3		5	
Middlesex	2		2	26	14	40			1		1	8	4		12	
Muskoka District					1	1							1		1	
Nipissing District				1	4	5							1		1	
Norfolk				4	3	7							1		1	
Northumberland				2	3	5							1		1	
Ontario		1	1	1	9	10						1	3		4	
Oxford		1	1	16	13	29						4	4		8	
Parry Sound Dist.					1	1							1		1	
Peel	1		1	1	1	2						1	1		2	
Perth				13	2	15						3	1		4	
Peterborough				3	3	6							1	2	3	
Prescott																
Prince Edward				2	1	3										
Rainy River Dist.					1	1							1		1	
Renfrew				1	1	2										
Russell				2	1	3						1	1		2	
Simcoe				10	8	18			1		1	1	4		5	
Stormont				5	2	7							1	1	2	
Thunder Bay Dist.				4		4			3		3	2			2	
Victoria				4	7	11			1		1			4	4	
Waterloo	1		1	14	3	17			2		2	2			2	
Welland				3	1	4			1		1		1		1	
Wellington				5	7	12							1	4	5	
Wentworth	1	1	2	17	20	37						6	10		16	
York	8	6	14	79	80	159			5	5	10	26	34		60	
Unascertained				5	1	6							1	1	2	
Totals	23	14	37	319	257	576				19	7	26	96	109	205	

TABLE No. 6—WOODSTOCK.

Showing the assigned causes of Insanity in the cases admitted during year.

Causes.	Men.	Women	Tot. l.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
Moral:—							
Adverse Conditions (such as loss of friends, business troubles, etc.)							
Mental Strain, Worry and Overwork (not included in above)...	1		1				
Religious Excitement							
Love Affairs, including seduction.							
Fright and Nervous Shock	1	1	2				
Physical:—							
Alcoholism							
Sexual Excess							
Veneral Diseases							
Masturbation							
Insolation							
Accident or Injury	3	2	5				
Pregnancy							
Parturition and Puerperium							
Lactation							
Climacteric Period							
Fevers							
Privation and Overwork							
Epilepsy							
Other Convulsive Diseases							
Diseases of Brain and Skull	1	1	2				
Senility	1		1				
Exophthalmic Goitre							
Epidemic Influenza							
Abuse of Drugs							
Loss of Special Sense							
Uræmia							
Other Auto-infection	1	1	2				
Other Bodily Diseases	2		2				
Hereditary:—							
Congenital Defect				1		1	
Unascertained	9	7	16	4	1	5	
Not Insane							
Totals.....	19	12	31	5	1	6	

TABLE No. 7—WOODSTOCK.

Showing hereditary tendency to Epilepsy in patients admitted during the year and since the opening of the Hospital.

	Admitted during Year.			Since Opening.		
	Male	Female.	Total.	Male.	Female.	Total.
Paternal Branch.....	1	.....	1	17	14	31
Maternal Branch .....	.....	.....	.....	21	14	35
Paternal and Maternal Branches .....	.....	.....	.....	6	8	14
Collateral Branches.....	.....	.....	.....	17	14	31
No Hereditary Tendency.....	13	7	20	202	163	365
Unascertained.....	9	7	16	56	44	100
Total.....	23	14	37	319	257	576

TABLE No. 8—WOODSTOCK.

Showing summary of Probational Discharges during the year.

	Male.	Female.	Total.
Number granted Probational Discharge	2	.....	2
Discharged, Recovered while on Probation.....	.....	.....	.....
Discharged, Improved " " .....	.....	.....	.....
Discharged, Unimproved " "	2	.....	2
Died .....	.....	.....	.....
Returned to Hospital .. " "	1	14	15
Absent on Probation on October 31st, 1918 .....	.....	.....	.....

TABLE No. 9—WOODSTOCK.

Showing the causes of death of patients who died during the year
and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever.....						
Influenza.....						
Cerebro-spinal Meningitis.....						
Diphtheria.....						
Erysipelas.....						
Septicæmia.....					1	1
Dysentery.....						
Syphilis.....						
Tuberculosis.....				3	1	4
Constitutional Diseases:—						
Rheumatism.....						
Arthritis Deformans.....						
Diabetes Mellitus.....						
Diseases of the Digestive System:—						
Mouth, salivary glands.....						
Pharynx.....						
Tonsils.....						
Œsophagus.....					1	1
Diseases of the Intestines:—						
Diseases of the Liver.....						
Diseases of the Pancreas.....						
Diseases of the Peritoneum.....					1	1
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx.....						
Diseases of the Bronchi.....				2	2	4
Diseases of the Lungs.....	1	3	4	8	10	18
Diseases of the Pleura.....						
Diseases of the Circulatory System:—						
Diseases of the Pericardium.....						
Diseases of the Heart.....				4	3	7
Arterio-sclerosis.....				1		1
Aneurism.....						
Diseases of the Blood and Ductless Glands:—						
Anæmia.....				2	2	4
Pernicious Anæmia.....						
Leukæmia.....						
Exophthalmic Goitre.....						
Diseases of the Genito-Urinary System						
<i>Carried Forward</i>	1	3	4	20	21	41

TABLE No. 9—WOODSTOCK.—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
<i>Brought Forward</i>	1	3	4	20	21	41
Diseases of the Nervous System:—						
Diseases of the Nerves.....						
Diseases of the Spinal Cord.....						
Diseases of the Meninges.....						
Organic Diseases of the Brain (Tumor, Abscess, Embolism, Thrombosis, Hemorrhage and other gross lesions).....		2	2	7	3	10
Functional Nervous Diseases (Par- alysis Agitans, Chorea, Eclampsia, Hysteria).....				2		2
Epilepsy.....	16	6	22	62	36	98
Mental Diseases:—						
Exhaustion of Acute Mental Dis- ease.....				1		1
Exhaustion of Chronic Mental Dis- ease.....				2	3	5
General Paresis.....						
Intoxications:—						
Alcoholism.....						
Morphinism.....						
Metallic Poisoning.....						
Heat Stroke.....						
Debility of Old Age.....						
Accident.....						
Suicide.....						
Surgical Diseases.....						
Gynæcological Diseases.....						
Malignant New Growths, or Cancer.....	1		1	1	1	2
Totals.....	18	11	29	95	64	159

TABLE No. 10—WOODSTOCK.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1918.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month.....	.....	1	.....	.....	1	.....
From 1 to 2 months.....	.....	1	.....	.....	3	.....
“ 2 “ 3 “ .....	.....	2	.....	.....	1	.....
“ 3 “ 4 “ .....	.....	4	.....	.....	.....	.....
“ 4 “ 5 “ .....	.....	4	.....	.....	1	.....
“ 5 “ 6 “ .....	.....	6	.....	.....	1	.....
“ 6 “ 9 “	1	9	.....	1	.....	1
“ 9 “ 12 “ .....	.....	10	.....	1	.....	1
“ 12 “ 18 “	2	13	.....	.....	.....	1
“ 18 months to 2 years..	2	15	.....	1	.....	.....
“ 2 to 3 years.....	1	17	.....	.....	.....	2
“ 3 “ 4 “	2	13	.....	1	.....	1
“ 4 “ 5 “	4	14	.....	2	.....	3
“ 5 “ 10 “	7	64	.....	1	.....	13
“ 10 “ 15 “	8	32	.....	.....	.....	7
“ 15 “ 20 “	5	.....	.....	.....	.....	.....
“ 20 years and upwards	5	.....	.....	.....	.....	.....
Totals.....	37	205	.....	7	7	29

Feeble-Minded in Ontario

TWELFTH REPORT

FOR THE YEAR ENDING OCTOBER 31st

1917

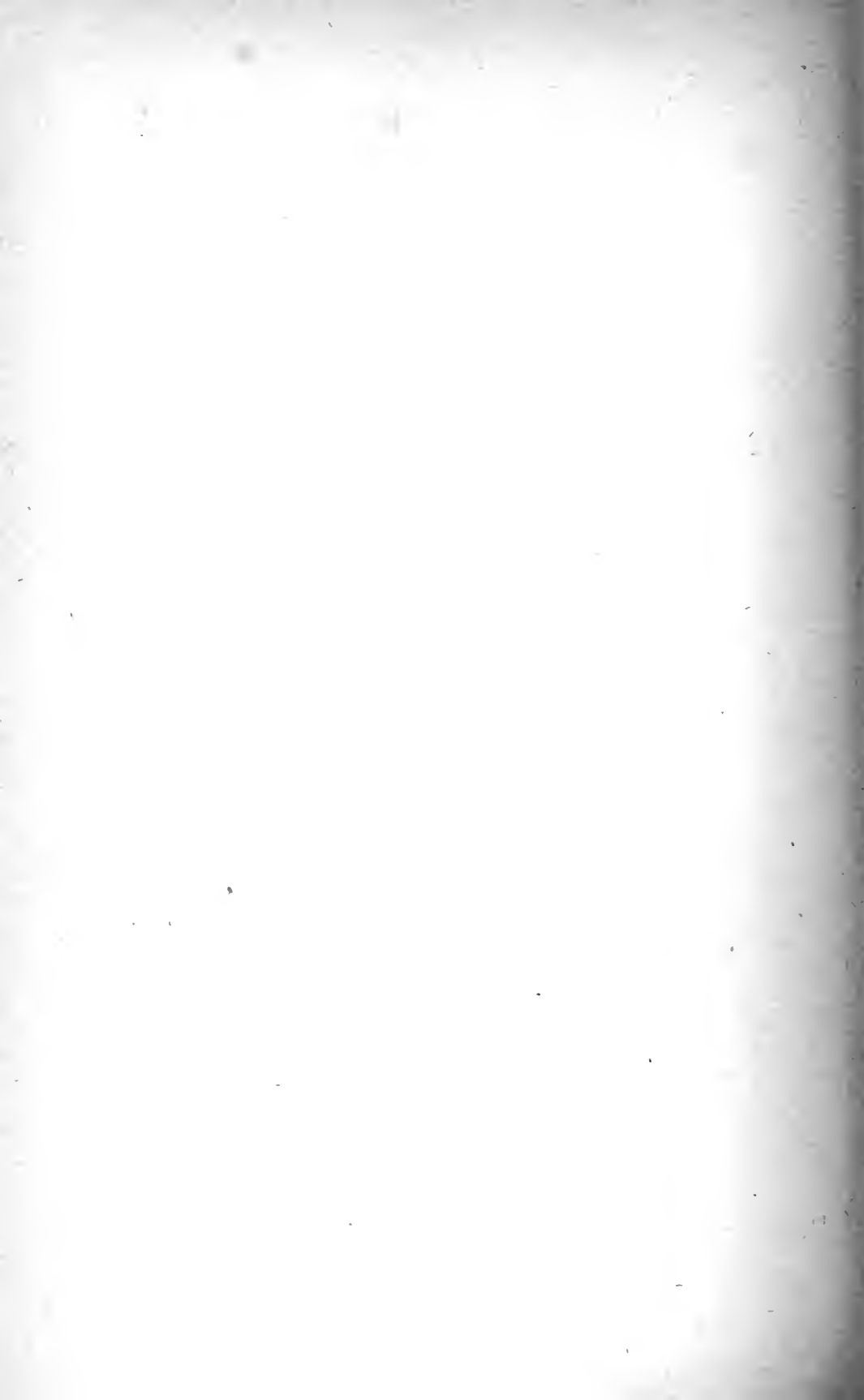
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1918



PARLIAMENT BUILDINGS, TORONTO, March 22, 1918.

To His Honour SIR JOHN STRATHEARN HENDRIE, C.V.O., a Colonel in the Militia of Canada, etc., etc., etc.

Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

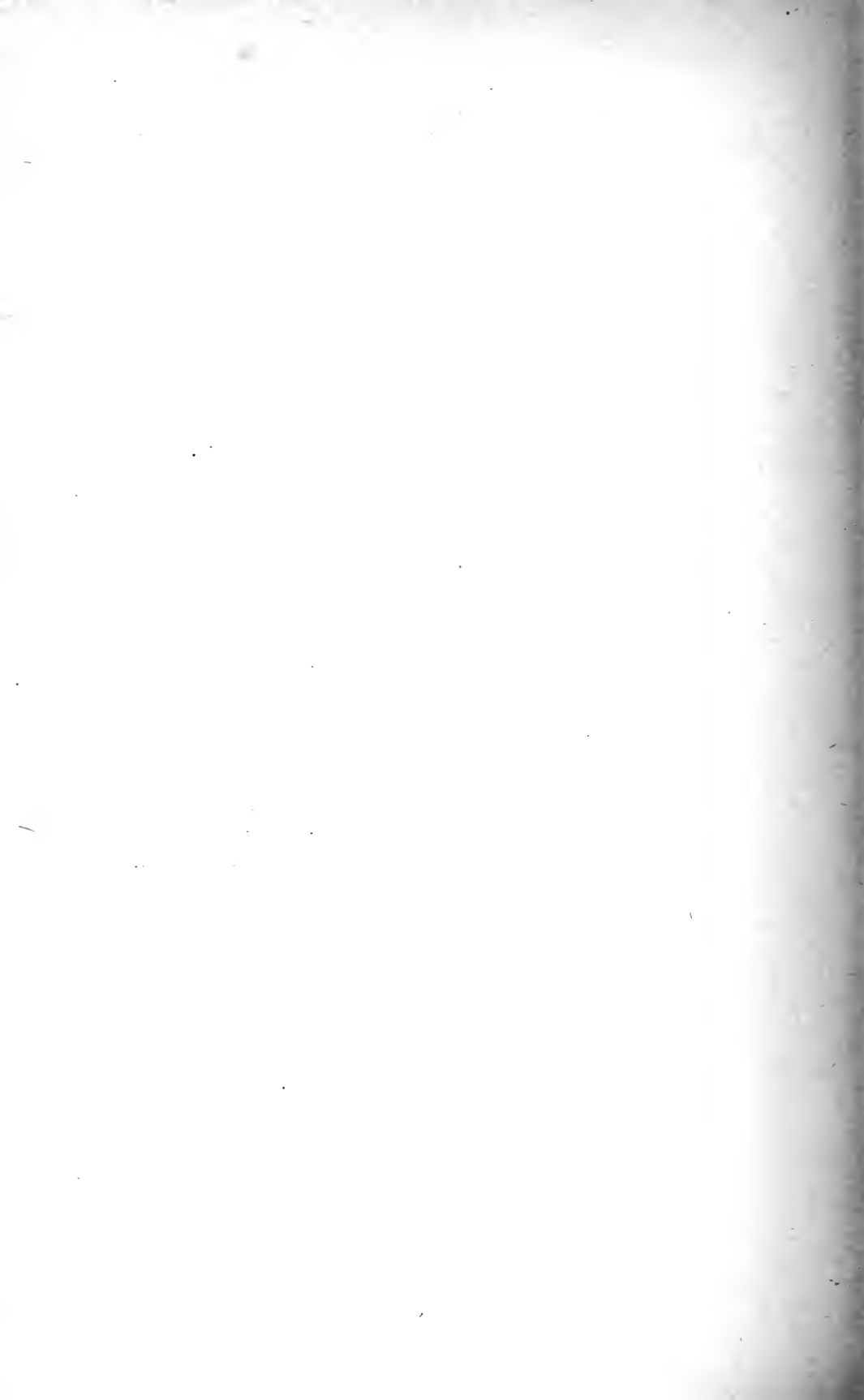
I beg to submit herewith the Twelfth Annual Report on the Feeble-minded in Ontario for the year ending October 31st, 1917.

I have the honour to be,

Your Honour's obedient servant,

WM. D. MCPHERSON.

Provincial Secretary.



OFFICE OF THE INSPECTOR OF THE FEEBLE-MINDED, ONTARIO,
PARLIAMENT BUILDINGS, TORONTO, March 18th, 1918.

SIR,—

I have the honour to transmit herewith, to be presented to His Honour the Lieutenant-Governor, the Twelfth Annual Report of the Feeble-minded in Ontario for the year ending October 31st, 1917.

I have the honour to be, Sir,

Your obedient servant,

HELEN MACMURCHY,

Inspector.

HONOURABLE WM. D. MCPHERSON, K.C., M.P.P.,

Provincial Secretary of Ontario.



TWELFTH ANNUAL REPORT ON THE CARE OF THE FEEBLE-MINDED IN ONTARIO

During the last ten years the essential facts of the situation in regard to dependent and delinquent members of the body politic have been becoming clearer. Democracy is beginning to think that for its own sake it must take care of those who are not fit for full citizenship or for parenthood. The removal of all political disabilities has directed more attention to inherent disabilities that cannot be removed.

The philanthropist knows that in some at least of the failures of life, the trouble has been not that these men and women *will not* be useful and independent citizens but that they and their children *cannot* be useful and independent citizens. They have not sense enough. Hence our charitable institutions increase and multiply.

The social reformer, whether interested chiefly in Prison Reform or in the cure of the so-called Social Evil, or in Venereal Disease knows now that it is the cause, not the symptoms that we should attack, and no one cause of these great evils can be more completely proved than Mental Defect. It is not the only cause, but no other single cause is a greater obstruction to every effort towards Social Reform.

The day of wondering and supposing and guessing has gone by. Mental defect is not a hypothesis. It is a fact. What are we going to do about it?

The time has gone by when we thought it was any use trying to deal with the burdens and problems of social life on any wholesale plan.

"Take my word for it, Sammy, the poor in a lump is bad" is nobody's motto now. We know that every human being should be dealt with as a human being, that is, as we would like to be dealt with ourselves, and that kindly consideration should be given to the desires and capabilities of each one as an individual.

"We recognize now that the success of efforts for the economic or social reconstruction of an individual depends chiefly upon that individual's personal resources and that among these resources none compare in its importance with his mentality. With a normal mind, severe physical and economic handicaps may be overcome; with a mind that is defective from birth or that has been damaged by disease, the best planned efforts at reconstruction are doomed to failure. Already there is abundant evidence that feeble-mindedness, mental disease and other maladjustments underlie an enormous proportion of the cases of dependency, criminality and inebriety which heavily tax the city's resources."*

EMPLOYMENT FOR MENTAL DEFECTIVES IN A SUITABLE INSTITUTION.

Mental defectives have great industrial possibilities. Given only adequate supervision of the right kind, an officer with a genius for encouragement, and with some knowledge of simple industrial occupations can develop the powers of the inmates of an institution adapted for mental defectives to a wonderful extent. Of course farm and garden work is the most successful employment of all for mental defectives.

*Dr. Herman M. Adler, Assistant Professor Psychiatry, Harvard University.

Out in the world very few mental defectives can support themselves. Their standards are low, or none; they cannot keep a place any time; they have not the habits of punctuality, regularity and industry indispensable to success, and they have neither the knowledge nor the ambition that commands success. It is not their fault, they are only children.

C. S. Rossy, Industrial Psychologist to Sing Sing prison, finds that of 150 mentally defective men who had been confined in state institutions, 37 had been common laborers: 22 had done house and hotel work, such as acting as butlers, waiters, cooks, etc.; 20 had worked as chauffeurs, drivers and teamsters; 7 had been farmers; 22 had worked as shop hands; 5 as rag pickers and peddlers; 7 as tailors and pressers; 30 engaged in mechanical trades.

The following data with regard to their mental ages were determined by the application of the Yerkes-Bridges point scale: of these 150 men, three possessed a mentality of seven years; 14 a mentality of eight years; 29 a mentality of nine years; 22 a mentality of ten years; 69 a mentality of eleven years; and 13 a mentality of twelve years.

In correlating the mental ages of these individuals with the types of occupations in which they had engaged we find that the subjects possessing the highest development of intellectual ability had been engaged as chauffeurs, clothing cutters, electricians, nurses, and painters. Most of the subjects having a low grade intelligence had been working as shop hands, farmers, laundry-men and peddlers. Of the peddlers, not one had a mentality of over ten years. For the group of common laborers and the group of factory hands, the average mentality in each case was also ten years. A fairly high mentality was found among men with trades, such as shoemaking, carpentry and bricklaying.

If we use these statistical data as a basis for a conjecture, we can say that, of the adult mental defectives engaged in economic activities, 15 per cent. are found doing factory work. In almost every manufacturing concern we meet cases of intellectual defectiveness, and these are, as a rule, the most costly employees to the factory. They are unsystematic in their methods of work, neglectful, and forgetful of their duties; they show little sense of responsibility, are noted for their lack of punctuality, and evince a readiness to leave their tasks irrespective of consequences, at the slightest dissatisfaction. On account of this instability, the intellectually defective employee always causes the company an increase in the natural turnover of labor, and likewise an increase in the expense of maintenance.

Railway companies and other employers of large numbers of men, are beginning to realize that it would save money, prevent accidents, and add to the efficiency of the work, if, in connection with the employment office, every applicant for employment were carefully examined as to his mental and physical condition, as well as his social history, so that the applicant can be placed at work for which he is really fitted, and in which he can succeed, or, if not fitted for the work, may be spared failure and trouble. If only employment offices could in some way make the knowledge so obtained available for the good of the individual and the public, a great deal would be gained."

WHAT IS THE NUMBER OF THEM?

One of the most important questions in regard to dependent or delinquent members of any community is—"What is their number, and what percentage do they form of the entire population?" This has been considered by practically

every inquiry or commission concerned with such questions. A considerable body of evidence on this point was gathered by King Edward's Royal Commission, appointed in Great Britain in 1904. These results are authoritative and well-known.

MODERN DEVELOPMENTS.

There is slowly developing the model of a new type of Institution for Mental Defectives, with an "out-patient" department, as it were, in the organization of which special provision could be made for the safety, care and education of Mental Defectives who are of the type that may be allowed to remain at home with safety and advantage to themselves and the community, provided they have the care, guardianship and supervision which they require.

This can be done in co-operation with schools, social agencies and families.

ETIOLOGY.

Research into the causation of mental defect is slowly proceeding. The results of an examination *of 1,134 feeble-minded inmates of the Michigan Home and Training School show that 240, or 21.16 per cent. present "the characteristics of various glandular syndromes. Of these glandular cases in the feeble-minded, heredity stands out as the foremost factor in the etiology."

It is also stated that glandular disease coexists with the feeble-mindedness, and is not the cause, but may determine the increase of both somatic and mental defect; and, in the glandular types of feeble-mindedness, cases treated for the glandular trouble have shown both physical and mental improvement.

PREVENTIVE WORK.

There is a general feeling in the community, especially among those who work for the reclamation of young offenders, that preventive work does not receive sufficient attention, especially in regard to young girls and boys on the streets.

In some of the cities of Ontario, women have been appointed police officers, and their attention is frequently directed to girls and boys who are quite young, and whose conduct causes anxiety. If they had the necessary authority and qualifications, and were required to study these cases from a preventive point of view, and assist the families and friends of the children whose future is thus in danger, a great deal of benefit would result; and any who might be mental defectives could be recognized and properly cared for before they have become delinquents.

THE GRAND JURY.

On the 17th of November, 1916, Mr. W. A. Littlejohn, City Clerk, Toronto, forwarded to Mr. J. K. Macdonald, President of the Children's Aid Society, an extract from the Presentment of the Grand Jury at a recent sitting of the Court of Criminal Assize, which included the following reference to mental defectives:

"We would recommend that the children who are mentally defective, now in the Children's Aid Society Home, be removed to the proper institution."

*McCord and Haynes, N.Y. Medical Journal, Mar. 31, 1917.

INCENDIARISM.

It is not often that a year passes without a record of incendiary fires in this Province, started by some mentally defective person,—often a child.

On the 18th April, 1917, a mentally defective boy, who had been repeatedly before the Juvenile Court in one of our cities, was seen around a small barn within the limits of the city, and a few minutes afterwards the barn was on fire; a horse being so injured in the fire that it had to be destroyed.

Shortly before this, and not far away from the home of the same mentally defective boy, another fire was started, and but for the bravery of a young man who put it out, a large part of that city might have been destroyed.

After the fire on the 18th April, this mentally defective boy confessed that he had set fire to both these buildings. When the Fire Chief of the city visited the boy, he confessed that he had caused five other fires in addition to the two already mentioned, and gave a clear explanation of how, when, and where he did so.

The boy appeared to be gentle and good-natured, and when asked why he had caused these fires, he replied that it was "In the show" that the idea came into his mind, mentioning the names of the two films which, according to his story, had created this longing in his mind. This statement he repeated to the Judge of the Juvenile Court, saying he "Wanted to see the fire reels."

The boy was sent to an Industrial School on May 8th, 1917.

PROVINCIAL ASSOCIATION FOR THE CARE OF THE FEEBLE-MINDED.

The Annual Meeting was held in the City Hall, Toronto, on February 1st, 1917, the President, Col. J. E. Farewell, K.C., of Whitby in the Chair. Col. Farewell in his Presidential address made an able and effective plea for the objects of the Association. Dr. J. T. Page, the Chief Medical Immigration Inspector, spoke on "Feeble-mindedness in Relation to Immigration," advocating reforms in the Medical Immigration Service, so that mentally defective persons should not be allowed to enter Canada, as they do now. Reports from the Auxiliary Associations at Toronto, Hamilton, Ottawa were given and the following officers elected:—

<i>Hon. President</i>	DR. P. H. BRYCE, Ottawa.
<i>President</i>	DR. F. J. CONBOY, Toronto.
<i>1st Vice-Pres.</i>	MRS. A. M. HUESTIS, Toronto
<i>3rd " "</i>	MISS ROSE PATTON, Ottawa.
<i>4th " "</i>	J. R. MCNEILLIE, Lindsay.
<i>Sec. Treas.</i>	DR. C. M. HINCKS, Toronto.

A large deputation from the Association waited upon the Premier, Sir William H. Hearst, at the Parliament Buildings. The President of the Association, Dr. F. J. Conboy, the Secretary, Dr. C. M. Hincks and the President of the Toronto Association, Dr. C. K. Clarke, made addresses on the need for the care and control of Mental Defectives in Ontario, and laid before the Premier a plan to establish an Industrial Farm and School Colony for Toronto.

The Premier "pointed out to the deputation certain matters in the scheme presented by them that appeared to merit further consideration."

After further discussion and consideration the Premier promised that the request would receive the consideration of the Government and on February 13th, 1917, the following communication was made by the Premier to the Association.

"So far as your request for financial aid is concerned, the Government is prepared and willing to meet your demand and make a grant of \$50.00 per annum for each pupil maintained in an Institution of the character mentioned in the communication referred to and more particularly described in the address of your self and others on occasion of the deputation above referred to.

This payment will, of course, be subject to proper control and inspection by the Government. The points mentioned and particularly one of them, to my mind, present real difficulties, and I am anxious to hear further from you with respect to them. The Government is most anxious not to place any obstacles in the way of your laudable desire to make all progress possible towards the solution of this most important and difficult problem.

Assuring you of the deep interest of myself and colleagues in the important work you have in hand and wishing you all success in the completion of the best scheme possible, I am,

Yours sincerely,

(Signed) W. H. HEARST.

On June 20th, 1917, another deputation from the Provincial Association for the care of the Feeble-minded waited upon the Hon. W. D. McPherson, Provincial Secretary, and Hon. Dr. Pyne, Minister of Education, to ask that a Royal Commission be appointed on the Care of the Feeble-minded in Ontario, to ascertain the number of mentally defective persons and the menace caused by them, and to prepare the necessary legislation.

Dr. Conboy spoke of the need, menace, burden, and numbers in asylums, prisons, reformatories, charities and schools.

Mr. Wills of Hamilton; Col. Farewell of Whitby; Dr. Bryce of Ottawa; Rev. Canon Plumpton; Rev. Father Minehan, and Mrs. Huestis of Toronto, also spoke.

Hon. Mr. McPherson said that he would bring the request before the Government as soon as possible, and suggested that the Association should take steps, with similar associations in other provinces, to bring this matter before the Dominion Government, so that the immigration of mentally defective persons might be prevented.

THE TORONTO BRANCH.

The Toronto Branch of the Provincial Association for the Care of the Feeble-minded was formed in April, 1916, by a number of citizens interested in the question, including, besides members representing the Public Charities, Settlements, and Social Workers, the Medical Profession, the Local Council of Women, the Board of Education, etc., the members of the Advisory Committee on the Feeble-minded, appointed, in April 20th, 1915. After an enthusiastic organization meeting held in the Council Chamber of the City Hall, sub-committees were formed and continued their work throughout the summer.

A plan involving utilization of part of the land of the Municipal Farms and co-operation between the Provincial Government and the City of Toronto to provide for the care of mental defectives in Toronto was one of the results of this work. The City Council, the Board of Education and the Board of Control gave support to this plan and promised their assistance in carrying it out.

On Thursday, November 23rd, 1917, a Committee of the Association waited on the Hon. Dr. Pyne, Minister of Education, to lay before him a plan for the care of mentally defective children in Toronto. The members of the Committee present were—Dr. C. K. Clarke, Mr. J. K. Macdonald, Mrs. Huestis, Dr. C. M. Hincks and Dr. Gordon Bates.

The proposal of the Committee was that some part of the Municipal Farms should be appropriated to the purpose of caring for feeble-minded children, both boys and girls: that provision be made for 500 girls and 500 boys: that the institution be placed under the Superintendent of the Municipal Farms; that the City contribute for maintenance \$100.00 per year per pupil: that the City erect the buildings; that the Government give a grant of \$50.00 per year per capita for maintenance.

The Minister promised that consideration would be given to this proposal.

It was further pointed out that the proposal was to establish institutions of the Industrial Farm Colony Type, one for boys and one for girls. The boys' buildings would be in the neighborhood of the Industrial Farm for Men, in Markham Township, and the girls would be located on the eastern portion of the Women's Industrial Farm. The Toronto City Council, it was stated, had consented to set apart sufficient land for this purpose. The Board of Education was willing to give \$100.00 per annum for the maintenance and support of each pupil it sent. An effort would also be made to get the Separate Schools to contribute. The deputation asked the Provincial Government for a grant of \$50.00 per pupil, per annum.

At the Session of the Legislature in 1917 the City of Toronto was granted permission to erect suitable buildings for an institution for the care of feeble-minded children on the Industrial Farm and to issue debentures to the amount of not more than \$150,000 to meet the cost of the work, without submitting a by-law to the ratepayers.

The Toronto Association has had a successful year and has carried on its efforts to educate the public through the press, and also by means of public meetings, regular meetings of the Executive and the Association, sometimes in co-operation with the Academy of Medicine and other organizations, and also by publications. One of the publications contains the following:

“The first year's work was crowned with success and justified the existence of the Association. Financial assistance has been given by it to the Psychological Laboratory of the University of Toronto, to carry on important investigations in connection with the problem. Through the press and on the platform the public has been aroused to a realization of the gravity of the situation. When the Association requested the City Council to set aside \$150,000 and two tracts of land for the establishment of farm colonies for the care of 500 mentally defective children, the request was granted. The Provincial Legislature was prevailed upon to provide \$50.00 per pupil per annum towards maintenance charges.

The local situation demands that the adult problem be solved, that laws concerning mental defectives be amended, that Police Court procedure include a mental examination as a part of the routine handling of cases. It behooves the Provincial Legislature to appoint a Royal Commission for the investigation and solution of the whole problem as it affects Ontario. It is the duty of the Dominion Government to see to it that defective immigrants are barred out of Canada.”

THE ACADEMY OF MEDICINE.

The Section of State Medicine of the Academy of Medicine held an open meeting on the 30th of November, 1916, at which addresses were given by Dr. C. K. Clarke, Dr. C. M. Hincks, Miss Brooking, Superintendent of the Alexandra Industrial School, Miss M. J. Clarke, of the Central Neighborhood House, Prof. Peter Sandiford of the Faculty of Education, University of Toronto, Dr. F. J. Conboy, Dr. Horace Brittain, and the Inspector of Feeble-minded.

Dr. Gordon Bates, chairman of the Section, presided, and there was a large attendance.

The results of the work of the Psychiatric Clinic at the Toronto Hospital were placed before the audience. There have now been 1,445 persons examined at this clinic, and out of this number 59 were found to be incendiaries, 285 habitual thieves, and 120 inclined to homicide. Dr. Conboy presented the suggestions of the Association for the care of the Feeble-minded, Toronto Branch, as follows:—

1. "The establishment of two institutions of the Industrial Farm Colony type, with buildings on the cottage plan, one for boys and one for girls, accommodating in all about 500 pupils; buildings to be simple, inexpensive, and as fire-proof as possible; location of Boys' Colony to be on the second concession of Markham, one and a quarter miles east, and three quarters of a mile north of the Men's Industrial Farm Building and half a mile north of the site set aside for the Aged Men's Home; location of Girls' Colony to be on Bathurst Street one and a quarter miles east of the Women's Farm Building which is on Dufferin street. The site for the Aged Women's Home is midway between the Women's Farm building and the Girls' Farm Colony.

2. Both these sites are now owned by the city, and we are asking the City Council to set aside a sufficient amount of land for this purpose, to erect the necessary buildings, and to place the colonies under the Industrial Farm management.

3. As a large number of pupils will come from the Public Schools, we request them to appoint a psychiatrist, who will act in conjunction with the Chief Inspector, and determine what pupils shall be allowed to attend the farm colony. We also ask the Board of Education to contribute \$100 per annum for each pupil sent to the colony.

4. That the Separate School Board be urged to make the necessary provision for sending the feeble-minded of the Separate Schools to the colony, and pay \$100.00 per pupil per annum for maintenance."

5. That the Provincial Government, having provided in auxiliary classes, Sec. 13, for a special grant for this purpose, fix the amount of the grant at \$50.00 per annum for each pupil in the institution."

Dr. Horace Brittain, Secretary of the Board of Municipal Research, said that probably \$35,000 of public money was lost in the effort to teach mentally sub-normal children in the public schools of Ontario. The following resolution was passed:— /

"Resolved that this meeting of the Section of State Medicine in the Academy of Medicine express its appreciation and hearty endorsement of the work undertaken and results achieved by the Toronto Branch of the Provincial Association for the Care of the Feeble-minded, and desires to go on record as advocating

increased institutional care for the mentally defective at the earliest possible date. It is also moved that a copy of this resolution be forwarded to

1. The Mayor of Toronto and members of the Board of Control.
2. The members of the Board of Education.
3. The members of the Provincial Cabinet.

THE HAMILTON BRANCH.

The Hamilton Branch of the Provincial Association for the Care of the Feeble-minded, was organized on May 16th, 1917, at a large and influential meeting in the City Hall, presided over by the Mayor. The Hamilton Press rendered great assistance to the cause of the Mentally Defective by giving excellent reports of the meeting and treating the subject in the way which its importance deserves.

The Hamilton Herald says: "The desire, long felt in the city, that something should be done in the matter of caring for the feeble-minded, took a practical form last night, when a representative meeting of citizens was held in the Council Chamber."

The Hamilton Times says: "Doctors, lawyers, clergymen and men in many other walks of life, together with numerous ladies, gathered in the council chamber of the City Hall last evening. They went there with the desire to hear about the feeble-minded, and departed after listening to Dr. Helen MacMurchy, Provincial Inspector of Feeble-minded, and Dr. Clarence M. Hincks, Honorary Secretary of the Provincial Association, and setting the wheels in motion for a local branch of the association. Mayor Booker presided."

The Hamilton Spectator gives the addresses of Mr. John Allan, M.P.P., Mrs. Robert Evans, Mrs. P. D. Crerar, Rev. W. H. Sedgwick, Sheriff Middleton, and Mr. T. H. Wills, and concludes the report as follows:

"Mr. T. H. Wills made an excellent speech. The problem under discussion, he said, was a moral cancer in the body politic and should be dealt with as such. Mr. Wills then moved the following resolution, which was seconded by Mrs. Robert Evans: That in the opinion of this meeting of representative citizens, it is advisable and in the best interests of the City, that a local branch of the Provincial Association for the Care of the Feeble-minded be formed and that a committee for that purpose be forthwith nominated.

Mr. T. H. Wills, unanimous approval of whose valuable work was expressed by hearty applause, was made convenor of the committee, Rev. W. H. Sedgwick and Dr. Glassco being the mover and seconder of the motion."

A further meeting to complete the organization was held on June 4th, 1917, Mr. John Allan, M.P.P. being in the Chair.

A Constitution and By-laws were adopted and the following officers elected:

<i>President</i>	JUDGE GAULD.
<i>Vice-Presidents</i>	MRS. ROBERT EVANS, MRS. P. D. CRERAR, MRS. URQUHART, SHERIFF MIDDLETON, DR. G. S. GLASSCO, W. H. LOVERING.
<i>Hon. Treasurer</i>	MRS. HILDA SAVAGE.
<i>Hon. Secretary</i>	T. H. WILLS.

The following committees were appointed: Educational, Medical, Finance, Publicity, Membership, Legislation, every member of the general committee being placed upon one or more of these standing committees.

A resolution in favor of a Royal Commission to inquire into the whole question of mental deficiency so far as it affects the Province of Ontario, was unanimously adopted, and the President and John Allan, M.L.A. were appointed to wait on the Provincial Secretary to ascertain the Government proposals on this question.

On July 13th, 1917, a deputation of the Hamilton Association waited upon the Board of Education. The deputation was headed by Judge Gauld, the President of the Association, and Mr. T. H. Wills, Secretary, who addressed the Board on the work and plans of the Association.

Trustees Cunningham, McIlwraith and Hutchison were appointed a committee to consider the requests made by the Association, that a psychiatric clinic on the lines of that conducted at the Toronto General Hospital be established for the examination and classification of children who may be thought to be more or less mentally defective, and that the Board of Education and the Separate School Board be asked to co-operate by facilitating such examination: and also by providing such accommodation as may be required for the training of such mental defectives in special classes.

THE OTTAWA BRANCH.

The Ottawa Branch of the Provincial Association for the Care of the Feeble-minded was organized in February, 1917. Arrangements were made to establish a Central Clinic at Ottawa for the examination of mentally defective children at the General Protestant Hospital, Rideau Street, under the direction of Dr. Argue and Dr. Gliddon. The Clinic was opened on March 9th, 1917.

The Association has secured a grant of \$150.00 for the necessary equipment.

THE PSYCHIATRIC CLINIC.

The Psychiatric Clinic, held every week in connection with the Social Service Department of Toronto General Hospital has again increased and extended its work during the year, as the following statistics and quotations from the Annual Report will show.

"We co-operate extensively with outside organizations, giving such help as is required from a medical institution, that is to give a physical, mental, or moral diagnosis that would enable them to deal intelligently with these problems. This includes such organizations as the Department of Public Health, the courts, the relief societies, the churches, the schools, employment bureaus, and all other agencies working for human betterment.

PSYCHIATRIC WORK.

Total number of cases	1,549
Diagnosis—	
Moron	437
Imbecile	478
Idiot	25
Insane	207
Backward	191
Epileptic	21
Deaf and Dumb	6
Cretin	3
Normal	150

Source of Case—

Juvenile Court	662
Institutions—The Haven, Industrial Refuge, Presbyterian Home, Protestant Orphanage, Boys' Home, Girls' Home.....	149
Out-Patient and In-Patient Dept. of General Hospital	143
Medical Inspection of Schools	58
Children's Aid Society	57
Dept. of Public Health	51
Private Source	51
Social Agencies	21
Patriotic Fund and Military Authorities	26
Out of town	12

Of the total number of 1,549, there are from

Canada	783
England	371
Russia	104
Scotland	84
United States	38
Ireland	28
Poland	18
Italy	9
Wales	8
Galicia	5
India	3
Austria	4

During the past year a Psychological laboratory was inaugurated at the University of Toronto with Doctor C. K. Clarke as chief of the staff, and associated with him are Dr. C. M. Hincks, Professor W. G. Smith, and Members of the Staff of Psychology of the University.

The function of the Laboratory is to investigate cases of juvenile mental abnormality referred from the Psychiatric Clinic, and to try out methods of treatment for these cases and note results. All findings are at the disposal of students interested in mental abnormality.

The Juvenile Court has sent to the Psychiatric Clinic 662 cases, and of these 489 who were formerly considered incorrigible, bad or immoral, are now recognized as feeble-minded and not responsible for their actions; but with this diagnosis of feeble-mindedness the Judge of the Court meets one of his greatest problems."

"In three years at the Psychiatric Clinic, over 2,498 people have been examined, 491 of whom were insane and 1,835 feeble-minded. Only 255 of these have been placed in institutions. Many of the remainder figure continually in Juvenile Court, Police Court, the Jail Farm, the Mercer, the Haven, the Rescue Homes, the Hospitals, and Sanitoria, to the detriment of these institutions and to their own hurt.

In two and a half years there have been 351 babies illegitimately born in the Burnside Hospital."

It may be noted that applications are becoming much more frequent for the care of mentally defective children who are quite young, perhaps because more is known about this subject than was the case a few years ago.

MENTAL DEFECT AND VENEREAL DISEASE.

The Statement presented to the Conservation Commission, Dominion Government, by the Faculty of Medicine, of the University of Toronto, on this subject, which is closely connected with the subject of Mental Defect, has helped materially to awaken public opinion. The Academy of Medicine has also given its influence to this movement, the Presidential Address this year containing reference to it and to the well known fact that a great proportion of unfortunate women afflicted with these diseases "are definitely feeble-minded." The proper care of mental defectives would help to put an end to Venereal Disease.

ONTARIO MEDICAL ASSOCIATION.

At the thirty-seventh Annual Meeting the following Resolution was passed:
Resolved: "That the Ontario Government should appoint a Royal Commission to make inquiry into the subject of the care of the feeble-minded and insane in the Province of Ontario to the end that more adequate means may be adopted for dealing with the problem of prevention and of scientific treatment of the insane and feeble-minded."

ONTARIO WOMEN'S INSTITUTES.

At the annual convention of the Women's Institutes for Western Ontario, in London, November 16th, 1917, a resolution was passed in regard to the urgent necessity to care for all feeble-minded children and adults, especially those who are suffering from certain diseases.

SYNOD OF THE DIOCESE OF TORONTO.

On Sunday, June 17th, 1917, at the request of the Bishop of the Diocese of Toronto, Canon Plumptre and other clergymen referred from the pulpit to the great need of having provision made for the care of the feeble-minded. Canon Plumptre said that a resolution of the Synod on this subject had already been presented to the Government and urged his congregation to do all in their power to influence public opinion in this direction as the Government could only act in compliance with the wishes of the people.

The following is the resolution referred to, passed by the Synod on June 8th, 1917:

"That this Synod heartily endorses the proposals of the Provincial Association for the Care of the Feeble-minded that a Commission be appointed by the Government for the investigation of the whole subject."

SOCIAL SERVICE COUNCIL OF CANADA.

On February 9th, 1917, the Social Service Council of Canada passed the following resolution:—

"That the Ontario Government be earnestly urged without delay to provide adequate protection for the care of the feeble-minded, and in particular for the care of feeble-minded women of child-bearing age."

THE TORONTO CONFERENCE OF THE METHODIST CHURCH.

The Conference at its Annual Meeting in June, 1917 passed the following resolution:—

“We affirm the principle of segregation for the feeble-minded. It is a necessity in the interests of public morals that all feeble-minded boys and girls should be placed in institutions under the most helpful and scientific supervision.”

CANADIAN MEDICAL ASSOCIATION.

At the Annual Meeting of the Canadian Medical Association in Montreal, June 15th, 1917, the following resolution was passed in the meeting of the Section of Medicine:—

“That inasmuch as proper provision for the suitable training and permanent care of mentally defective persons is urgently needed, not only in the best interests of such persons and their families, but for the National Welfare, this section would therefore request the General Council to take whatever action they may deem advisable in this matter, such as appointing a special committee to report upon this subject at the next Annual Meeting of the Canadian Medical Association.”

CANADIAN PUBLIC HEALTH ASSOCIATION.

The influence of Mental Defectives on the Public Health was one of the subjects discussed at the Annual Meeting of the Association in Ottawa on September 28th, 1917. A paper on the above subject was presented by the Inspector of Feeble-minded and a general discussion took place in which Dr. C. J. Hastings of Toronto, and others, supported the view that the influence of Mental Defectives on the work of Public Health was to increase the cost of such work and decrease its deficiency.

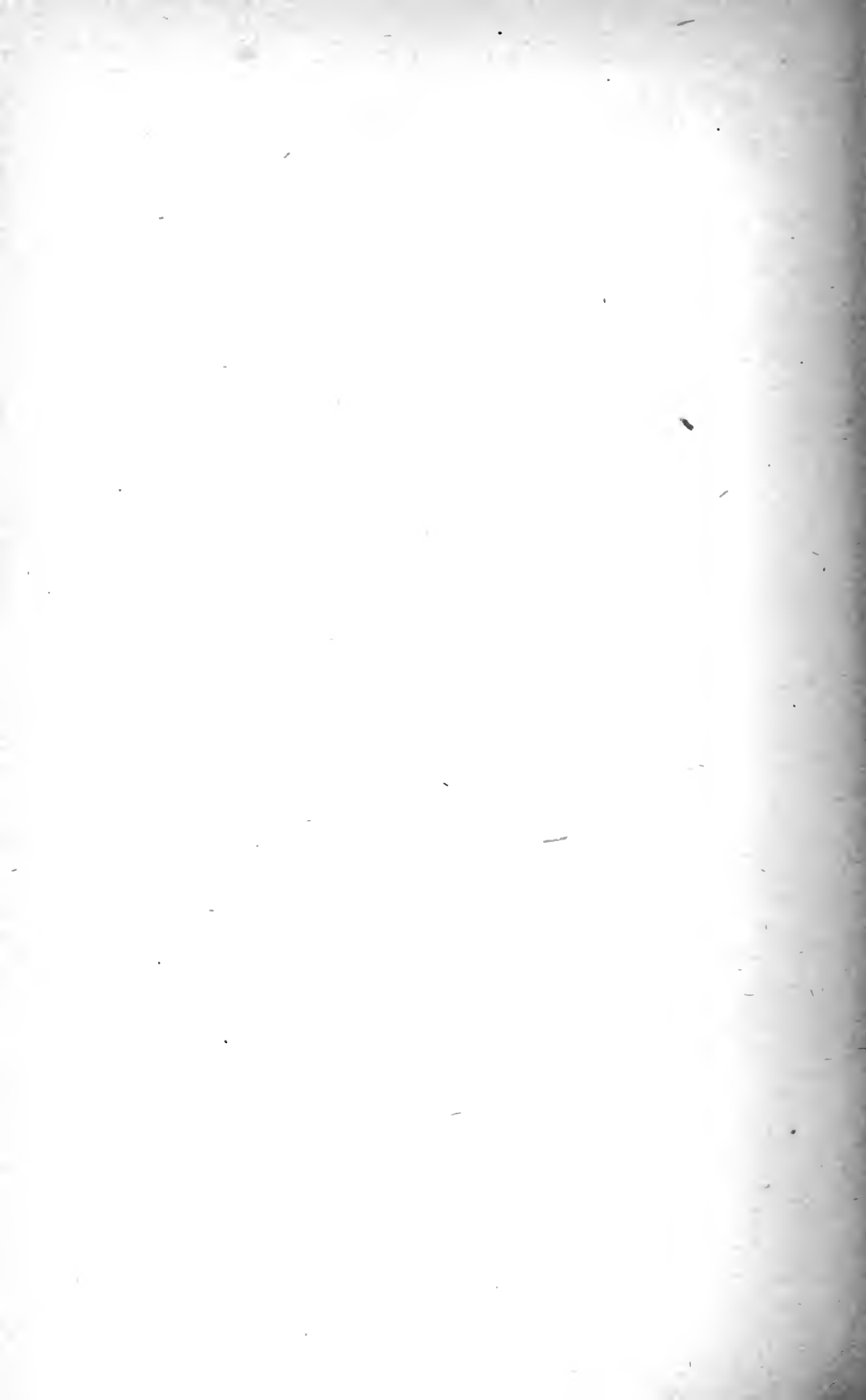
CANADIAN CONFERENCE OF CHARITIES AND CORRECTION.

At the Annual Meeting at Ottawa on September 24th, 1917, the need of legislation dealing with the Feeble-minded was presented in a paper by Dr. C. M. Hincks of Toronto, and carefully discussed by the meeting, the general feeling being that further legislation is necessary.

THE UNIVERSITIES.

The Canadian Universities have greatly helped to create public opinion as to the importance and necessity of caring for mental defectives. Members of the staff of McGill University, Montreal; Professor Carrie Derick, Dr. Gordon Mundie and others; the Department of Pedagogy at Queen's University, through the Dean, Professor Coleman, and the University of Toronto, through the President and the Alumnae Association, have organized lectures and given their patronage and influence to the movement, thus rendering it vastly more effective and acceptable to the general public. The action of the Department of Psychology of the University in relation to the work of the Toronto Branch of the Ontario Association for the Care of the Feeble-minded is a striking instance of this.





Feeble-Minded in Ontario

THIRTEENTH REPORT

FOR THE YEAR ENDING OCTOBER 31st

1918

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



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PARLIAMENT BUILDINGS, TORONTO.

To His Honour SIR JOHN STRATHEARN HENDRIE, K.C.M.G., C.V.O.,
- *Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

I beg to submit herewith the Thirteenth Annual Report of the Feeble-Minded in Ontario, for the year ending October 31st, 1918.

I have the honour to be,

Your Honour's most obedient servant,

WM. DAVID McPHERSON,
Provincial Secretary.

Office of the Inspector of the Feeble-Minded, Ontario,
Parliament Buildings, Toronto,
December 19th. 1918.

SIR,—I have the honour to transmit herewith, to be presented to His Honour the Lieutenant-Governor, the Thirteenth Annual Report on the Feeble-Minded in Ontario for the year ending October 31st, 1918.

I have the honour to be,

Sir,

Your obedient servant,

HELEN MACMURCHY,
Inspector.

HON. WILLIAM DAVID MCPHERSON, K.C., M.P.P.,
Provincial Secretary of Ontario.

THE FEEBLE-MINDED IN ONTARIO

Thirteenth Annual Report

There has been a marked increase of interest in Social Work and Legislation during the past year, and the glorious victories of the Autumn of 1918 have stimulated this interest. The tide of public opinion has turned strongly towards measures of Reconstruction and Social Reform.

The most important event of the year in Ontario in reference to the care of the Feeble-minded was the appointment of the Hon. Mr. Justice Hodgins as a Royal Commissioner on November 11th, 1917, under the Public Enquiries Act, to consider and enquire into the existing methods of dealing with imbecile, feeble-minded and mentally defective persons in the province, with power to suggest amendments to existing legislation, or other measures which will, in his opinion, improve present conditions. The Commissioner was also instructed to enquire into and report on the prevalence of venereal diseases in their relationship to the treatment of the feeble-minded, and generally with regard to their extent and consequences, and suggest any measures which, in his judgment, will restrict as far as possible the evil consequences of these diseases.

Mr. Justice Hodgins held a number of sittings in Toronto and elsewhere in regard to venereal diseases, and an Act for the Prevention of Venereal Disease was passed at the Session of the Legislature, 1918.

REFUGES.

In Industrial Refuges for Women and other Refuges where a number of feeble-minded inmates are cared for, praiseworthy efforts are often made to teach and train the mentally defective inmates as far as the circumstances of the Home will allow.

At the Haven, Toronto, the Board of Directors have engaged a teacher who comes one evening a week and is assisted by four or five young ladies who instruct the inmates in small classes. The total attendance is 35. The work done is excellent, and the improvement in some of the girls who are seriously mentally defective is wonderful.

The Board of Education, Toronto, has helped very much in this work by providing evening classes in the Industrial Refuge, Belmont Street.

PROVINCIAL ASSOCIATION FOR THE CARE OF THE FEEBLE-MINDED.

The Annual Meeting of the Association was held at Toronto General Hospital on the 26th of February, 1918, and was well attended, a number of representatives from different parts of the Province being present.

A large deputation of the Association waited on the Premier, Sir William Hearst, when the problem of the Care of the Feeble-Minded was presented to the Government by the Rev. Canon Plumbtre, of Toronto, Mrs. P. D. Crerar, of Ham-

ilton, Mr. J. O. McCarthy, of Toronto, and others, who spoke to the following resolutions:

"It is hereby resolved that a deputation be appointed to wait upon the Premier and members of the Provincial Cabinet to present the following views.

"To urge upon the Government the great extent of this problem in cities and centres and in rural districts, and the need of immediate action: to express the view that this problem should be dealt with by the Provincial Government and not left to uncertain and scattered action by the municipalities.

"That the Government should provide such custodial institutions as are necessary: that a proper share of the cost of building these institutions should be collected by direct taxation from the municipalities.

"That the municipalities be required to pay for the maintenance of all students and inmates up to 18 or 21 years of age: that the Government should assume the maintenance of such adult cases as require continued custodial care.

"That there should be such supervision of the issuing of marriage licenses as would prevent the marriage of certain disordered and feeble-minded persons."

In reply the Prime Minister said the problem was deserving of the most serious consideration, and the Government had appointed a Commissioner to report upon the matter, not only from a custodial and curative standpoint, but also from the standpoint of financial responsibility. "As soon as that report is received," said he, "it will receive not only our thought and consideration, but action along the lines that we feel should be taken."

THE TORONTO BRANCH.

The Annual Meeting of the Toronto Branch of the Association was held in Toronto General Hospital on Monday, June 3rd, 1918.

The principal speaker was Dr. E. E. Southard, of the Boston Psychopathic Hospital, who gave an address on the different types of Mental Deficiency.

Captain Gordon Bates, the Secretary, reported that the Committee appointed by the Toronto Branch to meet a committee appointed by the City Council had got as far as the plans for a building to be erected for the feeble-minded north of Toronto, but owing to the financial stringency had been unable to go ahead. Prof. T. R. Robinson reported a small balance in the Treasury, Dr. C. M. Hincks told of a membership of 176, Dr. O. J. C. Withrow gave the report of the Publicity Committee, and Mrs. A. M. Huestis that of the Committee on Policy. Dr. Hincks outlined the work of the National Committee for Mental Hygiene, and Mr. W. D. Gwynne reported for the legal sub-committee.

The following officers were elected: Honorary President, Dr. C. K. Clarke; President, Mrs. A. M. Huestis; Vice-Presidents, Prof. Peter Sandiford and Canon Plumtre; Treasurer, Prof. T. R. Robinson; Secretary, Capt. Gordon Bates. The conveners of sub-committees are: Policy, Dr. E. A. Bott; Membership, Mrs. J. B. Laidlaw; Publicity, Mr. R. E. Mills; Laws, Mr. W. D. Gwynne; and Finance, Mrs. W. B. Meikle.

