

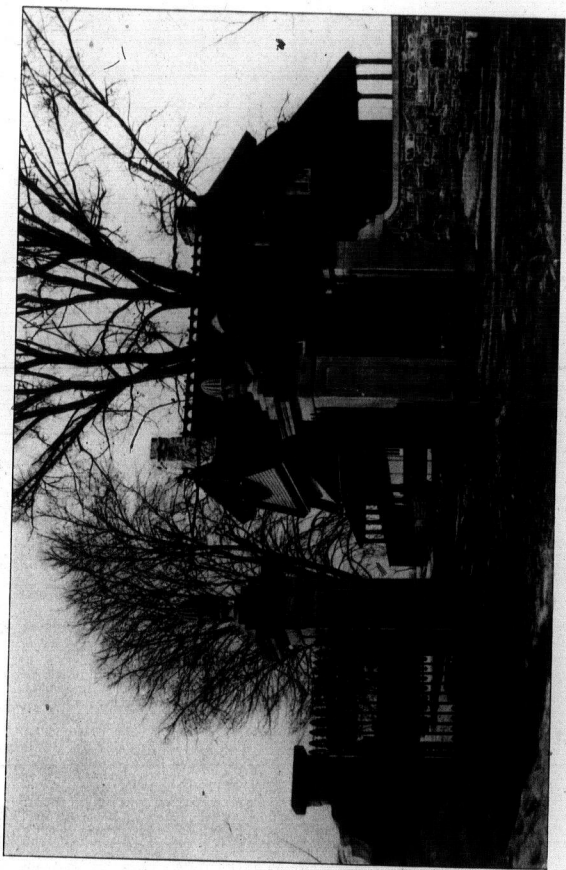
Protestant
Hospital for the Insane

Verdun, Montreal, Que.

Annual Report

For the Year

1898.



ENTRANCE GATES AND LODGE.

PROTESTANT
HOSPITAL FOR THE INSANE,
VERDUN, MONTREAL, QUE.

ANNUAL REPORT
FOR THE YEAR 1898.

MONTREAL:
"WITNESS" PRINTING HOUSE
1899.

INDEX.

| | PAGE. |
|---|-------|
| Instructions as to Admission of Patients | 3 |
| Life Governors | 5 |
| Elective Governors | 6 |
| Board of Management, etc. | 7 |
| Officers of the Institution | 8 |
| Attendance of Board of Management, | 9 |
| Subscription List for 1898 | 10 |
| Twelfth Annual Report of the Governors | 11 |
| Endowment Statement | 18 |
| Ninth Annual Report of the Medical Superintendent | 20 |
| Pathologist's Report | 34 |
| Statistical Tables | 35 |
| Financial Statement | 50 |

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INSTRUCTIONS AS TO ADMISSION OF PATIENTS.

In addition to commitment as a dangerous lunatic by a Recorder, Police Magistrate, or Justice of the Peace, the law provides two methods for the admission of patients.

1st. For public patients, that is, those patients whose maintenance is at the charge of municipalities and the Province, in which cases there must be handed to the Medical Superintendent an application for admission, a physician's certificate, a history of the case, a certificate from a minister, a certificate from the mayor of the patient's domicile, and a certificate from the secretary-treasurer of the municipality from which the patient comes.

2nd. For private patients, that is, those patients whose maintenance is at their own charge, in which cases there must be handed to the Medical Superintendent an application for admission, two physicians' certificates, a history of the case, and an agreement as to the rate to be paid.

All the above forms are statutory (except the agreement in the case of private patients) and must be filled out completely and legibly in every part, signed and sworn to before the patient is brought to the Hospital, otherwise he cannot be received.

Where admission is desired for a patient, the Medical Superintendent should be asked for the necessary blank forms. If this request be made by letter, the patient's name in full and residence must be given, and the statement made whether they are required for a public or private patient, as the forms differ in the two cases. Unless the case be extremely urgent, when the patient may be brought along with the papers properly filled up, they must first be returned to the Medical Superintendent, that he may satisfy himself as to their correctness and the suitability of the case.

The rates for private patients vary from four to twelve dollars per week, to be paid monthly in advance; four dollars securing admission to public wards, six or twelve dollars admission to private wards. This includes board, lodging, washing and medical attendance.

In bringing a patient to the Hospital, use force if necessary, but never deception, as it lessens the chances of cure by making him look upon the institution with dislike, and those in charge of it as alone responsible for his being kept there. Tell the patient frankly that physician and friends alike consider him sick, and that it is pro-

posed to take him to a hospital where his chances of being cured will be of the best, and whence he will be taken out again as soon as well.

Packages for patients, sent by express, must be prepaid and addressed to them, care of the Hospital.

Friends will only be written to on the occurrence of serious illness or other important incidents, but all letters of inquiry, enclosing return postage, will be promptly replied to. Every such letter of inquiry should give the writer's post-office address and mention the patient's name in full.

Patients can be seen by their relatives any day except Sunday, from 9.30 to 11.30 A.M., and from 2 to 4 P.M., with permission from the Medical Superintendent. Should any friend, not a relative or guardian, wish to see a patient, such friend must have a written order from a near relative or guardian.

The general public are admitted to the Hospital on Tuesdays and Thursdays, between the hours of 9.30 and 11.30 A.M., and 2 and 4 P.M.

Contributions to the funds of the Hospital should be addressed to the Treasurer, Samuel Finley, Esq., Standard Building, Montreal.

All communications relative to the admission of patients, their condition, payment of board, etc., to be addressed to Dr. T. J. W. Burgess, Medical Superintendent, Protestant Hospital for the Insane, P.O. Drawer 2381, Montreal, Que.

Aitke
Alexa
Allan,
Allan,
Allan,
Angus
Armist
Ayer,
*Barcl
St. J
Beeme
Birks,
Bishop
Black,
Boas,
Bond,
Borlan
Bridg
*Brown
Ersk
Brown
Buchan
Buller,
Burlan
Burlan
Burlan
Burlan
Burlan
Burst
Campb
Cantlie
*Carnic
St. G
Carslak
Cassils,
Clarke,
Clearih
Cochra
Cochra
Coristin
Corneil
Cowans
Crather
Currie,
Currie,
Dawes,
Dawes,
Dewey,
Dobell,
Douglas
Dow, M
Dow, M
Drake,
Drumm
Earle, H
Esplin,
Evans,
Evans,
Eveleig
Ewing,
Ewing,
Finley,
*Represent

LIFE GOVERNORS.

- Aitken, Mrs. M.
 Alexander, Chas.
 Allan, Andrew.
 Allan, H. M.
 Allan, John.
 Angus, R. B.
 Armstrong, G. E., M.D.
 Ayer, A. A.
 *Barclay, Rev. Dr.
 St. Paul's Church.
 Beemer, H. J.
 Birks, Henry.
 Bishop, Geo.
 Black, Henderson, St Johns
 Boas, Feodor.
 Bond, E. L.
 Borland, W. F.
 Bridgman, Geo.
 *Brown, James.
 Erskine Church.
 Brown, Jonathan.
 Buchanan, W. J.
 Buller, F., M.D.
 Burland, G. B.
 Burland, Jeffrey H.
 Burland, Miss C. J.
 Burland, Miss, G. R.
 Burland, Mrs. G. B.
 Burstall, J., & Co.
 Campbell, F. W., M.D.
 Cantlie, J. A. *
 *Carmichael, Very Rev. Dean
 St. George's Church.
 Carslake, Geo.
 Cassils, Chas.
 Clarke, O. L.
 Clearihue, J. B.
 Cochrane, Hon. H. M.
 Cochrane, James.
 Coristine, James.
 Corneille, C. C.
 Cowans, Robert.
 Crathern, James.
 Currie, F. P.
 Currie, W.
 Dawes, J. P.
 Dawes, T. A.
 Dewey, Rev. F. M.
 Dobell, R. H., Quebec.
 Douglas, J. M.
 Dow, Miss.
 Dow, Miss Jessie.
 Drake, Walter.
 Drummond, Hon. G. A.
 Earle, Henry.
 Esplin, Geo.
 Evans, F. W.
 Evans, W. S.
 Eveleigh, Joseph.
 Ewing, A. S.
 Ewing, S. H.
 Finley, F. G., M.D.
 *Representatives of Churches.
- Finley, Samuel.
 *Fleck, Rev. James,
 Knox Church.
 Forsyth, R.
 Francis, Wm.
 Freeman, Major,
 Representing M.A.A. Assoc.
 Gardner, W., M.D.
 Gault, A. F.
 Gentle, W. S.
 Gould, O.
 Graham, Hugh.
 Greene, E. K.
 *Gurd, Chas.
 Emmanuel Church.
 Gurney, E. C.
 Hague, Geo.
 Hall, Robert.
 Hamilton, R.
 Hartt, G. F.
 Hersey, Randolph.
 Hiam, Thomas.
 Hodgson, Jonathan.
 Holden, J. C.
 Hope, John.
 Hopkins, J. W.
 Hutchison, A. C.
 Ives, H. R.
 James, Enoch.
 Jones, R. A. A.,
 London, Eng.
 Langwill, Mrs. R.
 Lawrence, W. V.
 Learmont, J. B.
 Lighthall, W. F.
 Lighthall, Mrs. W. F.
 Linton, James.
 Lovejoy, G. W., M.D.
 Lyaal, Peter.
 Lyman, A. C.
 Mann, W.
 Masterman, Wm.
 Mathewson, J. A.
 Most, Robert.
 Molson, John T.
 Molson, Mrs. J. H. R.
 Molson, Mrs. John T.
 Molson, W. A., M.D.
 Moore, James.
 Morton, Henry.
 Mount-Stephen, Lord.
 Mussen, H. S.
 Macaulay, R.
 MacCallum, D. C., M.D.
 Mackay, Robert.
 Mackenzie, Hector.
 McArthur, Colin.
 McBride, James.
 McDonald, Sir W. C.
 McDougall, Mrs John.
 McIntyre, Duncan.
 McIntyre, W. C.
- McLennan, Hugh.
 Nelson, A. D.
 Ogilvie, W. W.
 Ogilvy, J. A.
 Orkney, Miss E.
 Paterson, Alex.
 Paton, Hugh.
 Paton, Jas.
 Patterson, John.
 Perry, Alfred.
 Price Bros. & Co., Quebec.
 Prowse, G. R.
 Ramsay, W. M.
 Reford, Robt.
 Reid, R. G.
 Reid, Robt.
 Reid, Mrs. Robt.
 Reid, Wm.
 *Robertson, David.
 Crescent Street Church.
 Robertson, James.
 Roddick, T. G., M.D.
 Rutherford, Wm.
 Sadler, G. W.
 Scholes, F.
 *Shaw, Rev. Principal, L.L.D.
 Dom. Sq. Methodist Ch.
 Shearer, James.
 Simpson, J. Cradock.
 Sims, A. Haig.
 Smith, G. F. C.
 Smith, R. A.
 Smith, R. Wilson.
 Smith, Wm.
 Spindle, T.
 Stearns, T. H.
 Stephens, Hon. G. W.
 Stewart, Jas., M.D.
 Stirling, John.
 Strachan, Wm.
 Strathcona, Lord.
 Tasker, James.
 Tatley, Wm.
 Taylor, Andrew T.
 Taylor, Mrs. A. T.
 Thomas, F. Wolferstan.
 Thomas, Mrs. F. Wolferstan
 Thomson, Edwin.
 Tooke, Benj.
 Trenholme, T. A.
 Wanless, John, M.D.
 Ward, Hon. J. K.
 Ward, Mrs. J. K.
 Whelan, J. P.
 Whitley, Fred.
 Willet, S. T.
 Willis & Co.
 Wilson, Daniel.
 Wilson, J. C.
 Wilson, James.
 Wisor, J. P.

ELECTIVE GOVERNORS FOR 1899.

ARNOTT, MRS. C. M.
BALLANTYNE, JAMES.
BOND, HIS LORDSHIP BISHOP.
BOWES, ALEX.
BRYSON, HON. GEORGE.
CARSLY, S.
CHRISTMAS, T. H.
COX, EDWIN A.
CURRIE, JAMES.
CURRIE, WILLIAM.
DRYSDALE, WM.
EWING, WM.
FERNS, J. HAMILTON,
Rep. Irish Prot. Ben. Society.
FINLAY, DAVID, Sorel.
GATEHOUSE, HENRY.
GILLIES, W. B., Buckingham.
HISLOP, D. S.
HOSMER, C. R.
HOULE, JOSEPH.
HUGHES, J. W.

MACKAY, ABRAHAM.
MATHEWSON, W. B.
MOREY, J. T.
MUNDERLOH, HENRY.
MCFARLANE, DAVID.
MCLAREN, DAVID W.
MCNIDER, JOHN, Little Metis.
POUSTIE, JAMES.
REDFERN, J. H.
ROBERTSON, FARQUHAR.
ROSS, W. G.
RUTHERFORD, THOS. J.
SCHEERMAN, J.,
Rep. Hebrew Society.
SHAW, JOHN.
SIMPSON, JAMES.
SLESSOR, JAMES.
TRENHOLME, C. W.
WALKER, DAVID.
WALKER, JAMES, JR.
WILSON, JOHN W.

Hon.-President, ALFRED PERRY.

Past President, HON. J. K. WARD.

BOARD OF MANAGEMENT FOR 1899.

| | |
|-----------------------------|-----------------------|
| <i>President</i> , | F. WOLFERSTAN THOMAS. |
| <i>1st Vice-President</i> , | CHARLES ALEXANDER. |
| <i>2nd Vice-President</i> , | J. C. WILSON. |
| <i>Treasurer</i> , | SAMUEL FINLEY. |
| <i>Hon.-Secretary</i> , | ROBERT REID. |
| <i>Secretary</i> , | JAMES BROWN. |

BOND, HIS LORDSHIP BISHOP.
BARCLAY, REV. JAMES, D D.
CARMICHAEL, DEAN,
STEARNS, I. H.
ESPLIN, GEO.
PROWSE, GEO. R.
BOND, E. L.
SADLER, G. W.
WARD, HON. J. K.
LYALL, PETER.
DILLON, JOHN.
STEWART, DR. JAS

MOORE, JAMES.
MCBRIDE, JAMES.
MCARTHUR, COLIN.
LOVEJOY, DR. G. W.
REID, WILLIAM.
WILSON, DANIEL.
CRATHERN, JAS.
TOOKE, BENJ.
WILSON, JAMES.
HAGUE, GEO.
PATON JAMES.
BURLAND, JEFFREY HALE.

HOUSE COMMITTEE.

SADLER, G. W.
LYALL, P.
BOND, E. L.
ROBERTSON, DAVID.

ESPLIN, GEO.
STEARNS, I. H.
WILSON, DANIEL.
WILSON, JAMES.

And the Executive Officers.

OFFICERS OF THE INSTITUTION.

Medical Superintendent:

T. J. W. BURGESS, M.B., F.R.S.C.

Assistant Superintendent:

J. V. ANGLIN, M.D.

Consulting Surgeon:

G. E. ARMSTRONG, M.D.

Consulting Physician:

F. G. FINLEY, M.D.

Gynecologist:

F. A. L. LOCKHART, M.B., Edin.

Pathologist:

J. A. MACPHAIL, M.D.

Matron:

VICTORIA ORR.

Male Chief Attendant:

J. MONTGOMERY.

Female Chief Attendant:

LIZZIE GURD.

Engineer:

W. ARMSTRONG.

Farmer:

ALEX. CHALMERS.

Carpenter:

T. HALSEY.

Al
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Ch
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G.
Da
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Dr
E.
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ATTENDANCE OF BOARD OF MANAGEMENT.