The following important resolution was passed: "That the Committee on Policy of this, the Toronto Branch, meet the Executive of the Provincial Association for the Care of the Feeble-minded for conference, first on the advisability of

enlarging the scope of the work of the two Associations; second, on the wisdom of changing the names of the two Associations to conform with that of the lately organized Committee on Mental Hygiene, and thus tend to bring the national work for mental hygiene under a definitely organized plan."

THE HAMILTON BRANCH.

During the year steady progress has been made by the Hamilton Association under the direction of the President, Judge Gauld; the Honorary Secretary, Mr. T. H. Wills, and others.

The following is a summary by Mr. Wills of the work recently undertaken and accomplished by the Association:—

"The work of the local Association has been in the main devoted to educating public opinion on this all-important question; and an unobtrusive but effective press campaign has been steadily conducted with the object of keeping its various phases before the community.

A deputation waited upon the Board of Education to enlist their active co-operation in the matter of providing special classes with specially qualified teachers for such children as were considered mentally deficient.

A sub-committee was appointed by the Board to deal with this matter from time to time as necessity arose, with very satisfactory results.

The following measures may, in addition, fairly be claimed as resulting directly or indirectly from the formation of this local branch.

A series of fortnightly addresses on Community Welfare, including addresses from Dr. C. M. Hineks on "The Feeble-Minded Problem," Dr. C. K. Clarke on "The Venereal Problem," and Commissioner Boyd on "Juvenile Courts and Juvenile Delinquency."

The formation of an "Advisory Committee on Venereal Diseases."

The establishment of a Psychiatric Clinic with a subsidy from the City Council.

A census (taken by the principals) of the feeble-minded children in the City Public Schools.

A similar census in the public schools of the County of Wentworth.

The establishment of an additional class for mentally deficient children at the Adelaide Hoodless School.

A healthy public opinion strongly in favour of the establishment of a Juvenile Court has been created; and in the near future this, too, may be accomplished.

At the request of the local association the Hon. Mr. Justice Hodgins consented to hold a sitting of the Commission in this city, and heard evidence from competent authorities on the Venereal problem.

Evidence on the Feeble-minded problem has also been prepared, and is now in course of preparation, to be given at subsequent sittings.

CANADIAN NATIONAL COMMITTEE FOR MENTAL HYGIENE.

Much interest has been taken in the American National Committee for Mental Hygiene by those in Canada who are working for the same objects, which are thus briefly stated by the President of the Committee, Dr. Lewellys F. Barker, of Johns Hopkins:—

"The Committee hopes by investigation, by education, and by organization steadily to improve the brain power of the nation. It is striving to hasten the time when our people will be so begot and so reared that their minds will develop normally and harmoniously: when society will have less need than now for sanatoria, asylums, and prisons, and when all but an irreducible minority of those born to membership in the nation may think, feel and act in a way that will make them desirable citizens of that Better State which is our goal."

On February 25th, 1918, Mr. Clifford W. Beers, Secretary of the American National Committee, delivered a lecture on "Mental Hygiene" in St. James' Parish House, Toronto, to a large and representative audience. The next day a gathering took place at the residence of Mr. and Mrs. D. A. Dunlap, at which the organization of the Canadian National Committee for Mental Hygiene was approved of by all present and an organization committee appointed. It was announced that \$20,000.00 had already been subscribed for the work of the Canadian National Committee.

Dr. Hincks shortly afterwards visited Montreal, Ottawa, Quebec and other cities in the interests of the Association, and the Canadian National Committee was organized at a meeting held in Ottawa on April 26th, 1918, at which Sir William Peterson, Sir Robert Falconer, the Bishop of Ottawa, Col. Colin K. Russell, of Montreal, Major Page, of Quebec, Dr. Steele, M.P., Mrs. Adam Shortt, Mrs. J. B. Laidlaw and others were present.

The Report of the Nominating Committee, presented by Col. H. S. Birkett, of Montreal, and adopted unanimously, was as follows: President, Lt.-Col. Charles F. Martin, M.D., Montreal; Vice-Presidents, Lord Shaughnessy, Montreal; Sir Vincent Meredith, Montreal; Sir Lomer Gouin, Quebec; Sir Robert Falconer, Toronto, and Sir William Peterson, Montreal; Treasurer (subject to his acceptance), Sir Edmund Osler, Toronto; Executive Committee, Lt.-Col. C. K. Russell, Montreal, Chairman; Dr. J. D. Page, Quebec; Professor Dale, Montreal; Lt.-Col. Vincent Massey, Toronto; Dr. C. S. Porteous, Montreal; Dr. Peter Bryce, Ottawa; Dr. C. J. O. Hastings, Toronto; Dr. W. H. Hattie, Halifax; Professor Peter Sandiford, Toronto, and Lt.-Col. C. F. Martin; Medical Director, Dr. C. K. Clarke, Toronto; Associate Medical Director and Secretary, Dr. C. M. Hincks.

Two meetings of the executive have been held, the first during the Canadian Medical Association Meeting on May 29th, 1918, and the second on September 17th, 1918, when important business was presented and new work undertaken.

PERMANENT CARE.

All who have any knowledge on the subject of the care of the feeble-minded agree that permanent care in a suitable institution is the happiest and best solution of the problem from every point of view. The problem really resolves itself into a problem of education, training and guardianship. The mentally defective cannot "manage for themselves." How is the community going to manage for them? The right kind of institution is the happiest home for by far the majority of them. But there may be some who under proper guardianship might be of use in the community and might not be harmful.

During the year there has been a tendency to more careful estimation, by census and otherwise, of the number of mental defectives in the community as a whole. Recent American investigations have tended to confirm earlier estimates that the ratio of mentally defective persons to the whole population is 3 in 1,000,

and further that the number of mentally defective persons is increasing more rapidly than the number of normal persons in the ratio of two to one, or even three to one.

THE REAL SITUATION.

It is more and more clearly seen that if mental capacity is below a certain level, the individual cannot, at any period of life, stand alone as an independent citizen, and therefore we should not pretend that he can do so. Whatever his age may be, he is unequal to the tasks which his fellows are able to perform easily enough. He is unable to adjust himself to life, to learn or profit by any advance made by the community, to acquire self-control, or to bring to bear any proper judgment on his affairs. On the other hand, such persons may have special ability in some one thing, such as the care of other young mental defectives in an institution, or the making of lace, or the care of horses, or stoking a furnace, or gardening, or farm work, or cleaning, or wood-working, or carpentering, or dish-washing, or waiting on table, or polishing, or ordinary manual labour. The progress made in turning to good account people who formerly were the waste products of humanity is a great gain. But we must "catch them young." It is hard to teach the mental defective who is a confirmed idler. He might just as well have learned habits of work and self-respect if we had appointed someone to teach him.

PROGRESSIVE MEASURES.

Among the progressive measures which are now being considered in Ontario and elsewhere for the care of the feeble-minded are:—

1. The registration, under proper authority, of all feeble-minded persons not being cared for in suitable institutions and the provision of suitable supervision for those who can live in the community.

2. The provision of Auxiliary Classes in the Public and Separate Schools in large centres for the benefit of mentally defective children.

3. Provision for the examination, where desirable, of children and adults by physicians who are experts in the diagnosis of mental defect.

4. The development of School Medical Inspection, to include special supervision of Auxiliary Class work.

5. Medical examination, where desirable, of all persons brought before Juvenile and criminal Courts.

6. Mental examination by experts of all persons admitted to orphanages, refuges, industrial schools, reformatories, Houses of Refuge, Prison Farms, Public Charities and other penal, charitable or reformatory institutions, and the adoption of suitable measures for the improvement and training of such persons, according to their mental capacity.

7. The reorganization of community work for dependent, delinquent and defective persons, especially in childhood and youth, on the basis of better knowledge of the facts in each individual case, classification, training and preparation for citizenship where that is possible, and care and permanent control where citizenship is not possible.

RECONSTRUCTION.

The people of Ontario, and most of all those who are interested in making Ontario and Canada a better place to live in, have many reasons for encouragement, and not the least is the help of general public opinion about the problem of the Feeble-minded.

The solution of this problem will be one of the blessings of the Reconstruction period. for, to quote the words of the Fourth Annual Report of the Board of Control (Lunacy and Mental Deficiency), published a few weeks ago, in London, "No reconstruction scheme will be complete without ample provision for the protection of the mentally defective."

FORTY-NINTH ANNUAL REPORT

OF THE

INSPECTOR OF PRISONS AND PUBLIC CHARITIES

UPON THE

Hospitals and Charitable Institutions

OF THE

PROVINCE OF ONTARIO

BEING FOR THE YEAR ENDING 30th SEPTEMBER

1918

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO



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1919

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PARLIAMENT BUILDINGS,

TORONTO, DEC. 4TH, 1918.

To His Honour SIR JOHN STRATHEARN HENDRIE, C.V.O., a Lieutenant-Colonel
in the Militia of Canada, etc., etc., Lieutenant-Governor of the Province
of Ontario.

MAY IT PLEASE YOUR HONOUR:

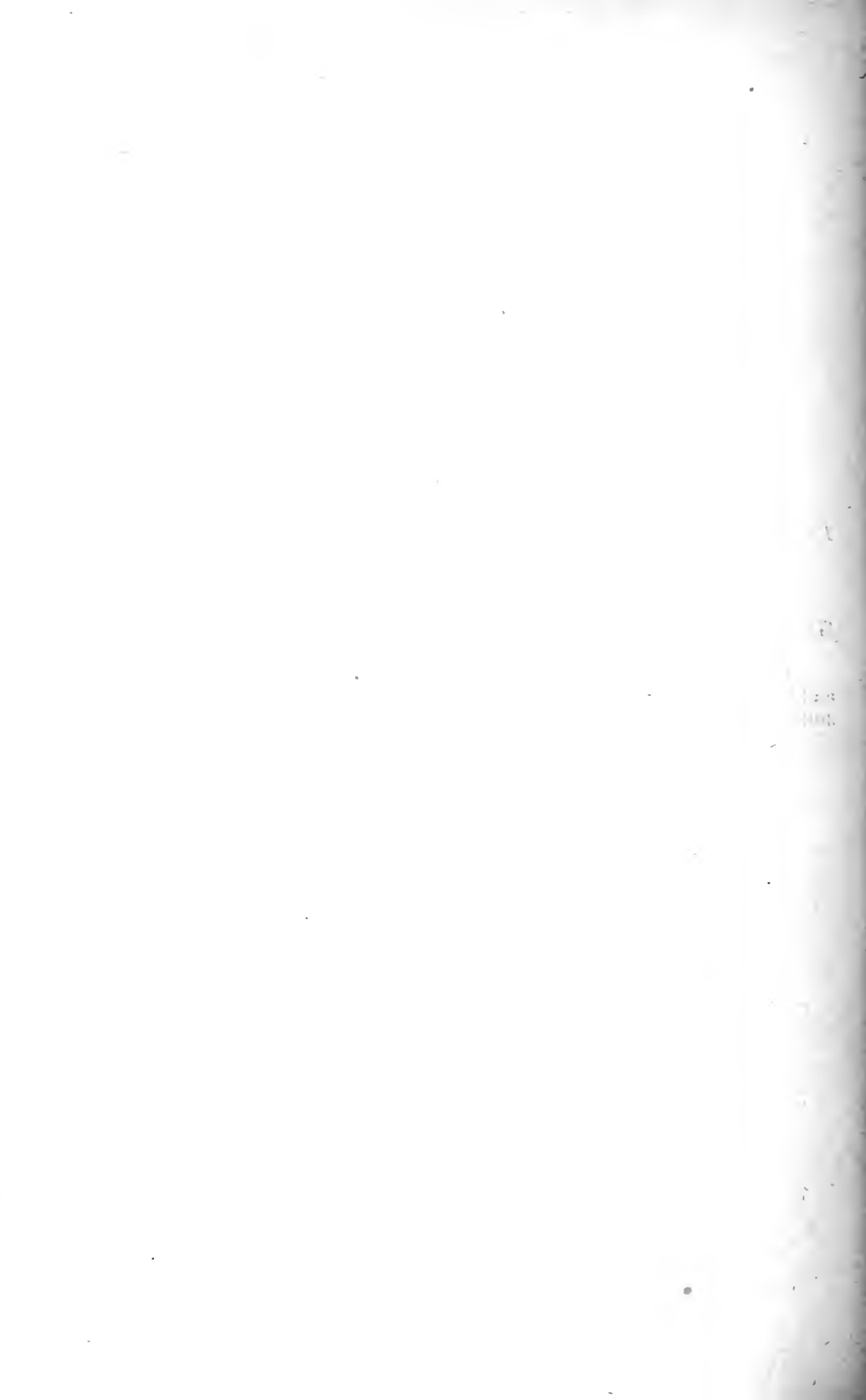
I beg to submit herewith the Forty-ninth Annual Report upon the Hospitals
and Charitable Institutions of Ontario, being for the official year ending September
30th, 1918.

I have the honour to be,

Your Honour's obedient servant,

W. D. MCPHERSON,

Provincial Secretary.



OFFICE OF THE
INSPECTOR OF PRISONS AND PUBLIC CHARITIES, ONTARIO.

PARLIAMENT BUILDINGS, TORONTO, NOV. 14TH, 1918.

SIR,—I have the honour to transmit herewith, to be presented to His Honour the Lieutenant-Governor, the Forty-ninth Annual Report upon the Hospitals and Charitable Institutions, etc., for the official year ending September 30th, 1918.

I have the honour to be, Sir,

Your obedient servant,

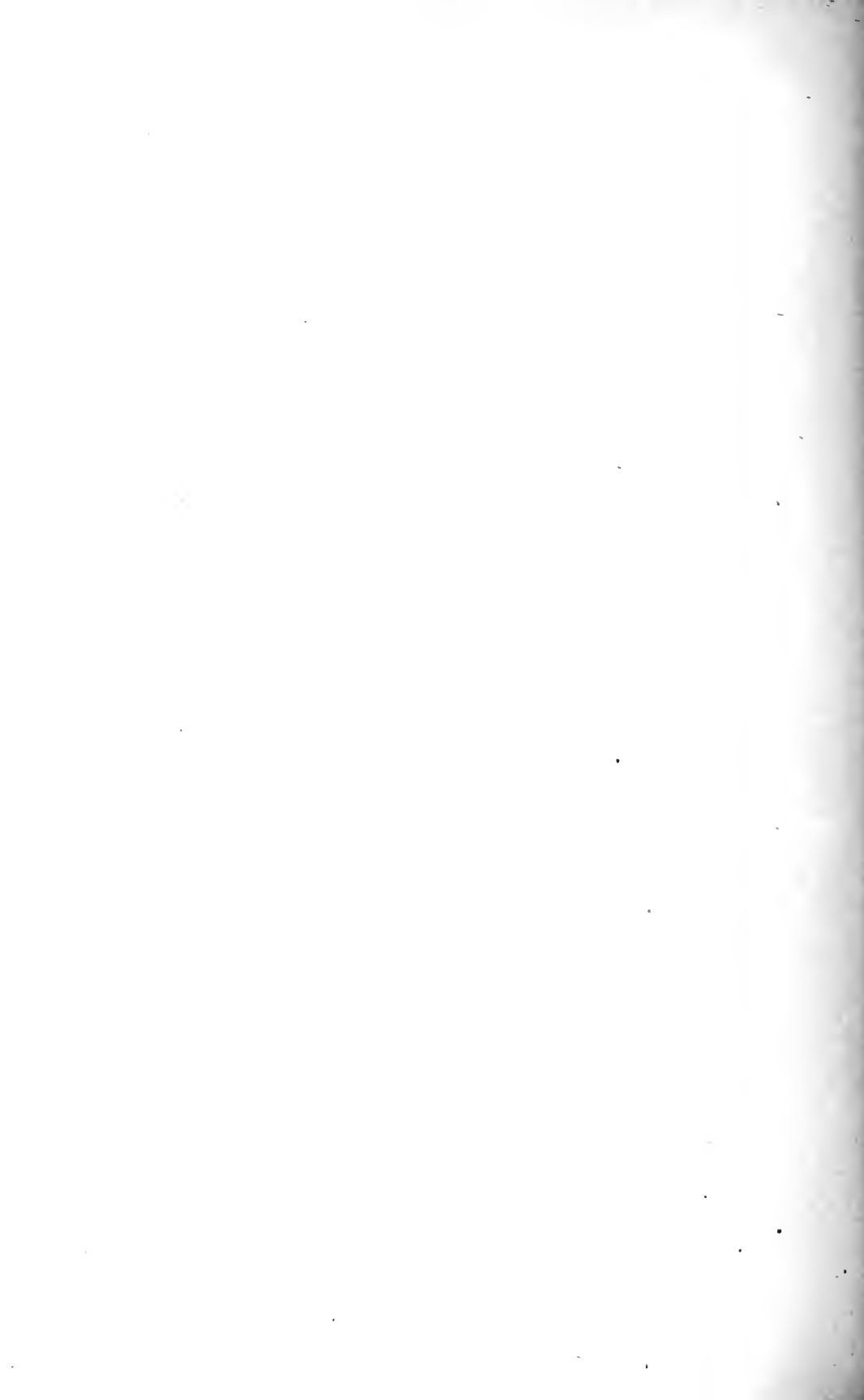
W. W. DUNLOP,

Inspector.

THE HONOURABLE W. D. MCPHERSON, K.C., M.P.P.,

Secretary of the Province of Ontario,

Toronto.



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Hospitals and Charitable Institutions

In presenting the forty-ninth annual report on the Hospitals and Charitable Institutions for the year ending September 30th, 1918, I beg to state that there are at present in Ontario:—

- 98 Public Hospitals, including 11 Sanatoria for Consumptives.
- 68 Private Hospitals.
- 39 Refuges.
- 31 Orphanages.
- 2 Convalescent Homes.
- 31 County Houses of Refuge.

These have, as far as possible, received official visits of inspection during the year, and those entitled to Government aid in accordance with the Statute have shared in the grants voted by the Legislature for Hospitals and Charities.

THE HOSPITALS.

The record of the year indicates the continued success and progress of the Hospitals of Ontario:

Number of patients in the hospitals, October 1st, 1917	5,732
Number of patients admitted during the year	98,339
Number of births in the hospitals during the year	8,360
	112,431
Total number under treatment during year	112,431

The above figures do not include those who received medicine and treatment as outdoor patients.

Number of deaths during the year	5,669
Percentage of deaths to number under treatment	5.04
Total number of days' stay in the hospitals	2,209,781
Provincial grant to hospitals for the past year	\$384,652 93
Amount received from all sources during the year	4,556,601 31
Subscriptions, donations, etc., during the year	712,219 83
Total expenditure for hospitals (including capital account, \$857,692.58) during the year	5,763,924 36
Average cost for each patient per day	2.27
Percentage of Provincial grant to total maintenance expenditure.....	7.8

PROVINCIAL AID TO HOSPITALS.

1. A Provincial grant is made for all patients in a hospital during the first ten years of its existence at the rate of thirty cents per day, irrespective of what sum is contributed by the patients themselves.

2. After a hospital has been in existence for ten years the grant is paid only for patients for whose maintenance \$8.75 per week or less is contributed.

3. In all cases the limit is 120 days, and if the patients remain in the hospital longer than that period the refuge rate of seven cents per day is allowed.

4. Children over one year and under twelve years are allowed for at the rate of seven cents per day.

5. No allowance is made for infants under one year of age.

AID TO SANATORIA FOR CONSUMPTIVES.

1. A grant of \$4,000 on the erection and satisfactory equipment of the necessary buildings.

2. A grant of three dollars and fifty cents per week for the maintenance of each indigent patient.

These grants to be in consideration of proper accommodation being provided, and only to assist in the maintenance of indigent patients coming from the Province of Ontario. There were 2,915 patients cared for in the eleven different Sanatoria for Consumptives during the past year.

THE YEAR'S WORK IN THE HOSPITALS.

The number of patients cared for in the Public Hospitals of Ontario during the past year was 152,431.

The total expenditure for maintenance and equipment during the year was \$4,906,231.78.

INSPECTIONS.

The usual inspection of each Hospital has been made and a report of the same transmitted to the Honourable the Provincial Secretary, and a copy of the report sent to each institution visited. Where criticism has been found necessary or where suggestions have been called for, they have in nearly every instance been received in a kindly spirit indicative of a desire to improve upon conditions mentioned.

With eighty-seven public hospitals located in different parts of the Province, it is now well recognized that a well established and conducted hospital confers an incalculable benefit on the community in which it exists. The remarkable progress that has been made in Ontario during recent years in establishing hospitals has developed an appreciation of the material advantage that such an institution is to the town or city in which it is located. It is only a very few years since, to secure proper hospital treatment, a long railway journey was necessary. Soon every county of Ontario will have its own hospital properly equipped for the care and treatment of medical and surgical cases, and thus every part of the Province will be afforded advantages which not long ago it was necessary to seek in the larger centres. To-day the medical and surgical equipment of many of our town hospitals is equal if not superior to that found in some of the older established institutions in the larger cities. The effect in every town where a public hospital has been established is seen not only in affording proper care

for the sick, but also fostering and developing an appreciation of scientific advantages to the medical profession that ultimately are of the greatest benefit to the whole community. From the standpoint of value to the country, hospitals undoubtedly rank first in the philanthropies of the age in which we live.

Plainly spoken criticism has to be expressed in report of inspection of some hospitals where, on account of the lack of proper accommodation, there has been found a disposition to crowd poor patients, admitted on municipal orders, into poorly ventilated wards and to reserve nearly all the best parts of the building for private and semi-private patients. The original idea—the care of the sick-poor—for which hospitals were established must not be lost sight of. The institution that fails to provide proper accommodation in suitable buildings for its patients should not be considered worthy to share either Government or Municipal grants. City hospitals should be compelled to afford as comfortable wards for their patients as are found at similar institutions in the towns of the Province.

The rate of maintenance at Ontario Hospitals is equal to if not less than at similar institutions in other portions of America, and criticism is seldom called for in regard to lack of economy in management. The expenditures under the different headings indicate such prudence and caution that enquiry often comes from other countries asking for information in respect to the methods employed to secure such results. Owing to the high cost of living the average daily cost per patient in our hospitals has arisen from \$1.13 in 1905 to \$2.27 in 1918, but when this rate is compared with the maintenance rates in hospitals in the United States there is certainly reason to feel satisfied with the comparison.

IMPROVEMENTS IN HOSPITALS.

BROCKVILLE ST. VINCENT DE PAUL HOSPITAL.

The system of heating has been modernized and is controlled by a 75 h.p. steam boiler, thus effecting economy and more uniform heating. The interior and exterior of the building has been painted and general repairs have been attended to.

BRANTFORD GENERAL HOSPITAL.

A new wing has been added to the Nurses' Residence, affording accommodation for 27 nurses. A third engine room has been installed. The erection of an Isolation Hospital on the grounds is under consideration.

BELLEVILLE GENERAL HOSPITAL.

A Terrazo floor has been laid in operating room No. 2. An electric motor has been put in for operating the elevator. The second floor of nurses' quarters has been refurnished and redecorated. The roadway in the hospital grounds has been repaired under the supervision of the City Engineer, at a considerable outlay.

CHATHAM PUBLIC GENERAL HOSPITAL.

A new incinerator has been installed. The cottage for the help has been enlarged and remodelled. It is proposed to erect a new hospital to be known as the Soldier's Memorial Hospital, at an estimated cost of \$150,000.

CHATHAM ST. JOSEPH'S HOSPITAL.

A new entrance porch costing about \$2,000 has been erected.

COBOURG GENERAL HOSPITAL.

The following improvements have been made: A complete X-ray equipment costing over \$4,000 has been installed. Surgical waggon fully equipped. Nurses' chart tables. "Toronto General" operating table. The hospital was also presented with a first class victrola.

CORNWALL GENERAL HOSPITAL.

Two of the heating furnaces have been replaced; also the cylinder of the elevator has been renewed.

CORNWALL HOTEL DIEU HOSPITAL.

The central heating plant has been completed during the past year, adding greatly to the comfort and cleanliness of the institution. An upright boiler has been put in for running the steam laundry. A new hardwood floor has been laid in the hospital kitchen, and the walls and ceiling have been painted white (vitalite). A concrete floor has been laid in the storeroom, also a new floor in sterilizing and anesthetic rooms.

ESSEX COUNTY SANATORIUM.

Plans have been prepared and work is to commence at once on a separate residence for the physician-in-charge.

GALT GENERAL HOSPITAL.

A \$25,000 nurses' home has been donated and the present nurses' home is being converted into a maternity hospital at a cost of \$15,000.

GUELPH ST. JOSEPH'S HOSPITAL.

The building has been wired throughout and a new electric elevator installed. There are other minor improvements.

HAMILTON CITY HOSPITAL.

An addition has been made to the maternity building at a cost of \$25,000. A new admitting department has been provided. An enlarged dining-room for nurses and new sun-rooms. The ground floor in the new Alexandra wing has been fireproofed. Alterations are now being made in the Administration Building, which will provide new offices and rotunda. A nurses' home at Mount Hamilton Hospital has been completed, costing \$78,000.

HAMILTON ST. JOSEPH'S HOSPITAL.

The list of improvements is as follows: New refrigerating plant, costing \$2,800; a meat and bread slicer, \$175.00; a Hawleys' operating table; painting and decorating building including the operating and anesthetic room which has been done in enamel; new instruments, etc.

HAILEYBURY PROVIDENCE HOSPITAL.

The prevalence of influenza epidemic called for greater accommodation and the Sisters gave up their own sleeping apartments and took up quarters in the unfinished part of the building. However, they have succeeded in finishing one wing of the fifth story and the staff will occupy the apartments there, thus providing more space for patients.

HAMILTON—THE MOUNTAIN SANATORIUM.

At the Grafton Infirmary two isolation wards have been provided and the bath and serving rooms have been entirely reconstructed. At the staff house a small refrigerator has been replaced by a large service room and a large built-in refrigerator. The shack for women has been enlarged to admit eight more beds, and the dressing-room greatly enlarged to enable patients to dress without crowding or confusion. A serving-room has been added in rear of this building so that trays can be taken directly to the patients without so much loss of heat as heretofore when the serving-room was some distance from the shacks. A serving-room is also being erected between the men's and traveller's shacks, in the male patients' quarters.

In addition to the above, nearly a mile of macadamized road was built throughout the grounds; and about the new infirmary the grounds have been graded and sodded and will be further beautified in a horticultural way. Four fire extinguishers, one for each floor of the hospital, have been provided.

KINGSTON GENERAL HOSPITAL.

Improvements have been made to the buildings in refurnishing and fitting up the wards. Owing to the overcrowded condition of the hospital the superintendent's quarters have been taken over and equipped as a special ward. A larger hospital scheme is in contemplation and it is hoped that considerable progress will be made this year in its development.

LONDON ST. JOSEPH'S HOSPITAL.

An electric range has been placed in the kitchen, cost \$1,500, and two electric stoves have been presented to the hospital for use in two of the serving rooms. The Kay-Scheerer sterilizers are being replaced by new ones at a cost of about \$2,000.

MATTAWA GENERAL HOSPITAL.

Several halls and rooms have been tiled and the walls enamelled; and the toilets have been replaced by more modern patterns. The operating and sterilizing rooms have had the wooden shelves replaced by glass ones. A substantial iron fence on a cement foundation, now enclose the premises.

NEW LISKEARD LADY MINTO HOSPITAL.

The influenza epidemic caused considerable outlay for extra beds and equipment, and the verandahs had to be fitted up to accommodate the increased number of patients.

OTTAWA GENERAL PROTESTANT HOSPITAL.

A new X-ray plant has been installed costing \$5,500. It has been agreed to turn over to the city all the assets of the three of the hospitals, viz., St. Luke's, the Maternity, and the General Protestant, if the city will undertake to erect an up-to-date hospital and operate the same. The city has applied to the Legislature to be allowed to raise \$1,500,000 for this purpose, and the request has been granted.

OTTAWA ROMAN CATHOLIC HOSPITAL.

The operating rooms and children's wards, damaged by fire, have been restored and greatly improved. The roof of the east wing has been converted into a sun garden for patients.

OSHAWA GENERAL HOSPITAL.

The new surgical wing has accommodation for 25 patients on the first and second floors; the third floor is divided into operation rooms, doctors' room, dressing room, anesthetic room and laboratory. Sun rooms connect the old and new buildings. Other improvements are high pressure sterilizers, a new operating-room table, Gatch frame beds, metal bedside tables. All of these improvements were gifts from the citizens of the town. Five hundred dollars has also been contributed to equip a diet kitchen. The Ladies' Auxiliary has raised \$11,000 which enabled them to pay off the debt on the building.

OWEN SOUND GENERAL AND MARINE HOSPITAL.

An X-ray machine and fluoroscope have been added to the equipment, costing \$3,000, and a small electric laundry outfit costing about \$400.

OTTAWA ROYAL SANATORIUM.

The City of Ottawa intends to increase the accommodation of this institution for thirty more patients, and application has been made to the Government of Ontario for permission to expend \$100,000 for this purpose.

OTTAWA MISERICORDIA HOSPITAL.

A large Kiosque has been built which keeps the children out of doors during the summer.

PETERBOROUGH NICHOLLS' HOSPITAL.

A residence occupying large grounds has been purchased for a nurses' home. This releases a number of rooms in the main building which will now be available for patients.

PETROLEA CHARLOTTE ENGLEHART HOSPITAL.

A maternity annex has been built and furnished complete by Mr. J. L. Englehart.

PETERBOROUGH ST. JOSEPH'S HOSPITAL.

Two electric elevators have been installed, one for patients and the other for food, at a cost of \$2,900. The nurses' home is to be enlarged.

PARRY SOUND GENERAL HOSPITAL.

The building has been completely re-wired, and the Knott, tube and conduit system installed. A stand pipe and chemical fire extinguishers have also been installed for fire protection. Improved toilet and bath facilities have been provided. A new electric washer for the laundry, and an electric cooking stove have been put in.

PARRY SOUND ST. JOSEPH'S HOSPITAL.

Three bathrooms have been equipped and a large verandah built for the comfort of the patients.

PORT ARTHUR ST. JOSEPH'S GENERAL HOSPITAL.

Two of the boilers of the steam plant have had underfeed stokers installed, costing \$4,000.

SAULT STE. MARIE GENERAL HOSPITAL.

The verandahs on the south and east side of the building have been converted into sun rooms, the western verandah has been rebuilt with brick inter-sections, and a new fire escape erected. The old furnace rooms have been converted into dining-rooms for nurses, maids and hired men. A Kewanee furnace has replaced the three old ones, giving more satisfactory results.

SARNIA GENERAL HOSPITAL.

The following improvements have been made: A new roof, a new Kewanee 50 h.p. boiler, a new washing machine, motor ambulance, and temporary nurses' home, incurring a total expenditure of \$10,850.00.

SUDBURY ST. JOSEPH'S HOSPITAL.

The installation of an X-ray equipment has proved very satisfactory both in fluoroscopy and radiography.

ST. CATHARINES CONSUMPTIVE SANATORIUM.

The laying of some hardwood floors and repainting of the institution inside and out, is the extent of work done during the year.

TORONTO—THE WOMEN'S COLLEGE HOSPITAL.

The new wing consists of three stories and basement, and is planned to form part of a larger scheme. In the basement is the Out-patient's Department, consisting of waiting room and lavatory, three clinical rooms and drug-room; there is also a pathological laboratory, three large store-rooms, soiled clothes room, and a boiler and fuel room. On the first floor is the public surgical department and one large ward of eight beds, and balcony; also semi-private wards on each side, and an observation ward, lavatory and service rooms. Between the old and new buildings is the dining-room for the staff. Second floor, accommodating the public obstetrical work, consists of a large ward of eight beds with balcony; two smaller wards, accouchment room, service rooms and lavatory; a babies' ward with balcony and two new bathrooms in old part of building. In the top flat is the operating department, which has large and small operating

rooms with anesthetic room between, doctors' wash room, sterilizing room, room for preparing dressings and an X-ray room. The new section is served with a fireproof staircase and a passenger elevator. A capacity of fifty beds for adult patients and twenty-five baby cots. A new nurses' home was purchased three doors north of the hospital.

TORONTO—THE HOSPITAL FOR SICK CHILDREN.

Alterations have been made in the boiler room and additions to the boilers provided for. A considerable addition to the X-ray department is contemplated on account of a generous donation.

TORONTO FREE HOSPITAL FOR CONSUMPTIVES.

An up-to-date steam laundry plant has been installed. An addition has been made to the nurses' residence, comprising eight single rooms with bath-room, making a total of fifty-eight single rooms together with sitting-rooms, bath-rooms, dining-room and kitchen, all separated from the institution. A surgical room has been provided in the main building. A Pathoscope moving picture machine has been provided in the main building, which provides weekly entertainment.

TORONTO ORTHOPEDIC HOSPITAL.

A nurses' home has been provided outside of the building, which affords accommodation for ten more patients than formerly.

WINDSOR HOTEL DIEU HOSPITAL.

The operating room has been remodelled and painted, and one more operating room added, making three in all; there are also anesthetic rooms and dressing rooms, total cost, \$5,000. A new X-ray apparatus has been installed, and two large rooms have been fitted up for it, at an outlay of \$3,000. A clinical laboratory has been fitted up at a cost of \$2,000. New fire escapes are being erected, fire-proof doors are being placed on all elevator shafts, and new fire extinguishers are in all the departments besides fire hose. A new dormitory has been fitted up for maids, costing \$2,000, which required an extension of plumbing and a new main pipe connection with the furnaces for heating the fourth floor; water supply for bath-rooms, and open skylights in the roof. A men's new surgical ward is nearly completed, at a cost of about \$1,500.

COUNTY HOUSES OF REFUGE.

There are now thirty-one Houses of Refuge in the Province of Ontario, with an average number of inmates during the year of 1742. During the latter part of the year I had an opportunity of visiting a few of these institutions, and in nearly every instance I found these institutions well conducted and the inmates provided with comfortable homes. As this was my first visit to these institutions, I had no knowledge of their previous conditions, and so was not in a position to compare conditions with previous years. In some instances criticisms were made and some improvements suggested. In nearly every case these suggestions were received in a kindly manner, and I believe that an honest endeavour will be made to carry out the suggestions as indicated.

In some instances I noticed that there was no ward in the building as a hospital for the sick in the institution, nor yet was there a competent nurse to

look after them. Section No. 54 of the Official Regulations states as follows: "In every such public charity there shall be provided a quiet and comfortable ward or infirmary for men and a similar ward or infirmary for women, in which inmates who may at any time be ill or infirm may be cared for, and each Refuge must have a competent nurse to care for the sick and carry out the directions of the matron." This is very important, and I think this Regulation should be carried out in every institution.

Many of the Houses of Refuge in Ontario do credit to the counties which have erected and are maintaining them, and a great interest is taken in their management by the committee in charge. In nearly every instance, the superintendent and matron are well fitted for the position they hold. So much depends upon this and upon the human interest the superintendent and matron take in the aged and infirm inmates of the institution. The inmates should never be allowed to care for themselves, but during the war on account of the great scarcity of help, in many instances this had to be done.

While we have many splendid institutions throughout the Province, I am very sorry to say that there are yet a few of the counties which have not yet established a home for their indigent poor. I would like to draw the attention of these counties to the Act respecting Houses of Refuge which says that "The Corporation of every County which has not already established and erected, shall forthwith establish and erect, and the Corporation of every County shall at all times maintain a House of Refuge for the reception of persons of the classes described in Section No. 14." It is the bounden duty of every county to establish a Refuge for its indigent poor. Now that the war is over, I hope they will take this matter into serious consideration.

The fire protection in an institution of this kind is of very great importance. Fire escapes are absolutely necessary and in an institution where the inmates are old and crippled, fire escapes should be constructed so as to afford easy access to the ground. In some instances I find the fire escapes inadequate and useless. In these instances I made certain recommendations, which I have every reason to believe will be carried out.

The result of the inspections I made during the past year, leads me to believe that an honest effort is being made to conduct the Houses of Refuge properly, and that everything is being done for the comfort and convenience of the inmates. A copy of each inspection was sent to the Honourable the Provincial Secretary and one to the Clerk of the county.

CITY REFUGES RECEIVING GOVERNMENT AID.

There are now thirty-nine Refuges and Homes in the Province of Ontario, receiving Government aid. The total number of inmates in these Refuges during the year was 5101. The total expenditure for the maintenance of these Refuges for the year was \$587,338.06. Towards this expenditure the Government contributed \$71,220.77. This grant is computed at the rate of 7 cents per day per inmate. The balance of the expenditure is made up by contributions, municipal grants, etc.

During the year I visited a number of these Institutions and was very much pleased with the way they are managed. In nearly every instance they furnish a comfortable home for the old and helpless people committed to their care. In some instances criticisms were made and improvements suggested. The majority of these Institutions are carefully managed, and the inmates given every care and

attention. However, in some instances there is a tendency to overcrowding and imperfect ventilation. During the day the inmates should not be allowed to remain in the dormitories. These should be vacant during the day and the windows opened, so that the rooms may be thoroughly aired. The building should be of fireproof construction with proper facilities for escape in case of fire.

I think it is a mistake to encourage the establishment of these Institutions in the cities and towns of the Province. The only proper location is in the country, where the inmates may have the advantage of hygienic surroundings and the opportunity of engaging in open air work. The advantages that would be experienced by removal to the country could hardly be estimated.

I find in many of these institutions the insane and feeble-minded; this is not as it should be. The insane should be placed in one of the Hospitals for the Insane where they could receive proper treatment for their particular mental condition. The feeble-minded should be removed to the Provincial Institution provided for those who are feeble-minded.

ORPHANAGES.

There are thirty-one Orphanages in the Province of Ontario receiving Government aid. The total expenditure for the maintenance of these charities during the year was \$314,092.03. The amount of Government grant received by these institutions was \$17,527.57. The number of children cared for at these institutions during the year, was 4,664, which was 431 more than last year. Although this is not a very hopeful sign, I find on inquiry that in many instances this increase in the number of inmates is ascribed to the fact that many of the children of the soldiers who are giving their services to their country, had to be provided for. After the war is over and the fathers return, we hope that many of these children will be returned to their homes.

My visits of inspection to a few of these institutions throughout the Province, lead me to believe that these institutions are with very few exceptions, conducted in a commendable manner. The domestic arrangements were found, in nearly every Orphanage, to be very carefully looked after. The children looked comfortable and happy, and seemed in every instance to be well cared for.

A great deal of credit is due to those in charge of these institutions, who give their time and very often their means, in order to look after these poor and unfortunate children. It has been said that the best institution is a poor substitute for a home. This is quite true, and there is a feeling abroad that some effort should be made to secure homes for these children where they would be in touch with the humanizing influences of home life and family affection. This might be done with a certain class of children, but institutions for the care of children will never be entirely abandoned, as there will always be a class of children who will always have to be maintained in our institutions no matter how extended the placing out system, because of the natural preference of foster parents for children of the better type.

FOOD PRODUCTION.

The Hospitals and Public Charities throughout the Province are to be congratulated upon their ready response to the call for more food production during the period of the war. Those who were fortunate enough to have a few acres of land, in many instances produced enough vegetables and fruit to supply the institutions for a year. This has been quite a help in keeping down the cost of

maintenance. The interest shown in this work by those interested augers well for the continuance of food production in our institutions, after the war is over.

DENTAL SERVICE IN HOSPITALS.

The time has arrived when every hospital throughout the Province, particularly in its larger centres, should consider the advisability of establishing a dental service in connection with the hospital. This is considered necessary by many of the medical profession if the best interests of the hospital patients are to be served. This should be established upon the same basis as the medical and surgical service. This service could be made hygienic as well as curative. The medical profession are a unit to-day in believing that many of the ills that flesh is heir to are due to defective teeth and septic conditions in the oral cavity.

It was probably never clearly realized before the number of people who had defective teeth until we began examining recruits for overseas service. Thousands of men were rejected and this became so serious that the Militia Department opened dental clinics where these conditions were remedied and men made fit for service.

Medical inspection of schools has shown that at the initial inspection over 90 per cent. of the children have defective teeth which has a deteriorating influence on their school work besides being a menace to their health.

Many people cannot afford to pay for dental treatment and the teeth are neglected until their general health is impaired. For the deserving people of this class an outdoor dental clinic should be established in connection with the service where they could have free dental treatment. It is equally important that an adequate service should be given patients in the hospital. The various details of the service would have to be worked out according to the size and requirements of the particular community, but in any case the time is ripe for a beginning.

HOSPITAL ASSOCIATION.

I had the pleasure of attending the annual meeting of the American Hospital Association held at Atlantic City, September, 1918. The convention was very largely attended, about six hundred delegates being present.

All the papers and discussions were interesting and instructive, although dealing largely with war conditions in relation to our civic hospitals. One of the principal questions discussed was the problem of financing our institutions owing to the high cost of commodities and the shortage of domestic help. This has been a very serious problem in most hospitals during the war period.

A round table talk on matters affecting the smaller hospitals was very much appreciated.

These associations are very helpful to those engaged in hospital work, and I would like very much to see the Ontario Hospital Association revived, where those engaged in hospital work in this Province could get together and discuss matters which particularly affect hospitals in our own Province.

OFFICIAL REGULATIONS.

To those engaged in the management of Hospitals and Public Charities, attention is drawn to the fact that we have Official Regulations issued by the Department which are still in force, and which must be complied with. Boards of management and superintendents should make themselves familiar with these Regulations, so that they may conform to the wishes of the Department. In some cases this is not being done, and attention is drawn to this fact.

TABLE I.—Showing the general movements in each hospital separately.

Hospitals.	Location.	Capacity in beds.	Number remaining under treatment on 1st Oct., 1917.	Number admitted during the year ending 30th Sept., 1918.	Number of births in hospital during the year.	Total number under treatment during the year ending 30th Sept., 1918.	Number discharged during the year.	Number who died during the year.	Number remaining under treatment on 30th Sept., 1918.
Victoria Hospital	Almonte.....	14	5	98	30	133	117	8	8
Royal Victoria Hospital	Barrie.....	65	19	552	63	634	578	22	34
General Hospital	Belleville.....	100	30	1,977	114	1,321	1,130	51	40
General Hospital	Bowmanville.....	25	12	215	35	352	220	23	9
General Hospital	Brantford.....	125	95	1,835	165	2,095	1,851	128	116
Brant Sanitarium		24	21	33	.....	44	19	11	14
General Hospital	Brockville.....	70	36	926	74	1,036	954	36	46
St. Vincent de Paul Hospital		95	47	1,975	63	1,185	1,080	47	58
Lady Minto Hospital	Chapleau.....	20	9	176	27	212	194	8	10
General Hospital	Chatham.....	85	31	899	58	988	893	46	49
St. Joseph's Hospital		100	39	747	89	875	774	53	48
Cottage Hospital	Cobourg.....	34	14	174	28	216	194	12	10
Lady Minto Hospital	Cochrane.....	25	17	225	31	275	249	14	10
General and Marine Hospital	Collingwood.....	60	33	407	33	473	418	27	28
General Hospital	Cornwall.....	60	25	503	38	566	509	25	32
Hotel Dieu Hospital		105	38	744	29	811	734	40	37
Royal Alexandra Hospital	Fergus.....	60	24	295	16	335	297	23	15
McKellar General Hospital	Fort William.....	160	64	2,243	200	2,507	2,361	79	67
General Hospital	Galt.....	65	46	683	100	829	739	52	38
General and Marine Hospital	Goderich.....	14	2	138	30	170	154	7	9
Muskoka Cottage Sanitarium	Gravenhurst.....	78	61	146	.....	207	143	10	54
Muskoka Free Hosp. for Con.		330	259	475	.....	734	423	.....	311
General Hospital	Guelph.....	100	53	1,401	120	1,574	1,469	45	60
St. Joseph's Hospital		68	45	753	41	839	779	24	36
City Hospital	Hamilton.....	490	276	6,286	389	6,951	6,342	339	270
St. Joseph's Hospital		129	63	1,946	180	2,209	2,011	110	88
Mountain Sanitarium		168	164	196	.....	360	161	40	159
Providence Hospital	Haileybury.....	84	33	739	33	805	744	31	30
General Hospital	Ingersoll.....	30	13	156	31	200	162	24	14
General Hospital	Kenora.....	35	17	215	20	252	226	12	14
St. Joseph's Hospital		40	13	145	5	163	133	13	17
General Hospital	Kincardine.....	17	6	130	19	155	139	9	7
General Hospital	Kingston.....	275	129	3,277	129	3,535	3,302	123	110
Hotel Dieu Hospital		169	83	1,888	105	2,076	1,915	93	68
Essex Health Association	Kingsville.....	50	21	64	.....	85	44	9	32
Kitchener and Waterloo Hosp.	Kitchener.....	70	39	871	73	983	890	53	40
General Hospital	London.....	350	182	3,404	247	3,833	3,456	185	192
St. Joseph's Hospital		153	90	1,741	156	1,987	1,825	62	100
Queen Alexandra Sanitarium	"	263	104	325	.....	429	185	5	239
Victoria Home for Incurables.	"	54	53	27	.....	89	6	24	50
Ross Memorial Hospital	Lindsay.....	35	16	378	47	441	393	30	18
General Hospital	Mattawa.....	50	22	275	.....	297	270	5	22
General Hospital	Midland.....	18	8	216	24	248	232	9	7
General Hospital	Niagara Falls.....	30	27	517	89	633	579	29	25
Lady Minto Hospital	New Liskeard.....	25	8	181	23	212	194	12	6
Queen Victoria Hospital	North Bay.....	40	10	407	52	469	438	12	19
General Hospital	Orangeville.....	20	9	123	17	149	125	15	9
General Hospital	Orillia.....	30	17	580	88	685	640	23	22
General Hospital	Oshawa.....	50	22	632	71	725	663	43	19
General Protestant Hospital	Ottawa.....	160	120	2,547	.....	2,667	2,406	123	138
Roman Catholic Hospital		300	124	3,082	2	3,208	2,884	134	190
Maternity Hospital	"	26	36	596	571	1,203	1,151	21	31
Misericordia Maternity Hosp.	"	195	135	240	253	628	412	81	135
Perley Home for Incurables.	"	54	40	24	.....	64	10	10	44
Royal Sanatorium	"	68	47	125	.....	172	67	45	60
St. Luke's General Hospital.		150	90	2,665	3	2,758	2,532	94	132
General and Marine Hospital.	Owen Sound.....	60	31	650	75	756	706	17	33
General Hospital	Parry Sound.....	40	14	252	18	284	260	9	15
St. Joseph's Hospital		40	13	333	46	392	362	15	15
General Hospital	Pembroke.....	95	41	889	18	948	842	51	55
The Cottage Hospital		32	7	317	30	354	332	12	10
General Hospital	Penetanguishene.....	18	5	169	41	215	202	10	3
Nicholls' Hospital	Peterborough.....	80	40	1,096	134	1,270	1,163	71	36
St. Joseph's Hospital		50	18	628	37	683	627	24	32
C. E. Englehart Hospital.	Portolea.....	20	9	159	12	180	155	16	9
Railway, Marine & Gen. Hosp.	Port Arthur.....	56	16	774	56	846	786	35	25
St. Joseph's Hospital		200	29	882	92	1,003	919	33	51
General Hospital	Port Hope.....	25	14	244	33	291	255	28	8
Victoria General Hospital	Renfrew.....	30	28	502	68	598	534	33	31
General and Marine Hospital.	St. Catharines.....	90	39	1,173	233	1,445	1,298	96	51
Consumptive Sanitarium		20	12	33	.....	45	28	10	7
Amasa Wood Hospital	St. Thomas.....	56	37	934	169	1,140	1,041	60	39
General Hospital	Sarnia.....	56	35	578	106	719	613	56	50
General Hospital	Sault Ste. Mar.....	84	30	824	54	908	832	42	34
Royal Victoria Hospital.		20	12	396	39	447	408	23	16
Public Hospital	Smith's Falls.....	65	21	424	65	510	463	24	23
St. Francis' Hospital		40	25	453	45	523	475	21	27
General Hospital	Stratford.....	75	30	621	76	727	658	30	39
General Hospital	Strathroy.....	20	7	170	11	188	159	17	12
St. Joseph's Hospital	Sudbury.....	140	92	1,594	69	1,735	1,590	86	79

TABLE I.—Showing the general movements in each hospital separately.—Concluded.

Hospitals.	Location.	Capacity in beds.	Number remaining under treatment on 1st Oct., 1917.	Number admitted during the year ending 30th Sept., 1918.	Number of births in hospital during the year.	Total number under treatment during the year ending 30th Sept., 1918.	Number discharged during the year.	Number who died during the year.	Number remaining under treatment on 30th Sept., 1918.
General Hospital	Toronto.....	740	505	11,878	855	13,338	11,912	662	664
Grace Hospital	"	128	125	2,353	393	2,871	2,671	100	100
Hospital for Sick Children.....	"	250	183	4,865	.....	5,048	4,487	359	202
Orthopedic Hospital	"	35	24	308	.....	332	340	1	18
The Preventorium	"	60	46	77	.....	123	82	.....	41
St. John's Hospital	"	40	19	332	.....	351	314	11	26
St. Michael's Hospital	"	350	249	4,444	402	5,095	4,560	269	266
Wellesley Hospital	"	240	233	65	.....	298	14	55	229
Western Hospital	"	75	57	1,698	212	1,967	1,863	32	72
Toronto Hospital for Incurables	"	253	166	4,020	514	4,700	4,236	278	186
Women's College Hospital	"	28	27	425	156	698	541	27	37
General Hospital	Walkerton....	35	9	175	8	192	169	19	13
General Hospital	Welland.....	50	27	1,146	40	1,313	1,126	65	22
Toronto Free Hosp. for Con.....	Weston.....	390	317	453	.....	770	264	181	325
King Edward Sanatorium	"								
Queen Mary Hosp. for Children.	"								
Hotel Dieu Hospital	Windsor....	150	46	1,525	175	1,746	1,559	131	56
General Hospital	Wingham....	25	6	182	15	203	187	8	8
General Hospital	Woodstock..	60	26	490	62	578	505	40	33
Totals for 1918.....	.....	5,732	98,339	8,360	112,431	100,318	5,669	6,444	
Totals for 1917.....	.....	5,287	91,013	7,365	103,365	92,583	5,651	5,431	

TABLE II.—Showing the collective stay in days of the adult and infant patients, also the average length of time each patient was under treatment.

Hospitals.	Location.	No. of patients, including infants born.	Collective stay of infants under one year of age.	Collective stay of adult patients.	Total collective stay of adults and infants.	Average stay of each patient, including infants.
Victoria Hospital	Almonte.	133	438	1,509	1,947	14.3
Royal Victoria Hospital	Barrie.	634	821	16,133	16,954	26.7
General Hospital	Belleville.	1,321	1,332	15,637	16,869	13.8
General Hospital	Bowmanville.	252	489	3,495	3,984	15.8
General Hospital	Brantford.	2,095	2,300	29,059	31,359	14.9
Brant Sanatorium		44	.....	6,677	6,677	151.7
General Hospital	Brockville.	1,036	1,279	19,240	20,519	19.8
St. Vincent de Paul Hospital		1,185	999	20,859	21,858	18.4
Lady Minto Hospital	Chapleau.	212	1	3,174	3,175	14.9
General Hospital	Chatham.	988	752	16,540	17,292	17.6
St. Joseph's Hospital		875	1,351	12,292	13,543	15.4
Cottage Hospital	Cobourg.	216	414	2,731	3,145	14.5
Lady Minto Hospital	Cochrane.	273	1	5,020	5,021	18.4
General and Marine Hospital	Collingwood.	473	892	10,082	10,974	23.2
General Hospital	Cornwall.	566	530	9,254	9,784	17.2
Hotel Dieu Hospital		811	373	11,226	11,599	14.3
Royal Alexandra Hospital	Fergus.	325	160	7,532	7,692	22.9
McKellar General Hospital	Fort William.	2,507	3,556	32,908	36,464	10.5
General Hospital	Galt.	829	1,546	15,083	16,629	20.0
General and Marine Hospital	Goderich.	170	323	1,929	2,352	13.2
Muskoka Cottage Sanatorium	Gravenhurst.	207	.....	20,672	20,672	99.8
Muskoka Free Hospital for Consump.	"	734	.....	81,936	81,936	111.6
General Hospital	Guelph.	1,574	1,429	21,914	23,343	14.8
St. Joseph's Hospital		839	841	11,147	11,988	14.2
City Hospital	Hamilton.	6,951	8,431	94,639	103,070	14.8
St. Joseph's Hospital	"	2,209	2,622	28,729	31,351	14.1
Mountain Sanatorium	"	360	.....	58,974	58,974	163.8
Providence Hospital	Halleybury.	805	460	11,459	11,919	14.8
General Hospital	Ingersoll.	900	374	3,216	3,590	17.9
General Hospital	Kenora.	252	249	5,796	6,045	23.9
St. Joseph's Hospital		163	80	6,321	6,401	39.2
General Hospital	Kincardine.	155	213	1,572	1,785	11.5
General Hospital	Kingston.	3,535	446	59,131	59,577	16.8
Hotel Dieu Hospital		2,076	1,491	35,725	37,216	17.9
Essex Health Association	Kingsville.	85	.....	10,108	10,108	118.9
Kitchener and Waterloo Hospital	Kitchener.	983	887	12,205	13,092	13.3
General Hospital	London.	3,833	4,195	66,108	70,303	18.3
St. Joseph's Hospital	"	1,987	2,223	30,118	32,341	16.2
Queen Alexandra Sanatorium.	"	429	.....	30,094	20,094	46.8
Victoria Home for Incurables.	"	80	.....	18,535	18,535	231.6
Ross Memorial Hospital	Lindsay.	441	610	6,027	6,637	15.0
General Hospital	Mattawa.	297	.....	9,269	9,269	51.2
General Hospital	Midland.	248	271	3,167	3,438	13.8
General Hospital	Niagara Falls.	633	926	8,424	9,360	14.6
Lady Minto Hospital	New Liskeard.	212	264	3,743	4,007	18.9
Queen Victoria Hospital	North Bay.	469	588	5,314	5,902	12.5
General Hospital	Orangeville.	149	207	2,472	2,679	17.9
General Hospital	Orillia.	685	25	8,244	8,269	12.0
General Hospital	Oshawa.	725	1,046	7,406	8,452	11.6
General Protestant Hospital	Ottawa.	2,667	862	44,225	45,087	16.9
Roman Catholic Hospital	"	3,208	896	58,384	59,380	18.4
Maternity Hospital	"	1,203	6,805	7,485	14,290	11.8
Misericordia Maternity Hospital	"	628	29,351	16,561	45,912	73.1
Perley Home for Incurables.	"	64	.....	15,657	15,657	244.6
Royal Sanatorium	"	172	.....	22,087	22,087	128.4
St. Luke's General Hospital	"	2,758	858	41,846	42,704	15.4
General and Marine Hospital	Owen Sound.	756	951	9,057	10,008	13.2
General Hospital	Parry Sound.	284	259	4,446	4,705	16.5
St. Joseph's Hospital		392	644	4,936	5,580	14.2
General Hospital	Pembroke.	948	308	15,607	15,915	16.7
The Cottage Hospital		354	507	4,285	4,792	13.5
General Hospital	Penetanguishene.	215	470	1,379	1,849	8.6
Nicholls' Hospital	Peterborough.	1,270	1,835	15,077	16,915	13.3
St. Joseph's Hospital		683	480	7,892	8,372	12.2
C. E. Englehart Hospital	Petrolia.	180	218	3,235	3,553	19.7
Railway, Marine and General Hosp.	Port Arthur.	846	608	10,522	11,130	13.1
St. Joseph's Hospital	"	1,003	150	16,056	16,206	16.1
General Hospital	Port Hope.	291	391	3,517	3,938	13.5
Victoria General Hospital	Renfrew.	598	812	7,516	8,238	13.9
General and Marine Hospital	St. Catharines.	1,445	2,672	17,895	20,567	14.2
Consumptive Sanatorium		45	.....	3,504	3,504	77.8
Amasa Wood Hospital	St. Thomas.	1,140	1,626	8,349	9,975	8.9
General Hospital	Sarnia.	719	461	11,301	11,762	16.2
General Hospital	Sault Ste. Marie.	908	35	18,695	18,730	20.6
Royal Victoria Hospital.		447	10	4,231	4,341	9.7
Public Hospital	Smith's Falls.	510	846	6,881	7,727	15.1
St. Francis' Hospital	"	523	555	5,950	6,505	12.4
General Hospital	Stratford.	727	967	12,447	13,414	18.4
General Hospital	Strathroy.	188	111	3,562	3,673	19.5

TABLE II.—Showing the collective stay in days of the adult and infant patients, also the average length of time each patient was under treatment.—Concluded.