26 Meetings in 1898.

| | |
|---|----|
| Alfred Perry, <i>Hon. President</i> | 6 |
| Hon. J. K. Ward, <i>Past President</i> | 12 |
| F. Wolferstan Thomas, <i>President</i> | 17 |
| (Mr. Thomas was on leave of absence from May till October.) | |
| Charles Alexander, <i>1st Vice-President</i> | 22 |
| J. C. Wilson, <i>2nd Vice-President</i> | 6 |
| Samuel Finley, <i>Treasurer</i> | 15 |
| Robert Reid, <i>Hon. Secretary</i> | 22 |
| James Wilson | 25 |
| I. H. Stearns | 21 |
| Geo. Esplin | 21 |
| G. R. Prowse | 21 |
| Daniel Wilson | 19 |
| Colin McArthur | 15 |
| Dr. Geo. W. Lovejoy | 12 |
| E. L. Bond | 12 |
| Peter Lyall | 10 |
| Geo. W. Sadler | 10 |
| John Dillon | 9 |
| David Robertson | 6 |
| James Moore | 5 |
| James McBride | 5 |
| Rev. Dr. Barclay | 2 |
| A. D. Nelson | 1 |
| J. H. Burland | 1 |
| R. Wilson Smith | 0 |
| Wm. Reid | 0 |
| His Lordship Bishop Bond | 0 |
| George Hague | 0 |
| Very Rev. Dean Carmichael | 0 |

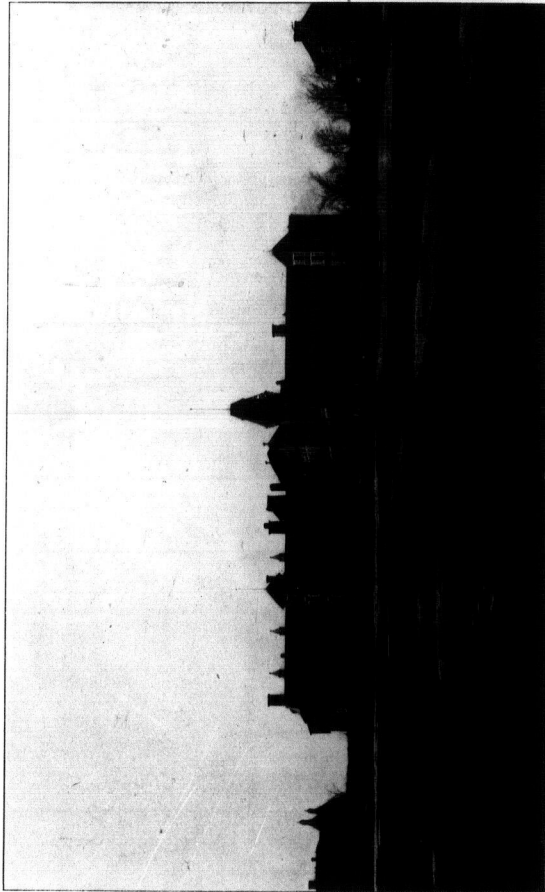
Average attendance, 11 each meeting.

SUBSCRIPTIONS FROM 1st FEBRUARY, 1898, TO 1st FEBRUARY, 1899.

| | | | |
|--|----------|---|--------|
| Arnott, Mrs. C. M. | \$ 15 00 | Ladies' Hebrew Benevolent Society | 5 00 |
| Askew, E., collection box. | 2 51 | Langwill, Mrs. | 25 00 |
| Ballantyne, James | 10 00 | Mathewson, W. B. | 10 00 |
| Bond, His Lordship Bishop | 10 00 | Morey, J. T. | 10 00 |
| Bond, E. L. | 25 00 | Munderloh, Henry | 10 00 |
| Bowes, Alex. | 10 00 | McArthur, Colin, value for. | 148 80 |
| Bryson, Hon. George | 50 00 | McDonald, Sir Wm. | 150 00 |
| Canada Paint Co. | 10 00 | McFarlane, David | 10 00 |
| Carsley, S., Co. | 25 00 | McLaren, David W. | 10 00 |
| Christmas, T. H. | 25 00 | McLea, J. McK. | 5 00 |
| City Office collection box. | 10 26 | McNider, John | 100 00 |
| Clark, O. L. | 25 00 | Patterson, John | 200 00 |
| Coristine, James, & Co. | 50 00 | Petite Cote Mission | 32 00 |
| Craig, Hugh | 3 00 | Poustie, James | 10 00 |
| Crathern, James | 25 00 | Redfern, J. H. | 10 00 |
| Currie, James | 10 00 | Robertson, Farquhar | 25 00 |
| Currie, Wm. | 10 00 | Ross, W. G. | 10 00 |
| C.P.R. Telegraph Office box | 3 40 | Rutherford, Thos. J. | 10 00 |
| Cheney, Mrs. Mary | 50 00 | Shaw, John | 10 00 |
| Cox, Edwin A. | 25 00 | Simpson, James | 10 00 |
| Dawes, T. A. | 25 00 | Slessor, James | 10 00 |
| Dow, Miss Jessie | 110 00 | Smith, G. F. C. | 20 00 |
| Dow, Miss Mary | 100 00 | Spindlo, Thomas | 10 00 |
| Drysdale, Wm. | 10 00 | St. Barnabas Church, St. Lambert | 9 00 |
| Erskine Church, Part Thanksgiving, per James Roger | 133 50 | Taylor, A. T. | 100 00 |
| Ewing, Wm., & Co. | 10 00 | Thanksgiving Service, Richmond. | 25 00 |
| Finlay, David, Sorel | 50 00 | Thanksgiving Service, Valleyfield | 8 78 |
| Friend, A, Valleyfield | 2 50 | Thanksgiving Service, Hemmingford | 10 29 |
| Gatehouse, Henry | 10 00 | Thanksgiving Service, St. Andrews, Que. | 12 50 |
| German Society | 20 00 | Thanksgiving Service, Lachute | 25 39 |
| Gillies, W. B., Buckingham. | 10 00 | Thanksgiving Service, Melbourne | 9 00 |
| Hiam, Thomas | 300 00 | Trenholme, C. W. | 10 00 |
| Hislop, D. S. | 10 00 | Walker, David | 10 00 |
| Holiday, Wm. M., Rawdon | 3 00 | Walker, James, Jr. | 10 00 |
| Hope, John | 10 00 | Wilson, John W. | 10 00 |
| Hosmer, C. R. | 20 00 | Young Men's Hebrew Benevolent Society | 20 00 |
| Houle, Joseph | 10 00 | | |
| Hughes, J. W. | 10 00 | | |
| Irish Protestant Benevolent Society | 25 00 | | |
| "J" | 100 00 | | |
| Ladies' Aid St. Gabriel Ch., per Miss Bertram | 20 00 | | |
| Ladies' Dorcas, Knowlton. | 10 00 | | |

1899.

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ANNEX.

MAIN BUILDING.
GENERAL VIEW.

INFIRMARY.

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TWELFTH ANNUAL REPORT OF THE GOVERNORS OF THE PROTESTANT HOSPITAL FOR THE INSANE.

To the President, Governors and Subscribers of the Protestant Hospital for the Insane, Verdun :—

GENTLEMEN,—The Board of Management have the honour of presenting herewith the Twelfth Annual Report of the Protestant Hospital for the Insane at Verdun, which covers the ninth year since it opened for actual work.

The Medical Superintendent's report is herewith appended, and is, as usual, very comprehensive in all its details and tabulated statements, and, on the whole, very satisfactory. The Auditor's report and financial statements are also submitted.

From the Medical Superintendent's report, we find that the admissions for the year were 110, while last year they were 130; 54 per cent. of these came from the City of Montreal and County of Hochelaga, while 67 per cent. were of Canadian birth. Intemperance was ascribed in seven per cent. of the admissions as the cause of insanity, and the physiological changes which come with old age accounted for nine per cent. The oldest patient admitted was 85, and the youngest eight years of age. Heredity was traceable in 53 per cent. of the cases brought in.

The average number of patients for the year was 316.47, as against 286.54 last year. The yearly increase in population has been steady ever since the Hospital opened, but we do not think because of that, we are to conclude that insanity is on the increase; we rather attribute the filling up of our wards to the fact that the knowledge of the existence of the institution and of the good work it is doing has become more general, so that patients who were formerly hidden away and cared for in private, at great inconvenience and discomfort to both the friends and the afflicted, are now committed to the care of Dr. Burgess and his staff, to the unquestionable benefit of both.

The total discharge rate on admissions was 58.18, almost the same as in 1897, when it was 58.46, but the recovery rate was much higher, being 43.63, as against 31.53 per cent. Of those discharged, 71 per cent. had been insane less than three months prior to admission—a very forcible illustration of the advantage of early medical treatment for mental disorders—an advantage which Dr. Burgess has never failed to present when opportunity offered.

The death rate was low, being 5.58 per cent. on the number under treatment, as against 8.23 per cent. in 1897.

The system of non-restraint and parole continues, and grows in favour with the Medical Staff. Although many of the patients have daily access to tools that could easily be converted into offensive weapons, there has not yet been occasion to record a single accident, showing that a careful surveillance of those patients known to have suicidal or homicidal tendencies is a much better safeguard than placing them under restraint.

Of the large number who enjoy parole—going about the grounds unattended, and in some cases even into the city—there have been only four cases where good faith has been broken. The sense of being trusted is of incalculable benefit to most of them; and there are not a few unpromising cases in which the beginning of recovery can be directly traced to an acceptance of their word of honour.

Dr. Burgess again points out the great advantage that would ensue had we proper workshops with skilled instructors for the employment of patients. In the absence of these, however, and realizing the very beneficial effect that occupation has in the treatment of mental diseases, he has yet been able to occupy about 69 per cent. of the inmates.

FINANCIAL STATEMENT.

The revenue for the year, exclusive of subscriptions and donations paid to Treasurer, was \$55,392.16, made up as follows:—

| | |
|---|-------------|
| From the Government for public patients . . . | \$33,980 46 |
| From private patients | 18,991 16 |
| Interest on endowments | 1,736 70 |
| Articles sold | 683 84 |

\$55,392 16

This is an increase in revenue over that for 1897 of \$4,011.65.

The maintenance expenditure was \$61,211.39. It will thus be seen that the ordinary revenue has fallen short of the expenditure for maintenance by \$5,819.23.

Based upon these figures, the per capita cost per annum for maintenance was \$193.41, as against \$178.46 for the previous year, being at the rate of a trifle less than 53 cents a day per patient. This rate of maintenance, including, as it does, private patients, is not regarded by the Medical Superintendent as excessive compared with that of many of the insane hospitals elsewhere. In view, however, of the increased expenditure over that of the previous year, he suggests the preparation of a comparative statement to show where it occurs, and, in connection with this most important ques-

tion, he reiterates the views he has always held, viz., that to conduct the hospital in the best and most economical manner possible, there should be a thoroughly capable accountant, with office at the hospital—one who would be in daily touch with all departments of the institution. The Doctor's recommendations on this point should, and no doubt will, be taken up by the incoming Board and duly considered.

The Auditor's statement for the year shows a deficit of \$2,689.44 on current expenses, leaving capital with a credit of \$206,281.47.

The assets are \$417,492.78, made up as follows:—

| | |
|---|--------------|
| Grounds, buildings, furnishings, etc. | \$338,094 18 |
| Fuel, machinery, implements, etc. | 32,441 34 |
| Provincial Government, board due | 12,743 05 |
| Board from private patients | 449 40 |
| Endowments. | 33,764 81 |
| | \$417,492 78 |

The liabilities are \$211,211.31, made up as follows:—

| | |
|-------------------------------|--------------|
| Bonds | \$185,000 00 |
| Interest on coupons | 4,252 50 |
| Sundry creditors | 2,521 19 |
| Cottage fund | 100 00 |
| Cash overdraft | 19,337 62 |
| | \$211,211 31 |

Farm products, as per detailed statement, show a value of \$6,845.61, as against \$6,411.28 for last year.

The usual amusement and entertainment at Christmas and holiday times; and at regular intervals during the winter, have been continued as heretofore, and the Board would here record their thanks to the various musical and dramatic organizations which from time to time have gratuitously given their services in this connection.

The Infirmary, which was referred to in last year's report as being just completed, has since been occupied, under the charge of a trained General Hospital nurse, and has proved a great boon to the Institution, enabling the staff to give that proper attention to medical and surgical cases which they require, and which could not be had in the regular wards of the Hospital.

Through the generosity of Mr. George B. Burland, the Hospital, during the past year, has received a most complete and valuable equipment for a Pathological Laboratory. The basement of the Infirmary has been fitted up for the purpose by our own workmen, under the direction of Dr. MacPhail, Pathologist of the Hospital, and the valuable instruments and other equipment are now in the Labora-

tory ready for work. Dr. MacPhail's report in connection with this Department is submitted with the others, and is detailed and precise in all pertaining to his Department. It is the opinion of the Medical Staff that valuable pathological and bacteriological work will be done in this Department during the present year.

Alterations and improvements have been made during the year for the better accommodation of the help and for the administration of the Hospital, not the least among these being the removal entirely of the Smead-Dowd furnaces from the women's wing and the substitution for same of steam coils, supplied from the boiler-house, thereby materially lessening the risk from fire and doing away with the dirt and dust constantly arising from the shovelling of coal in the basement.

Your Management feel also that by this change a large saving in fuel will be effected and advise a similar change to be made in the main building with all possible despatch. When that is done, all of the hospital buildings will be heated by steam from the one source—the boiler-house—thereby reducing the fire risks to the minimum and effecting a very substantial saving in the item of coal.

Three months ago a re-adjustment of the insurance was made, and a reduction in the rate from \$1.85 to \$1.55 was secured, thereby effecting a saving of \$600 in premiums. To secure this, however, we had to comply with recommendations made by the Fire Underwriters' Inspector for even better fire protection than that which existed, and as part of the improvement, your Board are at present engaged in the installation of a new Underwriters' fire pump with a capacity of 750 gallons—this is to be connected with the underground water tanks, and a system of hydrants about the grounds, one of which is already in place.

During the past year a plan by Mr. C. Goad, C.E., was made, showing the exact position of all the buildings, their construction, drains, steam and water pipes, etc., etc., supplying a want long felt.

Dr. Burgess, in naming the requirements, enumerates a nurses' home, a detached residence for the Medical Superintendent, cottages for married employees, increased workshop accommodation, a summer-house for female patients and a greenhouse.

A new detached kitchen and the conversion of the present kitchen into dining-room space is a thing most desired—in fact, a necessity—and a matter now in the hands of a sub-committee to deal with.

The grounds have been kept in admirable condition all summer, and the general appearance of the front and approaches was most attractive. To the late Mr. Frank Roy we are deeply indebted for this result. He was untiring and attentive beyond measure in directing and laying out the work, and, as Dr. Burgess justly remarks,

"the charming prospect now presented in front of and around the hospital will ever form a monument to his well-known ability as a landscape gardener." The Board desire here to record their deep sorrow at his death, and to express their heartfelt sympathy with his family in their bereavement.

The contract with the Government for maintenance expired on the 1st of July last, and a new one has been entered into, covering a period of ten years from that date, and based on the same conditions as the last one. The deed of guarantee for the payment by the Government of the interest on the \$185,000 of bonds which we have out, was also renewed at the same time for a like period.

The regular official visits have been made by the Government Inspectors and the Grand Jury, and all recorded very favourable reports.

In the early summer, at the instance of the Board, His Honour Lieutenant-Governor Jetté was invited to visit the Hospital officially. The invitation was accepted, and on the 3rd of October last he, accompanied by his ladies and the following members of his Government, Hon. Mr. Marchand (Premier), Hon. Mr. Robidoux, Hon. Mr. Archambault and Hon. Dr. Guerin, paid the promised visit. They made a thorough inspection of all parts of the Hospital, spending some hours there, and expressed themselves as delighted with all they saw—the condition of the Institution and its inmates.

The semi-annual meeting of the Medico-Psychological Society of Quebec was held at the Hospital on the 15th October. At the close of the meeting a highly complimentary resolution was passed by the members, congratulating the physicians in charge and others on the management and condition of the Hospital.

Your Board have, for the past two years, felt that owing to the steady increase in population, and the responsibilities consequent thereto, they would be justified in asking the Government for additional medical help.

The President took the matter up, and, as a consequence, we have had two different interviews with the Government and considerable correspondence.

Notwithstanding all our efforts, however, the Government remain obdurate and decline to accede to our reasonable request, and we bring this matter to your notice now, in order that the influence and voice of every Governor, individual and collective, may be brought to bear on the Government in the most forcible manner possible, to the end that they may not evade such a just and reasonable responsibility.

I quote from the last letter sent them on the subject, in order to explain the attitude of your Board on this question :—

"Dear Sir,—We learn with regret that the Government have declined to accede to the reasonable petition which the representatives of the Protestant Hospital for the Insane had the privilege of presenting to it some weeks ago, asking for the appointment of an additional medical officer at a salary of, say, six hundred dollars, and an increased emolument to the two medical officers at present doing duty—say, for Dr. Burgess, \$500, and for Dr. Anglin, \$250.

"Notwithstanding the above decision, we have the temerity, on behalf of the Board, to respectfully renew the application and request the Government to give it a re-consideration. We are the more strongly persuaded to do this because of the reasonableness and justice of the request, intensified and made stronger, we think, when the amount and character of the work which the institution has done and is doing is fully considered.

"The Medical Staff is sorely tried with its present responsibilities. The two officers live on the premises, and are on duty both night and day, and, should sickness overtake either, they would have to depend on the friendly assistance of a confrere for the time being.