Hospitals.	Location.	No. of patients, including infants born.	Collective stay of infants under one year of age.	Collective stay of adult patients.	Total collective stay of adults and infants.	Average stay of each patient, including infants.
St. Joseph's Hospital	Sudbury	1,755	1,237	31,035	32,272	12.6
General Hospital	Toronto	13,338	2,311	208,076	210,387	15.8
Grace Hospital	"	2,871	303	36,931	37,234	12.9
Hospital for Sick Children	"	5,048	.....	70,153	70,153	13.8
Orthopedic Hospital	"	332	26	7,797	7,823	23.5
The Preventorium	"	123	.....	16,268	16,268	13.2
St. John's Hospital	"	551	10	7,488	7,498	21.3
St. Michael's Hospital	"	5,095	894	92,070	92,964	18.2
Toronto Hospital for Incurables	"	398	.....	85,693	85,693	253.8
Wellesley Hospital	"	1,967	2,564	21,267	23,831	12.1
Western Hospital	"	4,700	2	63,816	63,818	13.5
Women's College Hospital	"	608	4	5,962	5,966	9.8
General Hospital	Walkerton	192	141	3,468	3,549	18.4
General Hospital	Welland	1,213	566	10,133	10,689	8.8
Toronto Free Hosp. for Consumptives	Weston	.....	.....	123,632	123,632	160.5
King Edward Sanatorium	"	770	.....	.....	.....	.....
Queen Mary Hospital for Children	"	.....	.....	.....	.....	.....
Hotel Dieu Hospital	Windsor	1,746	1,905	18,989	20,894	11.9
General Hospital	Wingham	303	219	2,951	3,170	15.6
General Hospital	Woodstock	578	769	8,565	9,334	16.1
Totals for 1918	.....	112,431	109,887	2,099,894	2,209,781	19.6
Totals for 1917	.....	103,665	99,605	1,884,856	1,984,461	19.2

TABLE III.—Showing the deductions which have to be made from the collective stay of patients for the protracted residence of incurables, lying-in cases, etc. For persons coming within these classes only seven cents per day is allowed.

Hospitals.	Location.	Collective days' stay, exclusive of infants under one year of age.	Deduct for incurables and lying-in cases for which only Refuge rate is allowed, also deduct the days' stay of patients who paid over \$8.75 per week.	No. of days' stay for which hospital allowance is made.
Victoria Hospital.	Almonte.	1,509	1,033	486
Royal Victoria Hospital.	Barrie.	16,133	8,984	7,149
General Hospital.	Belleville.	15,637	8,353	7,284
General Hospital.	Bowmanville.	3,495	167	3,328
General Hospital.	Brantford.	29,059	12,813	16,246
Brant Sanitarium.	"	6,677	.....	6,677
General Hospital.	Brockville.	19,240	15,550	3,690
St. Vincent de Paul Hospital.	"	20,859	13,107	7,752
Lady Minto Hospital.	Chapleau.	3,174	832	2,342
General Hospital.	Chatham.	16,540	15,277	1,263
St. Joseph's Hospital.	"	12,292	10,682	1,610
Cottage Hospital.	Cobourg.	2,731	34	2,697
Lady Minto Hospital.	Cochrane.	5,020	1,653	3,367
General and Marine Hospital.	Collingwood.	10,082	7,286	2,796
General Hospital.	Cornwall.	9,254	4,805	4,449
Hotel Dieu Hospital.	"	11,236	2,998	8,238
Royal Alexandra Hospital.	Fergus.	7,532	5,906	1,626
McKellar General Hospital.	Fort William.	23,908	15,813	7,090
General Hospital.	Galt.	15,032	10,177	4,906
General and Marine Hospital.	Goderich.	1,929	1,326	603
Muskoka Cottage Sanitarium.	Gravenhurst.	20,672	.....	20,672
Muskoka Free Hosp. for Cons.	"	81,936	.....	81,936
General Hospital.	Guelph.	21,914	18,597	3,317
St. Joseph's Hospital.	"	11,147	9,187	1,960
City Hospital.	Hamilton.	94,639	41,431	53,208
St. Joseph's Hospital.	"	28,729	16,592	12,137
Mountain Sanitarium.	"	58,974	.....	58,974
Providence Hospital.	Haileybury.	11,459	1,994	9,465
General Hospital.	Ingersoll.	3,216	317	2,899
General Hospital.	Kenora.	5,796	5,220	576
St. Joseph's Hospital.	"	6,321	4,638	1,683
General Hospital.	Kincardine.	1,572	55	1,517
Hotel Dieu Hospital.	Kingston.	59,131	41,869	17,262
Essex Health Association.	"	35,725	20,292	15,433
Kitchener and Waterloo Hospital.	Kingsville.	10,108	.....	10,108
General Hospital.	Kitchener.	12,205	11,118	1,087
St. Joseph's Hospital.	London.	66,108	47,003	19,105
Queen Alexandra Sanitarium.	"	33,118	26,623	3,495
Victoria Home for Incurables.	"	20,094	.....	20,094
Ross Memorial Hospital.	"	18,535	10,474	8,061
General Hospital.	Lindsay.	6,027	4,107	1,920
General Hospital.	Mattawa.	9,269	3,027	6,242
General Hospital.	Midland.	3,167	2,366	801
Lady Minto Hospital.	New Liskeard.	3,743	3,564	179
General Hospital.	Niagara Falls.	8,424	7,565	859
Queen Victoria Hospital.	North Bay.	5,314	4,103	1,211
General Hospital.	Orangeville.	2,472	402	2,070
General Hospital.	Orillia.	8,344	1,443	6,801
General Hospital.	Oshawa.	7,406	252	7,154
General Protestant Hospital.	Ottawa.	44,225	30,395	13,830
Roman Catholic Hospital.	"	58,384	37,243	21,141
Maternity Hospital.	"	7,185	5,871	1,614
Misericordia Maternity Hospital.	"	16,561	13,378	3,183
Perley Home for Incurables.	"	15,657	9,296	6,361
St. Luke's General Hospital.	"	41,846	33,624	8,222
Royal Sanitarium.	"	22,087	321	21,766
General and Marine Hospital.	Owen Sound.	9,057	8,111	946
General Hospital.	Parry Sound.	4,146	4,242	204
St. Joseph's Hospital.	"	4,936	372	4,564
General Hospital.	Pembroke.	15,607	4,766	10,841
The Cottage Hospital.	"	4,285	3,857	428
General Hospital.	Penetanguishene.	1,379	36	1,343
Nicholls' Hospital.	Peterborough.	15,077	8,521	6,556
St. Joseph's Hospital.	"	7,892	3,863	4,029
C. E. Englehart Hospital.	Petrolia.	3,335	314	3,021
Railway, Marine and Gen. Hosp.	Port Arthur.	10,522	947	9,575
St. Joseph's Hospital.	"	16,056	12,923	3,133
General Hospital.	Port Hope.	3,547	681	2,866
Victoria General Hospital.	Renfrew.	7,516	4,000	3,516
General and Marine Hospital.	St. Catharines.	17,895	13,182	4,713
Consumptive Sanitarium.	"	3,504	.....	3,504
Amasa Wood Hospital.	St. Thomas.	8,349	3,521	4,828
General Hospital.	Sarnia.	11,301	8,592	2,709
General Hospital.	Sault Ste. Marie.	18,695	13,391	5,304
Royal Victoria Hospital.	"	4,331	573	3,758
Public Hospital.	Smith's Falls.	6,881	931	5,950
St. Francis' Hospital.	"	5,950	1,613	4,337

TABLE III.—Showing the deductions which have to be made from the collective stay of patients for the protracted residence of incurables, lying-in cases, etc. For persons coming within these classes only seven cents per day is allowed.—Continued.

Hospitals.	Location.	Collective days' stay, exclusive of infants under one year of age.	Deduct for incurables and lying-in cases for which only Refuge rate is allowed, also deduct the days' stay of patients who paid over \$7.00 per week.	No. of days' stay for which hospital allowance is made.
General Hospital	Stratford.....	12,447	7,279	5,168
General Hospital	Strathroy.....	3,562	542	3,020
St. Joseph's Hospital	Sudbury.....	31,035	17,612	13,423
General Hospital	Toronto.....	208,076	145,409	62,667
Grace Hospital	".....	26,931	28,451	8,480
Hospital for Sick Children.....	".....	70,153	39,538	39,615
Orthopedic Hospital	".....	7,797	7,727	70
The Preventorium	".....	16,268	.....	16,268
St. John's Hospital	".....	7,485	627	6,861
St. Michael's Hospital	".....	92,070	46,439	45,631
Toronto Hospital for Incurables..	".....	85,692	53,232	32,361
Wellesley Hospital	".....	21,267	21,017	250
Western Hospital	".....	63,816	48,439	15,377
Women's College Hospital.....	".....	5,962	39	5,923
General Hospital	Walkerton.....	3,408	2,689	719
General Hospital	Welland.....	10,133	602	9,531
Toronto Free Hos. for Con.....	Weston.....	.....	.....	.....
King Edward Sanatorium.....	".....	122,632	1,206	122,426
Queen Mary Hosp. for Children..	".....	.....	.....	.....
Hotel Dieu Hospital	Windsor.....	18,989	7,350	11,639
General Hospital	Wingham.....	2,951	2,615	336
General Hospital	Woodstock.....	8,565	4,968	3,597
Totals for 1918.....	.....	2,099,894	1,070,475	1,029,419
Totals for 1917.....	.....	1,884,856	711,253	1,173,603

TABLE IV.—Relative to income of Hospitals.

Hospitals.	Location.	Amount received from municipalities as a grant and for patients' maintenance.	Amount received from patients for board.	Amount received as income from property or investments belonging to hospital.	Subscriptions and donations of private individuals and incidental receipts.	Total receipts from all sources other than the Government grant.
		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Victoria Hospital.....	Almonte.....	460 00	2,223 34	370 39	1,651 82	4,708 55
Royal Victoria Hospital....	Barrie.....	1,141 25	14,699 85	482 50	1,210 30	17,533 90
General Hospital.....	Belleville.....	2,300 00	27,680 05	149 00	1,650 66	31,779 71
General Hospital.....	Bowmanville.....	1,185 00	7,961 25	132 00	1,041 90	10,320 13
General Hospital.....	Brantford.....	34,582 65	37,833 00	1 89	2,676 67	75,094 81
Brant Sanitarium.....	.....	5,852 58	1,998 68	.....	6,571 07	14,422 33
General Hospital.....	Brockville.....	2,009 00	23,755 05	1,152 34	2,357 13	29,264 57
St. Vincent de Paul Hospital.	.....	2,352 75	21,682 01	.....	5,245 61	29,378 37
Lady Minto Hospital.....	Chapleau.....	.....	3,667 72	.....	4,112 50	7,780 22
General Hospital.....	Chatham.....	3,164 86	31,244 59	.....	.....	34,409 45
St. Joseph's Hospital.....	.....	645 88	20,035 09	.....	995 02	21,675 99
Cottage Hospital.....	Cobourg.....	743 00	5,970 62	.....	1,454 08	8,167 70
Lady Minto Hospital.....	Cochran.....	950 00	3,367 35	.....	2,309 85	5,927 10
General and Marine Hosp.	Collingwood.....	1,400 00	12,998 00	.....	553 61	14,952 51
General Hospital.....	Cornwall.....	2,325 00	12,439 80	1,017 23	6,285 77	22,057 80
Hotel Dieu Hospital.....	.....	2,325 00	7,295 86	.....	7,094 28	16,715 14
Royal Alexandra Hospital....	Fergus.....	1,918 00	13,737 32	.....	424 71	16,070 03
McKellar General Hospital	Port William.....	13,241 62	35,902 55	.....	792 78	49,336 95
General Hospital.....	Galt.....	5,100 00	18,454 24	400 00	4,897 56	28,851 80
Gen. and Marine Hospital....	Goderich.....	1,000 00	3,635 61	75 00	1,495 51	6,206 11
Muskoka Cott. Sanitarium....	Gavenhurst.....	.....	56,149 10	2,361 92	21,804 54	80,315 56
Muskoka Free Hos. for Con.	.....	66,878 90	10,014 50	6,374 49	65,647 16	148,315 05
General Hospital.....	Guelph.....	3,812 00	41,726 32	.....	2,360 34	47,918 66
St. Joseph's Hospital.....	.....	3,745 75	17,037 73	.....	1,171 75	21,954 23
St. Joseph's Hospital.....	Hamilton.....	136,125 10	98,993 96	585 00	.....	235,119 06
Sty Hospital.....	.....	2,523 05	41,722 73	.....	.....	44,840 78
Mountain Sanitarium.....	.....	37,877 75	12,340 88	498 25	.....	50,716 88
Providence Hospital.....	Haileybury.....	1,155 25	19,716 00	803 00	4,727 50	26,401 75
General Hospital.....	Ingersoll.....	1,500 00	5,017 60	.....	1,023 28	7,540 88
General Hospital.....	Kenora.....	1,000 00	6,637 50	.....	1,558 15	9,195 65
St. Joseph's Hospital.....	.....	1,600 75	4,575 15	1,069 89	789 12	8,034 91
General Hospital.....	Kincardine.....	1,810 00	2,751 32	.....	460 50	5,021 82
General Hospital.....	Kingston.....	18,470 00	74,853 48	.....	6,169 13	99,492 61
Hotel Dieu Hospital.....	.....	6,750 00	33,376 76	.....	7,750 63	47,877 39
Essex Health Association....	Kingsville.....	5,822 62	5,125 15	202 08	4,227 74	15,378 59
Kitchener & Waterloo Hosp.	Kitchener.....	3,800 00	24,768 40	109 60	6,972 87	35,650 87
General Hospital.....	London.....	79,558 90	77,562 37	750 69	25,213 57	183,085 53
St. Joseph's Hospital.....	.....	2,269 50	71,079 74	.....	.....	73,349 24
Queen Alexandra Sanitarium	".....	108,718 95	4,267 85	2,040 00	440 00	115,466 80
Ross Memorial Hospital.....	.....	1,369 50	11,609 65	578 96	168 57	13,726 68
General Hospital.....	Lindsay.....	1,700 00	8,725 15	2,575 61	1,741 26	14,742 02
General Hospital.....	Mattawa.....	75 00	3,422 04	1,410 00	411 00	5,348 04
General Hospital.....	Midland.....	500 00	6,280 46	.....	21 65	6,802 11
Lady Minto Hospital.....	Niagara Falls.....	4,275 00	14,788 92	.....	1,873 84	20,937 76
Victoria Home for Incurables.	New Liskeard.....	200 00	4,507 18	.....	2,365 70	7,042 27
Queen Victoria Hospital....	North Bay.....	1,235 75	8,740 70	.....	1,750 86	11,727 31
General Hospital.....	Orangeville.....	400 00	5,589 27	.....	199 25	6,188 52
General Hospital.....	Orillia.....	1,350 80	12,106 60	63 25	41 20	13,561 85
General Hospital.....	Oshawa.....	1,200 00	15,159 66	259 14	116 50	16,735 30
General Protestant Hospital.	Ottawa.....	20,896 50	69,944 55	.....	11,037 85	101,878 90
Roman Catholic Hospital....	.....	22,444 90	63,398 07	.....	73,049 58	159,442 55
Maternity Hospital.....	.....	2,375 00	20,617 91	.....	699 43	23,692 34
Misericordia Maternity Hos.	".....	3,643 75	3,146 70	.....	15,553 66	22,344 11
Perley Home for Incurables.	".....	2,875 00	4,175 50	1,549 11	8,287 33	16,886 94
Royal Sanatorium.....	".....	27,674 07	2,723 42	.....	.....	30,397 49
St. Luke's General Hospital	.....	10,029 55	72,574 22	260 00	8,851 46	91,715 23
General and Marine Hosp....	Owen Sound.....	2,100 00	17,617 81	90 00	1,267 05	21,074 86
General Hospital.....	Parry Sound.....	77 50	6,875 65	.....	1,814 16	8,767 31
St. Joseph's Hospital.....	.....	146 75	7,220 10	.....	31 00	7,397 85
General Hospital.....	Pembroke.....	2,886 25	14,361 20	.....	1,058 92	18,306 37
The Cottage Hospital.....	.....	1,637 82	7,429 69	80 00	3,132 89	12,280 40
General Hospital.....	Penetanguishene.....	800 00	1,446 80	.....	2,570 72	4,817 52
Nicholls' Hospital.....	Peterborough.....	679 00	23,430 89	10,474 65	500 00	35,075 54
St. Joseph's Hospital.....	.....	431 00	11,874 89	.....	549 76	12,855 65
C. E. Englehart Hospital....	Petrolia.....	1,000 00	5,624 07	.....	3,052 91	9,676 98
Ry., Marine & Gen. Hosp....	Port Arthur.....	5,888 26	16,579 04	306 96	2,072 60	24,846 86
St. Joseph's Hospital.....	.....	4,869 26	21,979 62	.....	3,609 03	30,457 98
General Hospital.....	Port Hope.....	700 00	7,094 26	560 00	347 34	8,701 60
Victoria General Hospital....	Renfrew.....	1,655 02	9,863 29	.....	3,901 46	15,419 87
General and Marine Hospital	St. Catharines.....	8,218 00	21,128 50	48 35	5,997 42	38,392 27
Consumptive Sanatorium....	.....	2,276 25	679 50	144 30	560 63	4,660 68
Amasa Wood Hospital.....	St. Thomas.....	6,487 50	15,570 76	316 61	105 58	22,460 45
General Hospital.....	Sarnia.....	2,800 00	19,400 78	1,458 18	298 13	23,957 09
General Hospital.....	Sault Ste. Marie.....	2,420 75	24,519 41	.....	11,321 26	38,261 42
Royal Victoria Hospital....	.....	243 00	7,399 91	.....	2,970 00	10,612 91
Public Hospital.....	Smith's Falls.....	1,550 00	15,111 61	976 34	3,644 80	21,282 75
St. Francis' Hospital.....	.....	800 00	3,910 00	.....	4,860 00	9,570 00
General Hospital.....	Stratford.....	4,445 00	19,159 87	25 00	3,238 33	26,868 20
General Hospital.....	Strathroy.....	1,374 50	5,481 18	.....	1,036 40	7,892 08

TABLE IV.—Relative to income of Hospitals.—Concluded.

Hospitals.	Location.	Amount received from municipalities as grant and patients' maintenance.	Amount received from patients for board.	Amount received as income from property or investments belonging to hospital.	Subscriptions and donations of private individuals and incidental receipts.	Total receipts from all sources other than the Government Grant.
		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
St. Joseph's Hospital	Sudbury	380 00	35,531 56	2,200 00	6,733 00	44,834 56
General Hospital	Toronto	147,491 73	370,011 00	51,639 09	11,181 01	680,322 83
Grace Hospital	"	16,160 56	60,552 80	2,586 84		79,300 20
Hospital for Sick Children	"	65,545 48	32,767 00	2,619 18	93,715 11	191,646 50
Orthopedic Hospital	"		16,354 67	163 95	8,322 68	24,941 30
The Preventorium	"	11,306 40			334 38	11,640 78
St. John's Hospital	"	1,841 25	19,292 69	81 00	1,924 17	22,139 11
St. Michael's Hospital	"	59,527 00	102,457 68		7,431 20	169,415 98
Toronto Hos. for Incurables	"	37,980 20	21,308 79	3,308 23	41,350 74	103,047 96
Wellesley Hospital	"		136,102 12			136,102 12
Western Hospital	"	37,160 48	107,092 69		14,513 86	158,767 03
Women's College Hospital	"	1,940 62	11,088 70		379 66	13,408 98
General Hospital	Walkerton	1,710 00	5,252 34		878 63	7,840 97
General Hospital	Welland	2,000 00	15,843 74		1,647 86	19,491 60
Toronto Free Hos. for Con.	Weston					
King Edward Sanatorium	"	127,548 51	8,765 15	573 49	29,494 34	166,381 49
Queen Mary Hos. for Child'n	"					
Hotel Dieu Hospital	Windsor	1,813 25	22,645 87		5,605 95	30,065 17
General Hospital	Wingham	700 00	6,683 50		476 67	7,860 17
General Hospital	Woodstock	2,800 00	11,937 99	1,226 69	1,104 14	17,068 82
Totals for 1918		1,237,044 07	2,503,157 21	104,180 20	712,219 83	4,556,601 31
Totals for 1917		937,158 14	2,002,576 05	96,337 83	332,923 09	3,368,901 11

TABLE V.—Showing the basis on

Hospitals.	Location.	Collective days' stay upon which Hospital grants are based.
Victoria Hospital	Almonte	466
Royal Victoria Hospital	Barrie	7,149
General Hospital	Belleville	7,284
General Hospital	Bowmanville	3,328
General Hospital	Brantford	16,246
General Hospital	Brockville	3,690
St. Vincent de Paul Hospital		7,752
Lady Minto Hospital	Chapleau	2,342
General Hospital	Chatham	1,263
St. Joseph's Hospital		1,610
Cottage Hospital	Cobourg	2,697
Lady Minto Hospital	Cochrane	3,367
General and Marine Hospital	Collingwood	2,796
General Hospital	Cornwall	4,449
Hotel Dieu Hospital		8,228
Royal Alexandra Hospital	Fergus	1,626
McKellar General Hospital	Fort William	7,080
General Hospital	Galt	4,906
General and Marine Hospital	Goderich	603
General Hospital	Guelph	3,317
St. Joseph's Hospital		1,960
City Hospital	Hamilton	53,208
St. Joseph's Hospital		12,137
Providence Hospital	Haileybury	9,465
General Hospital	Ingersoll	2,839
General Hospital	Kenora	576
St. Joseph's Hospital		1,683
General Hospital	Kincardine	1,517
General Hospital	Kingston	17,262
Hotel Dieu Hospital		15,433
Kitchener and Waterloo Hospital	Kitchener	1,087
General Hospital	London	19,105
St. Joseph's Hospital	"	3,495
Victoria Home for Incurables	"	8,061
Ross Memorial Hospital	Lindsay	1,920
General Hospital	Mattawa	6,242
General Hospital	Midland	801
General Hospital	Niagara Falls	859
Lady Minto Hospital	New Liskeard	179
Queen Victoria Hospital	North Bay	1,211
General Hospital	Orangeville	2,070
General Hospital	Orillia	6,801
General Hospital	Oshawa	7,154
General Protestant Hospital	Ottawa	13,830
Roman Catholic Hospital	"	21,141
Maternity Hospital	"	1,614
Misericordia Maternity Hospital	"	3,183
Perley Home for Incurables	"	6,361
St. Luke's General Hospital	"	8,222
General and Marine Hospital	Owen Sound	946
General Hospital	Parry Sound	204
St. Joseph's Hospital		4,564
General Hospital	Pembroke	10,841
Cottage Hospital	"	428
General Hospital	Penetanguishene	1,343
Nicholls' Hospital	Peterborough	6,556
St. Joseph's Hospital	"	4,029
Charlotte E. Englehart Hospital	Petrolia	3,021
Railway, General and Marine Hospital	Port Arthur	9,575
St. Joseph's Hospital	"	3,133
General Hospital	Port Hope	2,866
Victoria General Hospital	Renfrew	3,516
General and Marine Hospital	St. Catharines	4,713
Amasa Wood Hospital	St. Thomas	4,828
General Hospital	Sarnia	2,709
General Hospital	Sault Ste. Marie	5,304
Royal Victoria Hospital	"	3,758
Public Hospital	Smith's Falls	5,950
St. Francis' Hospital	"	4,337
General Hospital	Stratford	5,168
General Hospital	Strathroy	3,020
St. Joseph's Hospital	Sudbury	13,423
General Hospital	Toronto	62,667
Grace Hospital	"	8,480
Hospital for Sick Children	"	39,615
Orthopedic Hospital	"	70
St. John's Hospital	"	6,861
St. Michael's Hospital	"	45,631
Toronto Hospital for Incurables	"	32,361
Wellesley Hospital	"	250
Western Hospital	"	15,377
Women's College Hospital	"	5,923
General Hospital	Walkerton	719
General Hospital	Welland	9,531
Hotel Dieu Hospital	Windsor	11,639
General Hospital	Wingham	336
General Hospital	Woodstock	3,597
Totals for 1918		666,994
Totals for 1917		837,755

which statutory aid is granted.

Amount of grant for proper Hospital cases.	Collective days' stay upon which computation of Refuge rate is based.	Computation of 7 cents per day being Refuge rate for improper cases for Hospital treatment.	Days at \$1.25	\$ c.	Amount payable to each Hospital from appropriation by the Legislature of 1918.
\$ c.		\$ c.		\$ c.	\$ c.
145 80	208	14 56			160 36
2,144 70	156	10 92			2,155 62
2,185 20	546	38 22			2,223 42
998 40	167	11 69			1,010 09
4,873 80	4,297	300 79			5,174 59
1,107 00	3,885	271 95			1,378 95
2,325 60	2,633	184 31			2,509 91
702 60	413	28 91	419	523 75	1,255 26
378 90	1,981	138 67			517 57
483 00	438	30 66			513 66
809 10	94	2 38			811 48
1,010 10	930	65 10	723	903 75	1,978 95
838 80	1,299	90 93			929 73
1,334 70	775	54 25			1,388 95
2,468 40	1,056	73 92			2,542 32
487 80	1,242	86 94			574 74
2,127 00	1,965	137 55	124	155 00	2,419 55
1,471 80	4,504	315 28			1,787 08
180 90	14	98			181 88
995 10	127	8 89			1,003 99
588 00	178	12 46			600 46
15,962 40	15,228	1,065 96			17,028 36
3,641 10	1,017	71 19			3,712 29
2,839 50	1,319	92 33	675	843 75	3,775 58
869 70	317	22 19			891 89
172 80	2,036	142 52	467	583 75	899 07
504 90	2,564	179 48	450	562 50	1,246 88
455 10	55	3 85			458 95
5,178 60	10,467	732 69			5,911 29
4,629 90	6,970	487 90			5,117 80
326 10	203	14 21			340 31
5,731 50	13,574	950 18			6,681 68
1,048 50	1,251	87 57			1,136 07
2,418 30	10,474	733 18			3,151 48
576 00	426	29 82			605 82
1,872 60	103	7 21	933	1,241 25	3,121 06
240 30	85	5 95			246 25
257 70	402	28 14			285 84
53 70			161	205 00	258 70
363 30	25	1 75	98	122 50	487 55
621 00	402	28 14			649 14
2,040 30	372	26 04			2,066 34
2,146 20	252	17 64			2,163 84
4,149 00	4,663	326 41			4,475 41
6,342 30	13,127	918 89			7,261 19
484 20					484 20
954 90	12,673	887 11			1,842 01
1,906 30	9,296	655 72			2,559 02
2,466 60	3,047	213 29			2,679 89
283 80	28	1 96			285 76
61 20	197	13 79	65	81 25	156 24
1,369 20	366	25 62	6	7 50	1,402 32
3,252 30	1,222	85 54			3,337 84
128 40	51	3 57			131 97
402 90	36	2 52			405 42
1,966 80	1,117	78 19			2,044 99
1,208 70	379	26 53			1,235 23
906 30	314	21 98			928 28
2,872 50	839	58 10	117	146 25	3,076 85
939 90	1,397	97 79	558	697 50	1,735 19
859 80	681	47 67			907 47
1,054 80	314	21 98			1,076 78
1,413 90	1,995	139 65			1,553 55
1,448 40	310	21 70			1,470 10
812 70	1,761	123 27			935 97
1,591 20	211	14 77	516	645 00	2,250 97
1,127 40	411	28 77	162	202 50	1,358 67
1,785 00	931	65 17			1,850 17
1,301 10	213	14 91			1,316 01
1,550 40	1,185	82 95			1,633 35
906 00	542	37 94			943 94
4,026 90	1,752	122 64	1,554	1,942 50	6,092 04
18,800 10	7,123	498 61			19,298 71
2,544 00	808	56 56			2,600 56
11,884 50	7,690	538 30			12,422 80
21 00	1,247	87 29			108 29
2,058 30	627	43 89			2,102 19
13,689 30	6,214	434 98			14,124 28
9,708 30	53,332	3,733 24			13,441 54
75 00					75 00
4,613 10	1,861	130 27			4,743 37
1,776 90	39	2 73			1,779 63
215 70	825	57 75			273 45
2,859 30	602	42 14			2,901 44
3,491 70	342	23 94			3,515 64
100 80	75	5 25			106 05
1,079 10	644	45 08			1,124 18
200,098 20	234,868	16,440 76	7,091	8,863 75	225,402 71
170,893 40	165,340	11,573 80	915	1,143 75	183,610 95

TABLE V.—Showing the basis on which statutory aid is granted.—Continued.

Name of Institution.	Location.	Stay of Patients	Amount of Grant	Stay of Patients	Amount of Grant	Amount Payable to each Institution for year 1918.
		in weeks at \$3.00 rate.	at \$3.00 per week.	in weeks at \$3.50 rate.	at \$3.50 per week.	
			\$ c.		\$ c.	\$ c.
Brant Sanatorium	Brantford.....	487 2-7	1,461 85	466 4-7	1,633 00	3,094 85
Muskoka Free Hospital for Consumptives	Gravenhurst...	5,496 3-7	16,489 29	6,208 5-7	21,730 50	38,219 79
Mountain Sanatorium	Hamilton.....	4,050 2-7	12,150 86	4,374 1-7	15,311 00	27,461 86
Essex Health Association..	Kingsville.....	565 6-7	1,697 58	878 1-7	3,073 50	4,771 08
Queen Alexandra Sanator'm	London.....	1,336 1-7	4,008 43	1,534 3-7	5,370 50	9,378 93
Royal Sanatorium	Ottawa.....	1,543 5-7	4,631 15	1,565 5-7	5,480 00	10,111 15
Consumptive Sanatorium .	St. Catharines.	297 1-7	891 42	203 3-7	712 00	1,603 42
The Preventorium	Toronto.....	1,168 1-7	3,504 42	1,155 6-7	4,045 50	7,549 92
Toronto Free Hospital for Consumptives	} Weston.....	8,307 4-7	24,922 72	9,181 6-7	32,136 50	57,059 22
Queen Mary Hospital for Children						
Totals for 1918 .....							23,252 4-7	69,757 72	25,569 2-7	89,492 56	159,250 22
Totals for 1917.....		44,946 3-7	134,839 32			134,839 32

TABLE VI.—Showing the cost of maintaining the Hospitals, also the average daily cost per patient, etc.

Hospitals.	Location.	Collective days' stay, exclusive of infants under one year of age.	Cost of dietaries		Salaries, fuel, light, heating and all other expenditure on maintenance account		Total expenditure for maintenance.		Average cost of each patient per day.	
			\$	c.	\$	c.	\$	c.	\$	c.
Victoria Hospital	Almonte	1,509	1,291	88	2,857	96	5,958	94	3.25	
Royal Victoria Hospital	Barrie	16,133	5,467	24	12,097	85	17,475	09	1.08	
General Hospital	Belleveille	15,637	8,532	14	16,599	69	25,132	83	1.60	
General Hospital	Bowmanville	3,495	3,064	14	7,919	91	19,975	05	3.14	
General Hospital	Brantford	29,059	20,159	54	58,593	73	78,753	27	2.71	
Brant Sanatorium		6,677	5,275	09	11,982	61	17,257	61	2.58	
General Hospital	Brockville	19,240	11,479	42	17,275	14	28,745	56	1.49	
St. Vincent de Paul Hospital		20,859	14,964	69	17,225	07	32,189	76	1.56	
Lady Minto Hospital	Chapleau	3,474	2,001	66	3,909	77	5,911	42	1.86	
General Hospital	Chatham	16,549	11,131	16	21,886	71	33,017	87	1.99	
St. Joseph's Hospital		12,292	9,477	59	12,856	81	22,321	40	1.81	
Cottage Hospital	Cobourg	2,731	2,541	94	6,121	51	8,663	45	3.17	
Lady Minto Hospital	Cochrane	5,920	2,049	53	6,582	51	8,632	94	1.71	
General and Marine Hospital	Collingwood	10,982	6,181	84	10,122	29	16,394	12	1.61	
General Hospital	Cornwall	9,251	5,205	15	13,743	69	18,948	75	2.04	
Hotel Dieu Hospital		11,226	8,232	51	10,881	21	19,113	75	1.70	
Royal Alexandra Hospital	Fergus	7,532	5,237	17	10,956	22	16,293	49	2.16	
McKellar General Hospital	Fort William	22,908	15,150	11	40,000	77	55,159	88	2.49	
General Hospital	Galt	15,083	10,873	66	15,188	20	26,061	96	1.73	
General and Marine Hospital	Goderich	1,929	1,569	96	4,646	70	6,297	66	3.22	
Muskoka Cottage Sanatorium	Gravenhurst	81,932	37,120	66	33,807	98	70,928	64	3.43	
Muskoka Free Hosp. for Con.		81,936	76,681	48	121,932	23	208,613	71	2.54	
General Hospital	Guelph	21,914	14,619	17	36,753	16	51,372	33	2.34	
St. Joseph's Hospital		11,147	10,890	43	13,128	95	24,019	28	2.15	
City Hospital	Hamilton	94,639	73,218	62	193,275	65	366,191	27	2.81	
St. Joseph's Hospital		28,729	20,237	76	28,224	56	48,462	32	1.68	
Mountain Sanatorium		58,974	32,806	20	47,751	16	80,557	42	1.36	
Providence Hospital		11,459	8,486	00	14,483	00	22,969	00	2.00	
General Hospital	Halleybury	3,210	2,449	72	5,821	74	8,262	46	2.56	
General Hospital	Ingersoll	5,796	3,018	44	6,618	69	9,637	13	1.66	
General Hospital	Kenora	6,321	2,629	57	4,588	99	7,218	56	1.14	
St. Joseph's Hospital		1,572	937	52	4,394	58	5,242	10	3.23	
General Hospital	Kincardine	59,131	43,726	34	59,125	00	102,851	34	1.73	
General Hospital	Kingston	35,725	22,886	44	32,345	89	55,232	33	1.54	
Essex Health Association	Kingsville	10,108	4,874	99	10,933	12	15,708	11	1.55	
Kitchener and Waterloo Hosp.	Kitchener	12,295	8,559	06	20,959	00	29,599	06	2.41	
General Hospital	London	66,198	58,575	30	123,990	21	182,865	51	2.77	
St. Joseph's Hospital		39,118	29,104	00	46,046	31	75,159	31	2.48	
Queen Alexandra Sanatorium		76,937	56,371	52	76,064	69	133,036	21	1.72	
Victoria Home for Incurables		18,535	6,532	21	8,900	20	15,433	44	.83	
Ross Memorial Hospital	Lindsay	6,927	5,009	83	11,366	62	16,376	45	2.71	
General Hospital	Mattawa	9,269	6,194	78	7,279	99	9,474	68	1.92	
General Hospital	Midland	3,167	1,200	05	6,595	53	7,895	68	2.49	
General Hospital	Niagara Falls	8,424	6,471	33	13,859	53	20,301	86	2.41	
Lady Minto Hospital	North Bay	3,743	2,438	89	5,491	59	7,930	48	2.12	
Queen Victoria Hospital		5,314	4,236	73	9,110	56	12,347	29	2.53	
General Hospital	Orangeville	2,472	2,198	48	3,827	08	6,025	56	2.43	
General Hospital	Orillia	8,244	4,156	26	9,271	75	13,528	01	1.64	
General Hospital	Oshawa	7,406	4,893	16	12,876	92	17,689	08	2.38	
General Protestant Hospital	Ottawa	44,225	31,559	57	76,050	55	107,601	12	2.43	
Roman Catholic Hospital		58,384	28,739	71	77,950	86	106,690	57	1.82	
Maternity Hospital		7,485	6,168	46	14,371	19	20,539	65	2.74	
Misericordia Maternity Hosp.		16,561	10,259	61	13,650	63	21,001	27	1.45	
Perley Home for Incurables		15,657	4,424	39	11,291	42	15,715	81	1.00	
Royal Sanatorium		22,087	9,587	29	30,183	58	39,770	78	1.89	
St. Luke's General Hospital		41,846	32,018	85	50,881	08	91,902	93	2.22	
General and Marine Hospital	Owen Sound	9,057	8,717	75	11,535	95	20,253	70	2.23	
General Hospital	Parry Sound	4,446	3,974	29	5,231	32	9,356	61	2.09	
St. Joseph's Hospital		4,926	2,899	75	3,892	45	7,693	20	1.55	
General Hospital	Pembroke	15,607	7,843	31	12,983	28	20,826	69	1.33	
The Cottage Hospital		4,285	3,890	46	9,112	43	13,002	89	3.03	
General Hospital	Penetang	1,379	1,753	59	3,291	33	5,011	92	1.65	
Nicholls' Hospital	Peterborough	15,077	11,376	26	36,824	26	38,200	22	2.53	
St. Joseph's Hospital		7,892	4,729	61	8,218	11	12,977	72	1.64	
C. E. Englehart Hospital	Petrolia	3,255	2,832	79	7,664	75	10,498	54	3.15	
Railway, Marine and Gen. Hosp.	Port Arthur	10,522	7,588	65	18,247	96	26,106	61	2.48	
St. Joseph's Hospital		16,056	9,441	63	24,186	37	33,689	00	2.03	
General Hospital	Port Hope	3,547	2,204	04	7,459	30	9,663	34	2.72	
Victoria General Hospital	Renfrew	7,546	4,491	03	11,851	96	16,332	99	2.17	
General and Marine Hospital	St. Catharines	17,895	15,971	69	24,815	20	39,889	89	2.23	
Consumptive Sanatorium		3,594	2,162	97	4,099	19	6,261	26	1.78	
Amasa Wood Hospital	St. Thomas	8,349	9,247	29	17,419	21	26,657	41	3.19	
General Hospital	Sarnia	11,301	9,638	76	15,951	31	24,690	07	2.19	
General Hospital	Sault Ste. Marie	18,695	11,697	47	30,384	48	41,991	95	2.24	
Royal Victoria Hospital		4,331	3,051	65	10,689	82	13,732	47	3.17	
Public Hospital	Smith's Falls	6,881	6,463	43	14,703	93	21,166	46	3.01	
St. Francis' Hospital		5,959	6,337	81	4,717	60	11,055	41	1.87	
General Hospital	Stratford	12,447	7,941	39	17,224	88	25,166	27	2.06	

* This includes military patients.

TABLE VI.—Showing the cost of maintaining the Hospitals, also the average daily cost per patient, etc.—Concluded.

Hospitals.	Location.	Collective days' stay, exclusive of infants under one year of age.	Cost of dietaries.	Salaries, fuel, light, medicine, bedding and all other expenditure on maintenance account.	Total expenditure for maintenance.	Average cost of each patient per day.
			\$ c.	\$ c.	\$ c.	\$ c.
General Hospital	Strathroy	3,562	2,777 43	5,324 93	8,102 36	2.27
St. Joseph's Hospital	Sudbury	31,035	18,136 00	27,635 40	45,772 40	1.47
General Hospital	Toronto	208,076	174,418 50	552,456 86	726,875 36	3.49
Grace Hospital	"	36,931	28,295 40	70,336 84	98,632 24	2.66
Hospital for Sick Children	"	70,153	41,177 24	184,516 89	225,724 13	3.21
Orthopedic Hospital	"	7,797	4,965 02	33,307 64	38,272 66	3.63
The Preventorium	"	16,268	5,428 67	9,369 78	14,798 45	.90
St. John's Hospital	"	7,488	8,409 04	15,404 88	23,813 92	3.18
St. Michael's Hospital	"	92,070	77,807 94	115,741 59	193,549 53	2.10
Toronto Hospital for Incurables	"	85,693	38,809 38	74,212 06	113,021 44	1.32
Wellesley Hospital	"	21,267	36,529 95	58,071 37	94,601 32	4.44
Western Hospital	"	63,816	40,695 50	126,099 34	167,385 84	2.62
Women's College Hospital	Walkerton	5,962	4,971 95	12,450 21	17,422 16	2.92
General Hospital	Welland	2,408	2,316 06	5,820 42	8,136 49	2.38
General Hospital	Weston	10,133	6,067 12	15,699 10	21,766 22	2.14
Toronto Free Hosp. for Con.	Weston	123,632	78,349 57	162,173 02	240,522 59	1.94
King Edward Sanatorium	"					
Queen Mary Hosp. for Children	"	18,989	15,292 66	17,443 99	32,736 65	1.72
Hotel Dieu Hospital	Windsor					
General Hospital	Wingham					
General Hospital	Woodstock	8,565	7,227 67	10,815 54	18,043 21	2.10
Totals for 1918		2,156,797	1,557,938 25	3,348,203 53	4,906,231 78	2.27
Totals for 1917		1,884,856	1,258,314 17	2,555,534 02	3,813,848 19	2.02

TABLE VII.—Showing the proportion of maintenance of Hospitals paid by the Government.

Hospitals.	Location.	Revenues on main- tenance account, exclusive of Gov- ernment grant.		Government grant in aid of main- tenance.	Total revenue for maintenance.		Total expenditure for maintenance.	Percentage of Gov- ernment grant to total expenditure for maintenance.
		\$	c.		\$	c.			$	c.
Victoria Hospital	Almonte.	4,708	55	350	39	5,058	94	6.2
Royal Victoria Hospital	Barrie.	17,533	90	4,491	02	22,024	92	22.7
General Hospital	Belleville.	31,779	71	1,696	28	33,475	99	6.6
General Hospital	Bowmanville.	10,320	13	963	19	11,283	32	8.0
General Hospital	Brantford.	75,094	81	4,135	90	79,230	71	5.2
Brant Sanatorium	Brantford.	14,422	33	3,015	43	17,437	76	17.4
General Hospital	Brockville.	29,264	52	1,061	01	30,325	56	3.6
St. Vincent de Paul Hospital.	Brockville.	29,378	37	2,931	35	32,309	72	9.1
Lady Minto Hospital	Chapleau.	7,780	22	454	47	8,234	69	7.6
General Hospital	Chatham.	34,409	15	654	37	35,063	82	1.9
St. Joseph's Hospital	Chatham.	21,075	99	812	94	22,488	93	3.6
Cottage Hospital	Cobourg.	8,467	70	854	52	9,022	22	9.8
Lady Minto Hospital	Cochrane.	5,927	10	758	38	6,685	18	8.3
General and Marine Hospital.	Collingwood.	14,952	51	1,381	38	16,333	89	8.1
General Hospital	Cornwall.	22,057	80	1,161	83	23,219	63	18.9
Hotel Dieu Hospital	Cornwall.	16,715	14	2,596	55	19,311	69	13.1
Royal Alexandra Hospital	Fergus.	16,070	03	373	90	16,443	93	2.2
McKellar General Hospital	Fort William.	49,936	95	3,385	78	53,322	73	6.1
General Hospital	Galt.	28,851	80	1,450	43	30,302	23	5.4
General and Marine Hospital.	Goderich.	6,206	11	234	01	6,440	12	3.7
Muskoka Cottage Sanatorium.	Gravenhurst.	80,315	56	.....	.....	80,315	56	70.9
Muskoka Free Hosp. for Con.	Gravenhurst.	148,915	05	35,592	00	184,507	05	17.6
General Hospital	Guelph.	47,918	66	3,182	11	51,101	77	6.1
St. Joseph's Hospital	Guelph.	21,954	23	1,920	89	23,875	12	7.9
City Hospital	Hamilton.	335,419	06	18,848	34	253,367	40	7.0
St. Joseph's Hospital.	Hamilton.	44,840	78	3,687	88	48,528	66	7.6
Mountain Sanatorium	Hamilton.	50,716	88	19,327	72	70,044	60	23.9
Providence Hospital	Hamilton.	26,401	75	3,403	00	29,804	75	14.8
General Hospital	Haileybury.	7,540	88	567	51	8,108	39	6.8
General Hospital	Ingersoll.	9,195	65	974	98	10,170	63	10.1
General Hospital	Kenora.	8,024	91	1,114	98	9,179	89	15.5
St. Joseph's Hospital.	Kenora.	5,021	82	394	67	5,416	49	7.2
General Hospital	Kincardine.	99,492	61	4,336	28	103,828	89	4.2
General Hospital	Kingston.	47,877	39	4,943	18	52,820	57	8.9
Hotel Dieu Hospital	Kingston.	15,378	59	3,132	86	18,511	45	19.9
Essex Health Association	Kingsville.	35,650	87	1,422	81	37,073	68	4.8
Kitchener and Waterloo Hosp.	Kitchener.	182,085	53	9,631	40	192,716	92	5.2
General Hospital	London.	73,349	24	1,552	62	74,901	86	2.6
St. Joseph's Hospital	London.	115,466	80	8,058	00	124,124	80	6.5
Queen Alexandra Sanatorium.	London.	13,726	68	1,342	74	15,069	42	8.7
Victoria Home for Incurables.	London.	14,472	02	940	58	15,682	60	5.7
Ross Memorial Hospital	Lindsay.	5,248	04	4,038	97	9,287	01	12.6
General Hospital	Mattawa.	6,802	11	623	29	7,425	40	7.9
General Hospital	Midland.	20,937	76	1,148	03	22,085	79	5.6
General Hospital	Niagara Falls.	7,042	37	755	55	7,797	82	9.5
Lady Minto Hospital	New Liskeard.	11,721	31	1,092	67	12,819	98	8.1
Queen Victoria Hospital.	North Bay.	6,188	52	483	57	6,672	09	8.0
General Hospital	Orangeville.	13,561	85	1,592	40	15,154	25	8.5
General Hospital	Orillia.	16,735	30	1,510	27	18,245	57	8.4
General Hospital	Oshawa.	101,878	90	3,912	09	105,790	99	3.6
General Protestant Hospital.	Ottawa.	159,442	55	6,593	67	166,036	22	6.1
Roman Catholic Hospital.	Ottawa.	29,692	34	542	80	30,235	14	2.6
Maternity Hospital	Ottawa.	22,344	11	2,469	73	24,813	84	10.2
Misericordia Maternity Hosp.	Ottawa.	16,886	94	1,036	91	17,923	85	6.5
Perley Home for Incurables.	Ottawa.	40,297	49	9,273	29	39,770	78	23.5
Royal Sanatorium	Ottawa.	91,715	23	2,387	59	94,102	82	2.5
St. Luke's General Hospital.	Ottawa.	21,074	86	486	43	21,561	29	2.4
General and Marine Hospital.	Owen Sound.	8,767	31	638	30	9,405	61	6.8
General Hospital	Parry Sound.	7,397	85	1,110	30	8,508	15	14.4
St. Joseph's Hospital	Parry Sound.	12,200	37	2,545	62	20,851	29	12.2
General Hospital	Pembroke.	12,280	40	468	81	12,749	21	3.5
The Cottage Hospital	Pembroke.	4,817	32	253	31	5,070	83	5.0
General Hospital	Penetang.	35,075	54	1,921	16	36,996	70	5.0
Nicholls' Hospital	Peterborough.	12,655	65	1,680	90	14,536	55	12.1
St. Joseph's Hospital	Peterborough.	9,876	98	821	36	10,498	54	7.1
C. E. Eleghart Hospital.	Peterborough.	24,846	86	2,563	24	27,410	10	9.7
Railway, Marine and Gen. Hosp.	Port Arthur.	30,457	98	2,362	74	32,820	72	7.0
St. Joseph's Hospital	Port Arthur.	8,701	60	1,050	63	9,752	23	10.8
General Hospital	Port Hope.	15,419	87	903	12	16,322	99	5.5
Victoria General Hospital	Renfrew.	38,292	27	1,497	62	39,889	89	3.7
General and Marine Hospital.	St. Catharines.	4,060	68	1,597	72	6,258	40	25.5
Consumptive Sanatorium	St. Catharines.	22,480	45	1,999	01	24,479	41	7.5
Amasa Wood Hospital	St. Thomas.	23,957	09	836	92	24,794	06	3.3
General Hospital	Sarnia.	38,261	42	3,065	80	41,327	22	7.3
General Hospital	Sault Ste. Marie.	10,612	91	.....	.....	10,612	91	.....
Royal Victoria Hospital.	Smith's Falls.	21,282	75	1,687	62	22,970	38	7.9
Public Hospital	Smith's Falls.	9,570	00	1,484	64	11,054	64	13.4
St. Francis' Hospital	Smith's Falls.	.....	.....	.....	.....	.....	.....	.....

* This includes Military patients.

TABLE VII.—Showing the proportion of maintenance of Hospitals paid by the Government.—Concluded.

Hospitals.	Location.	Revenues on main- tenance account, exclusive of Gov- ernment grant.	Government grant in aid of main- tenance.	Total revenue for maintenance.	Total expenditure for maintenance.	Percentage of Gov- ernment grant to total expenditure for maintenance.
		\$ c.	\$ c.	\$ c.	\$ c.	
General Hospital	Stratford.....	26,868 20	1,241 73	28,109 93	25,166 27	4.2
General Hospital	Strathroy.....	7,892 08	627 21	8,519 29	8,102 36	7.7
St. Joseph's Hospital	Sudbury.....	44,834 56	6,266 40	51,100 96	45,772 40	13.6
General Hospital	Toronto.....	680,322 83	25,060 43	705,383 26	726,875 36	3.4
Grace Hospital	"	79,300 20	5,528 00	84,828 20	98,632 21	5.6
Hospital for Sick Children	"	194,646 50	18,639 48	213,285 98	225,724 13	8.2
Orthopedic Hospital	"	24,941 30	383 65	25,324 95	28,272 66	1.3
The Preventorium	"	11,640 78	6,836 15	18,476 93	14,798 45	46.2
St. John's Hospital	"	33,139 41	1,514 90	24,654 31	23,813 92	6.3
St. Michael's Hospital	"	169,415 98	16,247 18	185,663 16	193,519 53	8.3
Toronto Hospital for Incurables	"	103,047 96	9,973 48	113,021 44	113,021 44	8.8
Wellesley Hospital	"	126,162 12	35 10	126,137 22	94,601 32	.....
Western Hospital	"	158,767 03	10,789 32	169,556 35	167,385 84	6.4
Women's College Hospital	"	13,408 98	1,257 20	14,666 18	17,432 16	7.2
General Hospital	Walkerton.....	7,840 97	311 87	8,152 84	8,136 49	3.8
General Hospital	Welland.....	19,494 60	2,671 99	22,166 59	21,766 22	12.2
Toronto Free Hosp. for Con.....	Weston.....	166,381 49	47,306 15	213,687 64	240,522 59	19.6
King Edward Sanatorium.....	"					
Queen Mary Hosp. for Children.....	"					
Hotel Dieu Hospital	Windsor.....	30,035 17	2,706 59	32,741 76	32,736 65	8.2
General Hospital	Wingham.....	7,860 17	212 67	8,072 84	8,345 22	2.5
General Hospital	Woodstock.....	17,968 82	1,122 47	18,191 29	18,043 21	6.4
Totals for 1918.....	.....	4,556,601 31	382,946 97	4,939,548 28	4,906,231 78	7.80
Totals for 1917.....	.....	3,368,901 11	335,615 50	3,704,516 61	3,813,848 19	11.3

TABLE VIII.—Showing the comparative cost per patient daily in the different Hospitals in periods of five years.

Hospitals.	Location.	1905	1910	1915	1916	1917	1918
Victoria Hospital	Almonte.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Royal Victoria Hospital	Barrie.	.93	1.23	2.50	1.95	2.53	3.35
General Hospital	Belleville.	1.63	1.14	1.34	.68	.82	1.08
General Hospital	Rowmanville.		1.09	1.21	1.21	2.09	1.60
General Hospital	Brantford.	.78	1.19	1.73	1.99	2.34	3.13
Brant Sanatorium				1.75	1.92	2.24	2.71
General Hospital	Brockville.	1.39	1.12	1.47	1.19	1.61	2.58
St. Vincent de Paul Hospital.		.87	1.16	1.18	1.32	1.61	1.56
Lady Minto Hospital	Chapleau			2.07	2.71	2.77	1.86
General Hospital	Chatham.	.87	1.00	1.61	1.62	1.74	1.99
St. Joseph's Hospital		.72	.82	1.52	1.65	1.71	1.81
Cottage Hospital	Cobourg.		1.66	1.73	1.79	2.63	3.17
Lady Minto Hospital	Cochrane.	.96	1.01	1.34	1.49	2.31	1.71
General and Marine Hospital.	Collingwood.	.74	.92	1.13	1.26	1.39	1.61
General Hospital	Cornwall.	.53	.75	1.96	1.13	1.46	2.04
Hotel Dieu Hospital			1.52	2.16	2.43	1.37	1.79
Royal Alexandra Hospital	Fergus.	1.08	1.66	1.90	1.64	1.98	2.16
McKellar General Hospital.	Fort William.	1.12	1.55	1.49	1.79	2.02	2.40
General Hospital	Galt.		1.73	2.05	2.31	2.36	3.22
General and Marine Hospital.	Goderich.		1.89	4.71	3.09	3.22	3.43
Muskoka Cottage Sanatorium.	Gavenhurst.	2.05	1.45	1.62	1.67	2.25	2.54
Muskoka Free Hospital for Cons.			.91	1.11	1.16	1.52	2.34
General Hospital	Guelph.	1.16	1.03	1.11	1.16	1.52	2.15
St. Joseph's Hospital.		.84	1.03	1.11	1.16	1.87	2.81
City Hospital	Hamilton.	1.14	1.37	1.53	1.63	1.37	1.68
St. Joseph's Hospital.	"	.78	1.02	1.24	1.18	1.17	1.36
Mountain Sanatorium			.99	1.07	1.59	1.68	2.00
Providence Hospital	Haileybury.			1.97	2.21	2.36	2.56
General Hospital	Ingersoll.	1.16	2.19	1.46	2.17	2.24	1.66
General Hospital	Kenora.	2.26	1.19	1.43	1.15	1.40	1.14
St. Joseph's Hospital.			2.35	3.83	4.33	3.09	3.33
General Hospital	Kincardine.	.79	.96	1.41	1.41	1.67	1.73
General Hospital	Kingston.	.55	.65	1.03	1.09	1.43	1.54
Hotel Dieu Hospital	"			1.26	1.32		
Mowat Sanatorium	Kingsville.			1.29	1.53	1.75	1.55
Essex Health Association	Kitchener.	1.64	1.61	1.33	1.75	1.89	2.41
Kitchener and Waterloo Hospital.		1.26	1.62	2.10	2.17	2.62	3.76
General Hospital	London.	1.23	1.24	1.66	1.83	2.08	2.49
St. Joseph's Hospital	"		2.11	1.10	1.13	2.34	1.72
Queen Alexandra Sanatorium.	"						.83
Victoria Home for Incurables.		1.89	1.52	1.71	1.72	1.91	2.71
Ross Memorial Hospital	Lindsay.	.96	.91	.61	.87	1.71	1.02
General Hospital	Mattawa.	2.10	1.74	1.56	2.17	1.42	2.49
General Hospital	Midland.		1.29	1.59	1.96	1.38	3.41
Lady Minto Hospital	New Liskeard.		1.54	2.01	2.19	2.19	3.32
General Hospital	Niagara Falls.	1.33	1.07	1.80	1.85	2.69	3.53
Queen Victoria Hospital.	North Bay.			2.00	2.84	3.67	4.43
General Hospital	Orangeville.		1.02	1.40	1.48	1.52	1.64
General Hospital	Orillia.		8.23	1.46	1.58	2.17	3.38
General Hospital	Oshawa.	1.29	1.28	1.76	2.50	3.12	2.43
General Protestant Hospital.	Ottawa.	.81	1.02	1.04	1.44	1.44	1.82
Roman Catholic Hospital.	"	2.03	1.97	2.24	2.25	2.74	2.71
Maternity Hospital	"				.77	1.02	1.45
Misericordia Maternity Hospital.	"						1.00
Perley Home for Incurables.	"	.87	1.62	1.73	1.88	1.89	3.22
St. Luke's General Hospital.	"		1.84	1.49	1.57	1.67	1.80
Royal Sanatorium		.89	1.11	1.87	1.67	2.56	2.23
General and Marine Hospital.	Owen Sound.		1.61	1.58	1.45	2.15	2.09
General Hospital	Parry Sound.				.67	1.27	1.55
St. Joseph's Hospital		.53	.69	.97	.97	1.08	1.33
General Hospital		.97	1.12	2.00	1.48	2.27	3.03
The Cottage Hospital	Pembroke.			2.47	2.06	3.35	3.65
General Hospital		1.95	1.73	1.90	1.77	2.30	2.53
Nicholls' Hospital	Penetang.	.47	.94	1.39	1.18	1.33	1.64
St. Joseph's Hospital	Peterborough.			2.25	2.12	2.82	3.15
C. E. Engelhart Hospital.	Petrolia.		1.84	1.70	1.56	1.88	2.48
Railway, Marine and General Hosp.	Port Arthur.	1.09	1.35	1.20	1.81	1.90	2.03
St. Joseph's Hospital				2.21	1.69	2.12	2.72
General Hospital	Port Hope.	1.49	1.11	1.30	1.33	1.78	2.17
Victoria General Hospital	Renfrew.	1.08	1.30	1.41	1.70	2.12	2.22
General and Marine Hospital.	St. Catharines.		1.14	.96	1.53	1.35	1.78
Consumptive Sanatorium		1.92	1.97	2.15	1.76	1.84	3.19
Amasa Wood Hospital	St. Thomas.	1.63	1.59	1.28	1.51	2.62	2.19
General Hospital	Sarnia.	.90	1.14	1.81	1.33	2.05	2.24
Royal Victoria Hospital.	Sault Ste. Marie.						3.17
Public Hospital	Smith's Falls.			2.04	2.92	2.19	3.07
St. Francis' Hospital		.78	.72	1.37	1.18	1.32	1.87
General Hospital		1.17	1.23	1.81	1.70	2.42	2.02
General Hospital	Stratford.			1.77	1.83	2.42	2.97
St. Joseph's Hospital	Strathroy.	1.08	1.06	1.23	1.17	1.44	1.47
General Hospital	Sudbury.	1.28	1.41	2.04	2.30	2.66	3.49
	Toronto.						

TABLE VIII.—Showing the comparative cost per patient daily in the different Hospitals in periods of five years.—Concluded.

Hospitals	Location.	1905	1910	1915	1916	1917	1918
		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Grace Hospital	Toronto.....	1.00	1.29	1.81	1.94	2.26	2.66
Hospital for Sick Children	"	1.25	1.52	2.26	2.35	2.51	3.21
Orthopedic Hospital	"	1.10	1.29	1.64	1.35	2.54	3.62
The Preventorium .....	" .....			.75	.84	.97	.90
St. John's Hospital	"					3.11	3.18
St. Michael's Hospital .....	" .....	.90	1.00	1.56	1.57	1.95	2.10
Toronto Hospital for Incurables.....	"						1.32
Wellesley Hospital	"						4.29
Western Hospital .....	" .....	.92	1.02	1.52	1.88	2.08	2.62
Women's College Hospital	"				1.84	2.55	2.92
General Hospital	Walkerton.....	2.66	2.27	1.58	2.31	2.56	2.38
General Hospital	Welland.....		1.82	1.27	.95	1.31	2.14
Toronto Free Hos. for Consumptives	Weston.....	1.53	1.35				
King Edward Sanatorium.....	"		1.47	1.64	1.65	1.99	1.94
Queen Mary Hospital for Children...	"						
Hotel Dieu Hospital	Windsor.....	.76	1.04	1.76	1.61	2.02	1.72
General Hospital	Wingham.....		1.79	2.28	2.28	2.47	2.82
General Hospital	Woodstock.....	1.87	1.34	1.42	1.56	1.97	2.10
Averages .....	.....	1.13	1.26	1.64	1.71	2.02	2.27

SEPARATE REPORTS.

VICTORIAN HOSPITAL, ALMONTE.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	5
Admitted	98
Births in Hospital	30
	<hr/>
Total number under treatment	133
Discharged	117
Died	8
Under treatment, 30th September, 1918	8
	<hr/>
	133
<i>Sex.</i>	
Male	47
Female	86
	<hr/>
	133
<i>Revenue.</i>	
From the Province of Ontario ..	\$350 39
From the Town of Almonte ..	200 00
From the County of Lanark ..	100 00
From other municipalities ..	160 00
From endowments, investments, etc.	370 39
From patients themselves for maintenance and treatment.	2,223 34
From subscriptions, donations and bequests from private individuals	1,337 08
From other sources	317 74
	<hr/>
Total	\$5,058 94

<i>Expenditures.</i>	
Butchers' meat	\$297 87
Butter and eggs	222 81
Flour, bread and meal	128 86
Milk	153 20
Tea and coffee	63 25
Potatoes and other vegetables	34 01
Groceries and provisions not enumerated	301 88
Drugs and medicines	132 06
Medical and surgical appliances	64 79
Beer, wine and spirits .....	.....
Bedding, napery and general house furnishings	2 50
Brooms, brushes, mops, soap and cleaning appliances....	44 99
Fuel	397 97
Electric light, gas, oil and candles	124 18
Salaries and wages	2,221 60
Taxes, insurance and interest.	10 86
Contingencies	126 41
Repairs, ordinary	96 21
Ice	38 50
Printing, stationery, etc.	63 30
Surgical instruments	9 92
Bank overdraft	523 77
	<hr/>
Total	\$5,058 94
Government grant for 1918 ..	\$160 36

ROYAL VICTORIA HOSPITAL, BARRIE.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	19
Admitted	552
Births in Hospital	63
	<hr/>
Total number under treatment	634
Discharged	578
Died	22
Under treatment, 30th September, 1918	34
	<hr/>
	634

<i>Sex.</i>	
Male	257
Female	377
	<hr/>
	634

<i>Revenue.</i>	
From the Province of Ontario ..	\$4,491 02
From the Town of Barrie	641 25
From the County of Simcoe ..	500 00
From other municipalities ..	.....
From patients for maintenance	14,699 85
From endowments, investments, etc.	482 50
From subscriptions, donations and bequests from private individuals	539 14
From other sources	671 16
	<hr/>
Total	\$22,024 92

ROYAL VICTORIA HOSPITAL, BARRIE.—*Continued.*

<i>Expenditures.</i>			
Butchers' meat	\$1,635 88	Fuel	1,246 21
Butter and eggs	1,039 70	Electric light, gas, oil and candles	271 14
Flour, bread and meal	611 99	Water	164 88
Milk	587 08	Ice supply	26 63
Tea and coffee .....	.....	Salaries and wages	4,186 70
Potatoes and other vegetables	721 67	Electric power elevator	80 73
Groceries and provisions, not enumerated	1,470 92	Contingencies	819 99
Drugs and medicines	540 54	Repairs, ordinary	2,097 71
Medical and surgical appli- ances	1,233 87	Taxes and insurance	130 89
Beer, wine and spirits	50 00	Surgical instruments .....	.....
Bedding, napery and general house furnishings	699 63	Total	\$17,475 09
Brooms, brushes, mops, soap and cleaning appliances	459 95	Government grant for 1918 ..	\$2,155 62

GENERAL HOSPITAL, BELLEVILLE.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	30	Butchers' meat	\$2,246 06
Admitted	1,077	Butter and eggs	1,561 45
Births in Hospital	114	Flour, bread and meal	983 34
Total number under treat- ment	1,221	Milk	1,350 75
Discharged	1,130	Tea and coffee	242 80
Died	51	Potatoes and other vegetables.	601 50
Under treatment, 30th S ptem- ber, 1918	40	Groceries and provisions not enumerated	1,547 24
	1,221	Drugs and medicines	1,085 66
<i>Sex.</i>		Medical and surgical appli- ances	1,373 83
Male	550	Beer, wine and spirits .....	.....
Female	671	Bedding, napery and general house furnishings	1,078 52
	1,221	Brooms, brushes, mops, soap and cleaning appliances ...	386 07
<i>Revenue.</i>		Fuel	2,831 41
From the Province of Ontario	\$1,696 28	Electric light, gas, oil and candles	660 55
From the City of Belleville ..	1,600 00	Clothing for patients	1 50
From County of Hastings	400 00	Ice supply	129 00
From patients for mainten- ance and treatment	27,680 05	Salaries and wages	6,972 20
Income from endowments, in- vestments, etc.	149 00	Contingencies	741 06
From subscriptions, donations and bequests from private individuals	801 80	Repairs, ordinary	772 50
From other sources	1,148 86	Stationery and printing	185 69
Total	\$33,475 99	Taxes, insurance and interest.	381 70
		Total	\$25,132 83
		Government grant for 1918 ..	\$2,223 42

GENERAL HOSPITAL, BOWMANVILLE.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	12	Butchers' meat	\$723 15
Admitted	215	Butter and eggs	579 06
Births in Hospital	25	Flour, bread and meal	202 40
		Milk	332 70
Total under treatment	252	Tea and coffee	82 80
		Potatoes and other vegetables	95 90
Discharged	220	Groceries and provisions not enumerated	1,048 13
Died	23	Drugs and medicines	270 13
Under treatment, 30th Septem- ber, 1917	9	Medical and surgical appli- ances	825 14
	252	Surgical instruments	
		Beer, wine and spirits	80 25
<i>Sex.</i>		Bedding, napery and general house furnishings	719 68
Male	93	Brooms, brushes, mops, soap and cleaning appliances ...	10 70
Female	159	Fuel	1,065 24
	252	Light: gas, oil and candles ..	290 71
		Ice supply	30 83
		Salaries and wages	2,878 45
<i>Revenue.</i>		Stationery, printing, postage, etc.	111 48
From the Province of Ontario	\$963 19	Contingencies	956 33
From Town of Bowmanville ..	800 00	Repairs, ordinary	224 30
From County of Durham	300 00	Laundry	374 70
From patients for maintenance and treatment	7,961 23	Taxes and insurance	24 64
From subscriptions, donations, and bequests from private individuals	152 00	Hay and straw	
From all other sources	1,106 90	Water supply	48 33
Total	\$11,283 32	Total	\$10,975 05
		Government grant for 1918 ..	\$1,010 09

GENERAL HOSPITAL, BRANTFORD.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Revenue.</i>	
Number under treatment, 1st October, 1917	95	From the Province of Ontario	\$4,135 90
Admitted	1,835	From the City of Brantford ..	32,832 65
Births in the Hospital	165	From the County of Brant ..	1,500 00
		From other municipalities ..	250 00
Total number under treat- ment	2,095	From patients for maintenance and treatment	37,833 60
		Income from endowments, in- vestments, etc.	1 89
Discharged	1,851	From subscriptions, donations and bequests from private individuals	22 00
Died	128	From all other sources	2,654 67
Under treatment, 30th Septem- ber, 1918	116	Total	\$79,230 71
	2,095		
<i>Sex.</i>		<i>Expenditures.</i>	
Male	875	Butchers' meat	\$5,299 83
Female	1,220	Butter and eggs	4,169 88
	2,095	Flour, bread and meal	1,802 20
		Milk	2,804 26

GENERAL HOSPITAL, BRANTFORD.—Continued.

Tea and coffee	865 10	Electric light, gas, oil, candles	844 06
Potatoes and other vegetables	2,097 30	Ice	425 00
Groceries and provisions not enumerated	3,120 97	Salaries and wages	20,335 19
Drugs and medicines	4,631 55	Taxes and insurance	118 69
Medical and surgical appli- cances and surgical instru- ments	3,882 48	Printing, stationery, etc.	832 54
Beer, wine and spirits	223 75	Contingencies	8,687 40
Bedding, napery and general house furnishings	2,572 71	Repairs, ordinary	682 77
Brooms, brushes, mops, soap and cleaning appliances	1,147 00	Hay and straw	497 26
Fuel	13,713 33	Coffins and funerals .....	.....
		Total	\$78,753 27
		Government grant for 1918 ..	\$5,174 59

THE BROCKVILLE GENERAL HOSPITAL.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	36
Number admitted	926
Births in Hospital	74
Total number under treat- ment	1,036
Discharged	954
Died	36
Under treatment, 30th Septem- ber, 1918	46
	1,036
<i>Sex.</i>	
Male	572
Female	464
	1,036

Revenue.

From the Province of Ontario	\$1,061 04
From the Town of Brockville	2,000 00
From the Counties of Leeds and Grenville .....	.....
From other municipalities of the Province .....	.....
From paying patients	23,755 05
From property belonging to the Hospital	1,152 34
From subscriptions, bequests and donations from private individuals	2,357 13
From other sources not enum- erated .....	.....
Total	\$30,325 56

Expenditures.

Butchers' meat	\$3,632 91
Butter and eggs	2,300 81
Flour, bread and meal	1,055 17
Milk	1,452 10
Tea and coffee	185 72
Potatoes and other vegetables	336 40
Groceries and provisions not enumerated	2,507 31
Drugs and medicines	869 63
Medical and surgical appli- cances	957 38
Bedding, napery and general house furnishings	878 58
Brooms, brushes, mops, soap and cleaning appliances	146 97
Fuel	2,596 53
Electric light, gas, oil, candles	1,032 87
Water supply .....	.....
Ice supply	134 35
Salaries and wages	7,381 10
Taxes and insurance	117 65
Contingencies	691 60
Repairs, ordinary	1,193 48
Ambulance	194 50
Printing, stationery, etc.	35 75
Laundry expenses	1,044 75
Surgical instruments .....	.....
Total	\$28,745 56
Government grant for 1918 ..	\$1,378 95

ST. VINCENT DE PAUL HOSPITAL, BROCKVILLE.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	47	Butchers' meat and fish	\$4,662 57
Admitted	1,075	Butter and eggs	2,883 67
Births in Hospital	63	Flour, bread and meal	1,431 20
	<hr/>	Milk	1,853 46
Total number under treatment	1,185	Tea and coffee	531 22
Discharged	1,080	Potatoes and other vegetables	723 61
Died	47	Groceries and provisions not enumerated	3,192 95
Under treatment, 30th September, 1918	58	Drugs and medicines	711 48
	<hr/>	Medical and surgical appliances	617 32
	1,185	Bedding, napery and general house furnishings	785 61
<i>Sex.</i>		Brooms, brushes, mops, soap and cleaning appliances	679 06
Male	510	Fuel	3,536 42
Female	675	Electric light, gas, oil, candles	1,230 39
	<hr/>	Water supply	21 76
	1,185	Clothing for sisters, including boots and shoes	215 29
<i>Revenue.</i>		Ice supply	276 00
From the Province of Ontario	\$2,931 35	Salaries and wages	4,798 45
From the Town of Brockville	2,000 00	Taxes, insurance and interest	178 43
From other municipalities ..	252 75	Contingencies	1,155 06
From paying patients	21,882 01	Repairs, ordinary	1,984 50
From subscriptions, bequests and donations from private individuals	1,977 45	Printing, stationery, etc.	329 31
From other sources, not enumerated	3,266 16	Surgical instruments	215 00
	<hr/>	Beer, wine and spirits	101 00
Total	\$32,309 72	Coffins and funerals	76 00
		Total	<hr/>
			\$32,189 76
		Government grant for 1918 ..	\$2,509 91

LADY MINTO HOSPITAL, CHAPLEAU.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Revenue.</i>	
Number under treatment, 1st October, 1917	9	From the Province of Ontario	\$454 47
Admitted	176	From the Town of Chapleau ..	.....
Births in Hospital	27	From patients themselves for maintenance and treatment .	3,667 72
	<hr/>	From subscriptions, donations and bequests from private individuals	4,112 50
Total number under treatment	212	From other sources .....	.....
Discharged	194	Total	<hr/>
Died	8		\$8,234 69
Under treatment, 30th September, 1918	10		
	<hr/>	<i>Expenditures.</i>	
	212	Butchers' meat and fish	\$356 89
<i>Sex.</i>		Butter and eggs .....	.....
Male	138	Milk	175 60
Female	74	Tea and coffee .....	.....
	<hr/>	Potatoes and other vegetables .....	.....
	212	Groceries and provisions not enumerated	1,469 17

LADY MINTO HOSPITAL, CHAPLEAU.—Continued.

Drugs and medicines	} 199 51	Ice	60 00
Surgical and medical appli- cances		Beer, wine and spirits	2,889 25
Bedding, napery and general house furnishings	43 94	Taxes and insurance, tele- phone and power	225 00
Fuel	151 50	Stationery, printing, etc.	15 25
Brooms, brushes, mops, soap and cleaning appliances ...	156 89	Contingencies	24 40
Electric light, gas, oil and power	76 58	Repairs, ordinary .....	.....
Water supply	67 50	Hay and straw .....	.....
		Total	\$5,911 43
		Government grant for 1918 ..	\$1,255 26

GENERAL HOSPITAL, CHATHAM.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	31
Admitted	899
Births in Hospital	58
Total number under treat- ment	988
Discharged	893
Died	46
Under treatment, 30th Septem- ber, 1918	49
	988

Sex.

Male	414
Female	574
	988

Revenue.

From the Province of Ontario	\$654 37
From the City of Chatham ..	614 75
From the County of Kent ..	.....
From other municipalities of the Province	2,550 11
From patients themselves for maintenance and treatment	31,244 59
From subscriptions, donations and bequests from private individuals .....	.....
From all other sources .....	.....
Total	\$35,063 82

Expenditures.

Butchers' meat	\$2,234 28
Butter and eggs	518 25
Flour, bread and meal	930 53
Milk	1,719 18
Tea and coffee	902 55
Potatoes and other vegetables	674 06
Groceries and provisions not enumerated	4,152 31
Drugs and medicines	842 10
Surgical instruments	951 18
Beer, wine and spirits .....	.....
Bedding, napery and general house furnishings	2,870 64
Brooms, brushes, mops, soap and cleaning appliances ..	.....
Fuel	1,284 28
Electric light, gas, oil, candles	1,229 13
Ice	70 00
Salaries and wages	9,366 46
Insurance and interest	53 70
Contingencies	640 42
Repairs, ordinary	3,371 80
Laundry	1,207 00
Total	\$33,017 87
Government grant for 1918 ..	\$517 57

ST. JOSEPH'S HOSPITAL, CHATHAM.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	39	Butchers' meat	\$1,867 17
Admitted	747	Butter and eggs	2,174 05
Births in Hospital	89	Flour, bread and meal	1,426 37
	<hr/>	Milk	938 61
Total under treatment	875	Tea and coffee	486 18
Discharged	774	Potatoes and other vegetables	474 50
Died	53	Groceries and provisions not	
Under treatment, 30th Septem- ber, 1918	48	enumerated	2,080 71
	<hr/>	Drugs and medicines	600 93
<i>Sex.</i>	875	Medical and surgical appli- ances	419 25
Male	326	Beer, wine and spirits	19 60
Female	549	Bedding, napery and general house furnishings	1,097 12
	<hr/>	Brooms, brushes, mops, soap and cleaning appliances	595 66
<i>Revenue.</i>	875	Fuel	1,529 66
From the Province of Ontario	\$812 94	Light: electric, gas, oil, can- dles	242 56
From the City of Chatham ..	513 88	Ice supply	180 00
From the County of Kent ...	132 00	Salaries and wages	3,043 85
From patients for maintenance and treatment	20,025 09	Taxes, insurance and interest	1,209 50
From subscriptions, donations and bequests from private individuals	420 40	Contingencies	503 66
From other sources	574 62	Repairs, ordinary	3,281 94
	<hr/>	Advertising, printing and post- age	133 08
Total	\$22,488 93	Total	\$22,334 40
		Government grant for 1918 ..	\$513 66

COTTAGE HOSPITAL, COBOURG.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Revenue.</i>	
Number under treatment, 1st October, 1917	14	From the Province of Ontario	\$854 52
Admitted	174	From the Town of Cobourg ..	42 50
Births in Hospital	28	From the Counties of North- umberland and Durham	500 50
	<hr/>	From other municipalities in the Province	200 00
Total number under treat- ment	216	From paying patients them- selves	5,970 62
Discharged	194	From endowments, invest- ments, etc. ....	.....
Died	12	From subscriptions, donations, etc.	1,420 28
Under treatment, 30th Septem- ber, 1918	10	From other sources	33 80
	<hr/>	Total	\$9,022 22
<i>Sex.</i>	216		
Male	84		
Female	132		
	<hr/>		
Total	216		

COTTAGE HOSPITAL, COBOURG.—Continued.

<i>Expenditures.</i>			
Butchers' meat and fish	\$669 71	Fuel	887 64
Butter and eggs	482 59	Water	72 01
Flour, bread and meal	333 54	Electric light, gas, oil	246 34
Milk	374 95	Salaries and wages	2,946 63
Tea and coffee	156 62	Contingencies	559 46
Potatoes and other vegetables	56 40	Repairs, ordinary	107 80
Groceries and provisions not		Printing, stationery, postage,	
enumerated	356 04	etc.	105 72
Drugs and medicines	106 95	Ice	40 00
Medical and surgical appli-		Insurance	70 18
cances	405 77	Clothing for patients .....	.....
Bedding, napery and general		Wine and spirits .....	.....
house furnishings	540 24		
Brooms, brushes, mops, soap		Total	\$8,663 45
and cleaning appliances	144 78	Government grant for 1918 ..	\$811 48

LADY MINTO HOSPITAL, COCHRANE.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st	1	Butchers' meat	\$489 59
October, 1917	17	Butter and eggs	364 85
Admitted	225	Flour, bread and meal	291 78
Births in Hospital	31	Milk	295 41
		Tea and coffee	23 60
Total number under treat-		Potatoes and other vegetables.	234 80
ment	273	Groceries and provisions not	
Discharged	249	enumerated	349 50
Died	14	Drugs and medicines	160 00
Under treatment, 30th Septem-		Surgical instruments and ap-	
ber, 1918	10	pliances	311 76
		Beer, wine and spirits	7 12
	273	Bedding, napery and general	
<i>Sex.</i>		house furnishings	310 55
Male	151	Brooms, brushes, mops, soap	
Female	122	and cleaning appliances	105 17
	273	Fuel	704 20
<i>Revenue.</i>		Electric light, gas, oil, candles	206 71
From the Province of Ontario	\$758 38	Laundry	593 25
From the Town of Cochrane..	250 00	Clothing for patients .....	.....
From patients themselves for		Ice	64 50
maintenance and treatment.	3,367 25	Salaries and wages	3,570 60
From property belonging to		Taxes and insurance	260 70
Hospital, endowments, etc...	.....	Hay and straw	17 25
From subscriptions, donations,		Contingencies	51 30
and bequests from private		Printing, stationery, etc.	74 80
individuals	2,050 90	Repairs, ordinary	74 60
From other sources	258 95	Coffins and funerals	70 00
Total	\$6,685 48	Total	\$8,632 04
		Government grant for 1918 ..	\$1,978 95

GENERAL AND MARINE HOSPITAL, COLLINGWOOD.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	33
Admitted	407
Number of births in the Institution during the year	33
<hr/>	
Total number under treatment	473
Discharged	418
Died	27
Under treatment, 30th September, 1918	28
<hr/>	
	473
<i>Sex.</i>	
Male	201
Female	272
<hr/>	
	473
<i>Revenue.</i>	
Received from the Province of Ontario	\$1,381 38
From the Town of Collingwood	900 00
From the County of Simcoe	500 00
From paying patients	12,998 90
Subscriptions, donations, etc.	553 61
From sources not enumerated	
<hr/>	
Total	\$16,333 89

<i>Expenditures.</i>	
Butchers' meat	\$1,531 06
Butter and eggs	1,211 92
Flour, bread and meal	654 77
Milk	843 09
Tea and coffee	315 74
Potatoes and other vegetables	191 78
Groceries and provisions not enumerated	1,433 48
Drugs and medicines	759 48
Medical and surgical appliances	822 93
Beer, wine and spirits	13 00
Bedding, napery and general house furnishings	488 79
Brooms, brushes, mops, etc. ..	217 91
Fuel	2,084 93
Electric light, gas, oil, candles ..	171 45
Water supply	89 21
Ice	110 00
Salaries and wages	4,224 13
Contingencies	326 07
Repairs, ordinary	801 64
Taxes and insurance	12 75
<hr/>	
Total	\$16,304 13
Government grant for 1918 ..	\$929 73

GENERAL HOSPITAL, CORNWALL.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Total under treatment, 1st October, 1917	25
Admitted	503
Births in Hospital	38
<hr/>	
Total number under treatment	566
Discharged	509
Died	25
Under treatment, 30th September, 1918	32
<hr/>	
	566
<i>Sex.</i>	
Male	242
Female	324
<hr/>	
	566

<i>Revenue.</i>	
From the Province of Ontario	\$1,161 83
From the Town of Cornwall ..	325 00
From the Counties of Stormont, Dundas and Glengarry ..	1,000 00
From other municipalities in the Province	500 00
From paying patients themselves	12,429 80
From subscriptions, donations, etc.	7,047 81
From other sources	255 19
<hr/>	
Total	\$23,219 63

<i>Expenditures.</i>	
Butchers' meat and fish	\$1,305 08
Butter and eggs	1,085 37
Flour, bread and meal	618 02
Milk	848 00
Tea and coffee	154 68

GENERAL HOSPITAL, CORNWALL.—Continued.

Potatoes and other vegetables	257 83	Salaries and wages	4,320 86
Groceries and provisions not enumerated	936 17	Laundry	1,469 25
Drugs and medicines	510 26	Contingencies	67 08
Medical and surgical appliances	1,214 10	Repairs, ordinary	1,889 76
Surgical instruments	100 29	Printing, stationery, postage, telephone, etc.	482 64
Beer, wine and spirits	25 00	Ice	42 00
Bedding, napery and general house furnishings	327 48	Insurance and interest	100 21
Brooms, brushes, mops, soap and cleaning appliances	176 21	Hay and straw	.....
Fuel	2,575 44	Clothing for patients	.....
Electric light, gas, oil, candles	443 02	Total	\$18,948 75
		Government grant for 1918	\$1,388 95

HOTEL DIEU HOSPITAL, CORNWALL.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	38
Admitted	744
Births in Hospital	29
Total number under treatment	811
Discharged	734
Died	40
Under treatment, 30th September, 1918	37
	811

Sex.

Male	380
Female	431
	811

Revenue.

From the Province of Ontario	\$2,506 55
From the Town of Cornwall	825 00
From the Counties of Stormont, Dundas and Glengarry	1,000 00
From other municipalities in the Province	500 00
From paying patients, themselves	7,295 86
From subscriptions, donations, etc.	5,362 87
From other sources	1,731 41
Total	\$19,221 69

Expenditures.

Butchers' meat and fish	\$2,600 00
Butter and eggs	1,301 73
Flour, bread and meal	802 44
Milk	649 15
Tea and coffee	554 00
Potatoes and other vegetables enumerated	422 01
Groceries and provisions not enumerated	1,903 18
Drugs and medicines	822 14
Medical and surgical appliances	967 22
Surgical instruments	36 17
Beer, wine and spirits	78 22
Bedding, napery and general house furnishings	712 63
Brooms, brushes, mops, soap and cleaning appliances	423 16
Fuel	2,361 17
Electric light, gas, oil and candles	505 29
Ice	112 27
Salaries and wages	1,216 19
Taxes and insurance	90 00
Contingencies	1,302 38
Repairs, ordinary	2,019 07
Clothing for patients	.....
Hay and straw	62 17
Printing and postage	173 16
Total	\$19,113 75
Government grant for 1918	\$2,542 32

ROYAL ALEXANDRA HOSPITAL, FERGUS.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	24
Admitted	295
Births in Hospital	16
Total under treatment	335
Discharged	297
Died	23
Under treatment, 30th September, 1918	15
.....	335
 <i>Sex.</i>	
Male	136
Female	199
.....	335
 <i>Revenue.</i>	
From the Province of Ontario	\$373 90
From the County of Wellington	1,893 00
From other municipalities ...	25 00
From patients for maintenance and treatment	13,727 32
From subscriptions, donations and bequests from private individuals	50 00
From all other sources	374 71
Total	\$16,443 93

<i>Expenditures.</i>	
Butchers' meat	\$1,034 20
Butter and eggs	978 06
Flour, bread and meal	552 92
Milk	550 41
Tea and coffee	130 00
Potatoes and other vegetables	1,976 19
Groceries and provisions not enumerated	1,015 39
Drugs and medicines	626 91
Medical and surgical appliances	610 93
Surgical instruments	565 00
Bedding, napery and general house furnishings	1,374 23
Brooms, brushes, mops, soap and cleaning appliances ...	259 03
Fuel	1,451 17
Electric light, gas, oil, candles	248 12
Ice supply	25 50
Salaries and wages	3,201 14
Water supply	40 92
Contingencies	427 90
Repairs, ordinary	414 39
Hay, straw and feed	59 00
Printing and stationery	341 83
Freight and express	161 85
Taxes and insurance	82 94
Telephone	138 28
Laundry	927 18
Total	\$16,293 49
Government grant for 1918 ..	\$574 74

McKELLAR GENERAL HOSPITAL, FORT WILLIAM.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	64
Admitted	2,243
Number of births in Hospital	200
Total number under treatment	2,507
Discharged	2,361
Died	79
Under treatment, 30th September, 1918	67
.....	2,507
 <i>Sex.</i>	
Male	1,300
Female	1,207
.....	2,507

<i>Revenue.</i>	
From the Province of Ontario	\$3,385 78
From the Town of Fort William	13,241 62
From other municipalities ...	.....
From paying patients	35,902 55
Subscriptions, donations, etc..	772 78
Other sources	20 00
Total	\$53,322 73

<i>Expenditures.</i>	
Butchers' meat	\$2,996 71
Flour, bread and meal	3,411 02
Milk	1,603 93
Butter and eggs	2,250 60
Tea and coffee	618 15
Potatoes and other vegetables	936 17
Groceries and provisions not enumerated	3,333 53

MCKELLAR GENERAL HOSPITAL, FORT WILLIAM.—Continued.

Drugs and medicines	956 32	Contingencies	1,196 37
Medical and surgical appli- ances	3,167 30	Repairs, ordinary	2,690 83
Beer, wine and spirits	11 00	Interest	59 34
Bedding, napery and general house furnishings .....	.....	Water supply	499 42
Brooms, brushes, mops, soap and cleaning appliances and laundry	2,189 76	Fish	571 55
Fuel	8,977 06	Electric light, gas, oil, etc...	772 80
Taxes, insurance	1,560 75	X-ray supplies	265 43
Printing, stationery, etc.	524 48	Local improvement tax	448 06
Salaries and wages	16,110 30		
		Total	\$55,150 88
		Government grant for 1918 ..	\$2,419 55

GALT HOSPITAL, GALT.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	46
Admitted	683
Number of births in the Insti- tution	100
Total number under treat- ment	829
Discharged	739
Died	52
Under treatment, 30th Septem- ber, 1918	38
	829

Sex.

Male	319
Female	510
	829

Revenue.

From the Province of Ontario	\$1,450 43
From the Town of Galt	3,000 00
From the County of Waterloo	2,000 00
From other municipalities ..	100 00
From paying patients them- selves	18,454 24
Income from endowments, in- vestments, etc.	400 00
From subscriptions, bequests, and donations of private in- dividuals	187 66
From other sources .....	.....
Bank overdraft	4,709 90
Total	\$30,302 23

Expenditures.

Butchers' meat	\$2,120 81
Butter and eggs	1,247 95
Flour, bread and meal	1,048 03
Milk	1,661 30
Tea and coffee .....	.....
Potatoes and other vegetables	129 52
Groceries and provisions not enumerated	4,666 52
Drugs and medicines	1,052 16
Medical and surgical appli- ances	712 92
Beer, wine and spirits	168 60
Bedding, napery and general house furnishings	323 47
Brooms, brushes, mops, soap and cleaning appliances	438 96
Fuel	2,491 68
Electric light, gas, oil, candles	741 55
Water supply	236 71
Ice	340 72
Salaries and wages	6,637 84
Taxes and insurance	672 11
Contingencies	381 70
Repairs, ordinary	694 15
Printing, stationery, etc.	111 20
Telephone	106 53
Hay and straw	78 00
Total	\$26,061 96
Government grant for 1918 ..	\$1,787 08

GENERAL AND MARINE HOSPITAL, GODERICH.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	2	Butchers' meat	\$235 06
Admitted	138	Butter and eggs	364 60
Births in Hospital	30	Flour, bread and meal	169 50
	<hr/>	Milk	205 00
Total number under treatment	170	Tea and coffee	53 36
Discharged	154	Potatoes and other vegetables	117 89
Died	7	Groceries and provisions not enumerated	415 55
Under treatment, 30th September, 1918	9	Drugs and medicines	58 26
	<hr/>	Medical and surgical appliances	449 14
	170	Beer, wine and spirits .....	.....
<i>Sex.</i>		Surgical instruments .....	.....
Male	65	Bedding, napery and general house furnishings	7 58
Female	105	Brooms, brushes, mops, soap and cleaning appliances	147 53
	<hr/>	Fuel	931 83
	170	Electric light, gas, oil, candles	107 42
<i>Revenue.</i>		Water supply	18 00
From the Province of Ontario	\$234 01	Salaries and wages	1,983 50
From the Town of Goderich ..	500 00	Printing, stationery, etc.	28 34
From the County of Huron ..	500 00	Insurance	63 50
From other municipalities ...	.....	Ice supply	25 00
From patients themselves for maintenance and treatment.	3,635 60	Contingencies	288 38
From endowments, investments, etc.	75 00	Repairs, ordinary	404 22
From subscriptions, donations and bequests from private individuals	302 50	Rent	99 00
From other sources	1,193 01	Telephone	35 00
	<hr/>	Total	\$6,207 68
Total	\$6,440 12	Government grant for 1918 ..	\$181 88

GENERAL HOSPITAL, GUELPH.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Sex.</i>	
Number under treatment, 1st October, 1917	53	Male	691
Admitted	1,401	Female	883
Births in Hospital	120		<hr/>
	<hr/>		1,574
Total number under treatment	1,574	<i>Revenue.</i>	
Discharged	1,469	Received from the Province of Ontario	\$3,183 11
Died	45	From the City of Guelph	3,143 25
Under treatment, 30th September, 1918	60	From the County of Wellington	668 75
	<hr/>	From other municipalities ..	.....
	1,574		

GENERAL HOSPITAL, GUELPH.—Continued.

From paying patients	41,726 32
Subscriptions, donations, etc..	801 00
From other sources, not enumerated	1 579 34
Total	\$51,101 77

Expenditures.

Butchers' meat	\$5,049 21
Butter and eggs	3,441 91
Flour, bread and meal	1,660 50
Milk	33 94
Tea and coffee	453 33
Potatoes and other vegetables.	525 94
Groceries and provisions not enumerated	3,454 34
Drugs and medicines, surgical instruments and appliances	3,034 15

Beer, wine and spirits	22 50
Bedding, napery and general house furnishings	557 17
Brooms, brushes, mops, etc. . .	1,164 04
Fuel	8,341 14
Electric light, gas, oil, candles	1,939 09
Water supply	128 44
Hay and straw	712 14
Ice	154 00
Salaries and wages	13,799 98
Taxes, insurance and interest.	3,482 93
Repairs, ordinary	995 03
Contingencies	2,169 67
Printing, stationery, etc.	252 88
Clothing for patients .....	.....
Total	\$51,372 33
Government aid for 1918	\$1,003 99

ST. JOSEPH'S HOSPITAL, GUELPH.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	45
Admitted	753
Births in Hospital	41
Total number under treatment	839
Discharged	779
Died	24
Under treatment, 30th September, 1918	36
	839
<i>Sex.</i>	
Male	259
Female	580
	839

Revenue.

From the Province of Ontario	\$1,920 89
From the City of Guelph	1,703 75
From the County of Wellington	2,042 00
From other municipalities of the Province .....	.....
From paying patients	17,037 73
Subscriptions, donations, etc..	426 00
Other sources	734 75
Total	\$23,875 12

Expenditures.

Butchers' meat and fish	\$3,521 00
Butter and eggs	1,399 70
Flour, bread and meal	1,697 43
Milk .....	.....
Tea and coffee	720 30
Potatoes and other vegetables	.....
Groceries and provisions not enumerated	3,552 00
Drugs and medicines	1,080 75
Medical and surgical appliances	570 56
Surgical instruments	250 00
Beer, wine and spirits .....	.....
Bedding, napery and general furnishings	1,330 57
Brooms, brushes, mops, soap and cleaning appliances ...	725 00
Fuel	2,962 70
Electric light, gas, oil, candles	1,164 00
Water supply	65 00
Salaries and wages	1,890 00
Taxes, interest and insurance	221 95
Contingencies	970 82
Repairs, ordinary	1,620 30
Ice supply	52 00
Telephone .....	.....
Printing, stationery, etc.	225 30
Total	\$24,019 38
Government aid for 1918	\$600 46

CITY HOSPITAL, HAMILTON.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	276	Butchers' meat	\$17,802 90
Admitted	6,286	Butter and eggs	13,932 74
Births in Hospital	389	Flour, bread and meal	5,737 30
		Milk	10,813 22
		Tea and coffee	2,739 82
Total number under treatment	6,951	Potatoes and other vegetables	3,201 91
		Groceries and provisions not enumerated	18,990 72
Discharged	6,342	Drugs and medicines	5,191 18
Died	339	Medical and surgical appliances	13,740 01
Under treatment, 30th September, 1918	270	Laboratory	1,870 37
	6,951	Beer, wine and spirits	336 28
		Bedding, napery and general house furnishings	12,022 30
<i>Sex.</i>		Brooms, brushes, mops, soap and cleaning appliances	3,932 09
Male	3,349	Fuel	54,822 51
Female	3,602	Electric light, gas, oil and candles	3,817 36
	6,951	Water supply	2,947 23
		Staff library	107 86
<i>Revenue.</i>		Salaries and wages	76,576 84
From the Province of Ontario	\$18,848 34	Insurance and taxes	1,454 95
From the City of Hamilton ..	136,125 10	Contingencies	2,872 31
From the County of Wentworth		Repairs, ordinary	6,114 35
From patients for maintenance and treatment	98,993 96	Clothing for patients	242 95
From other sources		X-ray	3,315 14
		Merchandise, printing and postage	2,882 13
Total	\$253,967 40	Telephones and telegraphs ..	704 83
		Night watchmen, services ...	324 96
		Total	\$266,494 27
		Government grant for 1918 ..	\$17,028 36

ST. JOSEPH'S HOSPITAL, HAMILTON.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Sex.</i>	
Number under treatment, 1st October, 1917	83	Male	919
Admitted	1,946	Female	1,290
Number of births	180		2,209
Total number under treatment	2,209		
		<i>Revenue.</i>	
Discharged	2,011	From the Province of Ontario ..	\$3,687 88
Died	110	From the City of Hamilton ..	2,533 05
Under treatment, 30th September, 1918	83	Income from endowments, investments, etc.	585 00
	2,209	From paying patients themselves	41,722 73
		Subscriptions, donations and bequests in cash	
		From all other sources	
		Total	\$48,528 66

ST. JOSEPH'S HOSPITAL, HAMILTON.—Continued.

<i>Expenditures.</i>			
Butchers' meat and fish	\$5,166 51	Fuel	7,235 27
Butter and eggs	4,481 05	Electric light, gas, oil and candles	822 96
Flour, bread and meal	2,246 16	Water supply	312 33
Milk	2,401 26	Clothing for patients, includ- ing boots and shoes	320 90
Tea and coffee	806 96	Ice supply	712 80
Potatoes and other vegetables	1,555 64	Salaries and wages	5,521 45
Groceries and other provisions not enumerated	3,580 18	Taxes, insurance and interest	1,901 18
Drugs and medicines	2,038 07	Contingencies	492 32
Medical and surgical appli- ances	2,238 23	Repairs, ordinary	1,481 31
Surgical instruments	608 53	Printing, stationery, etc.	404 33
Beer, wine and spirits	119 07	Coffins and funerals .....	.....
Bedding, etc.	3,425 39	Total	\$48,462 32
Brooms, brushes, mops, soap and cleaning appliances ...	590 42	Government grant for 1918 ..	\$3,712 29

PROVIDENCE HOSPITAL, HAILEYBURY.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	33	Butchers' meat	\$2,025 00
Admitted	739	Butter and eggs	1,212 00
Births in Hospital	33	Flour, bread and meal	787 00
		Milk	1,505 00
Total number under treat- ment	805	Tea and coffee	985 00
Discharged	744	Potatoes and other vegetables	464 00
Died	31	Groceries and provisions not enumerated	1,508 00
Under treatment, 30th Septem- ber, 1918	30	Drugs, medicines	1,547 00
	805	Medical and surgical appli- ances and surgical instru- ments	1,744 00
<i>Sex.</i>		Beer, wine and spirits .....	.....
Male	359	Bedding, napery and general house furnishings	695 00
Female	446	Brooms, brushes, etc.	507 00
	805	Fuel	2,439 00
<i>Revenue.</i>		Electric light, gas, oil, candles	718 00
From Government of Ontario	\$3,403 00	Water supply .....	.....
From Town of Haileybury ..	551 25	Printing, stationery, etc.	273 00
From patients for mainten- ance and treatment	19,716 00	Hay and straw	611 00
From other municipalities ..	604 00	Ice	180 00
From subscriptions, bequests and donations of private in- dividuals	270 00	Salaries and wages	3,315 00
From other sources	4,457 50	Taxes and insurance .....	.....
Income from endowments, etc.	803 00	Repairs, ordinary	1,445 00
Total	\$29,804 75	Contingencies	542 00
		Clothing for patients	467 00
		Surgical instruments .....	.....
		Total	\$22,969 00
		Government grant for 1918 ..	\$3,775 58

GENERAL HOSPITAL, INGERSOLL.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	13
Admitted	156
Births in Hospital	31
<hr/>	
Total number under treatment	200
Discharged	162
Died	21
Under treatment, 30th September, 1918	17
<hr/>	
	200
<i>Sex.</i>	
Male	84
Female	116
<hr/>	
	200
<i>Revenue.</i>	
From the Province	\$567 51
From the Town of Ingersoll ..	1,000 00
From the County of Oxford ..	500 00
From patients themselves for maintenance and treatment.	5,017 60
From subscriptions, donations, and bequests from private individuals	759 22
From other sources	264 06
<hr/>	
Total	\$8,108 39

<i>Expenditures.</i>	
Butchers' meat	\$ 94 63
Butter and eggs	331 48
Bread	190 11
Milk	268 89
Tea and coffee .....	.....
Potatoes and other vegetables	54 76
Groceries and provisions not enumerated	900 89
Drugs and medicines	457 24
Medical and surgical appliances	58 75
Bedding, napery and general house furnishings	706 32
Brooms, brushes, mops, soap and cleaning appliances	11 50
Fuel	1,295 69
Electric light, gas, oil, candles	130 12
Salaries and wages	2,210 77
Insurance and taxes	154 44
Contingencies	120 87
Repairs, ordinary and additions	514 83
Ice	60 00
Water	65 28
Advertising and printing	35 93
Beer, wine and spirits .....	.....
<hr/>	
Total	\$8,262 46
Government grant for 1918 ..	\$891 89

GENERAL HOSPITAL, KENORA.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	17
Admitted	215
Number of births in Hospital	20
<hr/>	
Total number under treatment	252
Discharged	226
Died	12
Under treatment, 30th September, 1918	14
<hr/>	
	252
<i>Sex.</i>	
Male	135
Female	117
<hr/>	
	252

<i>Revenue.</i>	
From the Province of Ontario	\$974 98
From the Town of Kenora ..	1,000 00
From other municipalities ..	.....
From paying patients	6,637 50
Subscriptions, donations, etc..	.....
Care of lumber and railway camp cases .....	.....
From other sources	1,558 15
<hr/>	
Total	\$10,170 63

<i>Expenditures.</i>	
Potatoes and other vegetables	\$125 50
Butchers' meat and fish	809 17
Butter and eggs	220 50
Bread	325 00
Milk	273 77
Groceries and provisions not enumerated, flour and meal.	1,264 50

GENERAL HOSPITAL, KENORA.—Continued.

Drugs and medicines and surgical appliances	600 83	Contingencies	75 00
Surgical instruments	257 00	Repairs, ordinary	1,000 44
Beer, wine and spirits .....	.....	Insurance	240 10
Bedding, napery and general house furnishings	60 10	Stationery, postage, etc.	25 00
Fuel	1,568 66	Hay and straw .....	.....
Electric light, gas, oil and candles and water .....	.....	Clothing for patients .....	.....
Ice	58 00	Brooms, mops, etc. ....	.....
Salaries and wages	2,733 56	Total	\$9,637 13
		Government aid for 1918	\$899 07

ST. JOSEPH'S HOSPITAL, KENORA.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	13	Butchers' meat and fish	\$607 12
Admitted	145	Butter and eggs	556 27
Births in Hospital	5	Flour, bread and meal	305 65
Total number under treatment	163	Milk	487 13
Discharged	133	Tea and coffee	16 68
Died	13	Potatoes and other vegetables	173 17
Under treatment, 30th September, 1918	17	Groceries and provisions not enumerated	483 55
	163	Drugs and medicines	112 90
<i>Sex.</i>		Surgical instruments	5 60
Male	70	Medical and surgical appliances	188 30
Female	93	Beer, wine and spirits and mineral water	1 75
	163	Bedding, napery and general house furnishings	224 13
<i>Revenue.</i>		Brooms, brushes, mops, soap and cleaning appliances	63 45
From the Province of Ontario	\$1,144 98	Fuel	1,437 00
From the Town of Kenora ...	1,039 00	Electric light, gas, oil and candles	74 79
From Dominion Government.	389 25	Clothing for patients	134 59
From patients themselves for maintenance and treatment.	4,575 15	Ice	50 00
From subscriptions, donations and bequests of private individuals	789 12	Salaries and wages	910 40
From other sources	1,242 39	Insurance	41 30
Total	\$9,179 89	Contingencies	104 50
		Repairs, ordinary	135 50
		Hay and straw	965 55
		Printing, stationery, etc.	55 73
		Coffins and funerals	83 50
		Total	\$7,218 56
		Government grant for 1918 ..	\$1,246 88

GENERAL HOSPITAL, KINCARDINE.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Discharged</i>	
Number under treatment, 1st October, 1917	6	Discharged	139
Admitted	130	Died	9
Births in Hospital	19	Under treatment, 30th September, 1918	7
Total number under treatment	155		155

GENERAL HOSPITAL, KINCARDINE.—Continued.

<i>Sex.</i>			
Male	63	Milk .....	.....
Female	92	Tea and coffee	100 61
	155	Potatoes and other vegetables	17 50
		Groceries and provisions not enumerated	163 69
		Drugs and medicines	121 31
		Medical and surgical appliances	54 29
		Bedding, napery and general house furnishings	333 34
		Brooms, brushes, mops, soap and cleaning appliances	41 65
		Fuel	892 80
		Electric light, gas, oil, candles	155 40
		Beer, wine and spirits .....	.....
		Ice supply	22 00
		Salaries and wages	1,987 04
		Contingencies	165 97
		Repairs, ordinary	443 71
		Hay and straw	118 82
		Printing and postage	23 25
		Taxes and insurance	35 00
		Total	\$5,242 10
		Government grant for 1918 ..	\$458 95

<i>Revenue.</i>		
From the Province of Ontario	\$394 67	
From the Town of Kincardine .....	.....
From patients for maintenance and treatment	2,751 32	
From subscriptions, donations, and bequests from private individuals	268 00	
From other sources	192 50	
From County of Bruce	1,810 00	
Total	\$5,416 49	

<i>Expenditure.</i>		
Butchers' meat	\$300 61	
Butter and eggs	202 56	
Flour, bread and meal	152 55	

GENERAL HOSPITAL, KINGSTON.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>			<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	129	Butchers' meat	\$8,883 09	
Admitted	3,277	Butter and eggs	9,406 20	
Births in Hospital	129	Flour, bread and meal	3,699 95	
		Milk	5,870 71	
Total number under treatment	3,535	Tea and coffee	1,615 85	
Discharged	3,302	Potatoes and other vegetables	2,587 39	
Died	123	Groceries and provisions not enumerated	11,663 15	
Under treatment, 30th September, 1918	110	Drugs and medicines	3,762 29	
	3,535	Surgical instruments and appliances	5,914 26	
		Beer, wine and spirits	453 05	
		Bedding, napery and general house furnishings	3,451 22	
		Brooms, brushes, mops, soap and cleaning appliances	1,302 32	
		Fuel	8,698 80	
		Electric light, gas, oil and candles	4,336 83	
		Water supply	670 64	
		Ice	108 00	
		Salaries and wages	17,312 78	
		Insurance and taxes	313 94	
		Contingencies	8,089 38	
		Repairs, ordinary	3,633 90	
		Printing, stationery, etc.	1,068 59	
		Clothing for patients	9 00	
		Total	\$102,851 34	
		Government grant for 1918 ..	\$5,911 29	

<i>Sex.</i>		
Male	1,955	
Female	1,580	
	3,535	

<i>Revenue.</i>		
From the Province of Ontario	\$4,336 28	
From the City of Kingston ..	15,000 00	
From the County of Frontenac ..	2,300 00	
From other municipalities in the Province	1,170 00	
From paying patients themselves for treatment	74,853 48	
Subscriptions, donations and bequests	4,195 45	
From all other sources not enumerated	1,973 68	
Total	\$103,828 89	

HOTEL DIEU HOSPITAL, KINGSTON.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	83
Admitted	1,888
Births in Hospital	105
<hr/>	
Total number under treatment	2,076
Discharged	1,915
Died	93
Under treatment, 30th September, 1918	68
<hr/>	
	2,076
<i>Sex.</i>	
Male	943
Female	1,133
<hr/>	
	2,076
<i>Revenue.</i>	
From the Province of Ontario	\$4,943 18
From the City of Kingston ..	5,000 00
From the County of Frontenac	1,550 00
From other municipalities ...	200 00
From patients themselves for maintenance and treatment.	33,376 76
Subscriptions, donations and bequests	421 25
From other sources not enumerated	7,329 38
<hr/>	
Total	\$52,820 57

<i>Expenditures.</i>	
Butchers' meat	\$5,359 93
Butter and eggs	3,777 37
Flour, bread and meal	2,593 35
Milk	3,059 65
Tea and coffee	682 45
Potatoes and other vegetables	1,792 60
Groceries and provisions not enumerated	5,621 09
Drugs and medicines	1,447 23
Medical and surgical appliances	2,550 67
Surgical instruments	76 11
Beer, wine and spirits	903 30
Bedding, napery and general house furnishings	3,832 08
Brooms, brushes, mops, soap and cleaning appliances ...	855 87
Fuel	5,174 53
Light: gas, oil and candles ..	2,752 17
Water supply	595 59
Ice	231 70
Salaries and wages	4,134 75
Taxes and insurance	863 19
Hay and straw	222 52
Contingencies	1,424 31
Repairs, ordinary	6,883 22
Printing, stationery, etc.	371 15
Clothing for patients	27 50
<hr/>	
Total	\$55,232 33
Government grant for 1918 ..	\$5,117 80

KITCHENER AND WATERLOO HOSPITAL, KITCHENER.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	39
Admitted	871
Births in Hospital	73
<hr/>	
Total number under treatment	983
Discharged	890
Died	53
Under treatment, 30th September, 1918	40
<hr/>	
	983
<i>Sex.</i>	
Male	414
Female	569
<hr/>	
	983

<i>Revenue.</i>	
From the Province of Ontario	\$1,422 81
From the Town of Kitchener.	2,000 00
From the County of Waterloo	1,000 00
From the Town of Waterloo..	800 00
From patients for maintenance and treatment	24,768 40
From subscriptions, donations and bequests from private individuals	2,313 33
From other sources	4,769 14
<hr/>	
Total	\$37,073 68

<i>Expenditures.</i>	
Butchers' meat	\$1,704 82
Butter and eggs	1,127 75
Flour, bread and meal	1,010 56
Milk	1,453 36
Tea and coffee	166 13

KITCHENER AND WATERLOO HOSPITAL, KITCHENER.—*Continued.*

Potatoes and other vegetables	262 05	Electric light, gas, oil and candles	1,083 41
Groceries and provisions not enumerated	2,825 39	Ice supply	108 00
Drugs and medicines	1,477 48	Salaries and wages	8,449 75
Medical and surgical appliances	2,101 45	Insurance and taxes	76 25
Beer, wine and spirits	.....	Contingencies	1,298 53
Bedding, napery and general house furnishings	.....	Repairs, ordinary	928 56
Brooms, brushes, mops, soap and cleaning appliances	644 28	Water supply	210 69
Fuel	4,580 60	Total	\$29,509 06
		Government grant for 1918	\$340 31

GENERAL HOSPITAL, LONDON.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	182	Butchers' meat	\$18,659 56
Admitted	3,404	Butter and eggs	12,420 50
Births in Hospital	247	Flour, bread and meal	4,653 94
		Milk	7,110 57
Total number under treatment	3,833	Tea and coffee	1,879 22
Discharged	3,456	Potatoes and other vegetables	3,242 65
Died	185	Groceries and provisions not enumerated	10,908 86
Under treatment, 30th September, 1918	192	Drugs and medicines	8,692 75
	3,833	Surgical instruments	829 52
		Medical and surgical appliances	9,220 04
<i>Sex.</i>		Beer, wine and spirits	414 50
Male	1,611	Bedding, napery and general house furnishings	7,878 58
Female	2,222	Brooms, brushes, mops, soap and cleaning appliances	1,608 33
	3,833	Fuel	27,607 77
		Light: gas, oil and candles	2,281 54
<i>Revenue.</i>		Water	1,123 67
From the Province of Ontario	\$9,631 40	Ice	1,073 77
From the City of London	73,551 83	Salaries and wages	45,168 80
From the County of Middlesex, in payment of patients	6,007 07	Insurance	1,938 66
From paying patients themselves	77,562 37	Contingencies	3,553 77
From income from property or investments	750 69	Repairs, ordinary	4,059 14
Subscriptions, donations and bequests	.....	Printing and stationery	1,277 52
Bank overdraft	25,213 57	Laundry	7,261 85
	\$192,716 93	Total	\$182,865 51
		Government grant for 1918	\$6,681 68

ST. JOSEPH'S HOSPITAL, LONDON.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	90	Discharged	1,825
Admitted	1,741	Died	62
Births in Hospital	156	Under treatment, 30th September, 1918	100
			1,987
Total number under treatment	1,987		

ST. JOSEPH'S HOSPITAL, LONDON.—Continued.