"This condition of affairs, as compared with the latitude which your medical staff in other similar institutions enjoys, makes the claim all the stronger, for they, with larger salaries, are not only entirely free from night work, but are allowed to practice their profession outside during the day as well.

"The tax upon the Government is a mere bagatelle when you consider what the Institution accomplishes.

"The Government have been good enough to guarantee the interest on \$185,000, which sum has been expended on the buildings; but this amount represents only the smallest portion of the outlay, for, in addition, the sum of \$260,000 has been contributed. This money has been put there, not as a business venture, not as an investment looking for a cash dividend, but merely as an expression of the broad sympathy which possessed the generous public who subscribed this money to help on the great philanthropic work which goes on in the Institution.

"When you take into account the number of patients cared for, the number discharged cured, and the number on trial, we venture the assertion that this Institution is far less of a tax upon the Government than any similar one in the country.

"The application for additional help is so reasonable, and the necessity for having it so manifest, that we feel certain a further consideration of the petition as at first presented will induce your Government to accede to this reasonable and modest request."

Your Board are very reluctant to drop this question without succeeding, in view of the manifest righteousness of the claim, strength-

ened, as it is, by the generous contribution of \$260,000 above named, which amount is really a saving to the Government to that extent. We, therefore, hope for all the influence the Governors can exercise to aid in securing to the Hospital this just and reasonable request.

Portraits of Mr. Alfred Perry, the Hon. J. K. Ward and Mr. Chas. Alexander (all prominently identified with the Institution) have been presented, and placed in the entrance-hall of the Hospital during the past year.

The Medical Staff enjoy the entire confidence of the Board, and we think the Institution fortunate in having two such efficient officers. Within the past two months the Dominion Government summoned Dr. Burgess, with Dr. Lett, of Guelph, to report upon the sanity of a prisoner in Winnipeg who was under sentence of death (a most serious and responsible obligation). It shows, however, the high appreciation, as an alienist, in which Dr. Burgess is held. As President of his section of the Royal Society of Canada, his address at their meeting, held last May, and now published in pamphlet form, is most valuable. In it he has given to Canada a most complete and carefully compiled history of all the institutions that have been started for the care of the insane in this country.

Dr. Manchester, as Assistant Medical Superintendent, retired last May, and was succeeded by Dr. Anglin, the present incumbent.

We record, with sorrow, the deaths of Mr. Gilman Cheney (Life Governor), and Mr. W. W. Lockerby and Mr. A. T. Wiley (Elective Governors).

We have to acknowledge, with thanks, the deep obligation we are under to all the kind-hearted friends who have contributed in kind and otherwise. Our thanks are also due to the publishers of the daily papers at home and abroad for their gratuitous supply.

The staff have worked in harmony with the Medical Superintendent, and all faithfully discharged their duties.

The retiring Governors are Messrs. William Reid, Daniel Wilson, R. Wilson Smith, David Robertson, James Wilson, George Hague, A. D. Nelson and Jeffrey H. Burland, all of whom are eligible for re-election.

We beg to acknowledge, with gratitude, the following bequests:—

| | |
|---------------------------------------|------------|
| Estate late Robert Anderson | \$3,600 00 |
| Estate late W. J. Withell | 1,800 00 |

All respectfully submitted,

ROBT. REID,
Hon. Secretary.

ENDOWMENT STATEMENT.

The following are the several permanent funds of the Hospital,
accompanied by lists of the securities in which they are invested.

THE FREDERICK FROTHINGHAM MEMORIAL FUND.

(Gift of Mrs. John H. R. Molson.)

| | |
|--|-------------|
| 30 shares Merchants Bank stock | \$4,851 75 |
| 63 " Molsons " " | 5,236 87 |
| | \$10,088 62 |

THE MATTHEW CAMPBELL FUND.

(Gift of Messrs. James Spier and Robt. W. Kerr, Executors.)

| | |
|---|------------|
| 7 shares Merchants Bank stock | \$1,150 25 |
| 23 " Molsons " " | 1,913 87 |
| | \$3,064 12 |

SPECIAL ENDOWMENT FUND.

(Gift of a Lady Friend, name not given.)

| | |
|--|------------|
| 15 shares Merchants Bank stock | \$2,463 75 |
| 30 " Molsons " " | 2,553 75 |
| | \$5,017 50 |

1895 ENDOWMENT FUND.

(Bequests of the undermentioned.)

| | |
|-------------------------------|----------|
| Jno. J. Arnton | \$360 00 |
| Mrs. Sargeant | 250 00 |
| Ann Doherty | 270 00 |
| Evan Fisher Ames | 450 00 |
| Elizabeth H. Rogers | 45 00 |

Represented by 15 shares Molsons Bank stock \$1,344 37

1896 ENDOWMENTS.

| | |
|------------------------------------|------------|
| Miss E. C. Orkney..... | \$6,000 00 |
| Estate John C. Watson..... | 1,800 00 |
| “ Mrs. Buckland..... | 900 00 |
| “ Mrs. Rintoul..... | 450 00 |
| “ George Childs..... | 450 00 |
| “ Miss M. S. Hird..... | 450 00 |
| “ Matthew Campbell, 2nd donation.. | 255 57 |
| “ Wm. McNaughton..... | 50 00 |

 \$10,355 57

Represented by 86 shares Montreal Gas Co.'s stock and 66 shares
Montreal Telegraph Co. stock.

1897 ENDOWMENTS.

| | |
|--|------------|
| John Thomas Molson, in memory of the late H. R. Molson..... | \$5,000 00 |
| Estate A. C. Leslie..... | 900 00 |

 \$5,900 00

Represented by 55 shares Montreal Telegraph stock.

1898 ENDOWMENTS.

| | |
|-----------------------------|------------|
| Estate Robert Anderson..... | \$3,600 00 |
| “ W. J. Withell..... | 1,800 00 |
| Still to be invested..... | \$5,400 00 |

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NINTH ANNUAL REPORT OF THE MEDICAL
SUPERINTENDENT.

To the President and Board of Management :—

GENTLEMEN,—The ninth annual report of the operations of the Hospital, being for the year ending December 31st, 1898, is hereby respectfully submitted :—

GENERAL STATISTICS.

| | Men. | Women. | Total. | Men. | Women. | Total. |
|---|-----------|-----------|-----------|------------|------------|------------|
| In residence January 1st, 1898 | 159 | 140 | 299 | | | |
| Out on trial January 1st, 1898 | 2 | 1 | 3 | | | |
| Admitted during 1898 | 59 | 51 | 110 | | | |
| Total under treatment in 1898 | | | | 220 | 192 | 412 |
| Discharged during 1898 : | | | | | | |
| As recovered | 28 | 20 | 48 | | | |
| As improved. | 4 | 4 | 8 | | | |
| As unimproved. | 5 | 3 | 8 | | | |
| Total discharged in 1898 | 37 | 27 | 64 | | | |
| Died during 1898. | 16 | 7 | 23 | | | |
| Escaped during 1898. | 1 | 0 | 1 | | | |
| Discharged on trial and still out on trial December 31st, 1898 | 1 | 0 | 1 | 55 | 34 | 89 |
| Remaining in residence Dec. 31st, 1898 | | | | 165 | 158 | 323 |
| Percentage of discharges on admissions | | | | | | 58.18 |
| Percentage of recoveries on admissions. | | | | | | 43.63 |
| Percentage of deaths on number under treatment.. | | | | | | 5.58 |

ADMISSIONS.

The admissions for the year were twenty less than in 1897, and comprised 42 private and 68 public patients.

Of those received, about 54 per cent. came from the City of Montreal and County of Hochelaga, while 67 per cent. were of Canadian birth. Among private patients, five were from Ontario, two from Prince Edward Island, and three from the United States.

In seven per cent. intemperance was the ascribed cause, and the physiological changes accompanying old age were accountable for nine per cent.

Eleven of the cases admitted were over fifty years of age, fifteen over sixty, three, over seventy, and two over eighty. The oldest patient received was 85 and the youngest 8. To the reception of the latter case, an utterly helpless idiot boy, unable to walk or stand, I

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Total.

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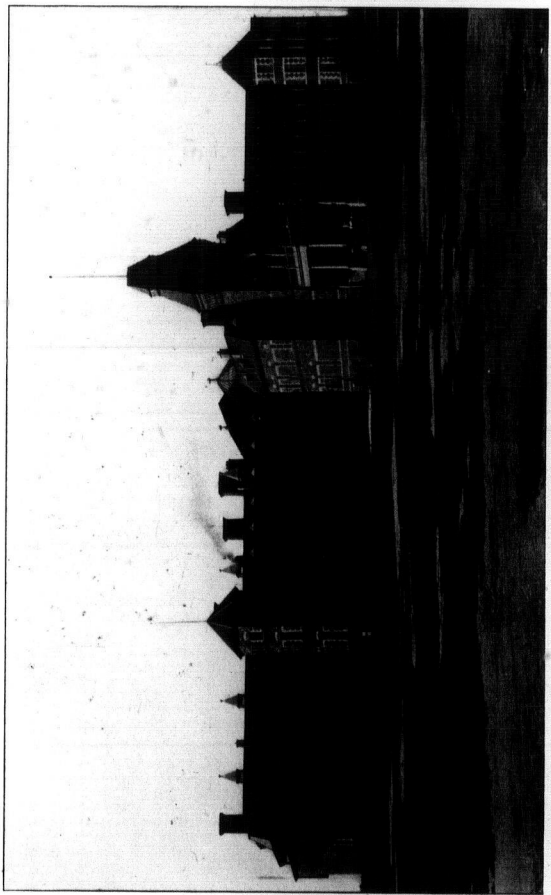
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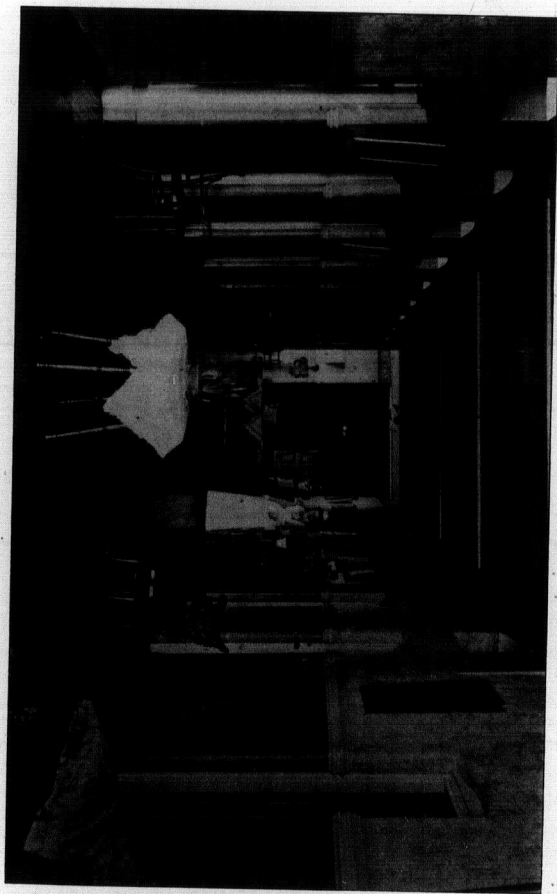


MAIN BUILDING.

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made strenuous objections ; but the law allowing no option in such cases when the patient is epileptic, as in this instance, I was finally obliged to accept him once the papers were properly filled out. To provide for his safety, I have ever since his admission had to keep him on the female wards, he being almost as helpless and requiring fully as much attention as an infant in arms.

Heredity was traceable in 53 per cent. of the cases brought in, while in 10 per cent. no information bearing on this point was obtainable.

In 32 of the 110 admissions the mental disorder had existed from one to thirty years. Five cases were congenital, and two were of unknown duration.

The maximum number of patients in residence was 329, and the minimum 297, while the daily average population was 316.47.

DISCHARGES.

The total discharge rate on admissions was 58.18 per cent., almost the same as in 1897, but the recovery rate was much higher, being 43.63 per cent., as against 31.53 per cent.

Of those discharged recovered, 71 per cent. had been insane less than three months prior to admission, a forcible illustration of the great importance of early hospital treatment in mental disorders.

The average length of residence of those discharged was about nine months. The shortest time under treatment was twenty-two days, the longest five years, four months and two days. Both these cases left the Hospital recovered ; the latter, a case of chronic mania and one of our most troublesome patients, being especially noteworthy, as showing that recovery from certain forms of brain disease is not to be entirely despaired of, even after very long periods of suffering.

DEATHS.

The death rate for the year was low, being only 5.58 per cent. on the number under treatment, as against 8.23 per cent. in 1897.

As usual, phthisis was the most frequent cause of decease, accounting for 26 per cent. of the total number of deaths, while to general paralysis was due 17 per cent.

The average length of residence of those who died was a little less than three years, and their average age, a little less than forty-eight years.

RESTRAINT AND PAROLE.

Each year of experience but strengthens my belief in the efficacy of non-restraint and increased freedom, showing the wisdom and comparative safety of extending liberties to patients that in former years would have been deemed unsafe. It has been urged that the

granting of increased freedom must necessarily be attended with increased danger to other patients and to the employees, but I venture to assert that such casualties are fewer than in most of the hospitals where greater restrictions are in force, and do not exceed the number occurring in any sane community of equal size. Many of our patients have daily access to tools that could easily be converted into offensive weapons, yet I have not a single accident to record. A careful surveillance of those of known suicidal or homicidal tendencies is a better safeguard than placing them in restraint.

The privilege of going about the grounds unattended has been accorded to a large number of the inmates, while a few have been allowed to go alone to the city. These favours have been granted on a simple promise not to leave the grounds, or to return to the Hospital at a certain time, and in only four instances has the parole been broken. Far better to run the risk of an occasional escape than to restrict the freedom of patients. The sense of being trusted is of incalculable benefit to most of them, and there are not a few unpromising cases in which the beginning of recovery can be directly traced to an acceptance of their word of honour.

OCCUPATION.

Without proper workshops and skilled instructors, it is no easy task to furnish suitable employment for our patients. Both the physical and mental conditions must be taken into account, the chief aim being to make the work subservient to the patient's welfare. Fully realizing, however, the beneficial effects of occupation in the treatment of mental disorders, no effort has been spared to enlist as large a number as possible of our unfortunate charges in some form of useful employment, though no patient is forced to work against his will. Our endeavours have resulted in the helpful occupation of about 69 per cent. of our population.

Much of the work on the farm and in the garden, as well as at road-making, has been done by the inmates, while a considerable number have been engaged with the carpenter, engineer and painter. The labour of the patients has also been largely utilized in the kitchen, dining and sewing-rooms, and on the wards at scrubbing, dusting, polishing floors, etc.

In labour of this kind, it is true, the individual does not accomplish much, but the aggregate of work done during the year amounts to a great deal, while the benefit to the general well-being of the patients is inestimable.

(For a partial record of work done on the wards and in kitchen see Statistical Tables 21 and 22.)

AMUSEMENT.

The usual efforts to furnish amusement for the patients have been continued, officers, attendants and employees willingly and energetically contributing to the various means of entertainment.

The weekly dances and concerts held during the winter months have been thoroughly enjoyed as heretofore, and have done much to aid the mental improvement of not a few. In the case of the former, while but a comparatively small proportion of the whole number of patients take part in the exercise, a great many, especially of the elderly, enjoy attending, looking on, and partaking of the coffee and cakes which follow the dance.

The Christmas entertainment and annual sports are perhaps the most important of the year's amusements. These occasions are ones of general festivity, when everyone unites in special efforts for the happiness of all. At Christmas, circulars to the number of nearly five hundred were sent to the friends of all patients whose addresses were known, requesting some gift, no matter how trifling, by the presentation of which their afflicted ones might be reminded that they were not entirely cut off from the outside world. These circulars were liberally responded to, nor were the friendless inmates forgotten. All received presents from the Christmas-tree, the distribution being followed by a dance, which was thoroughly enjoyed.

The Annual Sports of 1898, held September 17th, were more of a success, if possible, than ever before. The patients entered more keenly into the various contests, and every winner, down to fourth and fifth places, was awarded a handsome prize, monetary or otherwise, generously contributed by our friends in the city. The show of needle and fancy work by the female patients, made at the same time, and for which prizes were also given, was excellent.

Thanks to a small surplus from these games, we were enabled, during the past autumn, to inaugurate a new form of amusement in the shape of theatre-parties. Tickets were purchased, and orderly and convalescing patients, to the number of eight or ten each week, were sent in charge of attendants to the matinees given at the different theatres. In no case has there been even a sign of disorder or attempt at escape, and all who have yet gone speak in delighted terms of the pleasure afforded them.

On the wards, billiard, card, draught and chess-playing have been freely indulged in, while many of the patients keenly appreciate the newspapers and reading matter furnished from the library. In this connection, it might not be amiss to remind our many friends and well-wishers that there is still much vacant space on our library shelves, and that presents of books, or reading matter of any kind, are always welcome.

To the givers of the following entertainments I would, on behalf of our patients, tender my warmest thanks :—

January 7th.—Concert and theatricals by Miss Hollinshead, Mr. R. O. Thicke and friends.

January 27th.—“Sarah's Young Man,” by St. Lambert Amateur Dramatic Club.

February 3rd.—Vaudeville entertainment by Primrose Lodge Sons of England Benefit Society.

February 25th.—Musical farce and concert by Acme Musical Comedy Company.

March 7th.—Concert by Mr. G. H. Flint and friends.

March 8th.—Illustrated lecture, “A trip across the Rockies to the Golden Gate,” by Mr. T. Chambers and Mr. Beaman.

March 17th.—Concert by Y.P.S.C.E. of St. Matthew's Church.

March 25th.—Concert by Mr. T. Copping and friends.

April 14th.—Concert by Mr. J. Ritchie Bell and friends.

December 5th.—Concert by Mr. E. Quivron and Victoria Rifles Orchestra.

December 15th.—Theatricals and concert by Mr. R. O. Thicke, Miss Hollinshead and friends.

December 19th.—Concert by Rabbi Veld and friends.

RELIGIOUS SERVICES.

Religious services have been held regularly every Sunday afternoon throughout the year, and we are under renewed obligations to the clergy of the various denominations who have conducted worship during the period. These services are now held in the general amusement hall, but I trust the day will come when we shall have a church erected as a detached structure on some convenient part of the grounds. The mere dressing for service and the walk to and from the church would be of benefit to our people. The average church attendance during the year was 189.

INFIRMARY.

This building, described in my last report, was opened October 26th, in charge of a trained General Hospital nurse. It has already proved a great boon, enabling us to give to medical and surgical cases the attention demanded by their physical condition, which, on the ordinary wards, could not be adequately bestowed. Five of the twelve beds, which is the capacity of the building, are at present occupied.

PATHOLOGICAL DEPARTMENT.

Thanks to the kindness of Mr. George B. Burland, who generously volunteered to defray the cost of the apparatus therefor, we have

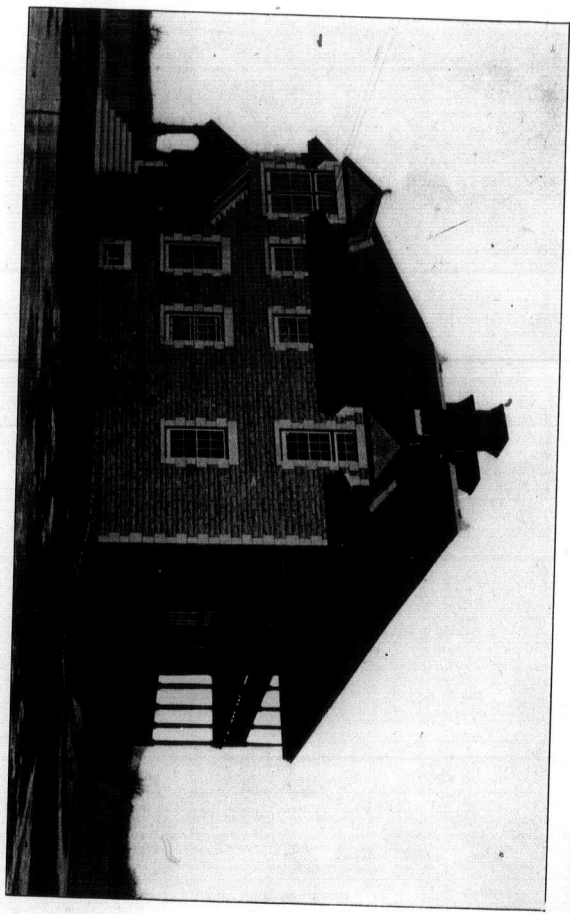
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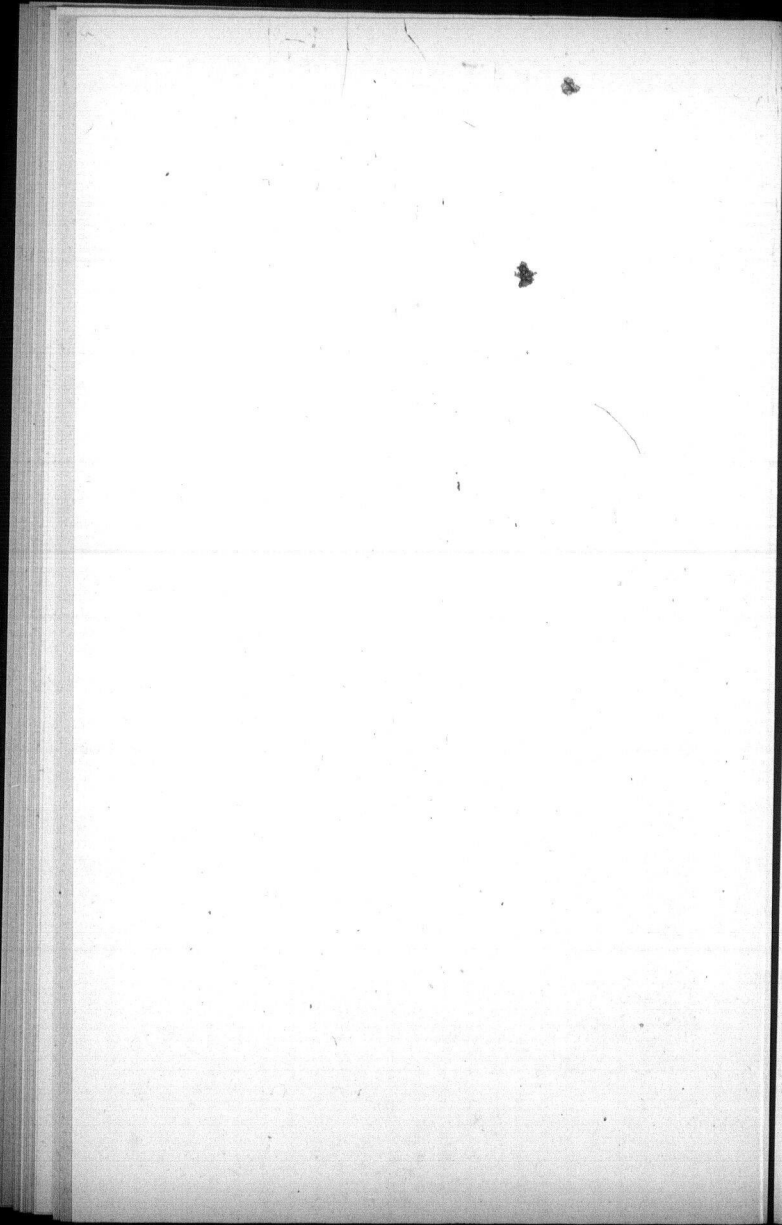
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now a well-equipped pathological laboratory, located in the basement story of the infirmary. Of these rooms, which were fitted up by the Hospital, a detailed report by the Pathologist, Dr. Macphail, is appended. Under his management, there is every prospect that during the coming year much valuable pathological and bacteriological work will be accomplished.

IMPROVEMENTS.

To completely enumerate the many minor repairs and renewals made during the year, by the carpenter, engineer, and painter, would be a task well-nigh impossible. The following major improvements, however, are worthy of special note.

The story added to the carpenter shop last year was fitted up by the carpenter and engineer, so as to provide six excellent, well-lighted and well-heated bedrooms, with a comfortable sitting-room, bathroom and lavatory for our outside male employees.

In the laundry, the upper flat, formerly used for outside male employees' sleeping quarters, was connected with the lower by a wide staircase, and arranged as an ironing-room, with special water-closet and sink for the use of female patients working there. The lower flat was fitted up with an additional drying-room, consisting of ten driers made on the premises, thus nearly doubling our drying capacity. All this work was done by our own people.

New sinks for annex and kitchen were made by the carpenter, and put in place by the engineer.

Extra fire-alarm bells were introduced at annex, in male outside employees' quarters and in boiler room, by the engineer.

The basement story at the infirmary was remodeled into a suite of pathological rooms, lighted and supplied with shelving, basins, hot and cold water, etc. The work connected with this important undertaking was also done by ourselves.

Under the direction of the carpenter, a portion of Hall 7 was converted into an admirable ward dining-room, with a lift running from the ground floor for the conveyance of food, etc.

The pigery, situated close to the side of the road leading to the rear of the farm, was pulled down, and a new one of double the size erected on the eastern side of the property. At the same time, a new, detached boiling-house was built at some distance from it, thus greatly lessening the risk of fire. This work was done by the farmer and carpenter, with the aid of the patients.

The Smead-Dowd system of heating under the woman's wing was replaced by steam supplied from the boiler-house, the same ducts being used for the conveyance to the wards of air heated by steam instead of furnaces. This change will greatly lessen the risk of fire,

do away with the dirt constantly arising from the shovelling of coal in the basement, and make a large saving in the consumption of fuel. Of the two steam-coils thus introduced, each containing 5,024 feet of pipe, one was made and placed by outside labour, the other by our own engineer. I trust that in the course of the coming summer the balance of the Smead-Dowd furnaces under the men's wing, as well as the stack-heaters, all of which are sources of dirt and danger, will likewise be replaced by steam.

Our new electric light plant was finished and put into operation February 15th. It is a great improvement on the old one.

The decorating of the amusement hall was finished by our painter, and though there are larger and loftier, there are few more handsome halls in any of the institutions of which I have cognizance.

With a view to the reduction of our insurance premiums, and as a better protection against fire, a 750-gallon Knowles underwriter steam fire-pump is being placed in the engine-room. It is to be connected with our underground water-tanks by a fourteen-inch main, and will furnish the water-supply to a system of hydrants, the first of which is already in place, surrounding the institution.

PLAN OF BUILDING.

In the summer, a plan and isometric projection, scale fifty feet to the inch, of the various buildings, was prepared and lithographed by Mr. Charles E. Goad, civil engineer. These, showing, as they do, the construction of the different buildings, the exact location of all drains, standpipes, hydrants, steam and water pipes, fill a much-felt want.

PORTRAITS.

The entrance-hall has been embellished with oil portraits of themselves, presented by Mr. Alfred Perry, the Hon. J. K. Ward, and Mr. Charles Alexander, three of the founders of the Hospital. Pictures of others connected with the early history and struggles of the institution have been promised, and I hope that the near future may see the main entrance converted into a veritable portrait gallery, which will include the likenesses of all those prominently identified with the inception and subsequent history of this noble charity.

WANTS.

Our present requirements are mainly a repetition of those enumerated in my last and previous annual reports, consisting of a nurse's home, a detached residence for the Medical Superintendent, cottages for married employees, increased workshop accommodation, a summer-house for female patients, and a greenhouse for the cultivation of flowers for the wards.

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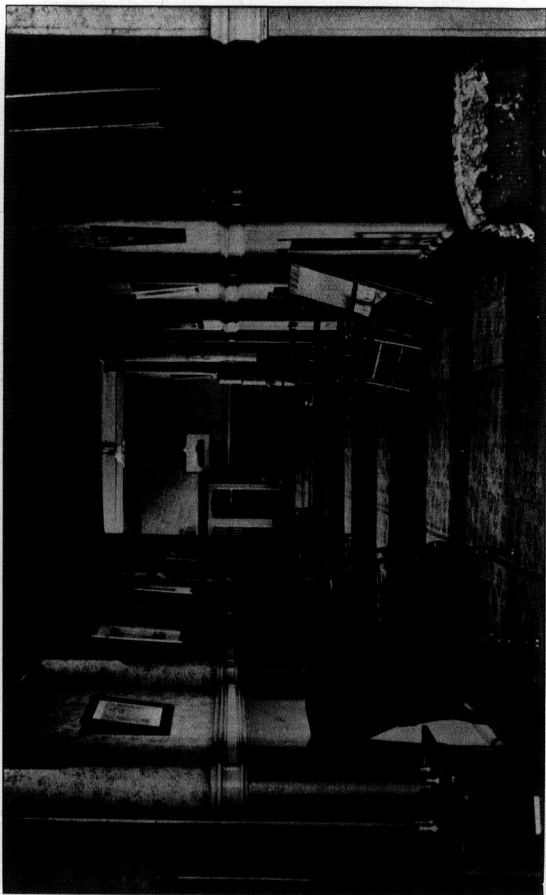
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A new detached kitchen, and the conversion of the present one into additional dining-room space, is also a thing much to be desired. At present, our male public patients are overcrowded at table, and the arrangement of the building is such that the kitchen is of necessity a general passage-way for all outside employees to reach their dining-room.

FINANCIAL.

The revenue for the year, exclusive of subscriptions and donations paid to the Treasurer, was \$55,392.16, made up as under:—

| | |
|---|-------------|
| From Government for public patients | \$33,980 46 |
| From private patients | 18,991 16 |
| Interest on endowments | 1,736 70 |
| Articles sold, etc. | 683 84 |

This is an increase in revenue over that for 1897 of \$4,011.65.

The maintenance expenditure (furnished by Secretary) was \$61,211.39, being an increase over that for 1897 of \$10,074.00.

It will thus be seen that the ordinary revenue, during the period covered by my report, has fallen short of the expenditure for maintenance by \$5,819.23.

Based upon these returns, the per capita cost per annum for maintenance was \$193.41 (as against \$178.46 the previous year), being at the rate of a trifle less than 53 cents a day per patient.

This rate of maintenance, including, as it does, private patients, is certainly not excessive as compared with that of many of the insane hospitals elsewhere. In view, however, of the increase of expenditure over that of the previous year, an increase not entirely justified by the increase in population, the daily average number of patients in residence being 316.47 in 1898 and 286.54 in 1897, nor, so far as I have been able to observe, due to any wastefulness about the institution, I would suggest, with a view to lessening, if possible, the expenses for the incoming year, that the Secretary should prepare a report showing exactly in what items the 1898 expenditure exceeded that for 1897.

In this connection, I would also, if I may be allowed, reiterate the views which I have always held, namely, that to conduct the Hospital in the most economical manner possible, and to safeguard against waste and undue expenditure, there should be an accountant, with office at the hospital, one who would be in daily touch with all departments of the institution and keep close oversight of all its financial affairs. Such an official could, by a comparison of daily, weekly and monthly returns, at once detect any increase of expenditure, and by thoroughly reviewing the matter in conjunction with the Superintendent, decide whether it was fairly justified. This is the system adopted, so far as I am aware, in all similar institutions. As at

present organized, the daily requisitions, monthly statements, etc., are kept in the city office, thus putting it out of the power of the Superintendent or his assistant, even had they the time for such work apart from their already too onerous medical duties, to readily institute any comparison of one week's or month's expenditure with another.

GROUNDS.

Under this head, I would take occasion to express my unfeigned regret at the death of Mr. Frank Roy, Superintendent of Mount Royal Cemetery, to whom we were mainly indebted for the laying out of our ornamental grounds. His advice was willingly and freely placed at our service upon all occasions, and the charming prospect now presented in front of and around the Hospital will ever form a monument to his well-known ability as a landscape gardener.

With the supervision of Mr. Cagney, the rough ground around the infirmary was during the past season gotten into excellent shape, and to him, assisted by patients' labour, were due the trim walks, well-kept lawns, flower beds and shrubbery which excited the admiration of all our visitors.

In laying out the infirmary grounds, the following were the most important items of labour:—Three hundred and eighty feet of macadamized carriage road made around building; 263 loads of earth hauled for grading purposes; 923 square feet of sod laid along borders of walks; 324 square feet of cobble stone paving laid to catch drip from roofs.

FARM AND GARDEN.