<i>Sex.</i>	
Male	759
Female	1,228
	<hr/>
	1,987

<i>Revenue.</i>	
From the Province of Ontario	\$1,552 62
From other municipalities ..	2,269 50
From paying patients	71,079 74
Subscriptions, donations, etc..	.....
Other sources .....	.....
	<hr/>
Total	\$74,901 86

<i>Expenditures.</i>	
Butchers' meat	\$6,833 44
Butter and eggs	6,058 73
Flour, bread and meal	2,624 12
Milk	5,219 91
Tea and coffee	810 50
Potatoes and other vegetables	1,020 13
Groceries and provisions not enumerated	6,537 17

Drugs and medicines	3,278 78
Medical and surgical appli- ances	3,877 84
Beer, wine and spirits	238 40
Bedding, napery and general house furnishings	3,553 79
Brooms, brushes, mops, soap and cleaning appliances ...	745 40
Fuel	8,918 72
Light: gas, oil and candles...	1,734 83
Water	373 91
Telephone	104 00
Ice	430 60
Salaries and wages	9,321 17
Insurance, taxes and interest.	7,661 96
Contingencies	896 04
Repairs, ordinary	3,546 06
Printing, stationery, postage, etc.	214 19
Fresh fruit	1,150 57
	<hr/>
Total	\$75,150 31

Government grant for 1918 .. \$1,136 07

VICTORIA HOME FOR INCURABLES, LONDON.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	53
Admitted	27
Births in Hospital .....	....
	<hr/>
Total number under treat- ment	80
Discharged	6
Died	24
Under treatment, 30th Septem- ber, 1918	50
	<hr/>
	80

<i>Sex.</i>	
Male	33
Female	47
	<hr/>
	80

<i>Revenue.</i>	
From the Province of Ontario	\$1,342 74
From the City of London.....	1,369 50
From other municipalities in the Province .....	.....
From paying patients them- selves	11,609 65
From subscriptions, donations, etc.	578 96
From other sources	168 57
	<hr/>
Total	\$15,069 42

<i>Expenditures.</i>	
Butchers' meat and fish	\$1,128 50
Butter and eggs	1,460 56
Flour, bread and meal	880 35
Milk	1,006 80
Tea and coffee .....	.....
Potatoes and other vegetables	.....
Groceries and provisions not enumerated	2,057 03
Drugs and medicines	190 67
Medical and surgical appli- ances .....	.....
Surgical instruments .....	.....
Beer, wine and spirits .....	.....
Bedding, napery and general house furnishings	898 64
Brooms, brushes, mops, soap and cleaning appliances ...	167 26
Fuel	1,627 59
Electric light, gas, oil and candles	336 64
Ice	16 10
Salaries and wages	4,975 35
Taxes and insurance	18
Contingencies	61 10
Repairs, ordinary	478 14
Clothing for patients .....	.....
Hay and straw .....	.....
Printing and postage	23 50
Water supply	125 03
	<hr/>
Total	\$15,433 44

Government grant for 1918 .. \$3,151 48

THE ROSS MEMORIAL HOSPITAL, LINDSAY.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	16	Butchers' meat	\$1,370 33
Admitted	378	Butter and eggs	1,190 82
Births in Hospital	47	Flour, bread and meal	446 37
		Milk	675 06
		Tea and coffee	170 20
Total number under treat- ment	441	Potatoes and other vegetables	344 95
		Groceries and provisions not enumerated	812 10
Discharged	393	Drugs and medicines	913 56
Died	30	Medical and surgical appli- ances	996 31
Under treatment, 30th Septem- ber, 1918	18	Surgical instruments	23 60
		Beer, wine and spirits	13 15
	441	Bedding, nappery and general house furnishings	639 90
<i>Sex.</i>		Brooms, brushes, mops, soap and cleaning appliances ...	334 25
Male	189	Fuel	1,341 33
Female	252	Electric light, gas, oil and candles	83 75
	441	Water supply	85 00
<i>Revenue.</i>		Clothing for patients, includ- ing boots and shoes	3 78
From the Province of Ontario	\$940 58	Ice	150 00
From the Town of Lindsay ..	600 00	Salaries and wages	4,707 97
From the County of Victoria.	1,100 00	Contingencies	1,358 56
From other municipalities ..	.....	Repairs, ordinary	389 80
From patients themselves for maintenance and treatment.	8,725 15	Taxes and insurance	102 73
Income from endowments ...	2,575 61	Stationery, postage, etc.	222 93
Subscriptions, donations and bequests of private individ- uals	65 50		
From other sources not enum- erated	1,675 76	Total	\$16,376 45
Total	\$15,682 60	Government grant for 1918 ..	\$605 82

GENERAL HOSPITAL, MATTAWA.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Sex.</i>	
Number under treatment, 1st October, 1917	22	Male	200
Admitted	275	Female	97
			297
Total number under treat- ment	297	<i>Revenue.</i>	
		From the Province of Ontario	\$4,038 97
Discharged	270	From Town of Mattawa	75 00
Died	5	From patients for mainten- ance and treatment	3,422 04
Under treatment, 30th Septem- ber, 1918	22	From subscriptions, bequests and donations of private in- dividuals	279 00
	297	From other sources	1,572 00
		Total	\$9,387 01

GENERAL HOSPITAL, MATTAWA.—Continued.

<i>Expenditures.</i>			
Butchers' meat	\$750 00	Brooms, brushes, etc.	90 25
Butter and eggs	312 00	Fuel	670 80
Flour, bread and meal	285 90	Electric light, gas, oil, candles	150 00
Milk	291 60	Water supply	115 60
Tea and coffee	269 00	Printing, stationery, etc.	110 00
Potatoes and other vegetables	165 40	Hay and straw	136 00
Groceries and provisions not		Ice	34 00
enumerated	120 88	Salaries and wages	1,225 00
Drugs and medicines	212 67	Taxes and insurance	165 75
Medical and surgical appli-		Repairs, ordinary	3,762 00
cances	30 00	Contingencies	35 00
Beer, wine and spirits	225 48	Clothing for patients	188 35
Surgical instruments .....	.....	Coffins and funerals .....	.....
Bedding, napery and general			
house furnishings	129 00	Total	\$9,474 68
		Government grant for 1918 ..	\$2,121 06

GENERAL HOSPITAL, MIDLAND.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st		Butchers' meat	\$273 98
October, 1917	8	Butter and eggs	323 67
Admitted	216	Flour, bread and meal	178 50
Births in Hospital	24	Milk	35 88
		Tea and coffee	30 40
Total number under treat-		Potatoes and other vegetables	68 67
ment	248	Groceries and provisions not	
		enumerated	388 95
Discharged	232	Drugs and medicines	301 91
Died	9	Surgical instruments and ap-	
Under treatment, 30th Septem-		pliances	252 12
ber, 1918	7	Beer, wine and spirits	8 75
		Bedding, napery and general	
	248	house furnishings	64 02
<i>Sex.</i>		Brooms, brushes, mops, soap	
Male	124	and cleaning appliances	17 63
Female	124	Fuel	312 23
	248	Light: electric, gas, oil and	
		candles	51 98
		Water supply	21 70
<i>Revenue.</i>		Ice	44 00
From the Province of Ontario	\$623 29	Salaries and wages	2,175 10
From the Town of Midland ..	.....	Printing, stationery, etc.	45 08
From the County of Simcoe ..	500 00	Contingencies	1,119 71
From other municipalities ..	.....	Repairs, ordinary	1,293 48
From patients themselves for		Taxes and insurance	25 50
maintenance and treatment.	6,280 46	Laundry	590 39
From subscriptions, donations		Hay and straw	271 93
and bequests from private			
individuals	21 65	Total	\$7,895 58
From other sources .....	.....	Government grant for 1918 ..	\$246 25
Total	\$7,425 40		

LADY MINTO HOSPITAL, NEW LISKEARD.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	8
Admitted	181
Births in Hospital	23
Total number under treatment	212
Discharged	194
Died	12
Under treatment, 30th September, 1918	6
Sex.	212
Male	110
Female	102
Revenue.	212
From the Province of Ontario	\$755 55
From the Town of New Liskeard	100 00
From other municipalities ..	100 00
From Victorian Order	450 00
From patients for maintenance and treatment	4,507 18
From subscriptions, donations and bequests from private individuals	508 45
From other sources	1,376 64
Total	\$7,797 82

<i>Expenditures.</i>	
Butchers' meat	\$531 91
Butter and eggs	378 64
Flour, bread and meal	307 10
Milk	263 52
Tea and coffee	45 78
Potatoes and other vegetables	292 58
Groceries and provisions not enumerated	619 36
Drugs and medicines	226 96
Medical and surgical appliances	139 24
Beer, wine and spirits .....	.....
Bedding, napery and general house furnishings	233 36
Brooms, brushes, mops, soap and cleaning appliances	91 78
Fuel	718 00
Electric light, gas, oil and power	110 44
Ice supply	48 40
Salaries and wages	2,893 05
Repairs, ordinary	714 20
Laundry	40 22
Printing, stationery, etc.	210 69
Taxes and insurance .....	.....
Contingencies	65 25
Nurses' Home Fund .....	.....
Total	\$7,930 48
Government grant for 1918 ..	\$258 70

GENERAL HOSPITAL, NIAGARA FALLS.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	27
Admitted	517
Births in Hospital	89
Total under treatment ..	633
Discharged	579
Died	29
Under treatment, 30th September, 1918	25
Sex.	633
Male	303
Female	330
Total	633

<i>Revenue.</i>	
From the Province of Ontario ..	\$1,148 03
From the Town of Niagara Falls	1,975 00
From the County of Welland.	2,000 00
From other municipalities ..	300 00
From patients for maintenance and treatment	14,788 92
From subscriptions, donations, and bequests from private individuals	852 00
From other sources	1,021 84
Total	\$22,085 79
<i>Expenditures.</i>	
Butchers' meat	\$1,282 86
Butter and eggs	1,253 34
Flour, bread and meal	507 45

GENERAL HOSPITAL, NIAGARA FALLS.—Continued.

Milk	695 03	Fuel	2,167 67
Tea and coffee	198 33	Electric, light, gas, oil, candles	175 30
Potatoes and other vegetables	190 99	Ice supply	191 80
Groceries and provisions not enumerated	2,343 33	Salaries and wages	4,530 03
Drugs and medicines	1,360 03	Contingencies	1,897 03
Medical and surgical appli- ances	1,174 62	Repairs, ordinary	819 51
Surgical instruments	98	Taxes and insurance	628 94
Beer, wine and spirits .....	.....	Water supply	47 72
Bedding, napery and general house furnishings	292 38	Printing and postage	96 10
Brooms, brushes, mops, soap and cleaning appliances ...	148 42	Interest on mortgage	300 00
		Total	\$20,301 86
		Government grant for 1918 ..	\$285 84

QUEEN VICTORIA MEMORIAL HOSPITAL, NORTH BAY.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	10
Admitted	407
Births in Hospital	52
Total number under treat- ment	439
Discharged	438
Died	12
Under treatment, 30th Septem- ber, 1918	19
	469

Sex.

Male	226
Female	243
	469

Revenue.

From the Province of Ontario	\$1,092 67
From the Town of North Bay	1,200 25
From other municipalities ..	35 50
From patients themselves for maintenance and treatment	8,740 70
Subscriptions, donations, etc..	1,750 86
Total	\$12,819 98

Expenditures.

Butchers' meat	\$856 48
Butter and eggs	710 62
Flour, bread and meal	472 12
Milk	595 63
Tea and coffee	216 50
Potatoes and other vegetables	573 16
Groceries and provisions not enumerated	812 28
Drugs and medicines	422 19
Surgical instruments and ap- pliances	1,051 44
Bedding, napery and general house furnishings	475 84
Brooms, brushes, mops, soap and cleaning appliances ...	172 99
Fuel	1,345 05
Electric light, gas, oil, candles	127 71
Water supply	37 50
Ice	65 00
Salaries and wages	3,523 81
Contingencies	1,130 87
Repairs, ordinary	560 44
Beer, wine and spirits	100 75
Taxes and insurance	29 85
Printing and postage	167 12
Surgical instruments .....	.....
Total	\$13,447 29
Government grant for 1918 ..	\$487 55

GENERAL HOSPITAL, ORANGEVILLE.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	9
Admitted	123
Births in Hospital	17
Total number under treat- ment	149

Discharged	125
Died	15
Under treatment, 30th Septem- ber, 1918	9
	149

GENERAL HOSPITAL, ORANGEVILLE.—Continued.

<i>Sex.</i>	
Male	49
Female	100
	149

Revenue.

From the Province of Ontario.	\$483 57
From the Town of Orangeville	100 00
From the County of Dufferin.	300 00
From other municipalities ..	.....
From patients for maintenance and treatment	5,589 27
From endowments, investments, etc. ....	.....
From subscriptions, donations, and bequests from private individuals	199 25
From other sources .....	.....
	Total
	\$6,672 09

Expenditures.

Butchers' meat	\$320 36
Butter and eggs	364 56
Flour, bread and meal	95 39
Milk	282 02

Tea and coffee	255 77
Potatoes and other vegetables	45 20
Groceries and provisions not enumerated	835 18
Drugs and medicines	400 60
Medical and surgical appliances .....	.....
Beer, wine and spirits .....	.....
Bedding, napery and general house furnishings	506 34
Brooms, brushes, mops, soap and cleaning appliances	170 99
Fuel	367 63
Light: Gas, oil and candles ..	64 70
Water .....	.....
Ice supply	13 75
Salaries and wages	1,297 00
Laundry	507 21
Contingencies .....	.....
Repairs, ordinary	223 50
Printing, stationery and postage	52 40
Taxes and insurance	43 25
Telephone	25 71
Rent of rooms	154 00
	Total
	\$6,025 56

Government grant for 1918 ..	\$649 14
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GENERAL HOSPITAL, ORILLIA.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	17
Admitted	580
Births in Hospital	88
	Total number under treatment
	685
Discharged	640
Died	23
Under treatment, 30th September, 1918	22
	685

Sex.

Male	285
Female	400
	685

Revenue.

From the Province of Ontario	\$1,592 40
From the Town of Orillia ...	500 00
From the County of Simcoe..	500 00
From patients themselves for maintenance and treatment.	12,103 69
From subscriptions, donations and bequests from private individuals	41 20
From other sources	414 05
	Total
	\$15,154 25

Expenditures.

Butchers' meat	\$693 58
Butter and eggs	481 92
Flour, bread and meal	602 06
Milk	750 30
Groceries and provisions not enumerated	1,628 40
Drugs and medicines	365 62
Medical and surgical appliances	1,173 35
Bedding, napery and general house furnishings	456 89
Brooms, brushes, mops, soap and cleaning appliances ...	21 30
Fuel	1,888 29
Electric light, gas, oil and candles	321 77
Water supply	62 13
Beer, wine and spirits .....	.....
Salaries and wages	3,251 63
Taxes and insurance	29 54
Contingencies	298 00
Repairs, ordinary	544 37
Printing, stationery, etc.	903 86
Ice supply	55 00
	Total
	\$13,528 01

Government grant for 1918 ..	\$2,066 34
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GENERAL HOSPITAL, OSHAWA.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	22	Butchers' meat and fish	\$729 88
Admitted	632	Butter and eggs	644 80
Number of births in Hospital	71	Flour, bread and meal	581 50
		Milk	865 37
		Tea and coffee	273 77
Total number under treat- ment	725	Potatoes and other vegetables	91 42
Discharged	663	Groceries and provisions not enumerated	1,616 42
Died	43	Drugs and medicines	548 25
Under treatment, 30th Septem- ber, 1918	19	Medical and surgical appli- ances	687 21
	725	Beer, wine and spirits .....	.....
<i>Sex.</i>		Bedding, napery and general house furnishings	174 31
Male	342	Brooms, brushes, mops, soap and cleaning appliances	248 48
Female	383	Fuel	2,923 47
	725	Electric light, gas, oil, candles	644 50
		Water supply	167 08
		Ice	132 00
		Salaries and wages	5,895 65
<i>Revenue.</i>		Contingencies	171 58
From the Province of Ontario	\$1,510 27	Repairs, ordinary	831 89
From the Town of Oshawa ..	600 00	Surgical instruments .....	.....
From the County of Ontario.	600 00	Printing, stationery and post- age	161 29
From paying patients	15,159 66	Taxes and insurance	291 21
Subscriptions, donations, etc.	116 50		
From all other sources	259 14	Total	\$17,680 08
Total	\$18,245 57	Government aid for 1918	\$2,163 84

GENERAL PROTESTANT HOSPITAL, OTTAWA.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Revenue.</i>	
Number under treatment, 1st October, 1917	120	From the Province of Ontario	\$3,912 09
Admitted	2 547	From the City of Ottawa	18,516 50
Births in the Hospital .....	.....	From the County of Carleton.	1,500 00
		From other municipalities ..	880 00
Total number under treat- ment	2,667	From patients themselves for maintenance and treatment	69,944 55
Discharged	2,406	income from endowments, in- vestments, etc. ....	.....
Died	123	Subscriptions, donations and bequests of private individ- uals	7,749 45
Under treatment, 30th Septem- ber, 1918	138	From other sources not enu- merated	3,288 40
	2,667	Total	\$105 790 99
<i>Sex.</i>			
Male	1,239	<i>Expenditures.</i>	
Female	1,428	Butchers' meat	\$8 210 93
	2,667	Butter and eggs	5,975 31
		Flour, bread and meal	3,414 02

GENERAL PROTESTANT HOSPITAL, OTTAWA.—Continued.

Milk	5,448 26	Electric light, gas, oil, candles	1,074 35
Tea and coffee	886 71	Water supply	848 52
Potatoes and other vegetables	1,768 95	Clothing for patients, includ-	
Groceries and provisions not		ing boots and shoes	162 65
enumerated	5,846 39	Ice	251 64
Drugs and medicines	4,115 82	Salaries and wages	28,364 58
Medical and surgical appli-		Taxes and insurance	316 00
cances	11,483 26	Contingencies	4,553 87
Surgical instruments	617 19	Repairs, ordinary	3,310 92
Beer, wine and spirits	730 76	Interest	1,292 60
Bedding, napery and general		Printing, stationery, etc.	1,116 90
house furnishings	2,558 04		
Brooms, brushes, mops, soap		Total	\$107,601 12
and cleaning appliances ...	2,022 27	Government grant for 1918 ..	\$4,475 41
Fuel	13,231 18		

ROMAN CATHOLIC HOSPITAL, OTTAWA.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st	
October, 1917	124
Admitted	3,082
Births in Hospital	2
	<hr/>
Total number under treat-	3,208
ment	
Discharged	2,884
Died	134
Under treatment, 30th Septem-	
ber, 1918	190
	<hr/>
	3,208

Sex.

Male	1,588
Female	1,620
	<hr/>
	3,208

Revenue.

From the Province of Ontario	\$6,593 67
From the City of Ottawa	22,244 90
From the County of Carleton.	200 00
From other municipalities ..	.....
From patients themselves for	
maintenance and treatment.	63,948 07
Income from property .....	.....
Subscriptions, donations and	
bequests of private individ-	
uals	36,894 00
From all other sources not	
enumerated	7,815 58
Bank overdraft	28,340 00
	<hr/>
Total	\$166,036 22

Expenditures.

Butchers' meat	\$6,268 08
Butter and eggs	4,312 23
Flour, bread and meal	3,834 27
Milk	4,604 89
Tea and coffee	1,966 23
Potatoes and other vegetables	2,939 68
Groceries and provisions not	
enumerated	4,814 33
Drugs and medicines	4,967 31
Medical and surgical appli-	
cances	4,038 48
Surgical instruments	4,248 71
Beer, wine and spirits	954 54
Bedding, napery and general	
house furnishings	5,017 07
Brooms, brushes, mops, soap	
and cleaning appliances ...	2,487 20
Fuel	8,399 83
Electric light, gas, oil, candles	3,981 18
Water supply	564 79
Clothing for patients, includ-	
ing boots and shoes	2,443 29
Ice	500 00
Salaries and wages	22,009 50
Taxes and insurance	4,921 86
Contingencies	2,608 46
Repairs, ordinary and addi-	
tions	53,507 16
Printing, stationery, etc.	1,853 75
Telephones	663 56
Radiographic Dept.	4,266 95
Payment on overdraft	20,000 00
	<hr/>
Total	\$176,173 35
Government grant for 1918 ..	\$7,261 19

MATERNITY HOSPITAL, OTTAWA.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	36	Butchers' meat	\$1,772 49
Admitted	596	Butter and eggs	1,456 45
Number of births	571	Flour, bread and meal	596 13
	<hr/>	Milk	828 28
Total number under treatment	1,203	Tea and coffee	201 55
Discharged	1,151	Potatoes and other vegetables	764 44
Died	21	Groceries and provisions not enumerated	549 12
Under treatment, 30th September, 1918	31	Drugs and medicines	684 60
	<hr/>	Medical and surgical appliances	246 39
	1,203	Surgical dressings	1,989 78
<i>Sex.</i>		Bedding, napery and general house furnishings	336 49
Male	310	Brooms, brushes, mops, soap and cleaning appliances ...	150 15
Female	893	Fuel	1,132 15
	<hr/>	Gas, oil, candles and electric light	575 44
	1,203	Water supply	209 32
<i>Revenue.</i>		Beer, wine and spirits	152 45
From the Province of Ontario	\$542 80	Salaries and wages	5,616 35
From the City of Ottawa	2,300 00	Stationery, printing, etc.	222 36
From the County of Carleton ..	75 00	Contingencies	432 05
From paying patients themselves	20,617 91	Repairs, ordinary	1,807 95
From subscriptions and donations	699 43	Taxes and insurance	5 02
From other sources .....	.....	Laundry	780 69
	<hr/>	Total	\$20,539 65
Total	\$24,235 14	Government grant for 1918 ..	\$484 20

MISERICORDIA MATERNITY HOSPITAL, OTTAWA.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Revenue.</i>	
Number under treatment, 1st October, 1917	135	From the Province of Ontario	\$2,469 73
Admitted	240	From the City of Ottawa	3,593 75
Births in Hospital	253	From the County of Carleton ..	50 00
	<hr/>	From patients themselves for maintenance and treatment ..	3,146 70
Total number under treatment	628	Subscriptions, donations and bequests	3,099 89
Discharged	412	From other sources not enumerated	12,453 77
Died	81	Total	<hr/> \$24,813 84
Under treatment, 30th September, 1918	135		
	<hr/>	<i>Expenditures.</i>	
	628	Butchers' meat	\$1,097 19
<i>Sex.</i>		Butter and eggs	1,323 96
Male	181	Flour, bread and meal	1,932 15
Female	447	Milk	2,888 49
	<hr/>	Tea and coffee	31 00
	628	Potatoes and other vegetables ..	876 90

MISERICORDIA MATERNITY HOSPITAL, OTTAWA.—Continued.

Groceries and provisions not enumerated	2,200 95	Hay and straw	262 23
Drugs and medicines	386 79	Clothing for patients, including boots and shoes	2,376 36
Medical and surgical appliances	154 44	Ice	255 45
Surgical instruments	9 74	Salaries and wages	2,533 20
Beer, wine and spirits	70 62	Taxes and insurance	215 30
Bedding, napery and general house furnishings	1,350 24	Contingencies	179 47
Brooms, brushes, mops, soap and cleaning appliances	374 84	Repairs, ordinary	662 92
Fuel	3,560 19	Printing, stationery, etc.	145 25
Light: gas, oil and candles ..	593 43	Coffins and funerals	33 50
Water supply	486 66	<hr/>	
		Total	\$24,001 27
		Government grant for 1918 ..	\$1,842 01

ST. LUKE'S GENERAL HOSPITAL, OTTAWA.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	90
Admitted	2,665
Births in Hospital	3
<hr/>	
Total number under treatment	2,758
Discharged	2,532
Died	94
Under treatment, 30th September, 1918	132
<hr/>	
	2,758

Sex.

Male	1,921
Female	837
<hr/>	
	2,758

Revenue.

From the Province of Ontario	\$2,387 59
From the City of Ottawa	9,829 55
From the County of Carleton.	200 00
From paying patients themselves	72,574 22
Income from investments ...	260 00
From subscriptions and donations	6,120 62
From other sources	2,730 84
<hr/>	
Total	\$94,102 82

Expenditures.

Butchers' meat	\$8,246 33
Butter and eggs	8,817 03
Flour, bread and meal	2,540 21
Milk	4,343 43
Tea and coffee	973 69
Potatoes and other vegetables	1,876 81
Groceries and provisions not enumerated	5,221 35
Drugs and medicines	3,759 47
Medical and surgical appliances	4,122 33
Surgical instruments	49 80
Beer, wine and spirits	234 58
Bedding, napery and general house furnishings	2,324 53
Brooms, brushes, mops, soap and cleaning appliances ...	1,074 67
Fuel	10,667 48
Gas, oil, candles and electric light	1,904 08
Ice	6 10
Salaries and wages	23,521 19
Taxes, insurance and interest	749 24
Contingencies	2,941 87
Repairs, ordinary	8,155 72
Printing and postage	373 02
Clothing for patients .....	.....
<hr/>	
Total	\$91,902 93
Government grant for 1918 ..	\$2,679 02

THE PERLEY HOME FOR INCURABLES, OTTAWA.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	40	Butchers' meat	1,107 43
Admitted	24	Butter and eggs	616 60
Births in Hospital .....	.....	Flour, bread and meal	600 39
		Milk	501 21
		Tea and coffee	101 65
Total number under treat- ment	64	Potatoes and other vegetables	75 10
		Groceries and provisions not enumerated	1,422 01
Discharged	10	Drugs and medicines	204 75
Died	10	Medical and surgical appli- ances .....	.....
Under treatment, 30th Septem- ber, 1918	44	Surgical instruments .....	.....
	64	Beer, wine and spirits .....	.....
		Bedding, napery and general house furnishings .....	.....
<i>Sex.</i>		Brooms, brushes, mops, soap and cleaning appliances ...	70 03
Male	24	Fuel	1,653 08
Female	40	Light: gas, oil and candles ..	247 40
	64	Water supply .....	.....
		Ice	96 60
		Salaries and wages	4,586 58
		Taxes and insurance	389 83
		Hay and straw .....	.....
		Contingencies	848 19
		Repairs, ordinary	270 52
		Printing, stationery, etc.	91 67
		Clothing for patients .....	.....
		Bank overdraft paid up	2,838 77
		Total	\$15,715 81
		Government grant for 1918 ..	\$2,559 02
<i>Revenue.</i>			
From the Province of Ontario	\$1,036 91		
From the City of Ottawa	2,875 00		
From the County of Carleton. ....	.....	
From other municipalities ..	.....	
From patients themselves for maintenance and treatment.	4,175 50		
Subscriptions, donations and bequests	8,287 33		
From other sources not enumer- ated	1,549 11		
Total	\$17,923 85		

GENERAL AND MARINE HOSPITAL, OWEN SOUND.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Revenue.</i>	
Number under treatment, 1st October, 1917	31	From the Province of Ontario	\$486 43
Admitted	650	From the Town of Owen Sound	1,000 00
Births in Hospital	75	From the County of Grey	1,000 00
		From other municipalities ..	100 00
Total number under treat- ment	756	From patients themselves for maintenance and treatment	17,017 81
		From subscriptions, bequests and donations of private per- sons	1,057 05
Discharged	706	From all other sources not enumerated	300 00
Died	17	Total	\$21,561 29
Under treatment, 30th Septem- ber, 1918	33		
	756		
<i>Sex.</i>		<i>Expenditures.</i>	
Male	409	Butchers' meat and fish	\$1,979 63
Female	347	Butter and eggs	834 27
	756	Flour, bread and meal	871 68
		Milk	953 57

GENERAL AND MARINE HOSPITAL, OWEN SOUND.—*Continued.*

Tea and coffee	282 90	Electric light, gas, oil	658 68
Potatoes and other vegetables	360 21	Ice	83 07
Groceries and provisions not enumerated	3,435 49	Salaries and wages	5,004 84
Drugs and medicines	1,051 47	Insurance and interest	112 51
Medical and surgical appli- cances	814 10	Contingencies	37 50
Beer, wine and spirits .....	.....	Repairs, ordinary	686 09
Bedding, napery and general house furnishings .....	.....	Printing, stationery, etc.	487 05
Brooms, brushes, mops, soap and cleaning appliances ...	311 55	Freight and cartage	1,033 00
Fuel	1,256 09	Total	\$20,253 70
		Government grant for 1918 ..	\$285 76

GENERAL HOSPITAL, PARRY SOUND.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1917	14
Admitted	252
Number of births in Hospital	18
Total number under treat- ment	284
Discharged	260
Died	9
Under treatment, 30th Septem- ber, 1918	15
	284

Sex.

Male	195
Female	89
	284

Revenue.

From the Province of Ontario	\$638 30
From Town of Parry Sound ..	77 50
From paying patients	6,875 65
Subscriptions, donations, etc..	1,250 00
Other sources	564 16
Total	\$9,405 61

Expenditures.

Butchers' meat	\$932 59
Butter and eggs	994 49
Flour, bread and meal	284 80
Milk	41 92
Tea and coffee	115 84
Potatoes and other vegetables	247 22
Groceries and provisions not enumerated	1,357 43
Drugs and medicines	715 80
Medical and surgical appli- cances	371 75
Surgical instruments	108 13
Beer, wine and spirits	42 40
Bedding, napery and general house furnishings	341 48
Brooms, brushes, mops, soap cleaning	120 52
Fuel	615 96
Electric light, gas, oil	134 41
Water supply	123 50
Ice supply	36 00
Printing, stationery, etc.	197 69
Salaries and wages	2,033 18
Contingencies	207 70
Repairs, ordinary	145 00
Taxes and insurance	32 00
Hay and straw	20 55
Clothing for patients	85 25
Total	\$9,305 61
Government grant for 1918 ..	\$156 24

ST. JOSEPH'S GENERAL HOSPITAL, PARRY SOUND.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	13	Discharged	362
Admitted	333	Died	15
Births in Hospital	46	Under treatment, 30th Septem- ber, 1918	15
Total number under treat- ment	392		392

ST. JOSEPH'S GENERAL HOSPITAL, PARRY SOUND.—Continued.

<i>Sex.</i>			
Male	219	Milk	168 65
Female	173	Tea and coffee	326 20
	392	Potatoes and other vegetables	222 16
<i>Revenue.</i>		Groceries and provisions not enumerated	1,028 65
From the Province of Ontario	\$1,110 30	Drugs and medicines	81 77
From the Town of Parry Sound .....	.....	Surgical instruments and appliances	459 22
From other municipalities of the Province .....	.....	Beer, wine and spirits	21 00
From patients themselves for maintenance and treatment	7,220 10	Bedding, napery and general house furnishings	273 87
From subscriptions, donations and bequests from private individuals	31 00	Brooms, brushes, mops, soap and cleaning appliances	60 75
From all other sources	146 75	Fuel	1,000 33
Total	\$8,508 15	Electric light, gas, oil, candles	153 10
<i>Expenditures.</i>		Water supply	92 28
Butchers' meat	\$830 72	Salaries and wages	1,219 25
Butter and eggs	571 02	Ice supply	20 00
Flour, bread and meal	653 35	Contingencies	121 43
		Repairs, ordinary	226 95
		Printing and postage	46 60
		Hay and straw	81 08
		Taxes and insurance .....	.....
		Clothing for patients	35 00
		Total	\$7,693 20
		Government grant for 1918 ..	\$1,402 32

GENERAL HOSPITAL, PEMBROKE.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	41	Butchers' meat	\$1,934 32
Admitted	889	Butter and eggs	1,166 44
Births in Hospital	18	Flour, bread and meal	765 08
	.....	Milk	226 30
Total number under treatment	948	Tea and coffee	429 95
Discharged	842	Potatoes and other vegetables	632 95
Died	51	Groceries and provisions not enumerated	2,688 27
Under treatment, 30th September, 1918	55	Surgical instruments	295 80
	948	Drugs and medicines	591 07
<i>Sex.</i>		Medical and surgical appliances	209 35
Male	431	Beer, wine and spirits	141 19
Female	517	Bedding, napery and general house furnishings	376 68
	948	Brooms, brushes, mops, soap and cleaning appliances	163 42
<i>Revenue.</i>		Fuel	2,957 82
From the Province of Ontario	\$2,545 62	Electric light, gas, oil and candles	481 23
From the County of Renfrew	1,386 25	Water	115 84
From Town of Pembroke	1,500 00	Hay and straw	394 51
From other municipalities .....	.....	Clothing for patients, including boots and shoes	401 08
From patients themselves	14,361 20	Ice	52 20
From subscriptions, bequests and donations of private individuals	808 45	Salaries and wages	4,176 00
From all other sources	250 47	Contingencies	339 83
Total	\$20,851 99	Repairs, ordinary	495 07
		Taxes and insurance	936 11
		Printing, stationery, etc. ..	218 63
		Hardware	637 55
		Total	\$20,826 69
		Government grant for 1918 ..	\$3,337 84

COTTAGE HOSPITAL, PEMBROKE.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	7
Admitted	317
Births in Hospital	30
<hr/>	
Total number under treatment	354
Discharged	332
Died	12
Under treatment, 30th September, 1918	10
<hr/>	
	354
<i>Sex.</i>	
Male	186
Female	168
<hr/>	
	354
<i>Revenue.</i>	
From the Province of Ontario	\$468 81
From the County of Renfrew	637 82
From Town of Pembroke	1,000 00
From patients themselves for maintenance and treatment	7,429 69
From endowments, investments, etc.	80 00
From subscriptions, donations and bequests from private individuals	1,582 89
From other sources	1,550 00
<hr/>	
Total	\$12,749 21

<i>Expenditures.</i>	
Butchers' meat	\$716 28
Butter and eggs	565 65
Flour, bread and meal	283 95
Milk	480 00
Tea and coffee	77 00
Potatoes and other vegetables	166 05
Groceries and provisions not enumerated	1,601 53
Drugs and medicines	722 91
Medical and surgical appliances	293 85
Surgical instruments	299 38
Beer, wine and spirits	2 00
Bedding, napery and general house furnishings	556 04
Brooms, brushes, mops, soap and cleaning appliances	31 65
Fuel	1,150 70
Electric light, gas, oil and candles	191 74
Water supply	28 80
Salaries and wages	4,335 97
Taxes and insurance	436 84
Hay and straw .....	.....
Contingencies	515 42
Repairs, ordinary	438 34
Ice supply	40 80
Printing, postage, etc.	62 09
Clothing for patients	6 00
<hr/>	
Total	\$13,002 89
Government grant for 1918 ..	\$131 97

GENERAL HOSPITAL, PENETANGUISHENE.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	5
Admitted	169
Births in Hospital	41
<hr/>	
Total number under treatment	215
Discharged	161
Died	51
Under treatment, 30th September, 1918	3
<hr/>	
	215
<i>Sex.</i>	
Male	74
Female	141
<hr/>	
	215

<i>Revenue.</i>	
From the Province	\$253 31
From the Town of Penetang	300 00
From the County of Simcoe	500 00
From other municipalities .....	.....
From patients themselves for maintenance and treatment	1,446 80
From subscriptions, donations and bequests from private individuals	2,120 71
From other sources	450 01
<hr/>	
Total	\$5,070 83

<i>Expenditures.</i>	
Butchers' meat	\$506 55
Butter and eggs .....	.....
Flour, bread and meal .....	.....
Milk	164 57
Tea and coffee .....	.....

GENERAL HOSPITAL, PENETANGUISHENE.—Continued.

Potatoes and other vegetables		Light: gas, oil and candles..	50 56
Groceries and provisions not enumerated	1,082 47	Salaries and wages	1,131 44
Drugs and medicines		Taxes and insurance .....	.....
Medical and surgical appliances	338 57	Contingencies	82 59
Beer, wine and spirits		Laundry, etc.	407 20
Bedding, napery and general house furnishings		Ice .....	.....
Brooms, brushes, mops, soap and cleaning appliances ...		Repairs, ordinary	252 70
Fuel	475 00	Printing and postage	553 27
		Total	\$5,044 92
		Government grant for 1918 ..	\$405 42

THE NICHOLLS' HOSPITAL, PETERBOROUGH.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	40	Butchers' meat	\$2,564 92
Admitted	1,096	Butter and eggs	2,145 56
Births in Hospital	134	Flour, bread and meal	965 83
		Milk	1,567 32
Total number under treatment	1,270	Tea and coffee	375 15
Discharged	1,163	Potatoes and other vegetables	706 24
Died	71	Groceries and provisions not enumerated	3,051 24
Under treatment, 30th September, 1918	36	Drugs and medicines	1,402 55
	1,270	Surgical instruments and appliances	2,307 54
<i>Sex.</i>		Beer, wine and spirits	319 55
Male	523	Bedding, napery and general house furnishings	3,237 33
Female	747	Brooms, brushes, mops, soap and cleaning appliances ...	281 56
	1,270	Fuel	5,347 04
<i>Revenue.</i>		Electric light, gas, oil, candles	636 79
From the Province of Ontario	\$1,921 16	Water supply	56 62
From the City of Peterborough	670 00	Clothing for patients .....	.....
From patients themselves for maintenance and treatment.	23,430 89	Ice	145 00
From property belonging to Hospital, endowments, etc..	10,474 65	Salaries and wages	10,456 47
From subscriptions, donations, and bequests from private individuals	500 00	Taxes and insurance	436 77
Total	\$36,996 70	Hay and straw .....	.....
		Contingencies	608 56
		Printing, stationery, etc.	250 78
		Repairs, ordinary	1,337 70
		Total	\$38,200 52
		Government grant for 1918 ..	\$2,044 99

ST. JOSEPH'S HOSPITAL, PETERBOROUGH.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	18	Discharged	627
Admitted	628	Died	24
Births in Hospital	37	Under treatment, 30th September, 1918	32
			683
Total number under treatment	683		

ST. JOSEPH'S HOSPITAL, PETERBOROUGH.—Continued.

<i>Sex.</i>	
Male	299
Female	384
	683

<i>Revenue.</i>	
From the Province of Ontario	\$1,680 90
From the City of Peterborough	431 00
From patients themselves for maintenance and treatment	11,874 89
From subscriptions, donations and bequests from private individuals	
From all other sources	549 78
	\$14,536 55

<i>Expenditures.</i>	
Butchers' meat	\$944 17
Butter and eggs	807 00
Flour, bread and meal	514 00
Milk	605 80
Tea and coffee	122 80
Potatoes and other vegetables	708 72

Groceries and provisions not enumerated	1,027 12
Drugs and medicines	478 23
Medical and surgical appliances	921 04
Beer, wine and spirits	75 15
Bedding, napery and general house furnishings	530 49
Brooms, brushes, mops, soap and cleaning appliances	72 91
Fuel	2,079 27
Electric light, gas, oil and power	507 80
Water supply	122 75
Hay and straw	245 65
Clothing for sisters	
Salaries and wages	2,086 99
Printing, stationery, etc.	106 69
Contingencies	67 60
Taxes and insurance	
Repairs, ordinary	766 24
Ice supply	37 30
Surgical instruments	150 00
	\$12,977 72

Government grant for 1918 .. \$1,235 23

CHARLOTTE ELEANOR ENGLEHART HOSPITAL, PETROLIA.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	9
Admitted	159
Number of births in Hospital	12
	180
Total number under treatment	180
Discharged	155
Died	16
Under treatment, 30th September, 1918	9
	180

<i>Sex.</i>	
Male	67
Female	113
	180

<i>Revenue.</i>	
From the Province of Ontario	\$821 56
From the Town of Petrolia ..	1,000 00
From the County of Lambton	
From paying patients	5,624 07
Subscriptions, donations, etc..	2,025 00
From other sources	1,027 91
	\$10,498 54

<i>Expenditures.</i>	
Butchers' meat and fish	\$386 88
Butter and eggs	627 23
Flour, bread and meal	
Milk	53 80
Tea and coffee	
Potatoes and other vegetables	
Groceries and provisions not enumerated	1,765 88
Drugs and medicines	677 83
Medical and surgical appliances	
Beer, wine and spirits	
Bedding, napery and general house furnishings	322 00
Brooms, brushes, mops, soap and cleaning appliances	
Fuel	548 25
Electric light, gas, oil, candles	256 31
Water supply	70 00
Hay and straw	112 45
Salaries and wages	3,858 52
Contingencies	400 77
Repairs, ordinary	465 69
Laundry	799 38
Printing, stationery and postage	44 75
Maintenance of grounds	
Ice	42 00
Taxes and insurance	66 80
	\$10,498 54

Government aid for 1918 .. \$928 28

RAILWAY, MARINE AND GENERAL HOSPITAL, PORT ARTHUR.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	16	Butchers meat	\$2,052 21
Admitted	774	Butter and eggs	1,749 49
Births in Hospital	56	Flour, bread and meal	832 90
		Milk	959 10
		Tea and coffee	217 30
Total number under treatment	846	Potatoes and other vegetables	344 62
		Groceries and provisions not enumerated	1,703 03
Discharged	786	Drugs and medicines	804 37
Died	35	Surgical and medical appliances	1,050 67
Under treatment, 30th September, 1918	25	Beer, wine and spirits	103 39
	846	Bedding, napery and general house furnishings	384 74
		Fuel	2,676 60
<i>Sex.</i>		Brooms, brushes, mops, soap and cleaning appliances ...	559 22
Male	541	Electric light, gas, oil, candles	167 25
Female	305	Water supply	39 89
	846	Ice	130 80
		Salaries and wages	8,355 76
<i>Revenue.</i>		Taxes and insurance	488 64
From the Province of Ontario	\$2,563 24	Stationery, printing, etc.	293 48
From the City of Port Arthur	5,888 26	Contingencies	261 99
From patients themselves for maintenance and treatment.	16,579 04	Repairs, ordinary	1,715 11
From subscriptions, donations and bequests from private individuals	152 86	Surgical instruments	53 48
From other sources	306 96	Nurses' books	31 87
Bank overdraft	1,919 74	Clothing for patients	87 60
		Electric power	1,043 10
Total	\$27,410 10	Total	\$26,106 61
		Government grant for 1918 ..	\$3,076 85

ST. JOSEPH'S HOSPITAL, PORT ARTHUR.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Revenue.</i>	
Number under treatment, 1st October, 1917	29	From the Province of Ontario	\$2,362 74
Admitted	882	From the City of Port Arthur	4,869 36
Births in Hospital	92	From patients themselves for maintenance and treatment.	21,979 62
		From subscriptions, donations and bequests from private individuals	1,079 00
Total number under treatment	1,003	From other sources	2,530 00
		Total	\$32,820 72
Discharged	919		
Died	33	<i>Expenditures.</i>	
Under treatment, 30th September, 1918	51	Butchers' meat and fish	\$2,546 11
	1,003	Butter and eggs	1,463 02
		Flour, bread and meal	1,472 37
<i>Sex.</i>		Milk	961 60
Male	528	Tea and coffee	267 66
Female	475	Potatoes and other vegetables	2,510 87
	1,003	Groceries and provisions not enumerated	220 00

ST. JOSEPH'S HOSPITAL, PORT ARTHUR.—*Continued.*

Drugs and medicines	971 18	Taxes and insurance, tele- phone and power	544 89
Surgical and medical appli- ances	1,519 60	Stationery, printing, etc.	170 98
Beer, wine and spirits	120 27	Contingencies	315 39
Bedding, napery and general house furnishings	1,899 49	Repairs, ordinary	1,621 50
Fuel	10,608 69	Hay and straw	451 00
Brooms, brushes, mops, soap and cleaning appliances ...	368 74	Clothing for patients .....	.....
Electric light, gas, oil and power	199 15	Surgical instruments .....	.....
Water supply	154 74	Telephone and power .....	.....
Ice	153 45	Coffins and funerals	40 00
Salaries and wages	5,047 30	Total	\$33,628 00
		Government grant for 1918 ..	\$1,735 19

GENERAL HOSPITAL, PORT HOPE.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	14
Admitted	244
Births in Hospital	33
Total number under treat- ment	291
Discharged	255
Died	28
Under treatment, 30th Septem- ber, 1918	8
	291

Sex.

Male	132
Female	159
	291

Revenue.

From the Province of Ontario	\$1,050 63
From City of Port Hope	300 00
From County of Durham	300 00
From other municipalities ..	100 00
From endowments, invest- ments, etc.	560 00
From patients themselves for maintenance and treatment	7,094 26
From subscriptions, donations and bequests from private individuals	307 00
From other sources	40 34
Total	\$9,752 23

Expenditures.

Butchers' meat	\$558 47
Butter and eggs	543 19
Bread	267 45
Milk	130 50
Tea and coffee	26 30
Potatoes and other vegetables	182 44
Groceries and provisions not enumerated	495 69
Drugs and medicines, medical and surgical appliances	661 98
Bedding, napery and general house furnishings	217 55
Brooms, brushes, mops, soap and cleaning appliances ...	121 24
Fuel	1,747 05
Light, gas, oil and candles ..	247 82
Salaries and wages	3,264 22
Insurance and taxes	118 85
Contingencies	92 40
Repairs, ordinary	444 29
Ice	42 60
Water	82 15
Printing, stationery, postage.	141 42
Hay and straw	191 46
Beer, wine and spirits	86 27
Total	\$9,663 34
Government grant for 1918 ..	\$907 47

VICTORIA GENERAL HOSPITAL, RENFREW.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	28	Butchers' meat	\$833 68
Admitted	502	Butter and eggs	620 80
Births in Hospital	68	Flour, bread and meal	719 17
	<hr/>	Milk	896 93
Total number under treat- ment	598	Tea and coffee	85 70
Discharged	534	Potatoes and other vegetables	81 71
Died	33	Groceries and provisions not enumerated	1,253 04
Under treatment, 30th Septem- ber, 1918	31	Medical and surgical appli- ances	506 25
	<hr/>	Surgical instruments	12 76
	598	Drugs and medicines	1,148 33
<i>Sex.</i>		Bedding, napery and general house furnishings	895 56
Male	296	Fuel	718 72
Female	302	Electric light, gas, oil, candles	382 56
	<hr/>	Water supply	24 50
	598	Ice supply	89 15
<i>Revenue.</i>		Salaries and wages	4,517 50
From the Province of Ontario	\$903 12	Laundry	8 40
From the Town of Renfrew ..	600 00	Contingencies	3,160 20
From the County of Renfrew	930 02	Repairs, ordinary	240 53
From other municipalities ..	125 00	Brooms, brushes and cleaning	122 25
From patients for mainten- ance and treatment	9,863 39	Clothing for patients	5 25
From subscriptions, donations and bequests from private individuals	778 20		
Bank overdraft	3,123 26		
	<hr/>	Total	\$16,322 99
Total	\$16,322 99	Government grant for 1918 ..	\$1,076 78

GENERAL AND MARINE HOSPITAL, ST. CATHARINES.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Revenue.</i>	
Number under treatment, 1st October, 1917	39	From the Province of Ontario	\$1,497 62
Admitted	1,173	From the City of St. Cathar- ines	6,500 00
Births in Hospital	232	From the County of Lincoln	1,718 00
	<hr/>	From other municipalities ..	.....
Total number under treat- ment	1,445	From patients themselves for maintenance and treatment.	24,128 50
Discharged	1,298	From endowments, invest- ments, or other property belonging to the Hospital ..	48 35
Died	96	From subscriptions, bequests and donations of private persons	4,164 00
Under treatment, 30th Septem- ber, 1918	51	From all other sources not above enumerated	1,833 42
	<hr/>		
	1,445	Total	\$39,839 89
<i>Sex.</i>			
Male	599		
Female	846		
	<hr/>		
	1,445		

GENERAL AND MARINE HOSPITAL, ST. CATHARINES.—*Continued.*

<i>Expenditures.</i>			
Butchers' meat and fish	\$4,081 51	Bedding, napery and general house furnishings	1,509 55
Flour, bread and meal	2,573 11	Brooms, brushes, mops, soap and cleaning appliances	842 73
Butter and eggs	1,504 80	Fuel	5,951 12
Milk	2,214 32	Electric light, gas, oil, candles	802 18
Tea and coffee	389 80	Water supply	95 40
Potatoes and other vegetables and fruit	725 09	Ice	448 35
Groceries and provisions not enumerated	3,586 06	Salaries and wages	9,486 00
Drugs and medicines	1,518 70	Taxes and insurance	370 38
Medical and surgical appli- ances	1,287 40	Contingencies	347 85
Surgical instruments	203 11	Repairs, ordinary	1,763 43
Beer, wine and spirits	14 75	Printing, stationery, etc.	174 25
		Total	\$39,889 89
		Government grant for 1918 ..	\$1,553 55

AMASA WOOD HOSPITAL, ST. THOMAS.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	37	Butchers' meat	\$1,477 01
Admitted	934	Butter and eggs	737 41
Births in the Hospital	169	Flour, bread and meal	578 11
		Milk	1,286 52
Total number under treat- ment	1,140	Tea and coffee	294 35
Discharged	1,041	Potatoes and other vegetables	743 20
Died	60	Groceries and other provisions not enumerated	4,130 60
Under treatment, 30th Septem- ber, 1918	39	Drugs and medicines	2,665 10
	* 1,140	Medical and surgical appli- ances	58 00
		Surgical instruments	73 63
<i>Sex.</i>		Beer, wine and spirits	23 00
Male	428	Bedding, etc.	1,581 94
Female	712	Brooms, brushes, mops, soap and cleaning appliances ...	1,962 02
	1,140	Fuel	1,491 61
		Electric light, gas, oil, candles	1,027 89
<i>Revenue.</i>		Water supply	76 19
From the Province of Ontario	\$1,999 01	Ice	74 10
From the City of St. Thomas	6,487 50	Ambulance expenses	70 00
From paying patients them- selves	15,570 76	Salaries and wages	5,710 60
Other sources	422 19	Taxes and insurance	43 04
		Contingencies	1,360 61
Total	\$24,479 46	Repairs, ordinary	318 40
		Printing, stationery, etc.	874 09
		Coffins and funerals .....	.....
		Total	\$26,657 41
		Government grant for 1918 ..	\$1,470 10

GENERAL HOSPITAL, SARNIA.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	35	Butchers' meat	\$2,957 31
Admitted	578	Butter and eggs	2,064 20
Births in Hospital	106	Flour, bread and meal	762 85
	<hr/>	Milk	921 85
Total number under treatment	719	Tea and coffee .....	.....
Discharged	613	Potatoes and other vegetables	525 73
Died	56	Groceries and provisions not enumerated	2,406 82
Under treatment, 30th September, 1918	50	Drugs and medicines	357 19
	<hr/>	Surgical instruments and appliances	1,540 78
	719	Beer, wine and spirits	68 50
<i>Sex.</i>		Bedding, napery and general house furnishings	970 06
Male	299	Fuel	1,137 72
Female	420	Electric light, gas, oil and candles	711 77
	<hr/>	Laundry, etc.	2,681 69
	719	Ice	150 56
<i>Revenue.</i>		Salaries and wages	4,492 80
From the Province of Ontario	\$836 92	Insurance	72 00
From the Town of Sarnia	2,000 00	Contingencies	385 91
From the County of Lambton	800 00	Repairs, ordinary	1,619 10
From patients themselves for maintenance and treatment.	19,400 78	Stationery and printing	133 10
From property belonging to the Hospital	1,458 18	Nurses' furnishings	238 50
From subscriptions, donations, and bequests from private individuals .....	.....	Nurses' home	491 63
From all other sources	298 13		<hr/>
	<hr/>	Total	\$24,690 07
Total	\$24,794 01	Government grant for 1918 ..	\$935 97

GENERAL HOSPITAL, SAULT STE. MARIE.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Revenue.</i>	
Number under treatment, 1st October, 1917	30	From the Province of Ontario	\$3,065 80
Admitted	824	From the City of Sault Ste. Marie	1,790 00
Births in Hospital	54	From other municipalities ..	630 75
	<hr/>	From patients themselves for maintenance and treatment.	24,519 41
Total number under treatment	908	Subscriptions, donations and bequests of private individuals	2,318 59
Discharged	832	From other sources not enumerated	9,002 67
Died	42		<hr/>
Under treatment, 30th September, 1918	34	Total	\$41,327 22
	<hr/>		
	908	<i>Expenditures.</i>	
<i>Sex.</i>		Butchers' meat	\$2,928 49
Male	579	Butter and eggs	1,039 20
Female	329	Flour, bread and meal	1,022 14
	<hr/>		
	908		

GENERAL HOSPITAL, SAULT STE. MARIE.—Continued.

Milk	1,114 93	Water supply	179 17
Tea and coffee	1,498 20	Clothing for patients, including boots and shoes	2,067 11
Potatoes, vegetables and fruit	732 50	Ice .....	.....
Groceries and provisions not enumerated	3,272 01	Salaries and wages	3,336 10
Drugs and medicines	2,934 55	Contingencies	1,220 42
Medical and surgical appliances	877 00	Repairs, ordinary	13,051 55
Beer, wine and spirits	274 50	Taxes and insurance	445 37
Bedding, napery and general house furnishings	2,457 66	Printing, stationery, etc.	224 64
Brooms, brushes, mops, soap and cleaning appliances ...	727 12	Hay and straw	6 97
Fuel	2,136 52		
Electric light, gas, oil and candles	383 07	Total	\$41,991 95
		Government grant for 1918 ...	2,250 97

ROYAL VICTORIA HOSPITAL, SAULT STE. MARIE.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	12
Admitted	396
Births in the Hospital	39
<hr/>	
Total number under treatment	447
Discharged	408
Died	23
Under treatment 30th September, 1918	16
<hr/>	
	477

Sex.

Male	268
Female	179
<hr/>	
	447

Revenue.

From the Province of Ontario .....	.....
From the City of Sault Ste. Marie	\$243 00
From paying patients themselves	7,399 91
Other sources	2,970 00
<hr/>	
Total	\$10,612 91

Expenditures.

Butchers' meat	\$795 34
Butter and eggs	730 00
Flour, bread and meal	232 50
Milk	520 66
Tea and coffee	91 25
Potatoes and other vegetables	175 00
Groceries and other provisions not enumerated	506 90
Drugs and medicines	442 72
Medical and surgical appliances	370 53
Surgical instruments	148 27
Beer, wine and spirits .....	.....
Bedding, etc. ....	.....
Brooms, brushes, mops, soap and cleaning appliances ...	48 20
Fuel	843 08
Electric light, gas, oil, candles	188 21
Water supply	76 63
Ice	47 38
Ambulance expenses .....	.....
Salaries and wages	5,443 94
Taxes and insurance	1,811 29
Contingencies	1,104 36
Repairs, ordinary	10 50
Printing, stationery, etc.	145 71
<hr/>	
Total	\$13,132 47

Government grant for 1918 .. \$1,358 67

PUBLIC HOSPITAL, SMITH'S FALLS.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	21
Admitted	424
Births in Hospital	65
<hr/>	
Total number under treatment	510
Discharged	463
Died	24
Under treatment, 30th September, 1918	23
<hr/>	
	510
<i>Sex.</i>	
Male	189
Female	321
<hr/>	
	510
<i>Revenue.</i>	
From the Province of Ontario	\$1,687 63
From the Town of Smith's Falls	1,200 00
From patients themselves for maintenance and treatment.	15,111 61
From subscriptions, donations and bequests from private individuals	3,406 40
From other sources	588 40
From endowments, investments, etc.	976 34
<hr/>	
Total	\$22,970 38

<i>Expenditures.</i>	
Butchers' meat	\$1,500 11
Butter and eggs	1,474 21
Flour, bread and meal	572 47
Milk	148 95
Potatoes and other vegetables	1,151 62
Groceries and provisions not enumerated	1,406 57
Tea and coffee	209 50
Drugs and medicines	794 72
Medical and surgical appliances	1,427 92
Surgical instruments	21 89
Bedding, napery and general house furnishings	952 23
Brooms, brushes, mops, soap and cleaning appliances ...	136 98
Fuel	2,643 78
Light: Gas, oil and power ...	311 20
Laundry	1,872 20
Ice	100 00
Salaries and wages	5,084 59
Taxes and insurance	59 23
Contingencies	404 92
Repairs, ordinary	424 99
Printing, stationery, etc.	230 23
Hay and straw .....	.....
Beer, wine and spirits	26 05
Water supply	18 75
Interest and exchange	193 32
<hr/>	
Total	\$21,166 43
Government grant for 1918 ..	\$1,850 17

ST. FRANCIS' HOSPITAL, SMITH'S FALLS.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	25
Admitted	453
Births in Hospital	45
<hr/>	
Total number under treatment	523
Discharged	475
Died	21
Under treatment, 30th September, 1918	27
<hr/>	
	523
<i>Sex.</i>	
Male	216
Female	307
<hr/>	
	523

<i>Revenue.</i>	
From the Province of Ontario	\$1,484 64
From the Town of Smith's Falls for patients' maintenance	800 00
From the County of Lanark ..	.....
From paying patients themselves	3,910 00
From subscriptions, bequests, and donations of private individuals	1,796 00
From other sources	3,064 00
<hr/>	
Total	\$11,054 64

<i>Expenditures.</i>	
Butchers' meat	\$1,925 16
Butter and eggs	1,058 64
Flour, bread and meal	952 08

ST. FRANCIS HOSPITAL, SMITH'S FALLS.—*Continued.*

Milk	1,023 00	Electric light, motor service..	328 64
Tea and coffee	456 00	Water	31 25
Potatoes and other vegetables	279 26	Ice	70 00
Groceries and provisions not		Salaries and wages	1,280 82
enumerated	643 67	Taxes, insurance and interest	23 97
Drugs and medicines	181 75	Stationery, postage, etc.	169 40
Medical and surgical appli-		Repairs, ordinary	155 00
cances	134 56	Contingencies	145 69
Surgical instruments		Laundry	
Alcohol	16 35	Clothing, including boots	292 00
Bedding, napery and general			
house furnishings	475 22	Total	\$11,055 41
Brooms, brushes, mops, soap		Government aid for 1918	\$1,316 01
and cleaning appliances ...	174 29		
Fuel	1,238 66		

GENERAL HOSPITAL, STRATFORD.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st	
of October, 1917	30
Admitted	621
Number of births during the	
year	76
Total number under treat-	
ment	727
Discharged	658
Died	30
Under treatment, 30th Septem-	
ber, 1918	39
	727

Sex.

Male	281
Female	446
	727

Revenue.

Received from the Province of	
Ontario	\$1,241 73
From the City of Stratford ..	3,250 00
From the County of Perth ..	1,000 00
From other municipalities of	
the Province	195 00
From paying patients	19,159 87
Income from endowments, in-	
vestments, etc.	25 00
Subscriptions, donations, etc..	2,662 50
From other sources	575 83
Total	\$28,109 93

Expenditures.

Butchers' meat	1,722 72
Butter and eggs	1,438 39
Flour, bread and meal	988 48
Milk	1,206 30
Tea and coffee	242 80
Potatoes and other vegetables	505 07
Groceries and provisions not	
enumerated	1,837 63
Drugs and medicines	295 63
Medical and surgical appli-	
cances	2,295 54
Surgical instruments	25 63
Beer, wine and spirits	
Bedding, napery and general	
house furnishings	280 90
Brooms, brushes, mops, etc..	520 05
Fuel	2,672 56
Electric light, gas, oil, candles	1,077 52
Water supply	150 78
Ice	106 55
Salaries and wages	6,567 28
Taxes and insurance	257 56
Contingencies	1,002 67
Repairs, ordinary	1,554 75
Postage, etc.	44 15
Poultry and grain for same ..	373 71
Total	\$25,166 27

Government grant for 1918 .. \$1,633 35

GENERAL HOSPITAL, STRATHROY.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	7
Admitted	170
Number of births in the institution during the year	11
Total number under treatment	188
Discharged	159
Died	17
Under treatment, 30th September, 1918	12
.....	188
<i>Sex.</i>	
Male	78
Female	110
.....	188
<i>Revenue.</i>	
Received from the Province of Ontario	627 21
From the Town of Strathroy	874 50
From the County of Middlesex	500 00
From paying patients	5,481 18
Subscriptions, donations, etc.	250 00
From sources not enumerated	492 90
From Dominion Government	193 50
Total	\$8,519 29

<i>Expenditures.</i>	
Butchers' meat	\$550 51
Butter and eggs	227 50
Flour, bread and meal	290 48
Milk	253 81
Tea and coffee	48 71
Potatoes and other vegetables	907 59
Groceries and provisions not enumerated	498 83
Drugs and medicines	418 51
Medical and surgical appliances	270 30
Beer, wine and spirits	21 03
Bedding, napery and general house furnishings	119 63
Brooms, brushes, mops, etc. ..	329 56
Fuel	902 77
Electric light, gas, oil, candles ..	145 32
Water supply	36 00
Ice	35 07
Salaries and wages	1,886 75
Contingencies	200 52
Repairs, ordinary	362 64
Taxes and insurance	33 75
Printing, stationery, etc.	42 43
Surgical instruments	361 64
Hay and straw	111 59
Power for laundry	47 42
Clothing for patients .....	.....
Total	\$8,102 36
Government grant for 1918 ..	\$943 94

ST. JOSEPH'S HOSPITAL, SUDBURY.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	92
Number admitted	1,594
Births in Hospital	69
Total number under treatment	1,755
Discharged	1,590
Died	86
Remaining under treatment on the 30th September, 1918 ..	79
.....	1,755
<i>Sex.</i>	
Male	1,095
Female	660
.....	1,755

<i>Revenue.</i>	
From the Province of Ontario	\$6,266 40
From paying patients themselves	35,531 56
Subscriptions, donations and bequests	4,103 00
Town of Sudbury	380 00
From all other sources not above enumerated	4,820 00
Total	\$51,100 96

<i>Expenditures.</i>	
Butchers' meat	\$4,025 20
Butter and eggs	3,460 25
Flour, bread and meal	2,420 00
Milk	3,150 55
Tea and coffee	820 00
Potatoes and other vegetables ..	2,180 00

ST. JOSEPH'S HOSPITAL, SUDBURY.—Continued.

Groceries and provisions not enumerated	2,080 00	Clothing for patients	1,109 35
Drugs and medicines	2,050 00	Ice	350 00
Medical and surgical appliances	2,100 00	Salaries and wages	7,515 00
Beer, wine and spirits	190 00	Contingencies .....	.....
Bedding, napery and general house furnishings	872 00	Repairs, ordinary	4,691 40
Brooms, brushes, mops, soap and cleaning appliances ...	1,460 00	Taxes and insurance	125 00
Fuel	5,600 00	Printing and stationery	245 00
Electric light, gas and oil ...	850 00	Surgical instruments	247 00
Hay and straw	165 65	Coffins and funerals	75 00
		Total	\$45,772 40
		Government grant for 1918 ..	\$6,092 04

GENERAL HOSPITAL, TORONTO.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment in all departments of the Hospital, 1st October, 1917	545
Admitted	11,838
Births in the Hospital	855
Total number under treatment	13,238
Discharges, including infants. Died	11,912
Under treatment, 30th September, 1918	662
	664
Total	13,238

Sex.

Male	6,847
Female	6,391
	13,238

Revenue.

From the Province of Ontario	\$25,060 43
From the City of Toronto, in payment of patients' maintenance	142,179 03
From the County of York in payment of patients' maintenance	2,630 00
From other municipalities of the Province	2,682 70
From paying patients themselves	370,011 00
Income for property belonging to Hospital Trust	51,639 09
Subscriptions, donations, and bequests of private individuals	6,420 25
From all other sources not above enumerated	104,760 76
Total	\$705,383 26

Expenditures.

Butchers' meat, poultry and fish	54,834 78
Butter and eggs	29,806 49
Flour, bread and meal	16,615 98
Milk and cream	21,281 49
Tea and coffee	6,181 32
Potatoes and other vegetables	31,406 58
Groceries and provisions not enumerated	14,291 86
Drugs and medicines	31,217 78
Radiographic department .....	.....
Medical and surgical appliances, bandages, etc.,	21,151 10
Surgical instruments, ordinary, etc.	7,616 52
Beer, wine and spirits	1,004 89
Bedding, napery and general house furnishings	29,851 13
Clothing, etc. for patients .....	.....
Laundry, brooms, brushes, mops, soap and cleaning appliances	12,611 41
Fuel, power-house and wages	59,084 92
Light: Gas, oil, electric light	9,312 71
Water supply	4,464 34
Nurses' uniforms and medals	585 00
Nurses' text-books .....	.....
Gardens and grounds	79 05
Salaries and wages	236,030 85
Postage and street car fares.	10,433 66
Contingencies, miscellaneous expenses	1,183 96
Repairs, ordinary	22,345 76
Telephones	1,942 84
Interest on debts and insurance	48,410 45
Printing, postage, stationery, annual report, advertising, .....	.....
Taxes and insurance	3,286 34
Nurses' home	567 80
Rent of land	3,276 35
Depreciation of buildings and equipment	48,000 00
Total	\$726,875 36
Government grant for 1918 ..	\$19,298 71

GRACE HOSPITAL, TORONTO.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, in the Hospital, 1st October, 1917	125
Admitted	2,353
Births in the Hospital	393

Total number under treatment	2,871
Discharges, including infants Died	2,671
Under treatment, 30th September, 1918	100
	2,871

Sex.

Male	955
Female	1,916
	2,871

Revenue.

From the Government of Ontario	\$5,528 00
From the City of Toronto in payment of patients' maintenance	15,219 81
From the County of York ...	717 00
From other municipalities ...	223 75
From paying patients themselves	60,552 80
Income from endowments, etc.	2,586 84
Subscriptions, donations and bequests of private individuals .....	.....

From all sources not above enumerated .....	.....
Debit balance	13,804 04
Total	\$98,632 24

Expenditures.

Butchers' meat	\$7,847 80
Butter and eggs	4,468 21
Flour, bread and meal	2,215 98
Milk	5,369 49
Tea and coffee	848 97
Potatoes and other vegetables	2,426 49
Groceries and provisions not enumerated	5,118 46
Drugs and medicines	3,555 60
Medical and surgical appliances	6,166 68
Surgical instruments	767 26
Beer, wine and spirits	67 49
Bedding, napery and general house furnishings	5,906 93
Brooms, brushes, mops, soap and cleaning appliances ...	1,713 34
Fuel	8,175 05
Light: Electric, oil and candles	1,306 14
Water supply	694 53
Ice	437 15
Salaries and wages	21,484 11
Taxes and insurance	334 92
Contingencies	5,135 42
Repairs, ordinary	2,031 32
Advertising, stationery, etc. ..	1,265 54
Clothing for patients	372 64
Overdraft, 1917	8,222 72
Interest on mortgage	2,700 00
	\$98,632 24

Government grant for 1918 .. \$2,600 56

HOSPITAL FOR SICK CHILDREN, TORONTO.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Under treatment, 1st October, 1917	183
Admitted	4,865
Total number under treatment	5,048

Discharged	4,487
Died	359
Under treatment, 30th September, 1918	202
	5,048

Sex.

Male	2,776
Female	2,272
	5,048

Revenue.

From the Province of Ontario	\$18,639 48
From the City of Toronto ...	55,560 09
From municipalities	9,985 09
From patients themselves for maintenance and treatment	32,767 00

HOSPITAL FOR SICK CHILDREN, TORONTO.—Continued.

From property belonging to Hospital	2,619 18
From subscriptions, donations and bequests from private individuals	54,628 07
From all other sources not enumerated	39,087 07
Total	\$213,285 98

Expenditures.

Butchers' meat, game and fish	\$7,517 33
Butter and eggs	6,780 61
Flour, bread and meal	3,530 59
Milk	11,276 85
Tea and coffee	860 30
Potatoes and other vegetables	2,990 38
Groceries and provisions not enumerated	8,221 18
Drugs and medicines	6,383 04
Medical and surgical appliances	14,144 99

Surgical instruments	753 55
Bedding, napery, and general house furnishings .....	.....
Brooms, brushes, mops, soap and cleaning appliances	3,535 95
Fuel	30,829 87
Light: Electric, gas, oil, candles	3,959 79
Water supply	831 90
Clothing for patients, including boots, shoes and linen ..	3,617 15
Ice	832 72
Salaries and wages	100,266 05
Insurance and taxes	2,369 78
Contingencies	6,757 61
Repairs, ordinary .....	.....
Printing, stationery, etc.	8,840 70
Telephones and electricity ..	1,423 79
Total	\$225,724 13

Government grant for 1918 .. \$12,422 80

THE ORTHOPEDIC HOSPITAL, TORONTO.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	24
Admitted	308
Total number under treatment	332
Discharges	310
Died	4
Under treatment, 30th September, 1918	18
.....	332

Sex.

Male	154
Female	178
.....	332

Revenue.

From the Government of Ontario	\$383 65
Income from endowments, etc., or other property belonging to the Hospital	163 95
From paying patients themselves	16,554 67
Subscriptions, donations, and bequests of private individuals	350 00
From all other sources not above enumerated	7,872 68
Total	\$25,324 95

Expenditures.

Butchers' meat	\$981 44
Butter and eggs	1,104 59
Flour, bread and meal	441 22
Milk	765 32
Tea and coffee	123 00
Potatoes and other vegetables	653 93
Groceries and provisions not enumerated	895 52
Drugs and medicines	102 32
Medical and surgical appliances, surgical instruments ..	889 54
Bedding, napery and general house furnishings	458 60
Brooms, brushes, mops, soap and cleaning appliances ..	484 89
Fuel	2,400 36
Electric light, gas, oil and candles	361 32
Water supply	55 64
Ice	81 60
Salaries and wages	3,879 74
Taxes and insurance	61 57
Repairs, ordinary	499 97
Gymnasium and sundries	1,668 00
Sundries and material	9,578 55
Clothing for patients .....	.....
Contingencies	1,523 70
Interest on debt	1,216 09
Total	\$28,272 66

Government grant for 1918 .. \$108 29

ST. JOHN'S HOSPITAL, TORONTO.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	19
Admitted	332
Number of births .....	....
Total number under treatment	351
Discharged	314
Died	11
Under treatment, 30th September, 1918	26
	351

Sex.

Male	7
Female	344
	351

Revenue.

From the Province of Ontario	\$1,514 90
From the City of Toronto ...	1,841 25
From other municipalities ..	.....
From patients themselves for maintenance and treatment.	19,292 69
From subscriptions, donations and bequests from private individuals	1,924 47
From other sources	81 00
Total	\$24,654 31

Expenditures.

Butchers' meat	\$1,888 61
Butter and eggs	1,588 53
Bread	970 67
Milk	1,336 80
Tea and coffee	268 10
Potatoes and other vegetables	1,163 87
Groceries and provisions not enumerated	1,192 46
Drugs and medicines	705 34
Beer, wine and spirits	18 95
Bedding, napery and general house furnishings	2,615 72
Brooms, brushes, mops, soap and cleaning appliances ...	384 27
Fuel	968 41
Electric light, gas, oil, candles	1,182 72
Salaries and wages	4,910 64
Insurance and taxes	104 85
Contingencies	1,000 62
Repairs, ordinary and additions	2,034 50
Ice supply	199 13
Printing, stationery, etc.	199 85
Water supply	60 27
Medical and surgical appliances	1,019 61
Total	\$23,813 92

Government grant for 1918 .. \$2,102 19

ST. MICHAEL'S HOSPITAL, TORONTO.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	249
Admitted	4,444
Births in Hospital	402
Total number under treatment	5,095
Discharged	4,560
Died	269
Under treatment, 30th September, 1918	266
	5,095

Sex.

Male	2,413
Female	2,682
	5,095

Revenue.

From the Government of Ontario	\$16,247 18
From the City of Toronto in payment of patients' maintenance	58,453 75
From the County of York ...	1,073 25
From other municipalities ...	.....
From paying patients themselves	102,457 68
Subscriptions, donations and bequests of private individuals	1,576 66
From all other sources not above enumerated	5,854 64
Total	\$185,663 16

ST. MICHAEL'S HOSPITAL, TORONTO.—Continued.

Expenditures.

Butchers' meat, poultry and fish	\$21,238 24
Butter and eggs	13,136 57
Flour, bread and meal	5,947 49
Milk	12,172 61
Tea and coffee	3,354 77
Potatoes, other vegetables and fruit	10,468 54
Groceries and provisions not enumerated	11,489 72
Drugs and medicines	12,209 07
Medical and surgical appliances	7,119 86
Surgical instruments	1,954 45
Beer, wine and spirits	375 13
Bedding, napery and general house furnishings	8,481 45

Brooms, brushes, mops, soap and cleaning appliances ...	7,797 89
Fuel	18,382 15
Electric light, gas, oil, candles	4,197 68
Water supply	846 65
X-ray	2,912 71
Salaries and wages	38,819 00
Taxes and insurance	1,508 21
Contingencies	2,657 43
Repairs, ordinary	7,159 27
Telephone service	219 15
Advertising, printing, stationery, etc.	357 65
Clothing for patients, including boots and shoes	143 84
Total	\$193,549 53
Government grant for 1918 ..	\$14,124 28

TORONTO HOSPITAL FOR INCURABLES.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	233
Admitted	65
Births in Hospital .....	.....
Total number under treatment	298
Discharged	14
Died	55
Under treatment, 30th September, 1918	229
.....	298

Sex.

Male	141
Female	157
.....	298

Revenue.

From the Province of Ontario ..	\$9,973 48
From the City of Toronto ..	37,080 20
From the patients for maintenance and treatment ...	21,308 79
From subscriptions, donations and bequests from private individuals	4,658 50
From other sources	3,900 84
From other municipalities ..	.....
Bank overdraft and cheques outstanding	36,099 63
Total	\$113,021 44

Expenditures.

Butchers' meat	\$8,278 70
Butter and eggs	9,067 10
Flour, bread and meal	4,195 61
Milk	6,722 46
Tea and coffee	1,169 62
Potatoes and other vegetables ..	3,395 83
Groceries and provisions not enumerated	5,980 06
Drugs and medicines	844 37
Medical and surgical appliances and instruments	993 87
Telephones .....	.....
Beer, wine and spirits	33 62
Bedding, napery and general house furnishings	3,506 27
Brooms, brushes, mops, soap and cleaning appliances ..	2,686 54
Fuel	19,565 44
Light: Gas, oil and candles ..	1,330 13
Water	617 00
Ice supply	631 68
Salaries and wages	29,278 50
Taxes and insurance	707 70
Contingencies—interest	1,826 34
Repairs, ordinary	1,892 00
Clothing for patients	210 25
Printing, postage, etc.	906 05
Overdraft	9,182 30
Total	\$113,021 44
Government grant for 1918 ..	\$13,441 54

THE WELLESLEY HOSPITAL, TORONTO.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	57
Admitted	1,693
Births in Hospital	212
<hr/>	
Total number under treatment	1,967
Discharged	1,863
Died	32
Under treatment, 30th September, 1918	72
<hr/>	
	1,967
 <i>Sex.</i>	
Male	718
Female	1,249
<hr/>	
	1,967
 <i>Revenue.</i>	
From the Province of Ontario	\$35 10
From the City of Toronto .....	.....
From the County of York .....	.....
From other municipalities of the Province .....	.....
From paying patients	126,102 12
Subscriptions, donations, etc. ....	.....
Other sources .....	.....
<hr/>	
Total	\$126,137 22

<i>Expenditures.</i>	
Butchers' meat and fish	\$10,395 02
Butter and eggs	6,842 49
Flour, bread and meal	1,779 25
Milk	6,012 30
Tea and coffee	1,182 50
Potatoes and other vegetables	5,016 33
Groceries and provisions not enumerated	5,302 06
Drugs and medicines	2,253 00
Medical and surgical appliances	3,221 84
Surgical instruments	544 76
Beer, wine and spirits .....	.....
Bedding, napery and general furnishings	2,972 17
Brooms, brushes, mops, soap and cleaning appliances	1,725 50
Fuel .....	.....
Electric light, gas, oil, candles }	11,066 77
Water supply	893 00
Salaries and wages	26,078 37
Taxes, interest and insurance	719 30
Contingencies	5,082 08
Repairs, ordinary	1,313 60
Ice supply .....	.....
Telephone .....	.....
Printing, stationery, etc.	2,200 98
<hr/>	
Total	\$94,601 32
Government aid for 1918	\$75 00

WESTERN HOSPITAL, TORONTO.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	
Number under treatment, 1st October, 1917	166
Admitted	4,020
Births in Hospital	514
<hr/>	
Total number under treatment	4,700
Discharged	4,236
Died	278
Under treatment, 30th September, 1918	186
<hr/>	
	4,700
 <i>Sex.</i>	
Male	2,018
Female	2,682
<hr/>	
	4,700

<i>Revenue.</i>	
From the Province of Ontario	\$10,789 32
From the City of Toronto ..	35,497 23
From the patients for maintenance and treatment	107,092 69
From subscriptions, donations and bequests from private individuals	885 15
From other sources	13,628 71
From other municipalities ..	1,663 25
<hr/>	
Total	\$169,556 25

<i>Expenditures.</i>	
Butchers' meat	\$11,510 80
Butter and eggs	7,940 12
Flour, bread and meal	2,854 31
Milk	5,239 56
Tea and coffee	1,479 17
Potatoes and other vegetables	3,999 06

WESTERN HOSPITAL, TORONTO.—*Continued.*

Groceries and provisions not enumerated	7,672 48
Drugs and medicines	11,486 67
Medical and surgical appliances and instruments	13,750 30
Telephones	543 60
Beer, wine and spirits	438 15
Bedding, napery and general house furnishings	5,123 61
Brooms, brushes, mops, soap and cleaning appliances	3,003 29
Fuel	12,853 13
Light: Gas, oil and candles ..	3,317 13

Water	622 10
Ice supply	830 50
Salaries and wages	54,730 42
Taxes and insurance	1,631 93
Contingencies—interest	11,419 93
Repairs, ordinary	3,726 63
Clothing for patients	773 50
Printing, postage, etc.	2,439 39
Total	\$167,385 84
Government grant for 1918 ..	\$4,743 37

WOMEN'S COLLEGE HOSPITAL, TORONTO.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	27
Number admitted	425
Births in Hospital	156
Total number under treatment	608
Discharged	544
Died	27
Under treatment, 30th September, 1918	37
	608

Sex.

Male .....	.....
Female	608
	608

Revenue.

From the Province of Ontario	\$1,257 20
From the City of Toronto	1,940 62
From the County of York ....	.....
From other municipalities of the Province .....	.....
From paying patients	11,088 70
From property belonging to the Hospital .....	.....
From subscriptions, bequests and donations from private individuals	343 50
From other sources not enumerated	36 16
Total	\$14,666 18

Expenditures.

Butchers' meat	\$1,018 01
Butter and eggs	910 91
Flour, bread and meal	348 03
Milk	667 25
Tea and coffee	80 27
Potatoes and other vegetables	693 07
Groceries and provisions not enumerated	1,254 41
Drugs and medicines	391 24
Medical and surgical appliances	1,704 83
Bedding, napery and general house furnishings	198 37
Brooms, brushes, mops, soap and cleaning appliances	46 20
Fuel	803 60
Electric light, gas, oil, candles	521 89
Water supply	92 44
Ice supply	57 35
Salaries and wages	4,717 84
Taxes and insurance	244 76
Contingencies	2,184 69
Repairs, ordinary	354 98
Laundry .....	.....
Printing, stationery, etc.	177 57
Surgical instruments	103 15
Bank overdraft, 1917	851 30
Total	\$17,422 16
Government grant for 1918 ..	\$1,779 63

GENERAL HOSPITAL, WALKERTON.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	9
---	---

Number admitted	175
Number of births	8

GENERAL HOSPITAL, WALKERTON.—Continued.

Discharged	160
Died	19
Under treatment, 30th September, 1918	13
	<hr/>
	192
<i>Sex.</i>	
Male	81
Female	111
	<hr/>
	192
<i>Revenue.</i>	
From the Province of Ontario	\$311 87
From the Town of Walkerton	200 00
From the County of Bruce ..	1,500 00
From other municipalities of the Province	10 00
From endowments, investments, etc.	
From paying patients	5,252 34
From subscriptions, bequests and donations of private individuals	716 00
From other sources not enumerated	162 63
	<hr/>
Total	\$8,152 84

<i>Expenditures.</i>	
Butchers' meat	\$511 47
Butter and eggs	419 13
Flour, bread and meal	261 64
Milk	266 46
Tea and coffee	61 15
Potatoes and other vegetables	24 02
Groceries and provisions not enumerated	772 19
Drugs and medicines	257 04
Medical and surgical appliances	195 71
Beer, wine and spirits	
Bedding, napery and general house furnishings	274 56
Brooms, brushes, mops, soap and cleaning appliances	66 67
Fuel	1,346 11
Light: electric, gas, oil and candles	265 22
Water supply	30 00
Ice supply	35 30
Salaries and wages	2,869 65
Insurance	17 25
Contingencies	5 76
Repairs, ordinary	314 59
Printing, postage, etc.	142 57
Clothing	
	<hr/>
Total	\$8,136 49
Government grant for 1918 ..	\$273 45

GENERAL HOSPITAL, WELLAND.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	27
Admitted	1,146
Number of births in Hospital	40
	<hr/>
Total number under treatment	1,213
Discharged	1,126
Died	65
Under treatment, 30th September, 1918	22
	<hr/>
	1,213
<i>Sex.</i>	
Male	808
Female	405
	<hr/>
	1,213

Revenue.

From the Province of Ontario	\$2,671 99
From the Town of Welland ..	
From the County of Welland.	2,000 00
From other municipalities ..	
From paying patients	15,843 74
Subscriptions, donations, etc..	302 15
Other sources	1,345 71
	<hr/>
Total	\$22,163 59

Expenditures.

Butchers' meat	\$1,089 15
Butter and eggs	937 96
Flour, bread and meal	843 06
Milk	1,157 65
Tea and coffee	
Potatoes and other vegetables	384 43
Groceries and provisions not enumerated	1,654 87

GENERAL HOSPITAL, WELLAND.—*Continued.*

Drugs and medicines	822 17	Repairs, ordinary	1,241 91
Medical and surgical appli- ances	2,111 35	Water supply	1 50
Surgical instruments .....	.....	Printing, postage and station- ery	155 74
Beer, wine and spirits	70 50	Telephone and electricity	103 18
Bedding, house furnishings, etc.	254 79	Taxes and insurance	83 12
Brooms, brushes, mops, soap and cleaning appliances ...	104 15	Clothing for patients .....	.....
Fuel	1,531 81	Ambulance expenses .....	.....
Electric light, gas, oil, candles	361 76	Building account	2,793 75
Ice	60 00	Total	\$21,766 22
Salaries and wages	4,909 46	Government grant for 1918 ..	\$2,901 44
Contingencies	1,093 91		

HOTEL DIEU HOSPITAL, WINDSOR.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>	<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	Butchers' meat	\$4,756 23
Admitted	Butter and eggs	2,766 11
Births in Hospital	Flour, bread and meal	1,237 55
	Milk	1,847 24
Total number under treat- ment	Tea and coffee	772 59
	Potatoes and other vegetables	911 96
Discharged	Groceries and provisions not enumerated	2,997 98
Died	Drugs and medicines	1,582 62
Under treatment, 30th Septem- ber, 1918	Medical and surgical appli- ances	2,067 52
	Surgical instruments .....	.....
	Beer, wine and spirits	283 30
	Bedding, napery and general house furnishings	1,891 29
<i>Sex.</i>	Brooms, brushes, mops, soap and cleaning appliances ..	571 86
Male	Fuel	1,618 55
Female	Light: gas, oil and candles...	617 66
	Water supply	94 84
	Hay and straw	316 31
	Clothing for patients, includ- ing boots and shoes	9 92
<i>Revenue.</i>	Ice	495 86
From the Province of Ontario	Salaries and wages	6,542 01
From the Town of Windsor ...	Taxes and insurance	362 42
From the County of Essex ..	Contingencies	435 45
From patients themselves for maintenance and treatment.	Repairs, ordinary	303 26
Subscriptions, donations and bequests	Printing, stationery, etc. ...	251 12
From other sources not enum- erated	Total	\$32,736 65
Total	Government grant for 1918 ..	\$3,515 64

GENERAL HOSPITAL, WINGHAM.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		
Number under treatment, 1st October, 1917	Discharged	187
Admitted	Died	8
Number of births in Hospital	Under treatment, 30th Septem- ber, 1918	8
		203
Total number under treat- ment		

GENERAL HOSPITAL, WINGHAM.—Continued.

<i>Sex.</i>				
Male	84		Tea and coffee	39 18
Female	119		Potatoes and other vegetables	51 10
	<hr/>		Groceries and provisions not enumerated	418 95
	203		Drugs and medicines	255 57
<i>Revenue.</i>			Medical and surgical appli- ances	528 50
From the Province of Ontario	\$212 67		Bedding, napery and general house furnishings	716 48
From the Town of Wingham ..	200 00		Brooms, brushes, mops, soap and cleaning appliances ...	53 55
From the County of Huron ..	500 00		Fuel	497 25
From other municipalities ....	.....		Electric light, gas, oil, candles	106 52
From paying patients	6,683 50		Water supply	18 52
Subscriptions, donations, etc..	452 95		Ice	20 00
Other sources	23 72		Salaries and wages	1,976 84
	<hr/>		Contingencies	2,260 70
Total	\$8,072 84		Repairs, ordinary	65 15
			Taxes and insurance	78 46
<i>Expenditures.</i>			Printing, stationery, etc.	69 84
Butchers' meat	\$396 76		Beer, wine and spirits	11 50
Butter and eggs	363 82			
Flour, bread and meal	230 88		Total	\$8,345 22
Milk	185 65		Government grant for 1918 ..	\$106 05

THE WOODSTOCK HOSPITAL.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	26
Admitted	490
Births	62
	<hr/>
Total number under treat- ment	578
Discharged	505
Died	40
Under treatment, 30th Septem- ber, 1918	33
	<hr/>
	578

Sex.

Male	234
Female	344
	<hr/>
	578

Revenue.

From the Province of Ontario	\$1,122 47
From the Town of Woodstock	1,400 00
From the County of Oxford ..	1,400 00
Income from endowments and investments	1,226 69
From paying patients them- selves	11,937 99
Subscriptions, donations and bequests	50 00
Received from other sources.	.....
Bank overdraft	1,054 14
	<hr/>
Total	\$18,191 29

Expenditures.

Butchers' meat	\$1,891 26
Butter and eggs	1,529 04
Flour, bread and meal	511 09
Milk	738 51
Tea and coffee	428 54
Potatoes and other vegetables	44 95
Groceries and other provisions not enumerated	2,084 28
Drugs and medicines	442 28
Medical and surgical appli- ances	985 53
Beer, wine and spirits .....	.....
Bedding, etc.	258 89
Brooms, brushes, mops, soap and cleaning appliances ...	289 65
Fuel	1,378 60
Electric light, gas, oil and candles	710 91
Ice	128 23
Salaries and wages	5,271 25
Insurance and taxes	208 28
Contingencies	499 63
Repairs, ordinary	437 49
Printing, stationery, etc.	90 28
Water supply	114 52
	<hr/>
Total	\$18,043 21
Government grant for 1918 ..	\$1,124 18

BRANT SANATORIUM, BRANTFORD.

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Expenditures.</i>	
Number under treatment, 1st October, 1917	21	Butchers' meat and fish	\$2,112 87
Admitted	23	Butter and eggs	641 26
		Flour, bread and meal	315 30
		Milk	753 43
Total number under treatment	44	Tea and coffee	118 37
		Potatoes and other vegetables	397 59
Discharged	19	Groceries and provisions not enumerated	936 18
Died	11	Drugs and medicines	295 05
Under treatment, 30th September, 1918	14	Medical and surgical appliances	315 54
	44	Surgical instruments .....	.....
		Beer, wine and spirits .....	.....
<i>Sex.</i>		Bedding, napery and general furnishings	365 50
Male	27	Brooms, brushes, mops, soap and cleaning appliances	105 84
Female	17	Fuel	1,382 25
	44	Electric light, gas, oil, candles	241 60
		Water supply	23 10
<i>Revenue.</i>		Salaries and wages	4,238 65
From the Province of Ontario	\$3,015 43	Taxes, interest and insurance .....	.....
From the City of Brantford ..	3,983 39	Contingencies	609 03
From the County of Brant	198 36	Repairs, ordinary	791 41
From other municipalities of the Province	1,670 83	Ice supply	120 00
From paying patients	1,998 68	Clothing for patients	3 15
Subscriptions, donations, etc..	.....	Printing, stationery, etc.	101 68
Other sources	6,571 07	Interest on loan	156 68
		Bank overdraft	3,222 13
Total	\$17,437 76	Total	\$17,257 61
		Government aid for 1918	\$3,094 85

NATIONAL SANATORIUM FOR CONSUMPTIVES, GRAVENHURST.
(Muskoka Cottages.)

The following summaries show the operations of the Hospital during the official year:

<i>Movements of Patients.</i>		<i>Revenue.</i>	
Number under treatment, 1st October, 1917	61	From the Dominion Government	\$20,554 67
Admitted	146	From paying patients themselves	56,149 10
		From subscriptions, bequests and donations of private individuals	2,524 42
Total number under treatment	207	From other sources	1,087 37
		Total	\$80,315 56
Discharged	143	<i>Expenditures.</i>	
Died	10	Butchers' meat	\$15,448 08
Under treatment, 30th September, 1918	54	Butter and eggs	6,186 69
	207	Flour, bread and meal	2,368 00
		Milk	3,740 31
<i>Sex.</i>		Tea and coffee	819 47
Male	116	Potatoes and other vegetables	2,226 66
Female	91	Groceries and provisions not enumerated	6,331 46
	207		

NATIONAL SANATORIUM FOR CONSUMPTIVES, GRAVENHURST.—*Continued.*

Drugs and medicines	1,233 15
Medical and surgical appliances	102 54
Bedding, napery and general house furnishings	3,587 60
Brooms, brushes, mops, soap and cleaning appliances and laundry	2,968 23
Fuel	9,241 31
Electric light, oil and candles	1,058 96
Maintenance of plant	9,849 53
Telephone	317 76
Ice	162 77
Salaries and wages	18,958 59
Freight and livery	320 68
Advertising, printing, postage, etc.	897 60

Contingencies	457 69
Repairs, ordinary	2,965 08
Insurance premiums	493 89
Bank interest and exchange .....	.....
Travelling expenses	558 90
Improving grounds	240 71
H. O. expense	566 97
X-Ray and medical staff supplies	176 03
General expenses .....	.....
Hay and straw	1,748 48
Outside furnishings	41 82

Total	\$93,068 95
Less refund, patients at annex	22,140 31

	\$70,928 64
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MUSKOKA FREE HOSPITAL FOR CONSUMPTIVES.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	259
Admitted	475
Number of births .....	.....

Total number under treatment	734
------------------------------------	-----

Discharged	423
Died .....	.....
Under treatment, 30th September, 1918	311
	734

Sex.

Male	432
Female	302
	734

Revenue.

From the Province of Ontario	\$35,592 00
From the City of Toronto, in payment of patients' maintenance	65,358 25
From other municipalities	1,520 65
From endowments, investments, etc.	6,374 49
From paying patients themselves	10,014 50
Subscriptions, donations, and bequests of private individuals	30,806 24
From all other sources not above enumerated	1,771 93
From Dominion Government	33,068 99
Total	\$184,507 05

Expenditures.

Butchers' meat	\$33,853 25
Butter and eggs	11,303 66
Flour, bread and meal	5,029 79
Milk	8,136 68
Tea and coffee	1,760 52
Potatoes and other vegetables	4,651 89
Groceries and provisions not enumerated	11,945 69
Drugs and medicines	5,260 73
Medical and surgical appliances, dispensary	90 55
Bedding, napery and general house furnishings	7,705 98
Brooms, brushes, mops, soap and cleansing appliances ..	1,842 19
Fuel	9,936 54
Maintenance of plant	16,106 10
Improving grounds	274 98
Travelling expenses	555 70
Electric light, gas, oil and candles	1,367 76
Ice supply	235 22
Salaries and wages	45,218 15
Insurance and taxes	580 01
Laundry	4,235 78
Contingencies	502 58
Repairs, ordinary	4,636 39
Interest and bank collection .....	.....
Postage and advertising	1,448 50
Freight and livery	1,223 93
Surgical instruments .....	.....
X-Ray expenses .....	.....
Head office expenses	2,881 02
Outdoor furnishings	230 45
Medical staff supplies	78 90
Maintenance of transferred patients	22,140 31
Telephones	270 84
Funeral expenses	2,759 53
H. O. dispensary and auto ..	2,350 09

Total	\$208,613 71
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Government grant for 1918 ..	\$38,219 79
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MOUNTAIN SANATORIUM, HAMILTON.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	164
Admitted	196
<hr/>	
Total number under treatment	360
Discharged	161
Died	40
Under treatment, 30th September, 1918	159
<hr/>	
	360
 <i>Sex.</i>	
Male	181
Female	179
<hr/>	
	360

Revenue.

From the Province of Ontario	\$19,327 72
From the City of Hamilton for patients' maintenance	37,377 75
From paying patients themselves	12,340 83
From endowments, investments, etc.	498 25
From other sources .....	.....
<hr/>	
Total	\$70,044 60

Expenditures.

Butchers' meat	\$11,660 45
Butter and eggs	6,930 03
Flour, bread and meal	2,421 73
Milk	4,834 22
Potatoes and other vegetables and fruit	2,140 03
Groceries and provisions not enumerated	4,819 70
Drugs and medicines	2,779 16
Dispensary work	766 06
Brooms, brushes, mops, soap and cleaning appliances..	} 2,706 76
Bedding, napery and general house furnishings	
Fuel	4,170 72
Light: gas, oil and candles ..	1,052 90
Farm and stable expenses ..	1,180 18
Contingencies	5,424 20
Salaries and wages	21,372 34
Taxes and insurance	367 35
Laundry	2,543 94
Advertising, stationery and postage, etc.	1,160 27
Repairs, ordinary	3,524 59
Ice	55 20
Interest .....	.....
Water supply	647 49
<hr/>	
Total	\$80,557 42
Government grant for 1918 ..	\$27,461 86

ESSEX TUBERCULOSIS HOSPITAL, KINGSVILLE.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	21
Admitted	64
<hr/>	
Total number under treatment	85
Discharged	44
Died	9
Under treatment, 30th September, 1918	32
<hr/>	
	85

Sex.

Male	44
Female	41
<hr/>	
	85

Revenue.

From the Government of Ontario for maintenance	\$3,132 86
From the County of Essex ..	.....
From the City of Windsor ..	3,088 75
From other municipalities ..	2,734 87
From paying patients	5,125 15
From subscriptions, bequests and donations from private individuals	3,717 02
From other sources not enumerated	712 80
<hr/>	
Total	\$18,511 45

Expenditures.

Butchers' meat and fish	\$1,506 17
Butter and eggs	480 13
Flour, bread and meal	612 18
Milk	1,316 27

ESSEX TUBERCULOSIS HOSPITAL, KINGSVILLE.—Continued.

Tea and coffee	61 30	Water supply	213 65
Potatoes and other vegetables	107 20	Ice supply	225 25
Groceries and provisions not		Salaries and wages	5,813 22
enumerated	791 74	Taxes, insurance and interest	63 01
Drugs and medicines	333 70	Contingencies	1,491 16
Medical and surgical appli-		Repairs, ordinary	299 41
cances	212 30	Printing, stationery, etc.	93 31
Bedding, napery and general		Hay and straw	67 32
house furnishings	1,153 18		
Brooms, brushes, mops, soap		Total	\$15,708 11
and cleaning appliances	71 95		
Fuel	669 12	Government grant for 1918 ..	\$4,771 08
Electric light, gas, oil, candles	121 54		

QUEEN ALEXANDRA SANATORIUM, LONDON.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st	
October, 1917	104
Admitted	325
Total number under treat-	
ment	429
Discharged	185
Died	5
Under treatment, 30th Septem-	
ber, 1918	239
Total	429

Sex.

Male	362
Female	67
Total	429

Revenue.

From the Province of Ontario	\$8,658 00
From the City of London	11,054 90
From the County of Middlesex	1,216 00
From other municipalities ..	2,637 00
From patients themselves for	
maintenance and treatment.	4,267 85
From subscriptions, donations	
and bequests from private	
individuals	2,040 00
From other sources	440 00
From Dominion Government.	93,811 05
Total	\$124,124 80

Expenditures.

Butchers' meat	\$19,724 08
Butter and eggs	12,894 44
Flour, bread and meal	3,004 31
Milk	9,220 52
Tea and coffee	1,415 85
Potatoes and other vegetables	5,012 19
Groceries and provisions not	
enumerated	5,700 13
Drugs and medicines	
Medical and surgical appli-	
ances	2,272 91
Surgical instruments	
Beer, wine and spirits	
Bedding, napery and general	
house furnishings	6,116 40
Brooms, brushes, mops, soap	
and cleaning appliances ...	4,940 28
Fuel	7,338 15
Electric light, gas, oil, candles	1,726 67
Salaries and wages	33,509 61
Taxes and insurance	454 56
Contingencies	1,988 47
Office expenses	1,412 87
Ice supply	30 40
Printing, stationery, postage,	
etc.	1,491 94
Repairs, ordinary	2,465 23
Clothing for patients	34 50
Visiting nurses' expenses ...	888 35
Depreciation	11,394 35
Total	\$133,036 21

Government grant for 1918 .. \$9,378 93

ROYAL SANATORIUM, OTTAWA.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st	
October, 1917	47

Admitted

Total number under treat-
ment

125
172

ROYAL SANATORIUM, OTTAWA.—Continued.

Discharged	67
Died	45
Under treatment, 30th Septem- ber, 1918	60
	<hr/>
	172

Sex.

Male	79
Female	93
	<hr/>
	172

Revenue.

From the Province of Ontario	\$9,373 29
From the City of Ottawa ...	27,674 07
From paying patients	2,723 42
From all other sources .....	.....
	<hr/>
Total	\$39,770 78

Expenditures.

Butchers' meat, poultry and fish	\$3,000 09
Butter and eggs	1,503 27
Flour, bread and meal	1,420 36

Milk	2,109 74
Tea and coffee	356 64
Potatoes and other vegetables	569 81
Groceries and provisions not enumerated	1,337 19
Brooms, brushes, soap and cleaning appliances	1,762 74
Drugs, medicines and appli- ances	911 66
Beer, wine and spirits	106 60
Surgical instruments	6 16
Bedding, napery and general house furnishings	593 10
Fuel	4,515 98
Electric light, gas, oil and candles	656 48
Water supply .....	.....
Ice supply	252 78
Salaries and wages	16,157 76
Contingencies	543 32
Repairs, ordinary	2,657 50
Taxes and insurance .....	.....
Stationery, postage, etc.	228 74
Other expenditures, not enum- erated	1,080 86
	<hr/>
Total	\$39,770 78

Government grant for 1918 .. \$10,111 15

CONSUMPTIVE SANATORIUM, ST. CATHARINES.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	12
Admitted	33
	<hr/>
Total number under treat- ment	45

Discharged	28
Died	10
Under treatment, 30th Septem- ber, 1918	7
	<hr/>
	45

Sex.

Male	27
Female	18
	<hr/>
	45

Revenue.

From the Province of Ontario	\$1,597 72
From the City of St. Cathar- ines	1,041 75
From other municipalities ..	2,234 50
From patients themselves ...	679 50

From endowments, invest- ments, etc.	144 30
From subscriptions, bequests and donations of private in- dividuals	505 00
From other sources	55 63
From Dominion Government..	.....
	<hr/>
Total	\$6,258 40

Expenditures.

Butchers' meat	\$712 16
Butter and eggs	275 60
Flour, bread and meal	140 10
Milk	203 05
Tea and coffee	82 07
Potatoes and other vegetables	171 19
Groceries and provisions not enumerated	577 90
Drugs and medicines	127 09
Bedding, napery and general house furnishings	278 91
Brooms, brushes, mops, soap and cleaning appliances ...	69 05
Fuel	429 24
Electric light, oil, candles ...	42 33
Ice	67 50
Salaries and wages	1,780 23
Taxes and insurance .....	.....

CONSUMPTIVE SANATORIUM, ST. CATHARINES.—Continued.

Contingencies	258 34	Printing and postage	30 55
Repairs, ordinary	951 62		
Water supply	10 80	Total	\$6,261 26
Hay and straw	53 53		
Beer, wine and spirits .....	.....	Government grant for 1918 ..	\$1,603 42

THE PREVENTORIUM, TORONTO.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	46
Admitted	77
Total number under treat- ment	123
Discharged	82
Died .....	.....
Under treatment, 30th Septem- ber, 1918	41
	123

Sex.

Male	52
Female	71
	123

Revenue.

From the Province of Ontario	\$6,836 15
From City of Toronto	11,306 40
From patients themselves for maintenance and treatment. ....	.....
From property belonging to Hospital, endowments, etc.. ....	.....
From subscriptions, donations, and bequests from private individuals	182 36
From all other sources not above enumerated	152 02
Total	\$18,476 93

Expenditures.

Butchers' meat	\$770 22
Butter and eggs	403 40
Flour, bread and meal	700 05
Milk	2,250 10
Tea and coffee	74 00
Potatoes and other vegetables	447 79
Groceries and provisions not enumerated	783 11
Drugs and medicines	81 74
Surgical instruments and ap- pliances .....	.....
Beer, wine and spirits .....	.....
Bedding, napery and general house furnishings	1,312 89
Brooms, brushes, mops, soap and cleaning appliances ...	230 20
Fuel	701 81
Electric light, gas, oil, candles	378 81
Water supply	11 92
Clothing for patients	319 76
Ice	95 25
Salaries and wages	5,021 50
Taxes and insurance	183 53
Contingencies	600 98
Printing, stationery, etc.	57 48
Repairs, ordinary	373 91
Total	\$14,798 45
Government grant for 1918 ..	\$7,549 92

TORONTO FREE HOSPITAL FOR CONSUMPTIVES, WESTON.

(Including Queen Mary Hospital for Consumptive Children, and King Edward Annex.)

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1917	317
Admitted	453
Births in Hospital .....	.....
Total number under treat- ment	770

Discharged	264
Died	181
Under treatment, 30th Septem- ber, 1918	325
	770

TORONTO FREE HOSPITAL FOR CONSUMPTIVES, WESTON.—Continued.