The farm and garden have maintained their usual excellent standard of productiveness during the year, as may be seen by the annexed list of products:—

| | | |
|--|-------------------------------------|----------|
| Apples | 41 bushels @ \$1. | \$ 41.00 |
| Artichokes | 5 bushels @ 80c. | 4.00 |
| Asparagus | 57 bunches @ 20c. | 11.40 |
| Beans, butter. | 15 bushels @ \$1. | 15.00 |
| Beets, early | 503 bushels @ 4c. | 20.12 |
| Beets, winter | 430 bushels @ 45c. | 193.50 |
| Brussels sprouts. | 75 stalks @ 5c. | 3.75 |
| Bones, sold. | 1800 pounds @ 40c. per 100. | 7.20 |
| Cabbage, early | 1330 heads @ 2c. | 26.60 |
| Cabbage, red | 136 heads @ 4c. | 5.44 |
| Cabbage, winter. | 5500 heads @ 2½c. | 137.50 |
| Calves, butchered (1) | 66 pounds @ 8c. | 5.28 |
| Carrots, early | 560 bunches @ 2c. | 11.20 |
| Carrots, red, for table use | 570 bushels @ 38c. | 216.60 |
| Carrots, white Belgian, for cows | 580 bushels @ 35c. | 203.00 |
| Cauliflower. | 120 heads @ 5c. | 6.00 |
| Celery | 985 heads @ 3c. | 29.55 |
| Chickens, killed for table use | 22 pairs @ 75c. | 16.50 |

| | | |
|-------------------------------|----------------------------|-----------|
| Corn | 98 dozen @ 15c. | 14.70 |
| Cows, beefed. (8) | 4138 pounds @ 5½c. | 227.59 |
| Cucumbers | 46 dozen @ 25c. | 12.50 |
| Currants | 18 gallons @ 45c. | 8.10 |
| Eggs, new laid | 221 dozen @ 25c. | 55.25 |
| Fodder, corn, for ensilage | 80 tons @ \$6 | 480.00 |
| Fodder, green, oats and vetch | 5 tons @ \$5 | 25.00 |
| Gooseberries | 20 gallons @ 40c. | 8.00 |
| Hay | 35 tons @ \$7 | 245.00 |
| Hides and tallow | | 35.28 |
| Horse beans, for ensilage | 9½ tons @ \$8 | 57.00 |
| Ice, cut and stored | 175 tons @ \$1 | 175.00 |
| Lettuce | 1332 heads @ 3c. | 39.96 |
| Mangels | 30 tons @ \$7 | 210.00 |
| Melons | 23 @ 30c. | 6.90 |
| Milk | 10,807½ gallons @ 19c. | 2053.33 |
| Onions, green | 110 bunches @ 12½c. | 13.75 |
| Onions, winter | 136 bushels @ 75c. | 102.00 |
| Parsley | 23 bunches @ 10c. | 2.30 |
| Parsnips | 357 bushels @ 50c. | 178.50 |
| Peas, green | 21 bushels @ 50c. | 10.50 |
| Peppers, red | 11 dozen @ 20c. | 2.20 |
| Pigs, sold for pork | 9895 pounds @ 4½c. to 5½c. | 500.56 |
| Potatoes | 1800 bushels @ 50c. | 900.00 |
| Pumpkins | 9 @ 10c. | .90 |
| Radishes | 467 bunches @ 5c. | 23.35 |
| Rhubarb | 648 bunches @ 10c. | 64.80 |
| Sage | 30 bunches @ 6c. | 1.80 |
| Salsify | 376 heads @ 2½c. | 9.40 |
| Sea-kail | 33 heads @ 5c. | 1.65 |
| Spinach | 6 bushels @ 60c. | 3.60 |
| Squash | 24 @ 25c. | 6.00 |
| Strawberries | 48 boxes @ 12½c. | 6.00 |
| Summer-savory | 46 bunches @ 5c. | 2.30 |
| Sunflowers, for ensilage | 7 tons @ \$10 | 70.00 |
| Thyme, early | 16 bunches @ 5c. | .80 |
| Thyme, winter | 34 bunches @ 5c. | 1.70 |
| Tomatoes, green | 23 bushels @ 25c. | 5.75 |
| Tomatoes, ripe | 65 bushels @ 40c. | 26.00 |
| Turnips, early | 27 bushels @ 45c. | 12.15 |
| Turnips, winter | 615 bushels @ 37c. | 227.55 |
| Vegetable Marrow | 432 @ 15c. | 64.80 |
| Total | | \$6845.61 |

The following special work was done by the farmer in addition to the labour bestowed upon farm and garden:—Four hundred feet of macadamized road made to new piggery, etc., and 43 loads of stone drawn to go on with same in spring; 480 yards of new ditch made between our own and adjoining property, and 540 yards of the old ditch cleaned out; 1,600 feet surface drains opened to let water off in spring; 116 loads of earth and 46 of ashes drawn to level up around carpenter shop and in barn-yard; 165 feet of drain, five feet deep, dug from entrance lodge to river, and new tile laid therein;

196 feet of trench, four feet deep, dug for water and steam pipes between engine-room and main building.

VISITS AND INSPECTIONS.

On September 8th, the Hospital was visited by the Grand Jury, the members of which expressed great admiration of the management of the establishment.

On October 3rd, we were favoured with a visit from His Honour Lieutenant-Governor Jetté, accompanied by the following members of the Provincial Government, Hon. Messrs. Marchand, Robidoux, Archambault and Guerin. They were received by the Board of Management and the Medical Staff, and, after a thorough inspection of all parts of the Hospital, expressed themselves as delighted with the condition of the institution and its inmates.

The semi-annual meeting of the Medico-Psychological Society of Quebec was held at the Hospital on October 15th. At the close of the meeting the following resolution was passed :—"That the members of this Society, after a thorough inspection of the Verdun Hospital, desire to record their complete approval of the excellent management of the institution, and to offer their sincere congratulations thereon to the physicians in charge and to the other officials of the Hospital."

Official visits were made at various times by the Government Inspectors, the Board of Management, the House, Finance, Mechanical, Building and Grounds Committees.

Nine inspections were made by the following duly appointed Visiting Governors :—His Lordship Bishop Bond, J. B. Clearhue, A. S. Ewing, Robert Forsyth, A. F. Gault, R. Macaulay, J. A. Mathewson, Hy. Morton, James Paton, James Poustie and J. Tasker.

ACKNOWLEDGMENTS.

Our thanks are justly due and hereby tendered for the thoughtful kindness of the undermentioned friends and others who have well earned the title "Good Samaritans" by their generosity toward the unfortunates fallen by the wayside of life :—

For cash contributions received by the Medical Superintendent and forwarded to Treasurer for addition to the general funds :—T. H. Chistmas, \$50; Hugh Craik, Howick, Que., \$3; W. B. Gillies, Buckingham, Que., \$10; W. M. Holiday, Rawdon, Que., \$3; Ladies' Dorcas, Knowlton, Que., \$10; John Macnider, Little Metis, Que., \$10.29; Union Thanksgiving Service collection, Hemmingford, Que., \$25.39; Union Thanksgiving Service collection, Lachute, Que., \$9; Union Thanksgiving Service collection, Melbourne, Que., \$9; Union Thanksgiving Service collection, Richmond, Que., \$25; Union Thanksgiving Service collection, Valleyfield, Que., \$8.78.

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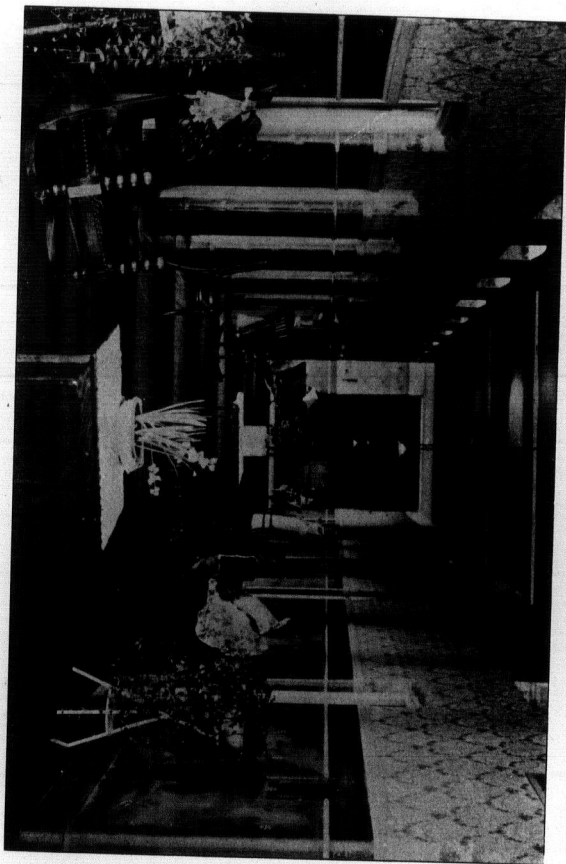
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For books, papers and pictures :—Mrs. Ackley, Miss A. L. Campbell, the Misses Dow, J. H. Ferns, George Graham, Grand Trunk Literary and Scientific Institute, Mrs. E. M. Greenshields, Mr. Hertz, Dr. G. W. Lovejoy, Miss E. M. Lunn, A. McKim & Co., Col. F. Massey, Mrs. J. H. K. Molson, Col. W. R. Oswald, Mrs. Pangman, S. R. Parsons, Mr. Peel, Ready Circle King's Daughters, per Mrs. S. M. Baylis, Miss E. J. Ross, Hon. G. W. Stephens.

For clothing, bedding and materials to make same :—Mrs. Theo. Bigelow, Miss Dow, Mrs. M. H. Gault, Ladies' Aid Society Erskine Church, Ladies' Committee of fancy work table, Industrial Rooms Bazaar; Ladies' Dorcas, Knowlton, Que.; D. Morrice, Mrs. R. G. Reid.

For fruit and flowers :—Miss Crawford, J. A. Mathewson, Mrs. J. H. R. Molson.

For provisions, etc. :—Mrs. A. W. Allan, G. S. Lawrence, West Shetford, Que.; Mrs. D. Morrice, Mrs. A. W. Stevenson.

For Christmas-tree presents :—American Tobacco Co., Mrs. K. M. Bouchard, Dr. H. B. W. Carmichael, Mrs. G. Cardwell, Mrs. C. A. Green, Ed. Darling, W. H. Franckum, W. B. Gillies, Buckingham, Que., George Hague, Miss Hall, Quebec, Que., Mrs. E. N. Heney, W. M. Holiday, Rawdon, Que., Mrs. Thos. Johnson, Ladies of Industrial Rooms Committee, Mrs. C. Lumkin, Cote des Neiges, J. A. Millar, Huntingdon, Que.; H. Monteith, Melbourne, Que.; J. Ollerhead, Hearts Convent, Nfd., Mrs. G. Painter, Mrs. Ramier, Port Daniel, West, Que., Mrs. Roberson, Charlottetown, P.E.I., Mrs. Rousseau, Robert Russell, Ottawa, Ont., St. Lambert Circle King's Daughters, James Shearer, the "Star," Peter Stewart, Tees & Co., W. G. Turner, Mrs. G. Wheatley, Norton Creek, Que., Mrs. Joseph Wilson, W. Woodward, Lachine, Que., I. Wotherspoon, Y.W.C.A., Quebec, Que., per Mrs. Distin.

For prizes for annual sports :—Joseph Allen, Chas. Alexander, H. B. Ames, Ed. Askew, A. A. Ayer & Co., Babcock & Son, J. Ritchie Bell, A. Bowes & Co., T. W. Boyd & Son, J. Brodie, Jr., J. V. Calcutt, Canadian Rubber Co., The Carsley Co., J. H. Chapman, Chase & Sanborn, Caverhill, Learmont & Co., Crathern & Caverhill, John Crawford, Wm. Currie, Dart & Chapman, R. A. Dickson & Co., John Dillon, Wm. Dow & Co., The Wm. Drysdale Co., H. A. Ekers, Elder, Dempster & Co., A. S. Ewing, Wm. Ewing, G. H. Featherston, J. H. Ferns, J. M. Fortier, Fraser, Viger & Co., "Friend," H. Gatehouse, Gault, Bros. & Co., G. O. Goodhue, Danville, Que., F. E. Grafton, Graham & Co., the "Star;" Mrs. E. M. Greenshields, S. Greenshields, Son & Co., G. H. & R. Harrower, Haycock & Dudgeon, Hislop & Hunter, H. K. M., Hodgson, Sumner & Co., S. Hyman, Dra. E. B. & J. S. Ibbotson, H. R. Ives & Co., A. Joyce, A. Kingman & Co., Leeming, Miles & Co., John Lewis, Lockerby Bros., Lyman, Sons & Co., C. L. McAdam, Colin McArthur, McArthur, Cornelle & Co., Sir W. C. McDonald, Mrs.

John McDougall, J. H. McKeown, T. B. Macaulay, A. S. & W. H. Masterman, J. A. Mathewson & Co., "Methodist," Robert Mitchell Co., Montreal Electric Co., James Moore, H. Morgan & Co., D. Morrice, Sons & Co., Morton, Phillips & Co., John Murphy, John Murphy & Co., H. A. Nelson & Sons, W. H. Nolan, A. W. Ogilvie, W. W. Ogilvie, James Ogilvy, Jas. A. Ogilvy & Sons, J. Palmer & Son, James Paton, C. R. Phillips & Co., Phoenix Assurance Co. of London, Eng., R. Prefontaine, A. Ramsay & Son, J. Rattray & Co., Edward Rawlings, Robert Reford & Co., Robert Reid, The James Robertson Co., G. G. Robinson, D. W. Ross, W. H. Scroggie, R. Seath & Sons, W. Seale & Son, James Shearer, H. Shorey & Co., Silverman, Boulter & Co., Simpson, Hall, Miller & Co., D. Surgeon, Tees & Co., J. A. Tees, F. Wolferstan Thomas, Tooke Brothers, R. J. Tooke, R. Turner, M. Vineberg & Co., Jas. Walker & Co., Hon. J. K. Ward, Western Assurance Co., per J. H. Routh & Son, Wightman Sporting Goods Co., A. T. Wiley & Co., Wilson Brcs., James Wilson, Daniel Wilson, John Wilson, Montreal "Witness," C. A. Workman.

For various donations not above enumerated.—D. Barton, repairs to clocks; J. Brodie, Jr., 4 dozen hymn books; Jas. Brown, 3 pairs scissors; G. Eeplin, sawdust for icehouse, etc.; Mr. Finzel, framed picture for wards; George Hague, 6 framed pictures for wards; H. R. Ives & Co., railing for front steps; Colin McArthur, wall-paper and friezes; McEachran, Baker & McEachran, veterinary services; Methodist Sunday School Union of Montreal, 190 bags of candy; Mrs. J. H. R. Molson, 5 framed pictures for wards; Hon. G. W. Stephens, office desk and chairs; Wells & Richardson Co., diamond dyes, etc.

The following papers have been regularly and gratuitously sent by their publishers:—

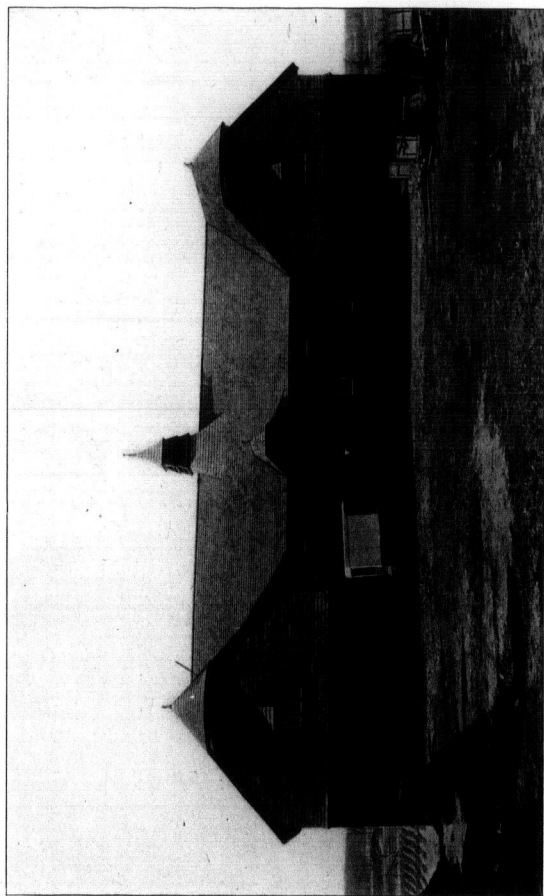
- "Canadian Mute," Deaf and Dumb Institute, Belleville, Ont.
- "Canadian Painter and Decorator," Montreal.
- "Examiner," Sherbrooke.
- "Herald," Montreal (3 copies).
- "Leader," Granby.
- "Pharmaceutical Journal," Montreal.
- "Philanthropic Index and Review," Kalamazoo, Mich., U.S.
- "Star," Montreal (12 copies).
- "Witness," Montreal (24 copies).

It is to be regretted that the proprietors of other newspapers throughout the Province do not follow the example thus set, as many of our poor people take great interest in any news connected with the districts from which they come.

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OFFICERS AND EMPLOYEES.

The only noteworthy change in connection with the staff was the resignation of Dr. Manchester, Assistant Superintendent, after three years' service. He was succeeded by Dr. J. V. Anglin. It is with great pleasure that I express my appreciation of the faithful services which have been rendered during the past year by both these gentlemen, as well as by Mr. Fred. Tooke, who, for the third summer in succession, acted as Clinical Assistant, the other officers, and the employees generally. In doing so, I fully realize how much the success which has attended our work has depended upon their devotion to duty and earnest effort in the performance of it.

CONCLUSION.

In closing this record of another year's labour, I beg to thank the officers and members of the Board of Management, as well as of the several executive committees, for their confidence and the generous support and encouragement they have at all times given me. They have visited the Hospital in all seasons, often at material personal inconvenience, and their aid and advice in matters pertaining to the management of the Hospital has been invaluable. In particular I have to thank them for again sending me to attend the annual meeting of the American Medico-Psychological Association, on this occasion held at St. Louis, Mo. These meetings of alienists are of the greatest importance to our specialty in all its interests. The membership extends from the asylums of the Atlantic to those of the Pacific coast, and the meetings are not merely social gatherings for the purpose of eating, drinking and entertaining—though these features are not utterly ignored—but they are attended by nearly every medical superintendent on the continent. Reports are made, and papers are read and discussed upon special subjects relating to asylums and the insane. By thus comparing notes, every superintendent is made definitely conversant with the peculiar working of other institutions, and is kept abreast with the best and most advanced ideas and methods pertaining to the care of those mentally afflicted.

T. J. W. BURGESS, M.D.,
Medical Superintendent.

VERDUN, January 1st, 1899.

PATHOLOGIST'S REPORT.

The matter of chief interest in the department of pathology during the past year is the equipment of the laboratory. For five years past the work was done under the difficulties always associated with inadequate space and imperfect appliances. As a result, much valuable material was either inadequately dealt with or wasted. Such a waste, though deplorable, could not be avoided owing to the lack of instruments of precision, of incubators, and, above all, of a cold chamber. All this has been changed through the generosity of a Governor and former President of the institution, G. B. Burland, Esq.

The new laboratory occupies a large part of the basement story of the Infirmary, and has a floor space of nine hundred square feet. It includes a work-room, 24 x 13 feet, a preparation and store-room of the same size, a dark room for photography, a post-mortem room, and a cold chamber. The water-supply and drainage are as good as is required for a well-arranged laboratory.

The equipment is the best of its kind, and, though not very extensive, as the number of workers is small, was procured in defiance of expense, quality alone being considered. It is modelled upon the experience of the London County Council's Laboratory at the Clabury Asylum, all of which was freely placed at my disposal by L. F. W. Mott and Dr. Burnett. In the purchase of instruments I had also the advice of Dr. Wyatt Johnson, which was invaluable. It is unnecessary to mention in detail any of the appliances, as they are common to many institutions, but it is of interest to note that as a gas supply is not available, some ingenuity was required to devise methods by which electricity would take its place for incubators, drying ovens and sterilizers.

This is the only institution of the kind in Canada which has a well-equipped laboratory, and it is not too much to expect that some useful work may be done here, and that it will serve as a stimulus to other hospitals for the insane.

The Board of Management also displayed a zeal that is most praiseworthy, and they have expressed the intention of giving to this branch of the work their enthusiastic support. Full facilities will be afforded to physicians to trace the after history of the cases they entrust to the institution, and to supply them with reports of the post-mortem conditions observed, even after many years.

It is also the intention to provide inducements for students of neuro-pathology to prosecute this branch of work, which is of too special a nature to be largely considered in an undergraduate course.

ANDREW MACPHAIL, M.D.,
Pathologist.

TABLE No. 2.
 GENERAL STATEMENT OF THE OPERATIONS OF THE HOSPITAL FROM ITS OPENING, JULY 15TH, 1890,
 TO DATE, DECEMBER 31ST, 1898.

| YEAR. | ADMITTED. | | | | | | | | | | DISCHARGED. | | | | | | | | | | DIED. ESCAPED. | | | | | | | | | |
|------------|-----------|-----|-----|-----|--------|----------|-----|-----|-----|--------|-----------------------|-----|-----|-----|--------|------------------------|----|----|----|--------|----------------|-------------------|-----|-----|-----|--------|-----|----|---|---|
| | Cases. | | | | | Persons. | | | | | Discharged Recovered. | | | | | Discharged Unimproved. | | | | | | Total Discharged. | | | | | | | | |
| | M. | F. | M. | F. | Total. | M. | F. | M. | F. | Total. | M. | F. | M. | F. | Total. | M. | F. | M. | F. | Total. | | M. | F. | M. | F. | Total. | | | | |
| 1890..... | 88 | 51 | 88 | 51 | 88 | 51 | 3 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 2 | 5 | 0 | 0 | | | |
| 1891..... | 86 | 51 | 166 | 94 | 79 | 50 | 139 | 93 | 31 | 15 | 26 | 15 | 15 | 7 | 14 | 7 | 2 | 2 | 2 | 2 | 48 | 24 | 42 | 24 | 12 | 6 | 2 | 0 | | |
| 1892..... | 51 | 50 | 155 | 114 | 47 | 42 | 154 | 108 | 22 | 26 | 21 | 23 | 5 | 10 | 4 | 9 | 7 | 1 | 6 | 1 | 34 | 37 | 31 | 33 | 6 | 4 | 0 | 1 | | |
| 1893..... | 45 | 58 | 160 | 130 | 33 | 51 | 160 | 128 | 14 | 34 | 12 | 32 | 8 | 9 | 7 | 9 | 4 | 2 | 4 | 2 | 26 | 45 | 23 | 43 | 17 | 8 | 0 | 0 | | |
| 1894..... | 68 | 76 | 185 | 153 | 63 | 62 | 183 | 143 | 30 | 29 | 25 | 24 | 2 | 4 | 2 | 4 | 2 | 2 | 2 | 2 | 34 | 35 | 29 | 30 | 13 | 5 | 0 | 0 | | |
| 1895..... | 82 | 62 | 220 | 175 | 68 | 51 | 213 | 170 | 30 | 24 | 27 | 20 | 7 | 5 | 7 | 4 | 8 | 8 | 8 | 45 | 37 | 42 | 32 | 26 | 7 | 0 | 0 | | | |
| 1896..... | 63 | 61 | 212 | 192 | 50 | 48 | 194 | 183 | 26 | 24 | 19 | 16 | 11 | 13 | 10 | 13 | 16 | 5 | 16 | 5 | 53 | 42 | 45 | 34 | 16 | 10 | 0 | 0 | | |
| 1897..... | 67 | 63 | 210 | 203 | 54 | 50 | 197 | 190 | 18 | 23 | 16 | 19 | 6 | 14 | 6 | 14 | 8 | 7 | 8 | 7 | 32 | 44 | 30 | 40 | 16 | 18 | 1 | 0 | | |
| 1898..... | 59 | 51 | 220 | 192 | 52 | 35 | 213 | 176 | 28 | 20 | 21 | 15 | 4 | 4 | 4 | 4 | 5 | 3 | 4 | 3 | 37 | 27 | 29 | 22 | 16 | 7 | 1 | 0 | | |
| Total..... | 609 | 523 | ... | ... | ... | 534 | 440 | ... | ... | ... | 202 | 196 | 170 | 165 | 58 | 67 | 54 | 65 | 52 | 30 | 50 | 30 | 312 | 283 | 274 | 260 | 127 | 70 | 4 | 1 |

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TABLE No. 3.
MONTHLY ADMISSIONS, DISCHARGES AND DEATHS
DURING 1898.

| MONTHS. | ADMISSIONS. | | | DISCHARGES. | | | DEATHS. | | |
|----------------|-------------|---------|--------|-------------|---------|--------|---------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. | Male. | Female. | Total. |
| January | 5 | 4 | 9 | 2 | 1 | 3 | 1 | 1 | 2 |
| February | 3 | 3 | 6 | 1 | 1 | 2 | 0 | 0 | 0 |
| March | 9 | 4 | 13 | 1 | 3 | 4 | 1 | 0 | 1 |
| April | 5 | 3 | 8 | 1 | 1 | 2 | 1 | 0 | 1 |
| May | 8 | 8 | 16 | 3 | 0 | 3 | 1 | 0 | 1 |
| June | 7 | 6 | 13 | 1 | 4 | 5 | 2 | 0 | 2 |
| July | 1 | 8 | 9 | 7 | 4 | 11 | 2 | 0 | 2 |
| August | 5 | 4 | 9 | 3 | 3 | 6 | 1 | 1 | 2 |
| September | 3 | 3 | 6 | 8 | 3 | 11 | 1 | 2 | 3 |
| October | 3 | 3 | 6 | 4 | 0 | 4 | 1 | 0 | 1 |
| November | 4 | 3 | 7 | 1 | 3 | 4 | 2 | 1 | 3 |
| December | 6 | 2 | 8 | 5 | 4 | 9 | 3 | 0 | 3 |
| Total of Cases | 59 | 51 | 110 | 37 | 27 | 64 | 16 | 7 | 23 |

TABLE No. 4.

CIVIL STATE OF THOSE ADMITTED.

| CIVIL STATE. | DURING THE YEAR. | | | SINCE OPENING OF HOSPITAL. | | |
|--------------|------------------|---------|--------|----------------------------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. |
| Single | 38 | 25 | 63 | 337 | 251 | 588 |
| Married | 18 | 22 | 40 | 235 | 210 | 445 |
| Widowed | 3 | 4 | 7 | 37 | 62 | 99 |
| Total | 59 | 51 | 110 | 609 | 523 | 1132 |

TABLE No. 5.

RELIGION OF THOSE ADMITTED.

| RELIGION. | DURING THE YEAR. | | | SINCE OPENING OF HOSPITAL. | | |
|-------------------|------------------|---------|--------|----------------------------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. |
| Baptist | 2 | 3 | 5 | 20 | 19 | 39 |
| Congregational | 2 | 2 | 4 | 17 | 13 | 30 |
| Episcopalian | 24 | 21 | 45 | 192 | 173 | 365 |
| Jewish | 1 | 0 | 1 | 14 | 26 | 40 |
| Lutheran | 1 | 1 | 2 | 3 | 4 | 7 |
| Methodist | 6 | 8 | 14 | 71 | 75 | 146 |
| Plymouth Brethren | 2 | 0 | 2 | 3 | 2 | 5 |
| Presbyterian | 16 | 14 | 30 | 141 | 126 | 267 |
| Protestant | 1 | 0 | 1 | 106 | 63 | 169 |
| Roman Catholic | 4 | 0 | 4 | 26 | 14 | 40 |
| Salvation Army | 0 | 1 | 1 | 0 | 1 | 1 |
| Unitarian | 0 | 1 | 1 | 11 | 3 | 14 |
| Unknown | 0 | 0 | 0 | 5 | 4 | 9 |
| Total | 59 | 51 | 110 | 609 | 523 | 1132 |

TABLE No. 6.
NATIONALITY OF THOSE ADMITTED.

| NATIONALITY. | DURING THE YEAR. | | | SINCE OPENING OF HOSPITAL. | | |
|--------------------|------------------|---------|--------|----------------------------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. |
| Austria..... | 0 | 0 | 0 | 2 | 1 | 3 |
| Canada..... | 40 | 34 | 74 | 368 | 280 | 648 |
| England..... | 10 | 10 | 20 | 118 | 87 | 205 |
| France..... | 1 | 0 | 1 | 4 | 1 | 5 |
| Germany..... | 1 | 1 | 2 | 5 | 6 | 11 |
| Holland..... | 0 | 0 | 0 | 1 | 1 | 2 |
| Ireland..... | 3 | 3 | 6 | 30 | 64 | 94 |
| Newfoundland..... | 0 | 0 | 0 | 3 | 6 | 9 |
| Norway..... | 0 | 0 | 0 | 1 | 0 | 1 |
| Poland..... | 0 | 0 | 0 | 3 | 2 | 5 |
| Roumania..... | 0 | 0 | 0 | 2 | 2 | 4 |
| Russia..... | 0 | 0 | 0 | 2 | 10 | 12 |
| Scotland..... | 3 | 0 | 3 | 41 | 32 | 73 |
| Sweden..... | 0 | 0 | 0 | 1 | 1 | 2 |
| United States..... | 1 | 3 | 4 | 22 | 24 | 46 |
| Wales..... | 0 | 0 | 0 | 1 | 1 | 2 |
| West Indies..... | 0 | 0 | 0 | 4 | 5 | 9 |
| Unknown..... | 0 | 0 | 0 | 4 | 5 | 9 |
| Total..... | 59 | 51 | 110 | 609 | 523 | 1132 |

TABLE No. 7.
EDUCATION OF THOSE ADMITTED.

| EDUCATION. | DURING THE YEAR. | | | SINCE OPENING OF HOSPITAL. | | |
|---------------------------|------------------|---------|--------|----------------------------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. |
| Superior..... | 10 | 8 | 18 | 134 | 91 | 225 |
| Common School..... | 43 | 39 | 82 | 379 | 343 | 722 |
| Can read only..... | 1 | 2 | 3 | 30 | 33 | 63 |
| Cannot read or write..... | 5 | 2 | 7 | 65 | 55 | 120 |
| Unknown..... | 0 | 0 | 0 | 1 | 1 | 2 |
| Total..... | 59 | 51 | 110 | 609 | 523 | 1132 |

TABLE No. 8.
SHOWING THE COUNTIES, ETC., FROM WHICH PATIENTS HAVE
BEEN ADMITTED.

| COUNTIES, ETC. | DURING THE YEAR. | | | SINCE OPENING OF HOSPITAL. | | |
|-------------------------------------|------------------|---------|--------|-------------------------------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. |
| Argenteuil | 3 | 0 | 3 | 19 | 7 | 26 |
| Bagot | 0 | 0 | 0 | 0 | 1 | 1 |
| Beauharnois | 0 | 0 | 0 | 0 | 5 | 5 |
| Berthier | 0 | 0 | 0 | 2 | 0 | 2 |
| Bonaventure | 3 | 1 | 4 | 12 | 6 | 18 |
| Brome | 0 | 0 | 0 | 8 | 10 | 18 |
| Chambly | 0 | 0 | 0 | 3 | 3 | 6 |
| Chateauguay | 0 | 0 | 0 | 8 | 7 | 15 |
| Chicoutimi | 1 | 0 | 1 | 1 | 0 | 1 |
| Compton | 0 | 2 | 2 | 18 | 13 | 31 |
| Dorchester | 1 | 0 | 1 | 1 | 0 | 1 |
| Drummond | 0 | 1 | 1 | 4 | 5 | 9 |
| Gaspé | 0 | 1 | 1 | 1 | 3 | 4 |
| Hochelaga, including Montreal | 0 | 1 | 1 | 1 | 3 | 4 |
| Huntingdon | 32 | 28 | 60 | 333 | 309 | 642 |
| Iberville | 1 | 2 | 3 | 10 | 13 | 23 |
| Jacques Cartier | 0 | 0 | 0 | 1 | 1 | 2 |
| Joliette | 2 | 0 | 2 | 2 | 4 | 6 |
| Laprairie | 0 | 0 | 0 | 3 | 0 | 3 |
| L'Assomption | 0 | 0 | 0 | 2 | 0 | 2 |
| Mégantic | 0 | 0 | 0 | 1 | 1 | 2 |
| Missisquoi | 1 | 0 | 1 | 5 | 4 | 9 |
| Montcalm | 3 | 0 | 3 | 25 | 8 | 33 |
| Ottawa | 0 | 1 | 1 | 0 | 2 | 2 |
| Pontiac | 1 | 4 | 5 | 17 | 13 | 30 |
| Quebec | 1 | 1 | 2 | 11 | 6 | 17 |
| Richmond | 0 | 1 | 1 | 18 | 13 | 31 |
| Rimouski | 2 | 2 | 4 | 12 | 9 | 21 |
| Rouville | 0 | 0 | 0 | 1 | 3 | 4 |
| St. Johns | 0 | 0 | 0 | 3 | 5 | 8 |
| St. Maurice | 1 | 0 | 1 | 2 | 2 | 4 |
| Shefford | 0 | 0 | 0 | 0 | 1 | 1 |
| Sherbrooke | 1 | 1 | 2 | 8 | 8 | 16 |
| Soulanges | 0 | 0 | 0 | 2 | 9 | 11 |
| Stanstead | 0 | 0 | 0 | 1 | 2 | 3 |
| Temiscouata | 0 | 0 | 0 | 16 | 9 | 25 |
| Terrebonne | 0 | 1 | 1 | 0 | 2 | 2 |
| Two Mountains | 0 | 1 | 1 | 1 | 6 | 7 |
| Vaudreuil | 0 | 0 | 0 | 1 | 0 | 1 |
| Wolfe | 0 | 0 | 0 | 1 | 1 | 2 |
| Ontario | 0 | 0 | 0 | 1 | 3 | 4 |
| Newfoundland | 3 | 2 | 5 | 35 | 20 | 55 |
| Nova Scotia | 0 | 0 | 0 | 1 | 1 | 2 |
| Prince Edward Island | 0 | 0 | 0 | 1 | 2 | 3 |
| United States | 0 | 2 | 2 | 0 | 2 | 2 |
| Other countries | 2 | 1 | 3 | 6 | 3 | 9 |
| Not stated | 0 | 0 | 0 | 4 | 1 | 5 |
| Total | 59 | 51 | 110 | 609 | 523 | 1132 |