<i>Scr.</i>	
Male	450
Female	320
	770

<i>Revenue.</i>	
From the Province of Ontario	\$47,306 15
From the City of Toronto	116,748 75
From other municipalities	10,799 76
From patients themselves for maintenance and treatment.	8,765 15
From endowments, investments, etc.	573 49
From subscriptions, donations and bequests from private individuals	14,865 78
From other sources	10,656 11
From Dominion Government..	3,972 45
Total	\$213,687 64

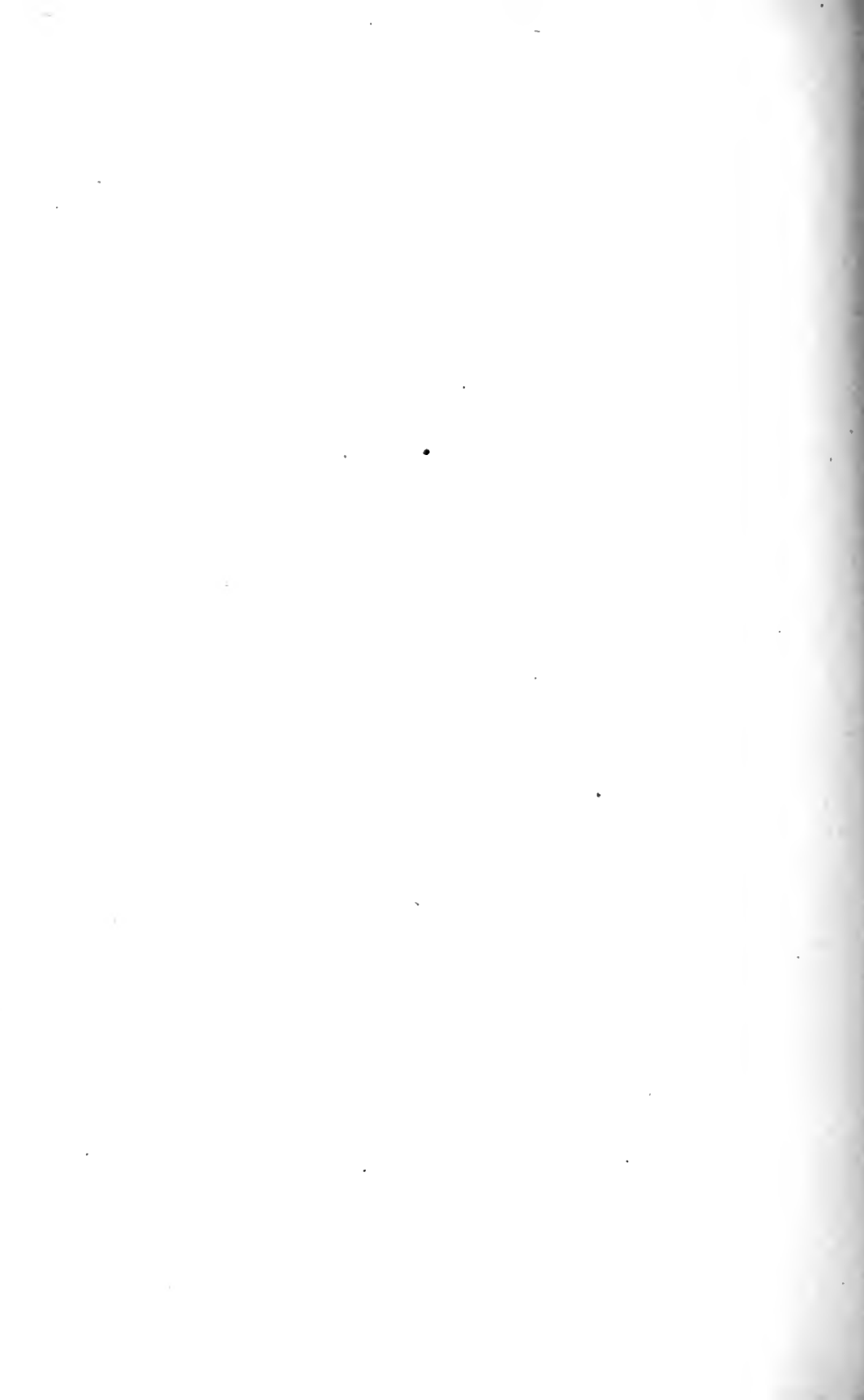
<i>Expenditures.</i>	
Butchers' meat	\$23,240 78
Butter and eggs	12,232 36
Flour, bread and meal	6,432 26
Milk	14,428 30
Tea and coffee	2,329 86
Potatoes and other vegetables	7,877 79
Groceries and provisions not enumerated	11,808 22

Drugs and medicines	4,990 90
Laboratory expenses and medical appliances	441 06
Bank interest and exchange..	3,155 03
Bedding, napery and general house furnishings	10,489 71
Brooms, brushes, mops, soap and cleaning appliances	2,545 77
Fuel	19,931 47
Electric light, gas, oil and candles	868 91
Laundry	9,164 75
Maintenance of plant	25,920 99
Improving grounds	2,405 33
Advertising, stationery and postage	1,938 93
Ice	281 37
Salaries and wages	60,619 49
Taxes and insurance	581 81
Freight and livery	398 47
Contingencies	398 47
Outside furnishing	331 68
Travelling expenses	704 60
Repairs, ordinary	6,090 50
Head office expenses	3,452 08
Medical staff supplies	525 22
Horse expenses	652 10
Telephones	3,583 66
General expenses	3,099 19
Dispensary and X-ray	3,099 19
Total	\$240,522 59
Government grant for 1918	\$57,059 22

SANATORIA FOR CONSUMPTIVES.

The following Institutions having complied with the statutory requirements, are entitled to Government aid at the rate of \$3.00 and \$3.50 per week for each patient admitted free or for whose maintenance \$8.75 per week or less is contributed.

Name of Institution.	Location.	Stay of Patients in weeks at \$3.00 per week.		Amount of Grant at \$3.00 per week.		Stay of Patients in weeks at \$3.50 per week.		Amount of Grant at \$3.50 per week.		Amount payable each Institution for year 1918.	
				\$	c.			\$	c.	\$	c.
Brant Sanatorium	Brantford ...	487		1,461	85	466		1,633	00	3,094	85
Muskoka Free Hospital for Con.	Gravenhurst.	5,496		16,489	29	6,208		21,730	50	38,219	79
Mountain Sanatorium	Hamilton ...	4,050		12,150	86	4,374		15,311	00	27,461	86
Essex Health Association	Kingsville ...	565		1,697	58	878		3,073	50	4,771	08
Queen Alexandra Sanatorium	London.....	1,336		4,008	43	1,534		5,370	50	9,378	93
Royal Sanatorium	Ottawa.....	1,543		4,631	15	1,565		5,480	00	10,111	15
Consumptive Sanatorium	St. Catharines	297		891	42	203		712	00	1,603	42
The Preventorium	Toronto	1,168		3,504	42	1,155		4,045	50	7,549	92
Toronto Free Hospital for Con. } Queen Mary Hosp. for Children }	Weston	8,307		24,922	72	9,181		32,136	50	57,059	22
Total for 1918		23,252		69,757	72	25,569		89,492	50	159,250	22
Total for 1917		44,946		134,839	32					134,839	32



CITY HOUSES OF REFUGE

The usual information obtained from each Refuge, in respect of sex, and previous residence of the inmates, has been summarized as under:

Sex.

Male	1,634
Female	3,467
	5,101

Former Residence.

Received from cities and towns in which the Refuges are located	3,697
Received from counties in which the Refuges are located	452
Received from other counties in the Province	756
Immigrants and foreigners	196
	5,101

TABLE I.

City Refuges.—Table I gives a summary of the operations of each Refuge during the year.

Name of Refuge.	Location	Number of persons in the Refuges on the 1st of October, 1917.	Number admitted to Refuges during the year.	Total number under lodgment during the year ending 30th Sept., 1918.	Total number discharged during the year.	Number of deaths during the year.	Number of persons remaining in the Refuges on 30th Sept., 1918.
Home for the Friendless.....	Belleville.....	9	4	13	2	2	9
The Widows' Home.....	Brantford.....	13	5	18	.....	.....	18
Home for the Friendless.....	Chatham.....	27	12	39	13	.....	26
St. Paul's Home for the Aged.....	Cornwall.....	53	43	96	20	16	60
House of Providence.....	Dundas.....	134	58	192	44	17	131
Elliott Home.....	Guelph.....	18	13	31	1	10	20
House of Providence.....	".....	46	17	63	9	8	46
Aged Women's Home.....	Hamilton.....	51	3	54	.....	3	51
Hamilton House of Refuge.....	".....	112	56	168	29	32	107
St. Peter's Infirmary.....	".....	10	5	15	1	4	10
Home for Friendless Women and Inf.....	Kingston.....	34	20	44	17	10	17
House of Refuge.....	".....	43	28	71	16	8	47
House of Providence.....	".....	162	60	222	44	41	137
Aged People's Home.....	London.....	94	17	111	17	.....	94
House of Providence.....	".....	150	76	226	71	14	141
London Convalescent Home.....	".....	4	16	20	17	.....	3
Monas. of Our Lady of Charity Refuge.....	Ottawa.....	171	123	294	125	1	168
Ottawa Home for Friendless Women.....	".....	37	58	95	66	4	25
Protestant Home for the Aged.....	".....	27	15	42	9	7	26
Protestant Orphans' Home, Ref. Br.....	".....	16	13	29	7	3	19
St. Charles' Hospice.....	".....	216	95	311	48	40	223
St. Patrick's Asylum, Refuge Branch.....	".....	134	48	182	46	15	121
Women's Convalescent Home.....	".....	.....	86	86	82	.....	4
Peterborough Protestant Home.....	Peterboro'.....	22	20	42	9	5	28
St. Joseph's House of Providence.....	".....	74	42	116	23	14	79
Thomas Williams Home.....	St. Thomas.....	20	1	21	2	6	13
District of Algoma House of Refuge.....	S. Ste. Marie.....	40	14	54	8	7	39
Aged Men's Home.....	Toronto.....	44	12	56	3	7	46
Aged Women's Home.....	".....	109	11	120	6	5	109
The Church Home for the Aged.....	".....	21	6	27	3	.....	24
Good Shepherd Female Refuge.....	".....	136	54	190	43	2	145
The Haven and Prison Gate Mission.....	".....	108	193	201	178	2	121
Hillcrest Convalescent Home.....	".....	24	202	226	209	.....	17
Toronto House of Industry.....	".....	111	89	200	78	22	100
House of Providence.....	".....	362	195	557	133	54	370
Humewood House Association.....	".....	23	42	65	44	1	20
Industrial Refuge.....	".....	85	3	88	11	.....	77
Julia Greenshields Home.....	".....	28	8	36	3	4	29
Salvation Army Rescue Home.....	".....	70	306	376	289	8	74
Victor Home for Young Women.....	".....	23	123	146	120	3	23
Home for the Friendless.....	Windsor.....	31	27	58	25	4	29
Totals for 1918.....	.....	2,882	2,213	5,101	1,871	379	2,851
Totals for 1917.....	.....	3,256	2,127	5,383	1,687	495	3,201

TABLE II.

City Refuges—Shows the aggregate stay of inmates, upon which the amount of aid to be granted by the Government to each Refuge is based. The average stay per inmate is also given.

Name of Refuge.	Location	Number of inmates during the year.	Total stay in days during the year.	Average stay per inmate in days.
Home for the Friendless.....	Belleville.....	13	3,461	266
The Widows' Home.....	Brantford.....	18	5,595	307
Home for the Friendless.....	Chatham.....	39	9,854	252
St. Paul's Home for the Aged.....	Cornwall.....	96	21,253	221
House of Providence.....	Dundas.....	192	52,143	271
Elliott Home.....	Guelph.....	31	7,058	227
House of Providence.....	".....	63	16,386	260
Aged Women's Home.....	Hamilton.....	54	18,491	351
Hamilton House of Refuge.....	".....	168	49,743	213
St. Peter's Infirmary.....	".....	15	3,753	250
Home for Friendless Women and Int.....	Kingston.....	44	8,658	196
House of Refuge.....	".....	71	17,858	271
House of Providence.....	".....	222	57,166	257
Aged People's Home.....	London.....	111	34,685	312
House of Providence.....	".....	226	53,426	236
London Convalescent Home.....	".....	29	1,598	75
Monas. of Our Lady of Charity Refuge.....	Ottawa.....	294	62,385	212
Ottawa Home for Friendless Women.....	".....	95	12,529	131
Protestant Home for the Aged.....	".....	42	10,992	259
Protestant Orphans' Home, Ref. Br.....	".....	29	6,773	233
St. Charles' Hospice.....	".....	311	78,971	254
St. Patrick's Asylum, Refuge Branch.....	".....	182	48,807	268
Women's Convalescent Home.....	".....	86	1,967	23
Peterborough Protestant Home.....	Peterborough.....	42	11,609	276
St. Joseph's House of Providence.....	".....	116	27,587	238
Thomas Williams' Home.....	St. Thomas.....	21	5,949	283
District of Algoma House of Refuge.....	Sault Ste. Marie.....	54	14,834	274
Aged Men's Home.....	Toronto.....	56	16,489	294
Aged Women's Home.....	".....	129	39,173	326
The Church Home for the Aged.....	".....	27	8,494	314
Good Shepherd Female Refuge.....	".....	190	50,695	267
The Haven and Prison Gate Mission.....	".....	391	40,548	134
Hillcrest Convalescent Home.....	".....	226	8,196	36
Toronto House of Industry.....	".....	200	39,821	199
House of Providence.....	".....	557	142,971	257
Humewood House Association.....	".....	65	7,249	111
Industrial Refuge.....	".....	88	29,549	335
Julia Greenshields Home.....	".....	36	10,506	291
Salvation Army Rescue Home.....	".....	376	24,484	65
Victor Home for Young Women.....	".....	146	7,722	54
Home for the Friendless.....	Windsor.....	58	11,386	196
Totals for 1918.....		5,101	1,071,572	210
Totals for 1917.....		5,383	1,188,213	221

TABLE III.

Showing the cost of maintaining the Refuge.

Name of Refuge.	Location.	Aggregate stay of inmates.	Cost of dietaries	Expenditure for fuel, salaries and wages, and all general expenses.	Total expenditure exclusive of extraordinary expense.	Average cost per inmate per day.
			\$ c.	\$ c.	\$ c.	cents
Home for the Friendless.....	Belleville...	3,461	477 37	457 63	935 00	0.27
The Widows' Home.....	Brantford...	5,535	1,028 17	1,052 26	2,080 43	0.37
Home for the Friendless.....	Chatham.....	9,838	1,651 33	2,287 79	3,939 02	0.40
St. Paul's Home for the Aged.....	Cornwall...	21,253	4,965 96	3,821 02	8,786 98	0.41
House of Providence.....	Dundas.....	52,146	15,632 87	10,701 48	26,334 35	0.50
Elliott Home.....	Guelph.....	7,058	2,611 29	4,262 32	6,973 61	0.99
House of Providence.....	".....	16,386	4,430 79	5,507 91	9,938 70	0.60
Aged Women's Home.....	Hamilton...	18,491	3,986 44	5,164 34	9,150 78	0.44
Hamilton House of Refuge.....	".....	40,743	11,146 99	14,756 07	25,903 06	0.63
St. Peter's Infirmary.....	".....	3,753	927 68	2,655 64	3,583 32	0.96
Home for Friendless Women and Inf.....	Kingston...	8,658	1,514 82	1,671 21	3,186 03	0.36
House of Refuge.....	".....	17,858	4,966 67	5,049 50	10,016 17	0.55
House of Providence.....	".....	57,166	19,563 13	15,839 53	35,402 66	0.61
Aged People's Home.....	London.....	34,685	10,291 90	10,301 73	20,593 63	0.51
House of Providence.....	".....	53,426	11,064 24	6,262 42	17,326 66	0.32
London Convalescent Home.....	".....	1,508	333 67	450 31	789 98	0.52
Monas. of Our Lady of Charity Refuge	Ottawa.....	62,385	16,486 80	26,121 82	42,608 62	0.68
Ottawa Home for Friendless Women...	".....	12,529	2,769 44	15,875 49	18,744 93	1.49
Protestant Home for the Aged.....	".....	10,902	2,350 52	4,741 37	7,091 89	0.65
Protestant Orphans' Home, Refuge Br.	".....	6,773	".....	".....	".....	".....
St. Charles' Hospice.....	".....	78,971	18,796 08	9,198 30	27,994 38	0.35
St. Patrick's Asylum, Refuge Branch...	".....	48,807	10,812 81	19,744 44	30,557 25	0.60
Women's Convalescent Home.....	".....	1,967	1,186 30	2,955 88	4,142 18	2.10
Peterborough Protestant Home.....	Peterboro'..	11,609	1,940 39	5,045 65	6,986 04	0.60
St. Joseph's House of Providence.....	".....	27,587	5,231 30	3,973 56	9,204 86	0.33
Thomas Williams Home.....	St. Thomas.	5,949	1,343 90	2,129 35	3,473 25	0.58
District of Algoma House of Refuge...	S. Ste. Marie	14,834	3,678 04	8,560 07	12,238 11	0.82
Aged Men's Home.....	Toronto.....	16,480	4,495 53	6,856 34	11,351 87	0.69
Aged Women's Home.....	".....	39,173	10,018 89	12,180 06	22,198 95	0.56
The Church Home for the Aged.....	".....	8,494	3,132 60	2,014 83	5,148 43	0.60
Good Shepherd Female Refuge.....	".....	50,695	13,349 63	7,293 49	20,643 12	0.40
The Haven and Prison Gate Mission...	".....	40,548	7,924 77	13,496 68	21,431 45	0.52
Hillcrest Convalescent Home.....	".....	8,196	5,265 44	5,891 60	11,157 04	1.36
Toronto House of Industry.....	".....	39,821	8,898 02	11,692 43	20,590 45	0.51
House of Providence.....	".....	142,971	42,449 59	25,442 25	67,891 84	0.47
Humewood House Association.....	".....	7,249	1,634 89	3,762 03	5,296 92	0.74
Industrial Refuge.....	".....	29,549	8,117 74	17,707 03	25,824 77	0.87
Julia Greenshields Home.....	".....	10,506	3,597 87	4,703 55	8,301 42	0.79
Salvation Army Rescue Home.....	".....	24,484	2,495 90	7,210 92	9,706 82	0.36
Victor Home for Young Women.....	".....	7,722	1,471 53	3,655 67	5,127 20	0.66
Home for the Friendless.....	Windsor...	11,386	2,947 89	1,644 00	4,591 89	0.40
Totals for 1918.....		1,071,572	275,000 09	312,337 97	587,338 06	0.55
Totals for 1917.....		1,188,213	283,089 87	345,299 36	628,389 23	0.53

TABLE IV.

City Refuges—Shows the basis upon which statutory aid is granted.

Name of Refuge.	Location.	Collective days' stay upon which computation of Refuge rate is based, exclusive of infants under one year old.	Collective days' stay upon which computation of Orphanage rate is based, exclusive of infants under one year old.	Amount received from all sources other than Government.	Computation at seven (7) cents per day.	Computation at two (2) cents per day.	Total Government allowance to each House of Refuge for the year 1918.
		\$	c.	\$	c.	\$	c.
Home for the Friendless.....	Belleville...	3,461		725	91	242	37
The Widows' Home.....	Brantford.....	5,535		1,825	39	387	45
Home for the Friendless.....	Chatham.....	9,858		1,474	39	699	96
St. Paul's Home for the Aged...	Cornwall.....	21,523		7,113	63	1,506	61
House of Providence.....	Dundas.....	52,146		32,631	41	3,650	22
Elliott Home.....	Guelph.....	7,058		6,295	98	491	96
House of Providence.....	".....	16,380		17,786	46	1,147	92
Aged Women's Home.....	Hamilton.....	18,491		17,979	75	1,294	37
Hamilton House of Refuge....	".....	10,743		22,889	14	2,852	91
St. Peter's Infirmary.....	".....	3,753		2,251	49	262	71
Home for Friendless Wom.&Inf.	Kingston...	1,544	4,439	2,262	58	198	88
House of Refuge.....	".....	17,838		9,088	46	1,250	96
House of Providence.....	".....	57,166		30,966	85	4,091	62
Aged People's Home.....	London.....	34,685		18,569	55	2,127	95
House of Providence.....	".....	53,426		13,476	89	3,729	82
London Convalescent Home.....	".....	1,508		768	69	195	39
Mon. of Our Lady of Char. Ref.	Ottawa.....	52,888	9,497	27,155	81	3,792	16
Ottawa Home for Friendless Women.	".....	8,957	2,528	18,135	51	626	99
Protestant Home for the Aged...	".....	10,992		4,394	59	763	14
Protestant Orphans' Home, Ref.	".....	6,775		10,773	23	474	11
St. Charles' Hospice.....	".....	78,971		22,421	12	5,327	97
St. Patrick's Asylum, Ref. Br.	".....	48,897		26,768	27	3,416	49
Women's Convalescent Home....	".....	1,997		6,199	60	137	59
Peterborough Protestant Home.	Peterboro'...	11,609		7,315	68	1,931	99
St. Joseph's H'se of Providence.	".....	27,587		2,994	37	416	43
Thomas Williams Home.....	St. Thomas.	5,939		14,878	03	1,058	38
Dist. of Algoma House of Ref.	S. Ste. Marie	14,834		9,370	77	1,018	92
Aged Men's Home.....	Toronto....	14,536		19,843	69	2,335	11
Aged Women's Home.....	".....	33,363		4,141	72	594	58
The Church Home for the Aged...	".....	8,494		16,192	60	3,548	65
Good Shepherd Female Refuge...	".....	59,695		18,758	42	2,044	21
The Haven & Prison Gate Miss'n	".....	29,295	7,413	10,345	18	152	37
Hillcrest Convalescent Home...	".....	1,891		37,333	41	2,787	47
Toronto House of Industry....	".....	39,821		69,299	73	10,007	97
House of Providence.....	".....	142,971		4,515	34	297	68
Humewood House Association.	".....	3,824	548	22,636	71	2,068	43
Industrial Refuge.....	".....	29,549		7,246	96	735	42
Julia Green Shields Home.....	".....	10,567		7,540	71	1,017	38
Salvation Army Rescue Home...	".....	14,534		4,783	06	346	15
Victor Home for Young Women...	".....	4,945	219	3,761	75	797	02
Home for the Friendless.....	Windsor....	11,386					
Totals for 1918.....		1,019,123	25,608	528,363	57	79,708	61
Totals for 1917.....		1,118,010	25,323	526,917	03	72,584	89

SEPARATE REPORTS

THE HOME FOR THE FRIENDLESS, BELLEVILLE.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	9	From the Province of Ontario	\$209 09
Admitted	4	From the City of Belleville..	300 00
Total number of inmates.	13	From inmates .....	.....
Discharged	2	Subscriptions and donations..	.....
Died	2	From other sources	425 91
In residence, 30th September, 1918	9	Total	\$935 00
	13		
<i>Places Admitted From.</i>		<i>Expenditures.</i>	
City of Belleville	13	Food of all kinds	\$477 37
	13	Clothing and furnishings	30 80
		Fuel, light and cleaning	27 61
<i>Ser.</i>		Salaries and wages	348 30
Male	5	Repairs, ordinary	11 60
Female	8	Other expenses	39 32
	13	Total	\$935 00
		Government aid for 1918	\$242 27

THE WIDOWS' HOME, BRANTFORD.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	13	From the Province of Ontario	\$338 10
Admitted	5	From inmates	794 15
Total number of inmates.	18	Subscriptions and donations..	883 06
Discharged	3	From other sources	147 99
Died	1	Total	\$2,163 30
In residence, 30th September, 1918	14		
	18	<i>Expenditures.</i>	
<i>Places Admitted From.</i>		Food of all kinds	\$1,028 17
City of Brantford	16	Clothing and furnishings ...	34 04
County of Brant	2	Fuel, light, cleaning, etc.	348 56
Other counties in Ontario ...	.....	Salaries and wages	515 45
	18	Repairs, ordinary, etc.	14 08
<i>Ser.</i>		Other expenses	140 13
Female	18	Total	\$2,080 43
	18	Government aid for 1918	\$387 45

THE HOME FOR THE FRIENDLESS, CHATHAM.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>	
In residence, 1st October, 1917	27
Admitted	12
Total number of inmates.	39
Discharged	13
Died .....	....
In residence, 30th September, 1918	26
	39
<i>Places Admitted From.</i>	
City of Chatham	38
County of Kent	1
Other counties in Ontario ..	....
Immigrants, foreigners, etc. ...	....
	39
<i>Sex.</i>	
Male	24
Female	15
	39

<i>Receipts.</i>	
From the Province of Ontario	\$656 95
From the City of Chatham ..	3,170 00
From inmates themselves	1,052 37
Subscriptions and donations of private individuals	66 50
Other sources	185 52
Total	\$5,131 34

<i>Expenditures.</i>	
Food of all kinds	\$1,651 23
Clothing and furnishings	128 20
Fuel, light, cleaning, etc.	282 63
Salaries and wages	1,055 00
Repairs	433 90
Other expenses	382 06
Total	\$3,939 02
Government aid for 1918	\$690 06

ST. PAUL'S HOME FOR THE AGED, CORNWALL.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>	
In residence, 1st October, 1917	53
Admitted	43
Total number of inmates.	96
Discharged	20
Died	16
In residence, 30th September, 1918	60
	96
<i>Places Admitted From.</i>	
Town of Cornwall	15
County of Stormont	75
Other counties	6
Immigrants .....	....
	96
<i>Sex.</i>	
Male	56
Female	40
	96

<i>Receipts.</i>	
From the Province of Ontario	\$1,723 71
From the Town of Cornwall ..	.....
From other municipalities ..	150 00
From inmates themselves	1,337 56
Subscriptions, donations and bequests of private individuals	3,971 46
From other sources	1,654 61
Total	\$8,837 34

<i>Expenditures.</i>	
Food of all kinds	\$4,965 96
Clothing and furnishings	294 87
Fuel, light, cleaning, etc.	1,264 19
Repairs	1,325 29
Medicine and medical comforts	97 63
Other expenses	839 04
Total	\$8,786 98
Government aid for 1918	\$1,506 61

HOUSE OF PROVIDENCE, DUNDAS.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Patients.</i>	
In residence, 1st October, 1917	134
Admitted	58
<hr/>	
Total number of inmates.	192
Discharged	44
Died	17
In residence, 30th September, 1918	131
<hr/>	
	192
 <i>Places Admitted From.</i>	
City of Hamilton	91
County of Wentworth	35
Other counties in Ontario ...	50
Immigrants, foreigners, etc. ...	16
<hr/>	
	192
 <i>Sex.</i>	
Male	76
Female	116
<hr/>	
	192

<i>Receipts.</i>	
From the Province of Ontario	\$3,681 37
From the Town of Dundas ..	.....
From the County of Wentworth .....	.....
From other municipalities ..	572 50
From inmates	8,309 69
Income from property	164 50
Subscriptions and donations of private individuals	7,373 73
Other sources	6,210 99
<hr/>	
Total	\$26,312 78

<i>Expenditures.</i>	
Food of all kinds	\$15,632 87
Clothing, furniture and furnishings	1,417 91
Fuel, light and cleaning	2,956 65
Salaries	1,160 12
Repairs	3,515 38
Other expenditures	944 52
Medicine and medical comforts	521 90
Taxes and insurance	185 00
<hr/>	
Total	\$26,334 35
Government aid for 1918	\$3,650 22

THE ELLIOTT HOME, GUELPH.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>	
In residence, 1st October, 1917	18
Admitted	13
<hr/>	
Total number of inmates.	31
Discharged	1
Died	10
In residence, 30th September, 1918	20
<hr/>	
	31
 <i>Places Admitted From.</i>	
City of Guelph	14
County of Wellington	6
Other counties in Ontario ...	11
Immigrants, foreigners, etc. ...	.....
<hr/>	
	31
 <i>Sex.</i>	
Male	21
Female	10
<hr/>	
	31

<i>Receipts.</i>	
From the Province of Ontario	\$519 17
From the City of Guelph ....	.....
From the County of Wellington	.....
Payments from inmates	5,311 15
Subscriptions and donations.	8 34
From other sources	886 49
Bank overdraft	1,016 50
<hr/>	
Total	\$7,741 65

<i>Expenditures.</i>	
Food of all kinds	\$2,611 29
Clothing, furniture and furnishings	114 39
Fuel, gas, etc.	1,220 46
Salaries and wages	2,143 12
Repairs	178 01
Other expenses	321 49
Medicine and medical comforts	80
Repairs, additions	384 05
Bank overdraft, 1917	768 04
<hr/>	
Total	\$7,741 65
Government aid for 1918	\$494 06

HOUSE OF PROVIDENCE, GUELPH.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	46	From the Province of Ontario	\$1,346 87
Admitted	17	From the City of Guelph	2,553 00
	<hr/>	From inmates	923 00
Total number of inmates.	63	From the County of Wellington	200 00
Discharged	9	Subscriptions, donations and	
Died	8	bequests	1,875 46
In residence, 30th September,		From other sources	3,235 00
1918	46		<hr/>
	<hr/>	Total	\$10,133 33
	63		
<i>Places Admitted From:</i>		<i>Expenditures.</i>	
From the City of Guelph	16	Food of all kinds	\$4,430 79
From the County of Wellington	44	Clothing and furnishings	852 24
Other counties in Ontario ...	3	Fuel, light and cleaning	1,750 25
Foreigners, etc.	<hr/>	Salaries and wages	826 00
	63	Ordinary repairs	590 72
<i>Sex.</i>		Live stock and farm grounds	780 50
Male	38	Other expenses	544 45
Female	25	Medicine and medical comforts	163 75
	<hr/>	Total	\$9,938 70
	63	Government aid for 1918	\$1,147 02

HOME FOR AGED WOMEN, HAMILTON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	51	From the Government of On-	
Admitted	3	tario	\$1,306 62
	<hr/>	From the City of Hamilton ..	1,103 82
Total number of inmates.	54	Income from property	1,993 38
Number discharged	<hr/>	Subscriptions, donations of	
Number of deaths	3	private individuals	2,623 55
In residence, 30th September,		From inmates .....	.....
1918	51	From all other sources	2,250 00
	<hr/>	Total	\$9,277 37
	54		
<i>Places Admitted From.</i>		<i>Expenditures.</i>	
City of Hamilton	54	Food of all kinds	\$3,986 44
	<hr/>	Clothing, furniture, etc.	475 76
	54	Fuel, gas, cleaning, etc.	1,867 80
<i>Sex.</i>		Salaries and wages	2,498 89
Female	54	Ordinary repairs	96 55
	<hr/>	Other expenses	143 68
	54	Outdoor relief .....	.....
		Medicine and medical comforts	81 66
		Total	\$9,150 78
		Government aid for 1918	\$1,294 37

HOUSE OF REFUGE, HAMILTON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	112	From the Government of Ontario	\$3,013 92
Admitted	56	From the City of Hamilton	22,488 64
Total number of inmates.	168	From the municipalities	400 50
Discharged	29	From inmates	400 50
Died	32	Subscriptions, donations of private individuals	.....
In residence, 30th September, 1918	107	From all other sources	.....
	168	Total	\$25,903 06
		<i>Expenditures.</i>	
<i>Places Admitted From.</i>		Food of all kinds	\$11,146 99
City of Hamilton	168	Clothing, furnishings, etc.	468 76
County of Wentworth	.....	Fuel, light, cleaning, etc.	5,415 24
	168	Salaries and wages	6,505 65
		Repairs	1,249 35
<i>Sex.</i>		Taxes and insurance	314 65
Male	99	Other expenses	680 41
Female	69	Medicine and medical comforts	122 01
	168	Total	\$25,903 06
		Government aid for 1918	\$2,852 01

ST. PETER'S HOME, HAMILTON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	10	From the Ontario Government	\$271 60
Admitted	5	From the City of Hamilton	149 96
Total number of inmates.	15	From the County of Wentworth	.....
Discharged	1	From inmates	1,629 00
Died	4	From subscriptions, donations, etc.	202 45
In residence, 30th September, 1918	10	From other sources	907 29
	15	Income from property belonging to House	88 08
		Total	\$3,248 38
<i>Places Admitted From.</i>		<i>Expenditures.</i>	
City of Hamilton	13	Food of all kinds	\$927 68
County of Wentworth and other counties	1	Clothing, furnishings, etc.	68 65
Immigrants, foreigners, etc.	1	Fuel, light and cleaning	423 43
	15	Salaries and wages	994 00
		Ordinary repairs	580 21
<i>Sex.</i>		Livestock and feed	165 40
Male	15	Other expenses	420 25
Female	.....	Medicine and medical comforts	3 70
	15	Total	\$3,583 32
		Government aid for 1918	\$262 71

HOME FOR FRIENDLESS WOMEN AND INFANTS, KINGSTON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	24	From the Province of Ontario	\$239 53
Admitted	20	From the City of Kingston ..	500 00
	<hr/>	From the County of Frontenac	175 00
Total number of inmates.	44	From inmates	1,650 85
Discharged	17	Subscriptions and donations..	610 93
Died	10	Other sources	25 80
In residence, 30th September, 1918	17		<hr/>
	<hr/>	Total	\$3,202 11
	44		
<i>Places Admitted From.</i>		<i>Expenditures.</i>	
City of Kingston	13	Food of all kinds	\$1,514 82
County of Frontenac	7	Clothing and furnishings	119 05
Other counties in Ontario ...	24	Fuel, light and cleaning, etc..	550 75
Immigrants, foreigners, etc. ...	.....	Salaries and wages	540 00
	<hr/>	Repairs	139 63
	44	Additions .....	.....
		Other expenses	321 78
<i>Sex.</i>			<hr/>
Male	26	Total	\$3,186 03
Female	24	Government aid for 1918	\$196 86
	<hr/>		
	44		

HOUSE OF REFUGE, KINGSTON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	43	From the Province of Ontario	\$1,051 33
Admitted	28	From the City of Kingston ..	1,000 00
	<hr/>	County of Frontenac	2,459 19
	71	Lennox and Addington	1,734 94
Discharged	16	Payments from inmates	360 90
Died	8	Income from property	1,422 14
In residence, 30th September, 1918	47	Subscriptions and donations.	1,250 00
	<hr/>	Other sources	861 29
	71		<hr/>
		Total	\$10,139 79
<i>Places Admitted From.</i>		<i>Expenditures.</i>	
City of Kingston	23	Food of all kinds	\$4,966 67
County of Frontenac	25	Clothing, furniture and furnishings	1,169 37
Other counties of Ontario....	23	Fuel, light and cleaning	1,170 37
Immigrants, foreigners, etc. ...	.....	Salaries and wages	1,327 15
	<hr/>	Repairs, ordinary	321 88
	71	Farming	485 06
		Other expenses .....	.....
<i>Sex.</i>		Medicine and medical comforts	22 61
Male	41	Repairs, additions .....	.....
Female	30	Purchase land	553 06
	<hr/>		<hr/>
	71	Total	\$10,016 17
		Government aid for 1918	\$1,250 06

HOUSE OF PROVIDENCE, KINGSTON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1917	162
Admitted	62
	222
Total number of inmates.	222
Discharged	44
Died	41
In residence, 30th September, 1918	137
	222

Places Admitted From.

City of Kingston	69
County of Frontenac	29
Other counties	123
Immigrants, foreigners, etc...	10
	222

Sex.

Male	103
Female	119
	222

Receipts.

From the Province of Ontario	\$4,416 72
From the City of Kingston ..	100 00
From the County of Frontenac	674 49
From other municipalities ..	1,281 94
Income from property	627 00
Payment from inmates	12,778 77
Subscriptions and donations.	6,463 90
Sisters' earnings, etc.	8,557 72
Other sources	483 03
	\$35,383 57
Total	

Expenditures.

Food of all kinds	\$19,563 13
Clothing, furnishings, etc. ...	3,524 59
Salaries and wages	80 75
Fuel, light and cleaning	5,839 75
Repairs, ordinary	1,492 52
Taxes and insurance	936 71
Other expenses	3,261 04
Medicine and medical comforts	704 17
Repairs, additions .....	.....
	\$35,402 66
Total	

Government aid for 1918 \$4,001 62

HOME FOR AGED PEOPLE, LONDON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1917	94
Admitted	17
	111
Total number of inmates.	111
Discharged	7
Died	10
In residence, 30th September, 1918	94
	111

Places Admitted From.

City of London	47
Other counties of Ontario ...	13
County of Middlesex	41
Immigrants, foreigners, etc...	10
	111

Sex.

Male	48
Female	63
	111

Receipts.

From the Province of Ontario	\$2,345 77
From the City of London ...	9,320 70
From the County of Middlesex .....	.....
From other municipalities ..	.....
Payment from inmates	7,684 12
Subscriptions and donations .	98 00
Other sources	1,466 53
	\$20,915 12
Total	

Expenditures.

Food of all kinds	\$10,291 90
Clothing, furniture and furnishings	1,091 55
Fuel, light and cleaning	2,917 28
Salaries and wages	4,208 95
Repairs, ordinary	1,031 85
Drugs and medicines	158 30
Other expenses	893 80
	\$20,593 63
Total	

Government aid for 1918 \$2,427 95

HOUSE OF PROVIDENCE, LONDON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>	
In residence, 1st October, 1917	150
Admitted	76
Total number of inmates.	226
Discharged	71
Died	14
In residence, 30th September, 1918	141
	<hr/>
	226
<i>Places Admitted From.</i>	
City of London	51
County of Middlesex	13
Other counties in Ontario ...	162
Immigrants, foreigners, etc. ....	.....
	<hr/>
	226
<i>Sex.</i>	
Male	92
Female	134
	<hr/>
	226

<i>Receipts.</i>	
From the Province of Ontario	\$3,864 77
From the City of London	250 00
From other municipalities ..	.....
Payment from inmates	9,187 41
Subscriptions and donations ..	4,039 48
Other sources .....	.....
	<hr/>
Total	\$17,341 66

<i>Expenditures.</i>	
Food of all kinds	\$11,064 24
Clothing, furniture and furnishings	669 92
Fuel, light and cleaning	3,010 36
Salaries and wages	922 50
Repairs, ordinary	587 83
Taxes, insurance, etc.	772 62
Other expenses	218 26
Medicine and medical comforts	80 93
	<hr/>
Total	\$17,326 66
Government aid for 1918	\$3,739 82

CONVALESCENT HOME, LONDON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>	
In residence, 1st October, 1917	4
Admitted	16
Total number of inmates.	20
Discharged	17
Died .....	.....
In residence, 30th September, 1918	3
	<hr/>
	20
<i>Places Admitted From.</i>	
City of London	20
County of Middlesex and other counties .....	.....
	<hr/>
	20
<i>Sex.</i>	
Male	7
Female	13
	<hr/>
	20

<i>Receipts.</i>	
From the Province of Ontario	\$87 29
From the City of London ....	.....
Payment from inmates	52 50
Subscriptions and donations..	676 25
Other sources	39 85
	<hr/>
Total	\$855 89

<i>Expenditures.</i>	
Food of all kinds	\$333 67
Clothing, furniture and furnishings .....	.....
Fuel, light and cleaning	161 61
Salaries and wages	204 00
Repairs, ordinary	47 50
Other expenses	37 20
	<hr/>
Total	\$783 98
Government aid for 1918	\$105 56

THE REFUGE OF OUR LADY OF CHARITY, OTTAWA.

The following summaries show the operations of this Refuge during the year:

Movements of Inmates.

In residence, 1st October, 1917	171
Admitted	123
	<hr/>
Total number of inmates.	294
Discharged	125
Died	1
In residence, 30th September, 1918	168
	<hr/>
	294

Places Admitted From.

City of Ottawa	228
County of Carleton	15
Other counties in Ontario ..	28
Immigrants, foreigners, etc...	23
	<hr/>
	294

Sex.

Female	294
	<hr/>
	294

Receipts.

From the Government of Ontario	\$3,669 07
From the City of Ottawa	908 86
County of Carleton	50 00
From payments made by inmates	2,950 00
Subscriptions, donations, etc..	870 25
Other sources	22,340 70
Income from Home property..	36 00
	<hr/>
Total	\$30,824 88

Expenditures.

Food of all kinds	\$16,486 80
Clothing and furnishings	5,915 30
Fuel, light, cleaning, etc.	8,974 38
Salaries and wages	1,000 75
Repairs	2,104 40
Live stock and farm grounds	3,396 44
Taxes and insurance	1,728 60
Medicine and medical comforts	792 05
Repairs, additions	1,528 00
Other expenses	681 90
	<hr/>
Total	\$42,608 62

Government aid for 1918	\$3,892 10
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THE HOME FOR FRIENDLESS WOMEN, OTTAWA.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1917	37
Admitted	58
	<hr/>
Total number of inmates.	95
Discharged	66
Died	4
In residence, 30th September, 1918	25
	<hr/>
	95

Places Admitted From.

City of Ottawa	72
County of Carleton	2
Other counties in Ontario	12
Immigrants, etc	9
	<hr/>
	95

Sex.

Male	17
Female	78
	<hr/>
	95

Receipts.

From the Province of Ontario	\$687 55
From the City of Ottawa	718 75
From the County of Carleton..	50 00
Payment from inmates .....	.....
Subscriptions and donations..	419 00
From all other sources	16,947 76
	<hr/>
Total	\$18,823 06

Expenditures.

Food of all kinds	\$2,769 44
Clothing, furniture and furnishings	712 84
Fuel, light and cleaning	1,966 84
Salaries and wages	7,141 35
Repairs, ordinary	313 13
Taxes and insurance	451 55
Medicine and medical comforts	155 18
Repairs, additions	48 52
Other expenses	5,186 08
	<hr/>
Total	\$18,744 93

Government aid for 1918	\$677 55
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HOME FOR THE AGED, OTTAWA.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, October 1st, 1917	27	From the Government of Ontario	\$720 93
Admitted	15	From the City of Ottawa	1,437 50
<u>Total number of inmates.</u>	<u>42</u>	From the County of Carleton	300 00
Discharged	9	From other municipalities	.....
Died	7	From payments made by inmates	759 41
In residence, 30th September, 1918	26	Subscriptions, donations, etc.	735 00
<u>42</u>	<u>42</u>	Income from property	.....
		Other sources	1,162 59
		<u>Total</u>	<u>\$ 5,115 43</u>
<i>Places Admitted From.</i>		<i>Expenditures.</i>	
City of Ottawa	38	Food of all kinds	\$2,350 52
County of Carleton	4	Clothing and furnishings	.....
Other counties	.....	Fuel, light, cleaning, etc.	1,296 87
Immigrants, foreigners	.....	Salaries and wages, etc.	1,690 00
<u>42</u>	<u>42</u>	Repairs	1,376 13
		Taxes and insurance	.....
		Other expenses	341 37
		Medicine and medical comforts	37 00
		<u>Total</u>	<u>\$7,091 89</u>
		Government aid for 1918	\$763 14
<i>Sex.</i>			
Male	26		
Female	16		
<u>42</u>	<u>42</u>		

REFUGE BRANCH, ORPHANS' HOME, OTTAWA.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	16	From the Province of Ontario	\$818 69
Admitted	13	From the City of Ottawa	1,781 25
<u>Total number of inmates.</u>	<u>29</u>	From the County of Carleton	300 00
Discharged	7	Payment from inmates	1,642 16
Died	3	Income from property	1,157 50
In residence, 30th September, 1918	19	Subscriptions and donations, etc.	5,892 42
<u>29</u>	<u>29</u>	<u>Total</u>	<u>\$11,592 02</u>
<i>Places Admitted From.</i>		<i>Expenditures.</i>	
City of Ottawa	26	Food of all kinds	\$4,131 51
County of Carleton	2	Clothing, furniture and furnishings	1,394 19
Other counties in Ontario	1	Fuel, light and cleaning	1,231 76
Immigrants, etc.	.....	Salaries and wages	2,673 80
<u>29</u>	<u>29</u>	Taxes and insurance	286 03
		Repairs, ordinary	313 40
		Medicine, medical comforts	115 06
		Repairs, additions	400 65
		Other expenses	481 79
		<u>Total</u>	<u>\$11,008 19</u>
		Government aid for 1918	\$474 11
<i>Sex.</i>			
Female	29		
<u>29</u>	<u>29</u>		

ST. CHARLES' HOSPICE, OTTAWA.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>	
In residence, 1st October, 1917	216
Admitted	95
Total number of inmates.	311
Discharged	48
Died	40
In residence, 30th September, 1918	223
	311
<i>Places Admitted From.</i>	
City of Ottawa	241
County of Carleton	18
Other counties	50
Immigrants, foreigners, etc....	2
	311
<i>Sex.</i>	
Male	123
Female	188
	311

<i>Receipts.</i>	
From the Government of Ontario	\$5,563 74
From the City of Ottawa	3,500 00
From the County of Carleton.	50 00
From other municipalities ..	2,895 32
Income from property belonging to the House	500 00
From payments made by inmates	8,463 45
Subscriptions, donations, etc..	6,480 25
Other sources	532 10
Total	\$27,984 86

<i>Expenditures.</i>	
Food of all kinds	\$18,796 08
Clothing and furnishings	1,757 55
Fuel, light, cleaning, etc.	4,504 32
Salaries and wages	660 50
Repairs	625 75
Taxes and insurance	415 00
Other expenses	912 86
Medicine and medical comforts	322 32
Total	\$27,994 38
Government aid for 1918	\$5,527 97

ST. PATRICK'S REFUGE, OTTAWA.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>	
In residence, 1st October, 1917	134
Admitted	48
Total number of inmates.	182
Discharged	46
Died	15
In residence, 30th September, 1918	121
	182
<i>Places Admitted From.</i>	
City of Ottawa	140
County of Carleton	18
Other counties in Ontario ...	24
Immigrants, etc. ....	.....
	182
<i>Sex.</i>	
Male	70
Female	112
	182

<i>Receipts.</i>	
From the Government of Ontario	\$3,978 94
From the City of Ottawa	2,196 86
From the County of Carleton.	50 00
From other municipalities ..	.....
From payments made by inmates	8,669 00
Subscriptions, donations, etc..	4,046 27
Other sources	11,806 14
Total	\$30,747 21

<i>Expenditures.</i>	
Food of all kinds	\$10,812 81
Clothing and furnishings	1,210 05
Fuel, light, cleaning, etc.	4,636 59
Salaries and wages	2,381 84
Repairs, ordinary	1,689 58
Additions	5,473 43
Live stock and farm grounds.	1,206 82
Taxes and insurance	731 14
Medicine and medical comforts	184 65
Other expenses	2,230 34
Total	\$30,557 25
Government aid for 1918	\$3,416 49

CONVALESCENT HOME FOR WOMEN, OTTAWA.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>	
In residence, 1st October, 1917	86
Admitted	86
<hr/>	
Total number of inmates.	86
Discharged	82
Died .....	.....
In residence, 30th September, 1918	4
<hr/>	
	86
<i>Places Admitted From.</i>	
City of Ottawa	86
County of Carleton and other counties .....	.....
Immigrants, foreigners, etc. ....	.....
<hr/>	
	86
<i>Sex.</i>	
Male .....	.....
Female	86
<hr/>	
	86

<i>Receipts.</i>	
From the Province of Ontario .....	.....
From the City of Ottawa	\$125 00
From other municipalities ..	.....
Payments from inmates .....	.....
Income from property belonging to the Home .....	.....
Subscriptions, donations, etc. ....	.....
Other sources .....	.....
<hr/>	
Total	\$125 00

<i>Expenditures.</i>	
Food of all kinds	\$1,186 30
Clothing and furnishings	404 27
Fuel, light and cleaning	400 44
Salaries and wages	928 83
Repairs, ordinary	104 48
Medicine and medical comforts	90 50
Other expenses	1,003 61
Repairs and additions	23 75
<hr/>	
Total	\$4,142 18
Government aid for 1918	\$137 69

THE PETERBOROUGH PROTESTANT HOME.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>	
In residence, 1st October, 1917	22
Admitted	20
<hr/>	
Total number of inmates.	42
Discharged	9
Died	5
In residence, 30th September, 1918	28
<hr/>	
	42
<i>Places Admitted From.</i>	
City of Peterborough	42
County of Peterborough .....	.....
<hr/>	
	42
<i>Sex.</i>	
Male	24
Female	18
<hr/>	
	42

<i>Receipts.</i>	
From the Province of Ontario	\$779 87
From the City of Peterborough	2,027 43
From inmates themselves	2,152 93
Income from property belonging to the Home	119 18
Subscriptions, donations from private individuals	36 00
From all sources not above mentioned	1,854 46
<hr/>	
Total	\$6,969 87

<i>Expenditures.</i>	
Food of all kinds	\$1,940 39
Clothing and furnishings	157 01
Fuel, light and cleaning	1,045 32
Repairs, ordinary	186 19
Salaries and wages	1,946 27
Other expenses	1,103 52
Medicine and medical comforts	32 37
Repairs, additions	574 97
<hr/>	
Total	\$6,986 04
Government grant for 1918 ..	\$812 63

THE HOUSE OF PROVIDENCE, PETERBOROUGH.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	74	From the Province of Ontario	\$1,810 76
Admitted	42	From the City and county of Peterborough	522 11
	<hr/>	From municipalities for board of inmates .....	.....
Total number of inmates.	116	From inmates	4,056 10
Discharged	23	Subscriptions and donations..	1,643 50
Died	14	Other sources	1,093 37
In residence, 30th September, 1918	79		<hr/>
	<hr/>	Total	\$9,125 84
	116		
<i>Places Admitted From.</i>		<i>Expenditures.</i>	
City of Peterborough	65	Food of all kinds	\$5,231 30
County of Peterborough	50	Clothing and furnishings	1 029 81
From other counties	1	Fuel, light and cleaning	1,700 30
Immigrants, foreigners, etc. ..	1	Repairs, ordinary	282 93
	<hr/>	Other expenses	508 38
	116	Medicine and medical comforts	116 89
<i>Sex.</i>		Salaries and wages	335 25
Male	45		<hr/>
Female	71	Total	\$9,204 86
	<hr/>	Government aid for 1918	\$1,931 09
	116		

THE THOMAS WILLIAMS HOME. ST. THOMAS.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	20	From the Province of Ontario	\$495 04
Admitted	1	From the City of St. Thomas. ....	.....
	<hr/>	From payments by inmates ..	.....
Total number of inmates.	21	Subscriptions, etc.	11 00
Discharged	2	Income from property	2,861 71
Died	6	From other sources	121 66
In residence, 30th September, 1918	13		<hr/>
	<hr/>	Total	\$3,489 41
	21		
<i>Places Admitted From.</i>		<i>Expenditures.</i>	
City of St. Thomas	21	Food of all kinds	\$1,343 90
	<hr/>	Clothing and furnishings	44 25
	21	Fuel, light, cleaning, etc. ...	621 92
<i>Sex.</i>		Salaries and wages	1,048 00
Male	11	Repairs, ordinary	1 65
Female	10	Other expenses	304 28
	<hr/>	Medicine and medical comforts	109 25
	21	Repairs, additions .....	.....
			<hr/>
		Total	\$3,473 25
		Government aid for 1918	\$416 43

HOUSE OF REFUGE, DISTRICT OF ALGOMA.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movement of Inmates.</i>	
In residence, 1st October, 1917	40
Admitted	14
<u>Total number of inmates.</u>	<u>54</u>
Discharged	8
Died	7
In residence, 30th September, 1918	39
	<u>54</u>
<i>Places Admitted From.</i>	
Town of Sault Ste. Marie ...	23
District of Algoma	31
Other counties .....	.....
Immigrants .....	.....
	<u>54</u>
<i>Sex.</i>	
Male	41
Female	13
	<u>54</u>

<i>Receipts.</i>	
From the Province of Ontario	\$1,095 43
From City of Sault Ste. Marie	8,365 76
From inmates themselves .....	.....
Subscriptions, donations and bequests of private individuals .....	.....
From other sources	653 00
From other municipalities	5,859 27
	<u>\$15,973 46</u>
<i>Expenditures.</i>	
Food of all kinds	\$3,678 04
Light, fuel, cleaning, etc.	2,000 58
Repairs, ordinary	221 05
Medicine and medical comforts	481 00
Salaries and wages	2,497 45
Clothing and furnishings	723 73
Farming	1,411 25
Repairs, additions	40 00
Other expenses	1,185 01
	<u>\$12,238 11</u>
Government aid for 1918	\$1,038 38

AGED MEN'S HOME, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>	
In residence, 1st October, 1917	44
Admitted	12
<u>Total number of inmates.</u>	<u>56</u>
Discharged	3
Died	7
In residence, 30th September, 1918	46
	<u>56</u>
<i>Places Admitted From.</i>	
City of Toronto	53
County of York and other counties .....	.....
Immigrants, etc.	3
	<u>56</u>
<i>Sex.</i>	
Male	56
	<u>56</u>

<i>Receipts.</i>	
From the Government of Ontario	\$1,172 78
From the City of Toronto ...	150 00
From payments made by inmates	7,522 63
Subscriptions, donations, etc..	1,622 83
Received from all other sources	75 26
	<u>\$10,543 55</u>
<i>Expenditures.</i>	
Food of all kinds	\$4,495 53
Clothing and furnishings	492 81
Fuel, light, cleaning, etc.	1,882 89
Salaries and wages	3,458 79
Repairs	482 70
Other expenses	476 07
Medicine and medical comforts	63 08
	<u>\$11,351 87</u>
Government aid for 1918	\$1,018 92

AGED WOMEN'S HOME, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	109	From the Province of Ontario	\$1,559 88
Admitted	11	From the City of Toronto ...	250 00
	<hr/>	From inmates	17,539 50
Total number of inmates.	120	Subscriptions and donations ..	1,906 88
		From other sources	147 31
Discharged	6	Total	<hr/> \$21,403 57
Deaths	5		
In residence, 30th September, 1918	109		
	<hr/>		
	120	<i>Expenditures.</i>	
<i>Places Admitted From.</i>		Food of all kinds	\$10,018 89
City of Toronto	114	Clothing, furnishings, etc. ...	538 87
Other cities and counties ...	6	Fuel, light, cleaning, etc.	3,754 09
Immigrants, foreigners, etc... ..	.....	Salaries and wages	5,984 83
	<hr/>	Repairs	1,052 73
	120	Other expenses	822 59
<i>Sex.</i>		Medicine and medical comforts	26 95
Female	120	Total	<hr/> \$22,198 95
	<hr/>	Government aid for 1918	\$2,335 41
	120		

CHURCH HOME FOR THE AGED, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	21	From the Government of Ontario	\$576 80
Admitted	6	From the City of Toronto ..	200 00
	<hr/>	From other municipalities ..	.....
Total number of inmates.	27	From payments made by inmates	3,284 22
Discharged	3	Income from property belonging to the Home .....	.....
Died .....	.....	Subscriptions, donations, etc..	657 50
In residence, 30th September, 1918	24	Total	<hr/> \$4,718 52
	<hr/>		
	27	<i>Expenditures.</i>	
<i>Places Admitted From.</i>		Food of all kinds	\$3,133 60
City of Toronto	22	Clothing and furnishings ...	30 13
Other counties of Ontario ..	4	Fuel, light and cleaning, etc .	655 09
Immigrants, etc.	1	Salaries and wages	1,108 70
	<hr/>	Repairs	79 50
	27	Other expenses	102 74
<i>Sex.</i>		Medicine and medical comforts	38 67
Male	2	Total	<hr/> \$5,148 43
Female	25	Government aid for 1918	\$594 58
	<hr/>		
	27		

GOOD SHEPHERD FEMALE REFUGE, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	136	From the Province of Ontario	\$3,340 12
Admitted	54	From the City of Toronto....	600 00
	<hr/>	From inmates .....	.....
Total number of inmates.	190	Subscriptions and donations..	502 00
Discharged	43	From other sources and laun-	
Died	2	dry	15,900 00
In residence, 30th September,		Total	\$19,442 12
1918	145		
	<hr/>		
	190		
<i>Places Admitted From.</i>		<i>Expenditures.</i>	
City of Toronto	162	Food of all kinds	\$13,349 63
County of York and other		Clothing, furniture and fur-	
counties	28	nishings	2,806 00
Immigrants and foreigners ..	.....	Fuel, light and cleaning	2,310 00
	<hr/>	Salaries and wages	480 00
	190	Repairs	331 00
<i>Sex.</i>		Drugs and medicines	959 49
Female	190	Other expenditures	407 00
	<hr/>	Total	\$20,643 12
	190	Government aid for 1918	\$3,548 65

THE HAVEN, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	108	From the Province of Ontario	\$2,553 74
Admitted	193	From the City of Toronto ..	1,999 92
	<hr/>	From inmates	5,115 46
Total number of inmates.	301	Income from laundry, etc. ...	9,265 84
Discharged	178	Subscriptions and donations..	2,126 65
Deaths	2	From other sources	250 56
In residence, 30th September,		Total	\$21,312 17
1918	121		
	<hr/>		
	301	<i>Expenditures.</i>	
<i>Places Admitted From.</i>		Food of all kinds	\$7,934 77
City of Toronto	226	Clothing, furnishings, etc. ..	1,529 53
County of York	4	Fuel, light, cleaning, etc.	2,525 08
Other counties	71	Salaries and wages	4,163 95
Immigrants, etc. ....	.....	Repairs	686 99
	<hr/>	Other expenses	4,378 52
	301	Medicine and medical comforts	212 61
<i>Sex.</i>		Total	\$21,431 45
Male (infants)	52	Government aid for 1918	\$2,192 47
Female	249		
	<hr/>		
	301		

HILLCREST CONVALESCENT HOME, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1917	24
Admitted	202
Total number of inmates.	226
Discharged	209
Died .....	.....
In residence, 30th September, 1918	17
	226

Places Admitted From.