TABLE No. 9.
SHOWING OCCUPATIONS OF THOSE ADMITTED.

| OCCUPATION. | DURING THE YEAR. | | | SINCE OPENING OF HOSPITAL. | | |
|-------------------------------------|------------------|---------|--------|----------------------------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. |
| Agent..... | 1 | 0 | 1 | 10 | 1 | 11 |
| Artist..... | 0 | 0 | 0 | 2 | 0 | 2 |
| Blacksmith..... | 0 | 0 | 0 | 3 | 0 | 3 |
| Barrister, lawyer, etc..... | 0 | 0 | 0 | 1 | 0 | 1 |
| Book-keeper, accountant, etc..... | 1 | 0 | 1 | 19 | 2 | 21 |
| Brewer, distiller, etc..... | 0 | 0 | 0 | 4 | 0 | 4 |
| Business-man, broker, m'r, etc..... | 2 | 0 | 2 | 14 | 0 | 14 |
| Carpenter, cabinet-maker, etc..... | 3 | 0 | 3 | 16 | 0 | 16 |
| Clergyman..... | 1 | 0 | 1 | 6 | 0 | 6 |
| Clerk..... | 9 | 2 | 11 | 69 | 6 | 75 |
| Commercial traveller..... | 0 | 0 | 0 | 12 | 0 | 12 |
| Confectioner..... | 0 | 0 | 0 | 3 | 1 | 4 |
| Contractor..... | 0 | 0 | 0 | 1 | 0 | 1 |
| Cook..... | 0 | 0 | 0 | 0 | 2 | 2 |
| Daughter of business-man..... | 0 | 3 | 3 | 0 | 17 | 17 |
| " " farmer..... | 0 | 5 | 5 | 0 | 24 | 24 |
| " " laborer..... | 0 | 2 | 2 | 0 | 7 | 7 |
| " " mechanic..... | 0 | 0 | 0 | 0 | 3 | 3 |
| " " professional-man..... | 0 | 0 | 0 | 0 | 1 | 1 |
| Dentist..... | 0 | 0 | 0 | 4 | 0 | 4 |
| Engraver..... | 0 | 0 | 0 | 4 | 0 | 4 |
| Engineer..... | 4 | 0 | 4 | 9 | 0 | 9 |
| Farmer..... | 9 | 0 | 9 | 104 | 6 | 110 |
| Gardener..... | 0 | 0 | 0 | 1 | 0 | 1 |
| Governess..... | 0 | 0 | 0 | 7 | 0 | 7 |
| Hotel-keeper..... | 0 | 2 | 2 | 0 | 18 | 18 |
| House-keeper..... | 0 | 2 | 2 | 0 | 3 | 3 |
| Laborer..... | 6 | 2 | 8 | 90 | 3 | 93 |
| Mechanic..... | 9 | 0 | 9 | 81 | 1 | 82 |
| Merchant..... | 1 | 0 | 1 | 43 | 1 | 44 |
| Music-teacher..... | 0 | 0 | 0 | 4 | 10 | 14 |
| Nurse..... | 0 | 0 | 0 | 0 | 5 | 5 |
| Painter..... | 0 | 0 | 0 | 4 | 0 | 4 |
| Physician..... | 2 | 0 | 2 | 4 | 0 | 4 |
| Printer..... | 1 | 0 | 1 | 8 | 2 | 10 |
| Reporter, newspaper-man, etc..... | 1 | 0 | 1 | 7 | 0 | 7 |
| School teacher..... | 0 | 2 | 2 | 6 | 16 | 22 |
| Sailor..... | 0 | 0 | 0 | 1 | 0 | 1 |
| Seamstress..... | 0 | 0 | 0 | 0 | 13 | 13 |
| Servant..... | 0 | 7 | 7 | 1 | 81 | 82 |
| Shoemaker..... | 1 | 0 | 1 | 2 | 0 | 2 |
| Soldier..... | 1 | 0 | 1 | 5 | 0 | 5 |
| Stenographer, etc..... | 0 | 0 | 0 | 3 | 4 | 7 |
| Steward, waiter, etc..... | 0 | 0 | 0 | 2 | 0 | 2 |
| Stock-raiser, cattle-man, etc..... | 0 | 0 | 0 | 1 | 0 | 1 |
| Student..... | 2 | 0 | 2 | 13 | 1 | 14 |
| Tailor..... | 0 | 0 | 0 | 3 | 0 | 3 |
| Widow of business-man..... | 0 | 1 | 1 | 0 | 11 | 11 |
| " " farmer..... | 0 | 0 | 0 | 0 | 5 | 5 |
| " " laborer..... | 0 | 0 | 0 | 0 | 1 | 1 |
| " " mechanic..... | 0 | 0 | 0 | 0 | 1 | 1 |
| " " professional-man..... | 0 | 1 | 1 | 0 | 3 | 3 |
| Wife of business-man..... | 0 | 3 | 3 | 0 | 47 | 47 |
| " " farmer..... | 0 | 4 | 4 | 0 | 38 | 38 |
| " " laborer..... | 0 | 4 | 4 | 0 | 38 | 38 |
| " " mechanic..... | 0 | 8 | 8 | 0 | 68 | 68 |
| " " professional-man..... | 0 | 2 | 2 | 0 | 11 | 11 |
| No occupation..... | 5 | 3 | 8 | 42 | 66 | 108 |
| Unascertained..... | 0 | 0 | 0 | 2 | 8 | 10 |
| Total..... | 59 | 51 | 110 | 609 | 523 | 1132 |

TABLE No. 10.
SHOWING AGES ON ADMISSION.

| AGE. | DURING THE YEAR. | | | SINCE OPENING OF HOSPITAL. | | |
|---------------------------|------------------|---------|--------|----------------------------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. |
| Under 15 years | 1 | 0 | 1 | 3 | 5 | 8 |
| From 15 to 20 years | 12 | 3 | 15 | 53 | 17 | 70 |
| " 20 to 25 " | 8 | 6 | 14 | 64 | 57 | 121 |
| " 25 to 30 " | 6 | 6 | 12 | 82 | 73 | 155 |
| " 30 to 35 " | 5 | 8 | 13 | 66 | 74 | 140 |
| " 35 to 40 " | 4 | 6 | 10 | 68 | 65 | 133 |
| " 40 to 45 " | 6 | 8 | 14 | 61 | 46 | 107 |
| " 45 to 50 " | 3 | 4 | 7 | 63 | 45 | 108 |
| " 50 to 60 " | 4 | 6 | 10 | 71 | 68 | 139 |
| " 60 to 70 " | 6 | 3 | 9 | 44 | 20 | 64 |
| " 70 to 80 " | 3 | 0 | 3 | 25 | 8 | 33 |
| 80 years and over..... | 1 | 1 | 2 | 8 | 4 | 12 |
| Unknown..... | 0 | 0 | 0 | 1 | 1 | 2 |
| Total..... | 50 | 51 | 110 | 609 | 523 | 1132 |

TABLE No. 11.
SHOWING NUMBER OF ATTACK ON ADMISSION.

| NUMBER OF ATTACK. | DURING THE YEAR. | | | SINCE OPENING OF HOSPITAL. | | |
|--------------------|------------------|---------|--------|----------------------------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. |
| First attack..... | 40 | 30 | 70 | 383 | 286 | 669 |
| Second " | 6 | 6 | 12 | 74 | 82 | 156 |
| Third " | 4 | 2 | 6 | 31 | 40 | 71 |
| Fourth " | 1 | 3 | 4 | 13 | 13 | 26 |
| Fifth " | 0 | 3 | 3 | 17 | 18 | 35 |
| Sixth " | 1 | 1 | 2 | 2 | 1 | 3 |
| Seventh " | 0 | 1 | 1 | 1 | 2 | 3 |
| Congenital..... | 5 | 1 | 6 | 36 | 28 | 64 |
| Unascertained..... | 2 | 4 | 6 | 52 | 53 | 105 |
| Total..... | 59 | 51 | 110 | 609 | 523 | 1132 |

TABLE No. 12.
SHOWING ALLEGED DURATION OF INSANITY PRIOR TO
ADMISSION.

| DURATION. | DURING THE YEAR. | | | SINCE OPENING OF HOSPITAL. | | |
|----------------------------|------------------|---------|--------|-------------------------------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. |
| Under 1 week..... | 3 | 2 | 5 | 31 | 33 | 64 |
| " 1 month..... | 7 | 13 | 20 | 96 | 91 | 187 |
| From 1 to 3 months..... | 14 | 10 | 24 | 84 | 69 | 153 |
| " 3 to 6 "..... | 7 | 5 | 12 | 51 | 39 | 90 |
| " 6 to 9 "..... | 4 | 3 | 7 | 38 | 28 | 66 |
| " 9 to 12 "..... | 2 | 1 | 3 | 19 | 16 | 35 |
| " 1 to 2 years..... | 5 | 2 | 7 | 43 | 45 | 88 |
| " 2 to 3 "..... | 3 | 1 | 4 | 40 | 35 | 75 |
| " 3 to 5 "..... | 5 | 3 | 8 | 37 | 27 | 64 |
| " 5 to 10 "..... | 0 | 3 | 3 | 20 | 24 | 44 |
| " 10 to 15 "..... | 1 | 0 | 1 | 10 | 12 | 22 |
| " 15 to 20 "..... | 0 | 1 | 1 | 18 | 15 | 33 |
| " 20 to 30 "..... | 1 | 0 | 1 | 7 | 2 | 9 |
| " 30 to 40 " and over..... | 4 | 1 | 5 | 35 | 28 | 63 |
| Congenital..... | 0 | 2 | 2 | 26 | 19 | 45 |
| Unknown..... | — | — | — | — | — | — |
| Total..... | 59 | 51 | 110 | 609 | 523 | 1132 |

TABLE No. 13.
SHOWING STATISTICS OF HEREDITY IN THOSE ADMITTED.

| HEREDITY. | DURING THE YEAR. | | | SINCE OPENING OF HOSPITAL. | | |
|---------------------------------------|------------------|---------|--------|-------------------------------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. |
| Paternal branch..... | 12 | 7 | 19 | 61 | 46 | 107 |
| Maternal branch..... | 12 | 4 | 16 | 64 | 45 | 109 |
| Paternal and maternal branches..... | 2 | 0 | 2 | 20 | 19 | 39 |
| Insane relations—history unknown..... | 8 | 14 | 22 | 109 | 90 | 199 |
| Unascertained..... | 9 | 13 | 22 | 175 | 114 | 289 |
| Said not to be hereditary..... | 16 | 13 | 29 | 180 | 209 | 389 |
| Total..... | 59 | 51 | 110 | 609 | 523 | 1132 |

TABLE No. 14.
SHOWING ALLEGED PROBABLE EXCITING CAUSE OF INSANITY
IN THOSE ADMITTED.

| CAUSATION. | DURING THE YEAR. | | | SINCE OPENING OF HOSPITAL. | | |
|---|------------------|---------|--------|-------------------------------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. |
| Abuse of opiates..... | 1 | 0 | 1 | 7 | 5 | 12 |
| Abuse of tobacco..... | 0 | 0 | 0 | 1 | 0 | 1 |
| Brain tumor..... | 0 | 0 | 0 | 1 | 2 | 3 |
| Cerebral hemorrhage..... | 0 | 0 | 0 | 4 | 4 | 8 |
| Change of life..... | 0 | 2 | 2 | 0 | 19 | 19 |
| Disappointed affection..... | 1 | 0 | 1 | 7 | 13 | 20 |
| Domestic trouble, grief, &c..... | 1 | 3 | 4 | 17 | 46 | 63 |
| Epilepsy..... | 4 | 1 | 5 | 20 | 14 | 34 |
| Excessive study..... | 0 | 1 | 1 | 7 | 7 | 14 |
| Fever..... | 0 | 0 | 0 | 5 | 4 | 9 |
| Fright..... | 0 | 0 | 0 | 2 | 11 | 13 |
| General ill-health..... | 3 | 4 | 7 | 25 | 28 | 53 |
| Heredity..... | 6 | 5 | 11 | 24 | 24 | 48 |
| Injury to head..... | 1 | 0 | 1 | 30 | 8 | 38 |
| Insomnia..... | 0 | 1 | 1 | 4 | 2 | 6 |
| Intemperance in drink..... | 8 | 0 | 8 | 71 | 11 | 82 |
| Isolated life..... | 0 | 0 | 0 | 0 | 2 | 2 |
| La Grippe..... | 0 | 0 | 0 | 11 | 9 | 20 |
| Masturbation..... | 2 | 0 | 2 | 33 | 2 | 35 |
| Meningitis..... | 0 | 0 | 0 | 1 | 2 | 3 |
| Menstrual irregularity..... | 0 | 0 | 0 | 0 | 9 | 9 |
| Mental anxiety, worry, overwork..... | 5 | 4 | 9 | 41 | 38 | 79 |
| Monotonous employment..... | 0 | 0 | 0 | 2 | 1 | 3 |
| Ovarian irritation..... | 0 | 0 | 0 | 0 | 6 | 6 |
| Pecuniary difficulty, business anxiety..... | 3 | 1 | 4 | 33 | 5 | 38 |
| Puerperal..... | 0 | 5 | 5 | 0 | 43 | 43 |
| Religious excitement..... | 1 | 1 | 2 | 13 | 11 | 24 |
| Senility..... | 7 | 3 | 10 | 23 | 12 | 35 |
| Sunstroke..... | 0 | 0 | 0 | 13 | 2 | 15 |
| Syphilis..... | 1 | 0 | 1 | 24 | 2 | 26 |
| Uterine disorders..... | 0 | 0 | 0 | 0 | 2 | 2 |
| Vicious indulgences..... | 1 | 0 | 1 | 10 | 2 | 12 |
| Congenital..... | 3 | 2 | 5 | 34 | 29 | 63 |
| Unascertained..... | 11 | 18 | 29 | 146 | 148 | 294 |
| Total..... | 59 | 51 | 110 | 609 | 523 | 1132 |

TABLE No. 15.
STATE OF BODILY HEALTH WHEN RECEIVED OF THOSE
ADMITTED.

| STATE OF HEALTH. | DURING THE YEAR. | | | SINCE OPENING OF HOSPITAL. | | |
|--|------------------|---------|--------|-------------------------------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. |
| In average health and condition..... | 25 | 21 | 46 | 208 | 179 | 387 |
| In indifferent health and reduced condition... | 27 | 25 | 52 | 301 | 261 | 562 |
| In bad health and exhausted condition..... | 7 | 5 | 12 | 100 | 83 | 183 |
| Total..... | 59 | 51 | 110 | 609 | 523 | 1132 |

TABLE No. 16.
SHOWING THE DURATION OF INSANITY PRIOR TO ADMISSION
OF THOSE REMAINING IN THE HOSPITAL,
DECEMBER 31st, 1898.

| DURATION OF INSANITY. | Male. Female. Total. | | |
|------------------------|----------------------|-----|-----|
| | | | |
| Less than 1 year | 45 | 43 | 88 |
| More " 1 " | 14 | 16 | 30 |
| " " 2 years | 9 | 9 | 18 |
| " " 3 " | 14 | 15 | 29 |
| " " 5 " | 16 | 16 | 32 |
| " " 10 " | 37 | 39 | 76 |
| Congenital | 18 | 13 | 31 |
| Unknown | 12 | 7 | 19 |
| Total | 165 | 158 | 323 |

TABLE No. 17.
SHOWING THE DURATION OF INSANITY PRIOR TO ADMISSION
IN THOSE DISCHARGED RECOVERED.

| DURATION OF INSANITY. | DURING THE YEAR. | | | SINCE OPENING OF HOSPITAL. | | |
|-------------------------|------------------|---------|--------|-------------------------------|---------|--------|
| | Male. | Female. | Total. | Male. | Female. | Total. |
| Less than 1 month | 12 | 11. | 23 | 88 | 95 | 183 |
| " " 2 months | 4 | 1 | 5 | 33 | 23 | 56 |
| " " 3 " | 3 | 3 | 6 | 18 | 17 | 35 |
| " " 6 " | 1 | 1 | 2 | 14 | 16 | 30 |
| " " 9 " | 0 | 2 | 2 | 5 | 9 | 14 |
| " " 1 year | 3 | 1 | 4 | 10 | 10 | 20 |
| Over 1 year | 5 | 1 | 6 | 30 | 20 | 50 |
| Unknown | 0 | 0 | 0 | 4 | 6 | 10 |
| Total | 28 | 20 | 48 | 202 | 196 | 398 |

TABLE No. 18.
PERIOD OF RESIDENCE AND MENTAL CONDITION OF
THOSE DISCHARGED.

| PERIOD OF RESIDENCE. | MENTAL CONDITION. | | | | | | | | | | | | Total. | |
|--------------------------|-------------------|----|-----------|----|-------------|----|----------------------------|------------|-----|-----------|----|-------------|--------|-----|
| | DURING THE YEAR. | | | | | | SINCE OPENING OF HOSPITAL. | | | | | | | |
| | Recovered. | | Improved. | | Unimproved. | | Total. | Recovered. | | Improved. | | Unimproved. | | |
| M. | F. | M. | F. | M. | F. | M. | | F. | M. | F. | M. | F. | | |
| Under 1 month | 1 | 0 | 2 | 0 | 0 | 0 | 3 | 23 | 16 | 8 | 9 | 12 | 4 | 72 |
| From 1 to 2 months | 5 | 0 | 0 | 1 | 1 | 1 | 8 | 30 | 13 | 4 | 12 | 8 | 5 | 72 |
| " 2 to 3 " | 3 | 4 | 0 | 0 | 1 | 0 | 8 | 31 | 26 | 5 | 8 | 2 | 1 | 73 |
| " 3 to 6 " | 10 | 10 | 0 | 1 | 0 | 0 | 21 | 67 | 70 | 11 | 16 | 11 | 0 | 175 |
| " 6 to 9 " | 2 | 4 | 0 | 1 | 0 | 1 | 8 | 22 | 34 | 8 | 9 | 3 | 6 | 82 |
| " 9 to 12 " | 4 | 1 | 1 | 0 | 0 | 1 | 7 | 14 | 13 | 10 | 5 | 1 | 3 | 46 |
| 1 to 2 years | 2 | 0 | 1 | 0 | 1 | 0 | 4 | 8 | 15 | 7 | 6 | 6 | 7 | 49 |
| " 2 to 3 " | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 6 | 2 | 0 | 5 | 3 | 20 |
| " 3 to 5 " | 1 | 1 | 0 | 1 | 1 | 0 | 4 | 3 | 3 | 3 | 2 | 2 | 1 | 14 |
| " 5 to 10 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 28 | 20 | 4 | 4 | 5 | 3 | 64 | 202 | 196 | 58 | 67 | 52 | 30 | 605 |

TABLE No. 19.
SHOWING AGE, LENGTH OF RESIDENCE AND PROXIMATE CAUSE
OF DEATH OF THOSE WHO DIED DURING THE YEAR.

| No. | Sex. | Age. | TIME IN HOSPITAL. | | | CAUSE OF DEATH. |
|-----|------|------|-------------------|---------|-------|----------------------------|
| | | | Years. | Months. | Days. | |
| 1 | M. | 35 | 0 | 0 | 21 | Exhaustion of acute mania. |
| 2 | F. | 63 | 7 | 1 | 26 | Cancer of uterus. |
| 3 | F. | 28 | 6 | 10 | 5 | Marasmus. |
| 4 | M. | 45 | 0 | 6 | 25 | Tabes dorsalis. |
| 5 | F. | 62 | 1 | 3 | 23 | Senile debility. |
| 6 | M. | 48 | 7 | 6 | 17 | Phthisis. |
| 7 | M. | 56 | 7 | 3 | 20 | Marasmus. |
| 8 | M. | 61 | 0 | 1 | 0 | Pneumonia. |
| 9 | M. | 27 | 6 | 1 | 2 | Phthisis. |
| 10 | M. | 32 | 3 | 2 | 15 | Peritonitis. |
| 11 | M. | 50 | 0 | 4 | 2 | General paresis. |
| 12 | M. | 60 | 1 | 1 | 20 | Gastric cancer. |
| 13 | F. | 82 | 0 | 0 | 9 | Heart disease. |
| 14 | F. | 32 | 4 | 3 | 3 | Phthisis. |
| 15 | M. | 45 | 1 | 11 | 1 | General paresis. |
| 16 | F. | 35 | 2 | 10 | 20 | Phthisis. |
| 17 | M. | 52 | 1 | 8 | 3 | Marasmus. |
| 18 | M. | 48 | 0 | 10 | 8 | General paresis. |
| 19 | M. | 65 | 0 | 10 | 3 | Exhaustion of melancholia. |
| 20 | F. | 36 | 8 | 1 | 0 | Phthisis. |
| 21 | M. | 72 | 0 | 8 | 23 | Apoplexy. |
| 22 | M. | 54 | 1 | 2 | 18 | General paresis. |
| 23 | M. | 14 | 2 | 9 | 9 | Phthisis. |

TABLE No. 30.
FORM OF MENTAL DISORDER ON ADMISSION, IN ADMISSIONS, DISCHARGES AND DEATHS, WITH CONDITION ON DISCHARGE.

| Form of Mental Disorder. | DURING THE YEAR. | | | | | | | | | | | | SINCE OPENING OF HOSPITAL. | | | | | | | | | | | | | | | | | | | |
|------------------------------|------------------|----|-----|----|----|----|-----------|----|----|----|----|----|----------------------------|----|-----|-----|-----|------|---------|-----|-----|----|----|-----|----|----|----|-----|----|-----|---|----|
| | Cases Admitted. | | | | | | Improved. | | | | | | Unimproved. | | | | | | Deaths. | | | | | | | | | | | | | |
| | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. | | | | | | | | |
| Congenital mental deficiency | 4 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 35 | 29 | 64 | 0 | 0 | 0 | 1 | 4 | 5 | 8 | 4 | 12 | 9 | 5 | 14 | | |
| Mania, acute | 9 | 9 | 18 | 3 | 7 | 10 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 93 | 53 | 186 | 68 | 69 | 137 | 6 | 11 | 17 | 4 | 2 | 6 | 9 | 8 | 17 | | |
| " chronic | 3 | 5 | 8 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 103 | 92 | 195 | 10 | 16 | 26 | 20 | 17 | 37 | 8 | 6 | 14 | 11 | 8 | 19 | | | |
| " recurrent | 5 | 10 | 15 | 4 | 7 | 11 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 39 | 50 | 89 | 27 | 42 | 69 | 1 | 3 | 4 | 1 | 2 | 3 | 2 | 5 | | | |
| Manic-hallucinations, acute | 8 | 3 | 11 | 5 | 0 | 5 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 52 | 53 | 105 | 26 | 52 | 4 | 11 | 15 | 5 | 3 | 8 | 13 | 5 | 18 | | | |
| " chronic | 5 | 3 | 8 | 3 | 1 | 4 | 0 | 3 | 3 | 0 | 0 | 1 | 2 | 3 | 35 | 30 | 65 | 5 | 7 | 12 | 5 | 8 | 13 | 7 | 4 | 11 | 6 | 3 | 9 | | | |
| " recurrent | 4 | 6 | 10 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 18 | 17 | 35 | 9 | 6 | 15 | 2 | 3 | 5 | 0 | 1 | 1 | 2 | 3 | 4 | | | |
| Dementia, acute | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 8 | 17 | 3 | 4 | 7 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | | |
| " chronic | 2 | 3 | 5 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 1 | 56 | 65 | 121 | 0 | 0 | 0 | 4 | 5 | 9 | 4 | 2 | 6 | 14 | 10 | 24 | | |
| " senile | 4 | 2 | 6 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 2 | 3 | 33 | 22 | 55 | 0 | 0 | 0 | 3 | 0 | 3 | 1 | 3 | 4 | 21 | 15 | 36 | | | |
| General paresis | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 4 | 54 | 2 | 56 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 8 | 11 | 12 | 28 | 1 | 29 |
| Paralytic insanity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Epileptic | 2 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 21 | 19 | 40 | 5 | 2 | 7 | 2 | 2 | 2 | 1 | 3 | 7 | 6 | 13 | | | |
| Puerperal | 0 | 6 | 6 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 28 | 0 | 18 | 18 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 2 | |
| Organic brain disease | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | |
| Toxic insanity | 6 | 0 | 6 | 8 | 1 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 10 | 61 | 48 | 6 | 54 | 1 | 2 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | | |
| Traumatic insanity | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 1 | 7 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | | |
| Total of cases | 59 | 51 | 110 | 28 | 20 | 48 | 4 | 4 | 8 | 5 | 3 | 8 | 16 | 7 | 23 | 609 | 523 | 1132 | 202 | 196 | 398 | 58 | 67 | 125 | 32 | 30 | 82 | 127 | 70 | 197 | | |
| Total of persons | 52 | 35 | 87 | 21 | 15 | 36 | 4 | 4 | 8 | 4 | 3 | 7 | 16 | 7 | 23 | 530 | 439 | 969 | 170 | 166 | 336 | 56 | 66 | 122 | 51 | 30 | 81 | 127 | 70 | 197 | | |

TABLE No. 21.

SHOWING ARTICLES MADE AND REPAIRED ON WARDS.

MALE WARDS.

| ARTICLES. | Made. | Repaired. |
|-----------------------|-------|-----------|
| Boots, pairs | 1 | 124 |
| Clocks | ... | 21 |
| Couches | ... | 9 |
| Mattresses | 92 | 105 |
| Pillows..... | 51 | 30 |
| Shoes, pairs | ... | 35 |
| Slippers, pairs | ... | 45 |
| Watches | ... | 5 |
| Total | 144 | 383 |

FEMALE WARDS.

| ARTICLES. | Made. | Repaired. |
|-----------------------------------|-------|-----------|
| Aprons..... | 357 | 1047 |
| Aprons, uniform for nurses | 299 | 195 |
| Aprons, men's | 8 | ... |
| Bibs | 106 | 40 |
| Blinds | 84 | 38 |
| Blouses | 56 | 163 |
| Carpets | 2 | 10 |
| Candy-bags | 370 | ... |
| Cases for hair mattresses | 120 | 20 |
| Cases for straw mattresses | 13 | 22 |
| Chemises | 38 | 998 |
| Clothes-bags..... | 2 | ... |
| Coats | ... | 412 |
| Comforters | ... | 11 |
| Corsets | ... | 37 |
| Couch-covers | 13 | 18 |
| Counterpanes | ... | 145 |
| Curtains, pairs | 38 | 74 |
| Cushions, chair and sofa | 37 | 10 |
| Drawers, men's | ... | 329 |
| Drawers, women's..... | 31 | 676 |
| Dresses | 103 | 785 |
| Dresses, night | 15 | 1026 |
| Dresses, uniform for nurses | 53 | 81 |
| Draw-sheets..... | 48 | ... |
| Dusters | 14 | ... |
| Dressing-gowns..... | 2 | ... |
| Foot-stools | 12 | 10 |
| Hats, trimmed | 30 | 15 |
| Hoods | ... | 55 |
| Head-rests | 20 | ... |
| Iron-holders | 23 | ... |

Total of cases 59 51 110 28 20 48 4 4 8 4
 Total of persons ... 52 35 87 21 15 36 4 4 8 4

TABLE No. 21.—Continued.

FEMALE WARDS.

| ARTICLES. | Made. | Repaired. |
|--|-------|-----------|
| Jackets | 2 | 36 |
| Lamp-shades | 153 | ... |
| Lace, yards | 13 | 10 |
| Mantel and bracket drapes | 36 | 20 |
| Mats, floor | 16 | ... |
| Mats, table | 25 | 41 |
| Mittens, pairs | ... | 9 |
| Overalls | 3 | ... |
| Paper-holders | 15 | 682 |
| Petticoats | 2 | ... |
| Piano-covers | 322 | 60 |
| Pillow-cases | 42 | 51 |
| Pillow-shams | 75 | 17 |
| Pillow-ticks | ... | 45 |
| Pillows, hair | ... | 4 |
| Pillows, feather | 2 | ... |
| Picture-frames | 422 | 165 |
| Sheets | ... | 334 |
| Shirts, colored | ... | 150 |
| Shirts, white | ... | 272 |
| Shirts, guernsey for men | ... | 265 |
| Shirts, guernsey for women | ... | 47 |
| Shirts, night | 30 | ... |
| Slippers, pairs, knitted | 2 | ... |
| Sideboard-covers | 22 | 41 |
| Slip-waists | 10 | 1534 |
| Socks, pairs | 138 | 30 |
| Splashery | 30 | 1834 |
| Stockings, pairs | 1 | ... |
| Screens | 1 | ... |
| Tea-cozy | 40 | 86 |
| Tablecloths, dining | 19 | 4 |
| Tablecloths, fancy | 80 | 10 |
| Table napkins | 72 | ... |
| Tassels and cords for blinds | ... | 597 |
| Trousers, pairs | 34 | 41 |
| Toilet-covers | 106 | ... |
| Towels, chamber | 63 | ... |
| Towels, kitchen | 57 | 20 |
| Towels, roller | 19 | ... |
| Tray-cloths | 2 | ... |
| Tables, fancy | ... | 160 |
| Vests | 3 | ... |
| Whisk-holders | 8 | 44 |
| Wrappers | ... | ... |
| Total | 3759 | 12,826 |

TABLE No. 22.

SHOWING QUANTITY OF PICKLES, PRESERVES, ETC.,
PUT UP IN THE KITCHEN.

| ARTICLES. | Amount. |
|----------------------------|-------------|
| Chili Sauce | 199 quarts. |
| Jelly | 40 " |
| Marmalade | 22 " |
| Pickles | 184 " |
| Preserves | 1485 " |
| Tomatoes, Canned | 487 " |
| Total | 2417 " |

PROTESTANT HOSPITAL FOR THE INSANE.—STATEMENT OF ASSETS AND LIABILITIES,
31st DECEMBER, 1898.

| ASSETS. | LIABILITIES. |
|---|--|
| Grounds, buildings, pavilion, etc.....\$338,094 18 | Bonds |
| Furnishings, farm stock, fuel, vehicles, im- plements, etc. 32,441 34 | Interest coupons due 1st January, 1898..... 4,252 50 |
| Provincial government, due by..... 12,743 05 | Sundry creditors..... 2,521 19 |
| Private patients, board due..... 449 40 | Cottage fund..... 100 00 |
| Endowments, represented by— | Cash overdraft..... 19,337 62 |
| Molson Bank stock.....131 shares. | Capital account..... 206,281 47 |
| Merchants Bank of Canada..... 52 " | |
| Montreal Gas Co..... 86 " | |
| Montreal Telegraph Co.....121 " | |
| Canada Savings and Loan Co.... 3 " | |
| \$417,492 78 | \$417,492 78 |

MONTREAL, 6th February, 1899.

Audited and verified.

P. S. ROSS & SONS, Chartered Accountants.

CURRENT ACCOUNT, 31st DECEMBER, 1898.

Cr.

Dr.

MAINTENANCE ACCOUNT :

| | |
|--------------------------------------|--------------------|
| General supplies..... | \$26,918 26 |
| Salaries and wages..... | 21,558 09 |
| Fuel | 7,018 82 |
| Repairs | 2,326 63 |
| General expenses, office rent, etc.. | 1,676 40 |
| Insurance | 1,624 61 |
| Farm stock | 88 58 |
| Interest on bonds @ 4½ per cent..... | \$61,211 39 |
| Interest on bank account..... | 8,325 00 |
| | 179 73 |
| | <u>\$69,716 12</u> |

| | |
|--|--------------------|
| Board from Provincial Government..... | \$33,980 46 |
| Board for private patients..... | 19,250 26 |
| Interest on bonds, repaid by Government..... | 8,325 00 |
| Subscriptions | 1,645 43 |
| Revenue from endowments..... | 1,736 70 |
| Farm produce sold and consumed..... | 2,083 83 |
| Fines on attendants..... | 5 00 |
| | <u>\$67,026 68</u> |
| To capital account (deficit)..... | 2,689 44 |
| | <u>\$69,716 12</u> |

MONTREAL, 6th February, 1899.

Audited and verified.

P. S. ROSS & SONS, Chartered Accountants.