City of Toronto	184
County of York	1
Other counties	31
Immigrants, foreigners, etc. ..	10
	226

Sex.

Male	3
Female	223
	226

Receipts.

From the Province of Ontario	\$108 57
From the City of Toronto ..	1,096 00
Payments from inmates	9,223 63
Income from property belonging to the Home .....	.....
Subscriptions and donations..	25 55
Received from all other sources not above enumerated .....	.....
Total	\$10,453 75

Expenditures.

Food of all kinds	\$5,265 44
Furnishings, etc.	583 65
Fuel, light and cleaning	1,100 66
Salaries and wages	3,000 00
Ordinary repairs, etc.	728 88
Other expenses	448 49
Medicine and medical comforts	29 92
Total	\$11,157 04
Government aid for 1918	\$132 37

HOUSE OF INDUSTRY, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1917	111
Admitted	89
Total number of inmates.	200
Discharged	78
Died	22
In residence, 30th September, 1918	100
	200

Places Admitted From.

City of Toronto	200
County of York and other counties .....	.....
Immigrants and foreigners ..	.....
	200

Sex.

Male	124
Female	76
	200

Receipts.

From the Province of Ontario	\$3,195 85
From the City of Toronto ..	32,000 00
From inmates	1,157 35
Income from property belonging to the House	2,001 52
Subscriptions and donations..	1,534 50
From other sources	640 04
Total	\$40,529 26

Expenditures.

Food of all kinds	\$8,898 02.
Clothing, furniture and furnishings	1,358 07
Fuel, light and cleaning	5,069 24
Salaries and wages	2,443 09
Repairs	1,426 87
Outdoor and casual poor	30,635 68
Other expenditures	6,367 56
Medicine and medical comforts	163 43
Advertsing and printing	70 81
Taxes and insurance	8 00
Total	\$56,440 77
Government aid for 1918	\$2,787 47

HOUSE OF PROVIDENCE, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	362	From the Province of Ontario	\$9,897 65
Admitted	195	From the City of Toronto ...	18,000 00
		Other municipalities .....	.....
Total number of inmates.	557	From inmates, in payment of board	17,378 40
Discharged	133	Subscriptions, donations and bequests of private individuals	15,686 00
Died	54	From other sources	9,226 33
In residence, 30th September, 1918	370		
	557	Total	\$70,188 38
 <i>Places Admitted From.</i>		 <i>Expenditures.</i>	
City of Toronto	530	Food of all kinds	\$42,449 59
County of York	8	Clothing, furniture and furnishings	4,841 61
Other counties in Ontario ...	19	Fuel, light and cleaning ...	10,738 77
Immigrants and foreigners ..	.....	Salaries and wages	3,739 17
	557	Drugs and medicines	465 34
		Ordinary repairs	1,814 01
<i>Sex.</i>		Other expenditures	3,843 35
Male	253	Total	\$67,891 84
Female	301	Government aid for 1918	\$10,007 97
	557		

HUMEWOOD HOUSE, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	23	From the Province of Ontario	\$263 26
Admitted	42	From inmates .....	.....
		Subscriptions, donations of private individuals	4,505 34
Total number of inmates.	65	From other sources .....	.....
Discharged	44	Total	\$4,768 60
Deaths	1		
In residence, 30th September, 1918	20		
	65		
 <i>Places Admitted From.</i>		 <i>Expenditures.</i>	
City of Toronto	61	Food of all kinds	\$1,634 89
County of York	4	Clothing, furnishings, etc. ...	453 94
Other counties of Ontario ..	.....	Fuel, light, cleaning, etc. ...	525 62
Immigrants, foreigners, etc...	.....	Salaries and wages	1,080 00
	65	Repairs	510 95
		Other expenses	1,191 52
<i>Sex.</i>		Total	\$5,396 92
Male (infants)	15	Government aid for 1918	\$278 64
Female	50		
	65		

INDUSTRIAL REFUGE, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>	
In residence, 1st October, 1917	85
Admitted	3
Total number of inmates..	88
Discharged	11
Died .....	.....
In residence, 30th September, 1918	77
	88
<i>Places Admitted From.</i>	
City of Toronto	65
County of York and other counties	23
Immigrants, foreigners, etc... ..	.....
	88
<i>Sex.</i>	
Female	88
	88

<i>Receipts.</i>	
From the Province of Ontario	\$2,278 01
From the City of Toronto ..	600 00
Payments from inmates	901 00
Subscriptions, donations, etc..	1,460 41
Laundry, sewing, etc.	19,357 20
Other sources	317 90
Total	\$24,914 52

<i>Expenditures.</i>	
Food of all kinds	\$8,116 74
Clothing and furnishings	1,409 92
Fuel, light and cleaning	3,935 00
Salaries and wages	5,900 05
Repairs, ordinary	1,029 47
Medicine and medical comforts	60 22
Other expenses	5,372 37
Total	\$25,823 77
Government aid for 1918	\$2,068 43

THE JULIA GREENSHIELDS HOME, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>	
In residence, 1st October, 1917	28
Admitted	8
Total number of inmates..	36
Discharged	3
Died	4
In residence, 30th September, 1918	29
	36
<i>Places Admitted From.</i>	
City of Toronto	34
County of York .....	.....
Other counties	2
	36
<i>Sex.</i>	
Females	36
	36

<i>Receipts.</i>	
From the Province of Ontario	\$768 25
From the City of Toronto ..	200 00
Payments of inmates	4,694 44
Income from property belonging to the Home	157 48
Subscriptions, donations	2,165 04
Other sources .....	.....
Total	\$7,985 21

<i>Expenditures.</i>	
Food of all kinds	\$3,597 87
Clothing and furnishings ...	552 24
Fuel, light and cleaning	1,524 45
Salaries and wages	1,969 25
Repairs	439 17
Other expenses	184 32
Medicine and medical comforts	34 12
Repairs, additions .....	.....
Total	\$8,301 42
Government aid for 1918	\$735 42

S. A. RESCUE HOME, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	70	From the Province of Ontario	\$1,446 33
Admitted	306	From the City of Toronto ...	500 00
	<hr/>	From inmates	3,074 58
Total number of inmates.	376	Subscriptions and donations..	1,045 12
Discharged	289	From other sources	2,921 01
Deaths	8		<hr/>
In residence, 30th September,		Total	\$8,987 04
1918	79		
	<hr/>		
	376	<i>Expenditures.</i>	
<i>Places Admitted From.</i>		Food of all kinds	\$2,495 90
City of Toronto	167	Clothing, furnishings, etc. ...	360 01
County of York and other		Fuel, light, cleaning, etc.	326 25
counties	95	Salaries and wages	3,771 00
Immigrants, etc.	114	Repairs	23 79
	<hr/>	Rent	1,400 00
	376	Drugs and medicines	85 49
		Other expenses	1,244 38
			<hr/>
		Total	\$9,706 82
		Government aid for 1918	\$1 036 66
<i>Sex.</i>			
Male	50		
Female	326		
	<hr/>		
	376		

VICTOR HOME FOR YOUNG WOMEN, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>		<i>Receipts.</i>	
In residence, 1st October, 1917	23	From the Province of Ontario	\$344 14
Admitted	123	From the City of Toronto ...	570 00
	<hr/>	From inmates	626 75
Total number of inmates.	146	Subscriptions, donations of	
Discharged	120	private individuals	56 50
Deaths	3	From other sources	3,529 81
In residence, 30th September,			<hr/>
1918	23	Total	\$5,127 20
	<hr/>		
	146	<i>Expenditures.</i>	
<i>Places Admitted From.</i>		Food of all kinds	\$1,471 53
City of Toronto	121	Clothing, furnishings, etc. ...	19 25
Immigrants, foreigners, etc. ...		Fuel, light, cleaning, etc.	515 12
Other counties of Ontario	25	Salaries and wages	725 00
County of York		Repairs	182 45
	<hr/>	Other expenses	2,213 85
	146		<hr/>
		Total	\$5,127 20
<i>Sex.</i>		Government aid for 1918	\$350 53
Female	123		
Male (infants)	23		
	<hr/>		
	146		

HOME FOR THE FRIENDLESS, WINDSOR.

Full particulars of the operations of this Institution will be found in the annexed summaries:

<i>Movements of Inmates.</i>	
In residence, 1st October, 1917	31
Admitted	27
	<hr/>
Total number of inmates.	58
Discharged	25
Died	4
In residence, 30th September, 1918	29
	<hr/>
	58
<i>Places Admitted From.</i>	
City of Windsor	58
County of Essex .....	.....
Immigrants, foreigners, etc...	.....
	<hr/>
	58
<i>Sex.</i>	
Male	37
Female	21
	<hr/>
	58

<i>Receipts.</i>	
From the Province of Ontario	\$747 67
From the City of Windsor ..	3,421 90
From inmates	291 75
Subscriptions and donations..	48 10
Other sources .....	.....
	<hr/>
Total	\$4,509 42
<i>Expenditures.</i>	
Food of all kinds	\$2,947 89
Clothing and furnishings	152 42
Fuel, light and cleaning	235 03
Repairs, ordinary	93 12
Salaries and wages.....	854 50
Other expenses	308 93
	<hr/>
Total	\$4,591 89
Government aid for 1918	\$797 02

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ORPHAN ASYLUMS

The statistical tables on the following pages of this report show an increase in the contributions to several of the Institutions, while in some cases there is a falling off as compared with last year.

The total number of children cared for in the Orphanages during the year was 4,664, as compared with 4,233 in 1917.

In the tables will be found full details of the receiving and discharging of children, etc.

The statistics relating to the sex and previous residence of the inmates are given in the following summary:

Sex.

Male	2,410
Female	2,254
	4,664

Previous Residence.

Received from cities in which Orphanages are located	3,399
Received from counties in which Orphanages are located	369
Received from other counties in the Province	732
Immigrants and foreigners and unknown	164
	4,664

TABLE I.—Schedule "C"—Orphanages.

Name of Orphanage.	Location.	No. in residence 1st of October, 1917.	No. admitted during the year ending 30th Sept., 1918.	Total number maintained during the year.	No. discharged during the year.	No. of deaths during the year.	No. remaining in residence on 30th Sept., 1918.
Nazareth Orphanage.....	Cornwall.....	25	25	50	22	.....	28
St. Joseph's Orphanage.....	Fort William.....	89	112	201	101	.....	100
Boys' Home.....	Hamilton.....	64	30	94	41	.....	53
Girls' Home.....	".....	40	45	85	37	.....	48
Infants' Home and Home for the Friendless.....	".....	54	178	232	147	.....	85
St. Mary's Orphan Asylum.....	".....	118	79	197	79	1	117
Salvation Army Rescue Home.....	".....	28	81	109	86	4	19
Orphans' Home and Widows' Friend Society.....	Kingston.....	45	40	85	39	.....	46
St. Mary of the Lake Orphanage.....	".....	96	51	147	56	.....	91
Kitchener Orphanage.....	Kitchener.....	33	35	68	30	.....	38
Protestant Orphans' Home.....	London.....	31	55	86	49	1	36
Roman Catholic Orphans' Home.....	".....	128	109	237	97	12	128
Salvation Army Rescue Home and Children's Shelter.....	".....	29	113	142	91	16	35
Ottawa Boys' Home.....	Ottawa.....	10	47	57	48	.....	9
Protestant Infants' Home.....	".....	16	83	99	44	24	31
Protestant Orphans' Home.....	".....	49	88	137	94	.....	42
St. Joseph's Orphanage.....	".....	211	212	423	193	1	229
St. Patrick's Orphanage.....	".....	95	78	173	75	.....	98
Salvation Army Rescue and Children's Home.....	".....	63	121	184	107	8	69
St. Vincent's Orphanage.....	Peterborough.....	33	48	81	33	.....	48
Loyal True Blue Orphanage.....	Pictou.....	66	29	95	25	2	68
St. Agatha Orphan Home.....	St. Agatha.....	55	17	72	17	.....	55
Protestant Orphans' Home.....	St. Catharines.....	22	11	33	14	.....	19
Boys' Home.....	Toronto.....	79	49	128	66	.....	62
Girls' Home.....	".....	69	34	103	51	.....	52
Home for Incurable Children.....	".....	29	5	34	4	2	28
Infants' Home and Infirmary.....	".....	81	193	274	156	45	73
Protestant Orphans' Home.....	".....	129	72	201	80	1	120
St. Mary's Infants' Home.....	".....	37	73	110	61	4	45
Sacred Heart Orphanage.....	".....	255	351	606	383	3	220
Working Boys' Home.....	".....	30	91	121	85	.....	36
Totals for 1918.....	.....	2,109	2,555	4,664	2,411	125	2,128
Totals for 1917.....	.....	2,074	2,159	4,233	2,123	47	2,063

TABLE II.—Schedule C.—Orphanages.

Name of Orphanage.	Location.	Aggregate stay of inmates.	Total expenditure on maintenance account for the year ending 30th September, 1918.	Average cost per inmate per day.
			* \$ c.	cents
Nazareth Orphanage	Cornwall	9,449	10,072 96	0.27
St. Joseph's Orphanage	Fort William	36,578	7,217 15	0.32
Boys' Home	Hamilton	16,492	6,160 89	0.37
Girls' Home	"	25,660	9,151 93	0.36
Infants' Home and Home for the Friendless	"	39,675	14,167 30	0.35
St. Mary's Orphan Asylum	"	11,705	6,319 98	0.54
Salvation Army Rescue Home	Kingston	13,891	8,413 44	0.60
Orphans' Home and Widows' Friend Society	"	31,114	5,587 54	0.18
St. Mary of the Lake Orphanage	"	11,582	3,516 97	0.30
Kitchener Orphanage	Kitchener	14,045	6,510 57	0.46
Protestant Orphans' Home	London	47,535	14,771 38	0.31
Roman Catholic Orphans' Home	"	11,673	4,941 03	0.33
Salvation Army Rescue Home and Children's Shelter	"	3,902	3,842 50	0.98
Ottawa Boys' Home	Ottawa	9,765	6,873 99	0.70
Protestant Infants' Home	"	16,566	11,008 19	0.66
Protestant Orphans' Home	"	83,993	21,752 68	0.26
St. Joseph's Orphanage	"	24,094	†	
St. Patrick's Orphanage	"	36,736	12,106 98	0.50
Salvation Army Rescue and Children's Home	"	14,660	3,742 95	0.25
St. Vincent's Orphanage	Peterborough	23,782	13,309 77	0.55
Loyal True Blue Orphanage	Pictou	20,175	5,132 36	0.25
St. Agatha Orphan Home	St. Agatha	6,748	3,114 23	0.46
Protestant Orphans' Home	St. Catharines	26,642	14,586 48	0.54
Boys' Home	Toronto	22,402	13,202 85	0.59
Girls' Home	"	10,359	10,947 14	1.05
Home for Incurable Children	"	26,257	17,034 27	0.64
Infants' Home and Infirmary	"	47,012	20,585 41	0.43
Protestant Orphans' Home	"	87,363	36,515 36	0.41
Sacred Heart Orphanage	"	17,024	14,240 25	0.83
St. Mary's Infants' Home	"	13,510	9,155 48	0.67
Working Boys' Home	"			
Totals for 1918		782,716	314,092 03	0.40
Totals for 1917		765,123	252,793 83	0.33

* Included in Hotel Dieu Hospital.

† Included in Refuge Branch.

TABLE III.—Schedule C—Orphanages.

Name of Orphanage.	Location.	Collective days' stay upon which computation of Orphanage rate is based.	Collective days' stay upon which computation of Refugee rate is based.	Amount received from all sources other than Government.		Computation at two (2) cents per day.		Computation at seven (7) cents, per day, being Refugee rate of adults.		Total Government grant for the year 1918.
				\$	c.	\$	c.	\$	c.	
Nazareth Orphanage *	Cornwall	9,449	.....	188	98	.....	188	98	.....	188 98
St. Joseph's Orphanage	Fort William	36,578	.....	8,897	00	.....	731	56	.....	731 56
Boys' Home	Hamilton	22,327	.....	6,506	96	.....	446	54	.....	446 54
Girls' Home	"	16,492	.....	5,925	37	.....	329	84	.....	329 84
Infants' Home and Home for the Friendless	"	21,082	4,578	8,309	66	.....	421	64	.....	742 10
St. Mary's Orphan Asylum	"	39,675	.....	14,362	74	.....	793	50	.....	793 50
Salvation Army Rescue Home	"	6,177	5,528	5,506	04	.....	510	50	.....	510 50
Orphans' Home and Widows' Friend Society	Kingston	13,891	.....	7,978	78	.....	277	82	.....	277 82
St. Mary of the Lake Orphanage	"	31,114	.....	4,867	27	.....	622	28	.....	622 28
Kitchener Orphanage	Kitchener	11,582	.....	4,063	52	.....	231	64	.....	231 64
Protestant Orphans' Home	London	14,945	.....	6,363	18	.....	280	90	.....	280 90
Roman Catholic Orphans' Home	"	47,535	6,084	13,746	71	.....	950	70	.....	950 70
S. A. Rescue Home and Children's Shelter	"	5,589	.....	4,445	25	.....	111	78	.....	537 66
Ottawa Boys' Home	Ottawa	3,902	.....	3,133	02	.....	78	04	.....	78 04
Protestant Infants' Home	"	9,765	.....	7,168	08	.....	195	30	.....	195 30
Protestant Orphans' Home	"	16,566	.....	4,850	14	.....	331	32	.....	331 32
St. Joseph's Orphanage	"	83,993	.....	20,112	35	.....	1,679	86	.....	1,679 86
St. Patrick's Orphanage †	"	36,736	.....	.....	.....	.....	734	72	.....	734 72
Salvation Army Rescue and Children's Home	"	17,188	6,906	10,793	74	.....	343	76	.....	827 18
St. Vincent's Orphanage	Peterboro	14,660	.....	3,442	00	.....	293	20	.....	293 20
Loyal True Blue Orphanage	Pictou	23,782	.....	14,352	05	.....	475	64	.....	475 64
St. Agatha Orphan Home	St. Agatha	20,175	.....	4,116	82	.....	403	50	.....	403 50
Protestant Orphans' Home	St. Catharines	6,748	.....	4,850	14	.....	134	96	.....	134 96
Boys' Home	Toronto	26,642	.....	13,508	74	.....	532	84	.....	532 84
Girls' Home	"	22,402	.....	13,525	18	.....	448	04	.....	448 04
Home for Incurable Children	"	10,359	.....	9,968	14	.....	207	18	.....	207 18
Infants' Home and Infirmary	"	19,103	7,154	14,818	43	.....	382	06	.....	882 84
Protestant Orphans' Home	"	47,012	.....	19,731	14	.....	940	24	.....	940 24
St. Mary's Infants' Home	"	17,024	.....	15,717	78	.....	340	48	.....	340 48
Sacred Heart Orphanage	"	80,148	7,215	34,458	21	.....	1,602	96	.....	2,108 01
Working Boys' Home	"	13,510	.....	10,085	04	.....	270	20	.....	270 20
Totals for 1918	.....	745,251	37,465	295,543	48	.....	4,905	02	.....	17,527 57
Totals for 1917	.....	732,642	32,481	238,019	26	.....	4,652	84	.....	16,926 51

† Included in Refuge Branch.

* Included in Hotel Dieu Hospital.

SEPARATE REPORTS

NAZARETH ORPHANAGE, CORNWALL.

The following summaries show the operations of this Orphanage during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	25	Male	30
Admitted	25	Female	20
	50		50
<i>Places Admitted From.</i>			
Discharged	22	Town of Cornwall	21
Died .....	.....	County of Stormont .....	.....
In residence, 30th September, 1918	28	Other counties and countries ..	28
	50	Immigrants, etc.	1
			50

The revenues and expenditures of this Orphanage are included in those of the Hotel Dieu Hospital, Cornwall, and cannot be shown separately.
Government aid for 1918, \$188.98.

ST. JOSEPH'S ORPHANAGE, FORT WILLIAM.

The following summaries show the operations of this Charity during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	89	Male	95
Admitted	112	Female	106
	201		201
<i>Places Admitted From.</i>			
Discharged	101	District of Thunder Bay ....	.....
Died .....	.....	Fort William	97
In residence, 30th September, 1918	100	Other counties in the Province	59
	201	Immigrants, etc.	45
			201

The revenue of the Home, including the Government grant of \$677.94, was \$9,574.94, and the expenditure, \$10,072.96.
Government aid for 1918, \$731.56.

PROTESTANT ORPHAN ASYLUM, HAMILTON.

The following summaries show the operations of this Asylum during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	.....	Male .....	.....
Admitted .....	.....	Female .....	.....

<i>Places Admitted From.</i>			
Discharged .....	.....	City of Hamilton .....	.....
Deaths .....	.....	County of Wentworth and	.....
In residence, 30th September, 1918 .....	.....	other countries .....	.....

The receipts and expenditures are included in the financial statements of the Aged Women's Home, *vide* Schedule "B" Refuge Report.
Government aid for 1918, ———.

BOYS' HOME, HAMILTON.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Places Admitted From.</i>	
In residence, 1st October, 1917	64		
Admitted	30	Hamilton City	94
	<hr/>	County of Wentworth	.....
Total number of inmates.	94		<hr/>
			94
Discharged	41		
In residence, 30th September,			
1918	53		
	<hr/>		
	94		

The receipts of the Home during the year, including the Government grant of \$492.74, were \$6,999.72, and the expenditures were \$7,217.15.
Government aid for 1918, \$446.54.

GIRLS' HOME, HAMILTON.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Places Admitted From.</i>	
In residence, 1st October, 1917	40	City of Hamilton	85
Admitted	45	County of Wentworth	.....
	<hr/>		<hr/>
Total number of inmates.	85		85
Discharged	37		
Number or deaths	.....	
In residence, 30th September,			
1918	48		
	<hr/>		
	85		

The revenue of the Home during the year, including the Government grant of \$311.56, was \$6,236.93, and the expenditure was \$6,160.89.
Government aid for 1918, \$329.84.

HOME FOR THE FRIENDLESS AND INFANTS' HOME, HAMILTON.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	54	Male	97
Admitted	178	Female	135
	<hr/>		<hr/>
Total number of inmates.	232		232
Discharged	143		
Died	4		
In residence, 30th September,			
1918	85		
	<hr/>		
	232		

<i>Places Admitted From.</i>	
City of Hamilton	205
County of Wentworth	9
Other places and counties	15
Aliens	3
	<hr/>
	232

The revenue of the Home, including Government grant of \$637.68, was \$8,947.34, and the expenditure, \$9,151.93.
Government aid for 1918, \$742.10.

ST. MARY'S ORPHAN ASYLUM, HAMILTON.

The following summaries show the operations of this Asylum during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	118	Male	103
Admitted	79	Female	94
	<hr/>		<hr/>
Total number of inmates.	197		197
Discharged	79	<i>Places Admitted From.</i>	
Died	1	City of Hamilton	152
In residence, 30th September,		County of Wentworth	4
1918	117	Other counties and countries .	41
	<hr/>		<hr/>
	197		197

Including the Government grant of \$806.96, the revenue of the Asylum during the year amounted to \$15,169.70, and the expenditure to \$14,167.30.
Government aid for 1918, \$793.50.

THE SALVATION ARMY RESCUE HOME, HAMILTON.

The following summaries show the operations of this Asylum during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	28	Male	23
Admitted	81	Female	86
	<hr/>		<hr/>
Total number of inmates.	109		109
Discharged	86	<i>Places Admitted From.</i>	
Died	4	City of Hamilton	66
In residence, 30th September,		County of Wentworth	2
1918	19	Other counties and countries .	35
	<hr/>	Aliens, etc.	5
	109		<hr/>
			109

The revenue of this Asylum for the year, including the Government grant of \$448.34, amounted to \$5,954.33, and the expenditure to \$6,319.98.
Government aid for 1918, \$510.50.

ORPHANS' HOME, KINGSTON.

The following summaries show the operations of this Institution during the year.

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	45	Male	39
Admitted	40	Female	46
	<hr/>		<hr/>
Total number of inmates.	85		85
Discharged	39	<i>Places Admitted From.</i>	
Died .....	....	City of Kingston	74
In residence, 30th September,		County of Frontenac	7
1918	46	Other counties in Ontario	4
	<hr/>	Immigrants, foreigners, etc. ..	.....
	85		<hr/>
			85

The revenue of this Home for the year, including the Government grant of \$391.73, was \$8,370.56, and expenditure was \$8,413.44.
Government aid for 1918, \$277.82.

ST. MARY'S OF THE LAKE ORPHANAGE, KINGSTON.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	96	Male	82
Admitted	51	Female	65
	<hr/>		<hr/>
Total number of inmates .	147		147
		<i>Places Admitted From.</i>	
Discharged	56	City of Kingston	82
Died .....	.....	County of Frontenac .....	.....
In residence, 30th September,		Other counties	65
1918	91	Immigrants, etc. ....	.....
	<hr/>		<hr/>
	147		147

The income of the Asylum during the year, including the Government grant of \$684.58, amounted to \$5,551.85, and the expenditure to \$5,587.54.
Government aid for 1918, \$622.28.

KITCHENER ORPHANAGE, KITCHENER.

The following summaries show the operations of this Orphanage during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	33	Male	45
Admitted	35	Female	23
	<hr/>		<hr/>
Total number of inmates.	68		68
		<i>Places Admitted From.</i>	
Discharged	30	Town of Kitchener	39.
Died .....	.....	County of Waterloo	23
In residence, 30th September,		Counties in Ontario	6
1918	38	Immigrants, etc. ....	.....
	<hr/>		<hr/>
	68		68

The revenue of the Home, including the Government grant of \$237.22, was \$4,300.74, and the expenditures were \$3,516.97.
Government aid for 1918, \$231.64.

PROTESTANT ORPHANS' HOME, LONDON.

The following summaries show the operations of this Orphanage during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	31	Male	58
Admitted	55	Female	28
	<hr/>		<hr/>
Total number of inmates.	86		86
		<i>Places Admitted From.</i>	
Discharged	49	City of London	86
Died	1	Other counties .....	.....
In residence, 30th September,			
1918	36		
	<hr/>		<hr/>
	86		86

The revenue of the Home, including the Government grant of \$282.64, was \$6,585.82, and the expenditures were \$6,510.57.
Government aid for 1918, \$280.90.

ROMAN CATHOLIC ORPHANS' HOME, LONDON.

The following summaries show the operations of this Orphanage during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	128	Male	135
Admitted	109	Female	101
	<hr/>		<hr/>
Total number of inmates.	237		237
Discharged	97	<i>Places Admitted From.</i>	
Died	12	City of London	101
In residence, 30th September,		County of Middlesex	2
1918	128	Other parts of the Province..	134
	<hr/>		<hr/>
	237		237
	<hr/>		

The revenue of the Home during the year, including the Government grant of \$927.22, amounted to \$14,673.93, and the expenditure to \$14,771.38.
Government aid for the year 1918, \$950.70.

S. A. RESCUE HOME AND CHILDREN'S SHELTER, LONDON.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	29	Male	44
Admitted	113	Female	98
	<hr/>		<hr/>
Total number of inmates.	142		142
Discharged	91	<i>Places Admitted From.</i>	
Died	16	City of London	88
In residence, 30th September,		Middlesex and other counties	53
1918	35	Immigrants, foreigners, etc...	1
	<hr/>		<hr/>
	142		142
	<hr/>		

The revenue of the Home, including Government grant of \$441.13, was \$4,886.33, and the expenditure, \$4,941.03.
Government aid for 1918, \$537.66.

BOYS' HOME, OTTAWA.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	10	Male	57
Admitted	47	Female .....	.....
	<hr/>		<hr/>
Total number of inmates.	57		57
Discharged	48	<i>Places Admitted From.</i>	
Died .....	.....	City of Ottawa	33
In residence, 30th September,		County of Carleton	24
1918	9	Other counties in Province ..	.....
	<hr/>	Immigrants, foreigners, etc. .	.....
	57		<hr/>
	<hr/>		57

The revenue of the Home during the year, including Government grant of \$72.44, amounted to \$3,205.46, and the expenditures to \$3,842.50.
Government aid for 1918, \$78.04.

ORPHANS' HOME, OTTAWA.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	49	Male	69
Admitted	88	Female	68
	<hr/>		<hr/>
Total number of inmates.	137		137
		<i>Places Admitted From.</i>	
Discharged	94	City of Ottawa	127
Died	1	County of Carleton	4
In residence, 30th September, 1918	42	Other counties	1
	<hr/>	Immigrants, etc.	5
	137		<hr/>
			137

The receipts and expenditures are included in the financial statement of the Refuge Branch of the Orphans' Home, Ottawa. See Schedule "B." Refuge Report.
Government aid for 1918, \$331.32.

ST. JOSEPH'S ORPHAN ASYLUM, OTTAWA.

The following summaries show the operations of this Charity during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	211	Male	199
Admitted	212	Female	224
	<hr/>		<hr/>
Total number of inmates.	423		423
		<i>Places Admitted From.</i>	
Discharged	193	City of Ottawa	210
Died	1	County of Carleton	20
In residence, 30th September, 1918	229	Other counties in Ontario ..	193
	<hr/>		<hr/>
	423		423

The receipts of the Institution, including Government grant of \$1,662.88, were \$21,775.23, and the expenditures, \$21,752.68.
Government aid for 1918, \$1,679.86.

ST. PATRICK'S ORPHAN ASYLUM, OTTAWA.

The following summaries show the operations of this Asylum during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	95	Male	89
Admitted	78	Female	84
	<hr/>		<hr/>
Total number of inmates.	173		173
		<i>Places Admitted From.</i>	
Discharged	75	City of Ottawa	88
Died .....	.....	County of Carleton	47
In residence, 30th September, 1918	98	Other parts of Province	29
	<hr/>	Other countries	9
	173		<hr/>
			173

The receipts and expenditures of this Institution are included in the financial statement of the Refuge Department; vide Schedule "B." Refuge Report.
Government aid for 1918, \$734.72.

THE PROTESTANT INFANTS' HOME, OTTAWA.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	16	Male	51
Admitted	83	Female	48
	<hr/>		<hr/>
Total number of inmates.	99		99
		<i>Places Admitted From.</i>	
Discharged	44	City of Ottawa	62
Died	24	County of Carleton	3
In residence, 30th September, 1918	31	Other counties in Province ..	10
	<hr/>	Immigrants, foreigners, etc. ..	24
	99		<hr/>
			99

The revenue of the Home during the year, including Government grant of ———, amounted to \$7,168.08, and the expenditures to \$6,873.99.
Government aid for 1918, \$195.30.

S. A. RESCUE HOME AND CHILDREN'S SHELTER, OTTAWA.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence. 1st October, 1917	63	Male	70
Admitted during the year ..	121	Female	114
	<hr/>		<hr/>
Total number of inmates.	184		184
		<i>Places Admitted From.</i>	
Discharged	107	City of Ottawa	164
Died	8	County of Carleton	2
In residence, 30th September, 1918	69	Other counties	15
	<hr/>	Immigrants, foreigners, etc. ..	3
	184		<hr/>
			184

The revenue of the Home, including Government grant of \$653.37, was \$11,447.11, and the expenditures were \$12,106.98.
Government aid for 1918, \$827.18.

ST. VINCENT'S ORPHANAGE, PETERBOROUGH.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	33	Male	37
Admitted	48	Female	44
	<hr/>		<hr/>
Total number of inmates.	81		81
		<i>Places Admitted From.</i>	
Discharged	33	City of Peterborough	48
Number of deaths .....	.....	County of Peterborough ....	.....
In residence, 30th September, 1918	48	Other counties in the Province	33
	<hr/>		<hr/>
	81		81

The revenue of the Home, including the Government grant of \$276.76, during the year was \$3,718.76, and the expenditures were \$3,742.95.
Government aid for 1918, \$293.20.

LOYAL TRUE BLUE ORPHANAGE, PICTON.

The following summaries show the operations of this Orphanage during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	66	Male	48
Admitted	29	Female	47
	95		95
Total	95	<i>Places Admitted From.</i>	
Discharged	25	City of Toronto	40
Died	2	County of Prince Edward	5
In residence, 30th September, 1918	68	Other counties of Ontario	35
	95	Aliens	15
			95

The revenue of the Home, including the Government grant of \$469.36, was \$14,721.41, and the expenditures were \$13,399.77.
Government aid for 1918, \$475.64.

ST. AGATHA ORPHAN ASYLUM, ST. AGATHA.

The following summaries show the operations of this Asylum during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	55	Male	34
Admitted	17	Female	33
	72		72
Total number of inmates.	72	<i>Places Admitted From.</i>	
Discharged	17	County of Waterloo	72
Died .....	.....	Other counties .....	.....
In residence, 30th September, 1918	55	Aliens .....	.....
	72		72

The revenue of the Asylum was \$4,492.38, including the Government grant of \$375.56, and the expenditure, \$5,152.36.
Government aid for 1918, \$403.50.

PROTESTANT HOME (ORPHANAGE BRANCH), ST. CATHARINES.

The following summaries show the operations of this Charity during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	22	Male	21
Admitted	11	Female	12
	33		33
Total number of inmates.	33	<i>Places Admitted From.</i>	
Discharged	14	City or St. Catharines	26
Died .....	.....	County of Lincoln	4
In residence, 30th September, 1918	19	Other counties .....	.....
	33	Aliens	3
			33

The revenue of the Home during the year, including the Government grant of \$218.74, amounted to \$5,063.88, and the expenditure, \$3,114.23.
Government aid for 1918, \$134.96.

BOYS' HOME, TORONTO.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Places Admitted From.</i>	
In residence, 1st October, 1917	79	City of Toronto	128
Admitted	49	County of York .....	.....
	<hr/>	Counties of Ontario .....	.....
Total number of inmates.	128	Immigrants, foreigners, etc. .	.....
			<hr/>
Discharged	66		128
Died	0		
In residence, 30th September,			
1918	62		
	<hr/>		
	128		

The receipts of the Home during the year, including the Government grant of \$583.36, amounted to \$14,092.10, and the expenditures were \$14,586.48.
Government aid for the year, 1918, \$532.84.

GIRLS' HOME, TORONTO.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Places Admitted From.</i>	
In residence, 1st October, 1917	69	City of Toronto	103
Admitted	34	County of York .....	.....
	<hr/>	Other parts of Ontario .....	.....
Total number of inmates.	103		<hr/>
			103
Discharged	51		
Died .....	.....	
In residence, 30th September,			
1918	52		
	<hr/>		
	103		

The receipts of the Institution during the year, including the Government grant of \$471.82, amounted to \$13,997.00, and the expenditure, \$13,202.85.
Government aid for 1918, \$448.04.

HOME FOR INCURABLE CHILDREN, TORONTO.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	29	Male	18
Admitted	5	Female	16
	<hr/>		<hr/>
Total number of inmates.	34		34
Discharged	4		
Died	2		
In residence, 30th September,			
1918	28		
	<hr/>		
	34		

		<i>Places Admitted From.</i>	
		City of Toronto	20
		Other counties in the Province	12
		Immigrants, foreigners, etc. .	2
			<hr/>
			34

The revenue of the Home during the year, including the Government grant of \$210.02, amounted to \$10,178.16, and the expenditure to \$10,947.14.
Government aid for 1918, \$207.18.

THE INFANTS' HOME AND INFIRMARY, TORONTO.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	81	Male	128
Admitted	193	Female	145
	<hr/>		<hr/>
Total number of inmates.	274		274
Discharged	156	<i>Places Admitted From.</i>	
Died	45	City of Toronto	255
In residence, 30th September, 1918	73	County of York .....	.....
	<hr/>	Other counties in Ontario ...	19
	274	Immigrants, foreigners, etc..	.....
			<hr/>
			274

The receipts of the Home during the year, including the Government grant of \$1,072.92, were \$15,891.35, and the expenditures were \$17,034.27. Government aid for the year, 1918, \$882.84.

ST. MARY'S INFANTS' HOME, TORONTO.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	37	Male	70
Admitted	73	Female	40
	<hr/>		<hr/>
Total number of inmates.	110		110
Discharged	61	<i>Places Admitted From.</i>	
Died	4	City of Toronto	73
In residence, 30th September, 1918	45	County of York .....	.....
	<hr/>	Other counties in Ontario ...	37
	110	Immigrants, foreigners, etc...	.....
			<hr/>
			110

The receipts of the Home during the year, including the Government grant of —, were \$15,717.78, and the expenditures were \$14,240.25. Government aid for the year, 1918, \$340.48.

PROTESTANT ORPHANS' HOME, TORONTO.

The following summaries show the operations of this Institution during the past year:—

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	129	Male	115
Admitted	72	Female	86
	<hr/>		<hr/>
Total number of inmates.	201		201
Discharged	80	<i>Places Admitted From.</i>	
Died	1	City of Toronto	195
In residence, 30th September, 1918	120	Immigrants, foreigners, etc...	6
	<hr/>	Other parts of Ontario ...	.....
	201		<hr/>
			201

The receipts of the Institution during the year, including the Government grant of \$1,026.72, were \$20,757.86, and the expenditures were \$20,585.41. Government aid for the year 1918, \$940.24.

ROMAN CATHOLIC ORPHAN ASYLUM, TORONTO.

The following summaries show the operations of this Orphanage during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	255	Male	314
Admitted	351	Female	292
	<hr/>		<hr/>
Total number of inmates.	606		606
		<i>Places Admitted From.</i>	
Discharged	383	City of Toronto	571
Died	3	County of York	2
In residence, 30th September,		Other parts of Ontario	30
1918	220	Immigrants, foreigners, etc...	3
	<hr/>		<hr/>
	606		606

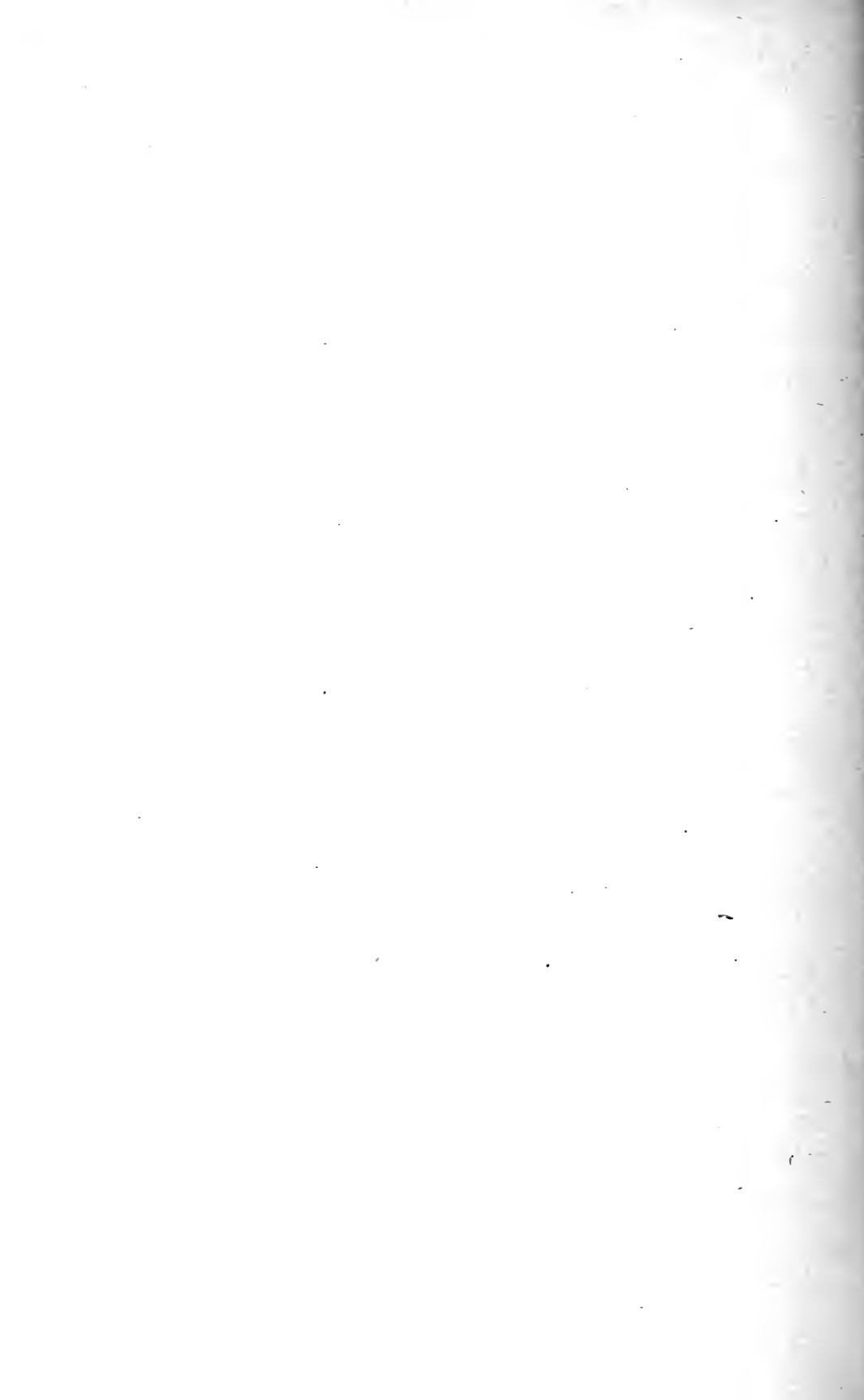
The receipts of the Institution during the year, including the Government grant of \$1,984.81, were \$36,443.02, and the expenditures were \$36,515.36.
 Government aid for the year 1918, \$2,108.01.

THE WORKING BOYS' HOME, TORONTO.

The following summaries show the operations of this Home during the year:

<i>Movements of Inmates.</i>		<i>Sex.</i>	
In residence, 1st October, 1917	30	Male	121
Admitted	91		<hr/>
	<hr/>		121
Total number of inmates.	121	<i>Places Admitted From.</i>	
Discharged	85	City of Toronto	66
In residence, 30th September,		County of York	4
1918	36	Counties of Ontario	9
	<hr/>	Aliens	42
	121		<hr/>
			121

The receipts of the Home during the year, including the Government grant of \$173.48, amounted to \$10,253.52, and the expenditures were \$9,155.48.
 Government aid for the year 1918, \$270.20.



COUNTY HOUSES OF REFUGE

The following returns have been received from the Houses of Refuge maintained by the different Counties in Ontario. These returns show the approximate value of the buildings, contents and land, also the number of acres in connection with each House of Refuge. The receipts and expenditures are also stated, together with the average number of inmates in each Refuge.

COUNTY OF BRANT.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$20,000 00
" " contents	5,000 00
" " land	20,000 00
Number of acres	42

Receipts.

Profits of farm	\$609 92
Received from all other sources .....	.....
Amount provided out of taxation and received from Treasurer	8,360 28

Expenditures.

Maintenance of House	\$8,838 16
Average number of inmates	45

COUNTY OF BRUCE.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$22,000 00
" " contents	1,200 00
" " land	3,500 00
Number of acres	61

Receipts.

Profits of farm	\$164 33
Received from all other sources	304 00
Amount provided out of taxation and received from Treasurer	6,687 69

Expenditures.

Maintenance of House	\$7,156 02
Average number of inmates	54

COUNTY OF ELGIN.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$26,000 00
" " contents	2,500 00
" " land	10,700 00
Number of acres	100

Receipts.

Profits of farm	\$1 351 36
Received from all other sources	354 00
Amount provided out of taxation and received from Treasurer	6,038 66

Expenditures.

Maintenance of House	\$4,560 77
For permanent improvements .....	.....
Average number of inmates	57

COUNTY OF ESSEX.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$50,000 00
" " contents	3,000 00
" " land	8,000 00
Number of acres	50

Receipts.

Profits of farm	\$5,974 50
Received from all other sources	3,464 61
Amount provided out of taxation and received from Treasurer	10,096 66

Expenditures.

Maintenance and improvements of House	\$11,245 77
Average number of inmates	52

COUNTY OF GREY.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$21,000 00
" " contents	3,550 00
" " land	5,200 00
Number of acres	97

Receipts.

Profits of farm	\$1,523 83
Received from all other sources	1,143 00
Amount provided out of taxation and received from Treasurer	3,994 86

Expenditures.

Maintenance of House	\$6,233 21
Average number of inmates	52

COUNTY OF HALDIMAND.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$22,000 00
" " contents	3,800 00
" " land	5,000 00
Number of acres	50

Receipts.

Profits of farm	\$2,207 86
Received from all other sources	408 50
Amount provided out of taxation and received from Treasurer	7,101 25

Expenditures.

Maintenance of House	\$3,351 09
Average number of inmates	33

COUNTY OF HASTINGS.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$59,000 00
" " contents	3,000 00
" " land, barns and machinery	10,000 00
Number of acres	73

Receipts.

Profits of farm	\$2,665 21
Received from all other sources	2,459 83
Amount provided out of taxation and received from Treasurer	10,878 20

Expenditures.

Maintenance of House	\$16,003 24
Average number of inmates	80

COUNTY OF HURON.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$25,000 00
" " contents	2,500 00
" " land	3,500 00
Number of acres	47½

Receipts.

Profits of farm	\$664 61
Received from all other sources	1,638 50
Amount provided out of taxation and received from Treasurer	6,555 65

Expenditures.

Maintenance of House	\$9,315 41
Average number of inmates	91

COUNTY OF KENT.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$25,000 00
" " contents	2,200 00
" " land	5,000 00
Number of acres	50

Receipts.

Profits of farm	\$1,972 39
Received from all other sources .....	.....
Amount provided out of taxation and received from Treasurer	6,243 10

Expenditures.

Maintenance of House	\$5,740 17
Average number of inmates	52

COUNTY OF LAMBTON.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$34,000 00
" " contents	2,000 00
" " land	6,000 00
Number of acres	60

Receipts.

Profits of farm	\$261 54
Received from all other sources .....	.....
Amount provided out of taxation and received from Treasurer	9,150 85

Expenditures.

Maintenance of House	\$9,150 85
Average number of inmates	42

COUNTY OF LANARK.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$35,000 00
" " contents	7,808 35
" " land	10,000 00
Number of acres	125

Receipts.

Profits of farm	\$950 26
Received from other sources	6,844 13
Amount provided out of taxation and received from Treasurer	12,529 68

Expenditures.

Maintenance of House	\$16,023 89
Average number of inmates	78

COUNTIES OF LEEDS AND GRENVILLE.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$20 000 00
" " contents	5,000 00
" " land	5,000 00
Number of acres	100

Receipts.

Profits of farm	\$1,135 72
Received from all other sources	1,308 58
Amount provided out of taxation and received from Treasurer	5,721 61

Expenditures.

Maintenance of House	\$8,165 91
Average number of inmates	45

COUNTY OF LINCOLN.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$30,000 00
" " contents	5,396 80
" " land	14,000 00
Number of acres	70

Receipts.

Profits of farm	\$4,998 64
Received from all other sources	2,661 50
Amount provided out of taxation and received from Treasurer	6,138 96

Expenditures.

Maintenance of House and improvements .....	.....
Average number of inmates	42

COUNTY OF MIDDLESEX.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$35,000 00
" " contents	1,000 00
" " land	10,500 00
Number of acres	84½

Receipts.

Profits of farm	\$2,825 85
Received from all other sources	711 67
Amount provided out of taxation and received from Treasurer	9,821 14

Expenditures.

Maintenance of House	\$13,358 66
Average number of inmates	79

COUNTY OF NORFOLK.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$20,000 00
" " contents	5,000 00
" " land	5,500 00
Number of acres	90

Receipts.

Profits of farm	\$890 58
Received from all other sources .....	.....
Amount provided out of taxation and received from Treasurer	10,867 75

Expenditures.

Maintenance of House	\$7,224 11
Average number of inmates	55

 COUNTIES OF NORTHUMBERLAND AND DURHAM.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$55,500 00
" " contents	3,000 00
" " land	4,500 00
Number of acres	45

Receipts.

Profits of farm, sale of stock	\$862 00
Received from all other sources	329 63
Amount provided out of taxation and received from Treasurer	13,249 37

Expenditures.

Maintenance of House and permanent improvements	\$14,441 00
Average number of inmates	78

COUNTY OF ONTARIO.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$28,000 00
" " contents .....	.....
" " land	4,050 00
Number of acres	48

Receipts.

Profits of farm	\$683 16
Received from all other sources	826 60
Amount provided out of taxation and received from Treasurer	9,848 05

Expenditures.

Maintenance of House	\$10,886 50
Average number of inmates	73

COUNTY OF OXFORD.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$30,000 00
" " contents	8,398 50
" " land	6,500 00
Number of acres	100

Receipts.

Profits of farm	\$2,134 72
Received from all other sources	2,202 53
Amount provided out of taxation and received from Treasurer	13,246 29

Expenditures.

Maintenance of House	\$13,246 29
Average number of inmates	74

COUNTIES OF PEEL AND HALTON.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings and land	\$37,000 00
" " contents	2,500 00
" " land .....	.....
Number of acres	50

Receipts.

Profits of farm .....	.....
Received from all sources	\$1,233 73
Amount provided out of taxation and received from Treasurer	3,296 40

Expenditures.

Maintenance of House, net cost	7,497 11
Average number of inmates	45

COUNTY OF PERTH.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$30,000 00
" " contents	4,000 00
" " land	5,400 00
Number of acres	54

Receipts.

Profits of farm	\$729 80
Received from all other sources	393 90
Amount provided out of taxation and received from Treasurer	6,297 32

Expenditures.

Maintenance of House	\$7,421 02
Average number of Inmates	54

COUNTY OF PETERBOROUGH.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$24,650 00
" " contents	2,200 00
" " land	5,550 00
Number of acres	96

Receipts.

Profits of farm	\$1,532 08
Received from all other sources	124 18
Amount provided out of taxation and received from Treasurer	7,917 85

Expenditures.

Maintenance of House	\$5,074 65
Average number of inmates	36

COUNTIES OF PRESCOTT AND RUSSELL.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$45,000 00
" " contents	18,000 00
" " land	2,500 00
Number of acres	100

Receipts.

Profits of farm	\$4,298 00
Received from all other sources	1,676 47
Amount provided out of taxation and received from Treasurer	9,773 26

Expenditures.

Maintenance of House	\$15,746 09
Average number of inmates	63

COUNTY OF PRINCE EDWARD.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$30,000 00
" " contents	2,500 00
" " land	4,500 00
Number of acres	45

Receipts.

Profits of farm	\$2,357 13
Received from all other sources	1,035 20
Amount provided out of taxation and received from Treasurer	4,353 43

Expenditures.

Maintenance of House	\$8 269 47
Average number of inmates	42

COUNTY OF SIMCOE.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$38 703 05
" " contents	3,296 95
" " land	6,000 00
Number of acres	100

Receipts.

Profits of farm	\$2,464 22
Received from all other sources	231 10
Amount provided out of taxation and received from Treasurer, including improvements	16,393 82

Expenditures.

Maintenance of House	\$12,283 96
Average number of inmates	81

COUNTIES OF STORMONT, DUNDAS AND GLENGARRY.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$50,000 00
" " contents	4,000 00
" " land	10,000 00
Number of acres	140

Receipts.

Profits of farm	\$1,520 87
Received from all other sources	579 73
Amount provided out of taxation and received from Treasurer	10,557 97

Expenditures.

Maintenance of House	\$12,768 57
Average number of inmates	54

COUNTY OF VICTORIA.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$35,238 62
" " contents	8,588 99
" " land	8,344 77
Number of acres	70

Receipts.

Profits of farm	\$1,397 99
Received from all other sources	1,225 43
Amount provided out of taxation and received from Treasurer	8,959 57

Expenditures.

Maintenance of House	\$11,583 04
Average number of inmates	54

COUNTY OF WATERLOO.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$20,000 00
" " contents	5,000 00
" " land	20,000 00
Number of acres	75

Receipts.

Profits of farm	\$964 86
Received from all other sources	1,169 51
Amount provided out of taxation and received from Treasurer	20,653 66

Expenditures.

Maintenance of House	\$22,788 03
Average number of inmates	104

COUNTY OF WELLAND.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$32,500 00
" " contents	4,000 00
" " land	6,000 00
Number of acres	60

Receipts.

Profits of farm	\$1,051 92
Received from all other sources	2,880 93
Amount provided out of taxation and received from Treasurer	9,016 54

Expenditures.

Maintenance of House	\$11,023 84
Average number of inmates	58

COUNTY OF WELLINGTON.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$41,000 00
" " contents	6,000 00
" " land	3,000 00
Number of acres	58

Receipts.

Profits of farm	\$485 84
Received from all other sources	796 20
Amount provided out of taxation and received from Treasurer	9,400 00

Expenditures.

Maintenance of House	\$6,489 57
Average number of inmates	72

COUNTY OF WENTWORTH.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$30,000 00
" " contents	6,000 00
" " land	14,000 00
Number of acres	183

Receipts.

Profits of farm	\$5,032 72
Received from all other sources	409 35
Amount provided out of taxation and received from Treasurer	3,740 46

Expenditures.

Maintenance of House	\$3,740 46
Average number of inmates	29

COUNTY OF YORK.

Statement showing value of property, receipts, expenditures, and average number of inmates.

Approximate value of buildings	\$30,000 00
" " contents	7,000 00
" " land	10,000 00
Number of acres	70

Receipts.

Profits of farm	\$3,177 89
Received from all other sources	627 73
Amount provided out of taxation and received from Treasurer	8,350 00

Expenditures.

Maintenance of House	\$12,175 66
Average number of inmates	68









