

The seventy-second annual report of James Murray's Royal Asylum Perth.

Contributors

James Murray's Royal Asylum for Lunatics.

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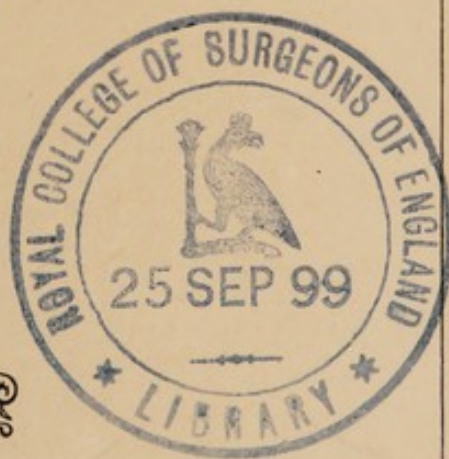
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THE
SEVENTY-SECOND
Annual Report
OF
JAMES MURRAY'S
Royal Asylum,
Perth.



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1899.



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James Murray's Royal Asylum, Perth.

Chairman.

The Right Hon. The Earl of Mansfield.

Directors Ex-Officio.

His Grace The Duke of Atholl, Lord-Lieutenant of the County.

Andrew Jameson, Esq., Sheriff of the County.

John Grahame, Esq., Sheriff-Substitute of the County.

John A. Dewar, Esq., Lord Provost of the City of Perth.

James Chalmers, Esq., Lord Dean of Guild, Perth.

Alex. Wright, Esq., First Bailie, Perth.

Peter M'Gregor, Esq., Convener of Trades, Perth.

Wm. Japp, Esq., President of the Society of Solicitors, Alyth.

Rev. Wm. Main, Minister of Middle Parish Church, Perth.

Life Directors.

H. Macduff-Duncan, Esq. of
Damside.

David Mackinlay, Esq. of Cordon,
Great Western Ter., Glasgow.

Andrew Coates, Esq., Pitcullen
House, Perth.

The Right Hon. The Earl of
Mansfield, Scone Palace.

Annual Directors.

Albert Butter, Esq., Union Bank,
Perth.

R. W. R. Mackenzie, Esq., Stor-
montfield.

Jas. T. Sellar, Esq., W.S., Perth.

T. G. Nairne, Esq. of Dunsinnan.

Wm. L. Watson, Esq. of Ayton.

John Thomas, Esq., Solicitor,
Perth.

Robert Kinloch, Esq., W. S.,
Perth.

W. H. Cox, Esq. of Snaigow.

Lieut.-Col. H. S. Murray Graham
of Murrayshall.

Lieut.-Col. E. R. Stewart Rich-
ardson of Ballathie.

Sir Robert Pullar of Tayside.

Adam Steel, Esq. of Blackpark.

Committee of Management.

The Earl of Mansfield.

John A. Dewar, Esq.

Andrew Coates, Esq.

Albert Butter, Esq.

R. W. R. Mackenzie, Esq.

John Thomas, Esq.

Sir Robert Pullar.

Adam Steel, Esq.

Joint Secretaries and Treasurers.

Messrs. Mackenzie & Dickson, Solicitors, Perth.

Auditors.

Messrs. J. & R. Morison, Perth.



Asylum Staff.

Physician Superintendent.

A. R. Urquhart, M.D., F.R.C.P.E.

Assistant Medical Officer.

H. J. McGrigor, M.B., Ch.B., D.P.H.

Chaplain.

Rev. John W. Henderson, B.D.

Matrons.

Miss Finch, at the Asylum.

Miss Macfarlane, at Kincarrathie.

Chief Attendant and Storekeeper.

Mr. W. Henry.

At JAMES MURRAY'S ROYAL ASYLUM,
the 12th day of June, 1899.

At the Annual General Meeting of Directors of
the Asylum, held in terms of the Royal
Charter,—John Thomas, Esq., presiding :

Inter alia—

THE Annual Financial Statement, as prepared by
the Auditors, and the Report by Dr. Urquhart,
were laid on the table, and, having been printed and
circulated amongst the Directors, were held as read.

The Report of the Committee of Management was
thereafter submitted by the Secretaries.

The Chaplain made a verbal Report of his work for
the past year.

The Reports of the Commissioners in Lunacy were
laid on the table.

On the motion of John Thomas, Esq., it was resolved
—That the Reports now submitted be approved of
and recorded in the Minute-Book of the Corporation ;
and that the same, or a suitable abstract thereof, be
printed and circulated under the superintendence of
Dr. Urquhart and the Secretaries.

Alex. Macduff, Esq. of Bonhard, thereafter moved
that the following be elected Annual Directors, viz. :—

Lieut.-Col. H. S. Murray Graham of Murrayshall ;
Lieut.-Col. E. R. Stewart Richardson of Ballathie ;
Sir Robert Pullar of Tayside ; and
Adam Steel, Esq. of Blackpark ;

and that the names of Sir Robert Pullar, Mr. Steel, and
Mr. R. W. R. Mackenzie be added to the Committee.

On the motion of Lord Dean of Guild Chalmers, The Earl of Mansfield was re-elected Chairman of the Institution for the ensuing year.

The List of Directors now stands as printed on page three.

On the motion of Bailie Wright, it was unanimously resolved that the Meeting re-appoint Messrs. Mackenzie & Dickson as Secretaries and Treasurers of the Institution, and that the Chaplain, Auditors, and Matron be re-elected.

On the motion of Col. Campbell, the Meeting accorded a hearty vote of thanks to Dr. Urquhart for his careful and successful management of the Institution.

The Directors desire to record with regret the death of Rev. W. D. Knowles, for 33 years Chaplain to the Institution. When accepting his resignation at the Annual Meeting in 1896, the Directors placed on record their sense of Mr. Knowles' efficient service during this long period, and granted him a pension of £25. They now mourn the loss of an old friend of the Institution and desire to express their sympathy with his family.

Nurse Lawrence, the Deputy Matron, who has been awarded the Morison Prize and Medal for meritorious attendance on the insane by the Council of the Royal College of Physicians, and the Attendants and Nurses who have gained Certificates of Proficiency at the recent Examination of the Medico-Psychological Association, were introduced by Dr. Urquhart and their Certificates were presented by the Chairman.



REPORT by MANAGING COMMITTEE to ANNUAL
GENERAL MEETING OF DIRECTORS OF
JAMES MURRAY'S ROYAL ASYLUM, 12th
June, 1899.

THE Committee have now the pleasure of submitting the Seventy-Second Annual Report on the affairs of the Asylum.

The Annual Statement of Accounts prepared by the Auditors, Messrs. J. & R. Morison, and now laid on the table, shows the position of the Institution at 31st March, 1899. The total Revenue for the year was - £12,712 8 10 and the total Expenditure, - 11,925 2 9

showing an excess of	-	£787	6	1
but, as the above expenditure includes sums applied in reduction of debt,	-			
	-	359	7	10

the year's transactions show a surplus of - - - £1146 13 11

The sum received from Patients' Board was £11,187 3s 7d, which exceeds last year by £1005 1s 8d. The average from 1864 to 1898, inclusive, is £6112 9s 2d.

The yearly income per patient was £96 9s 7d, and the yearly cost calculated on the total expenditure £90 10s. The weekly cost per patient calculated on the whole expenditure was £1 14s 9d.

The patients remaining on the register, together pay £10,893 per annum, being an average board rate of £83 3s.

The ordinary minimum rate of board is £60 per annum, but during the past year patients were maintained at rates varying from £30 to £52, as confirmed by the Directors in terms of the Charter. The sum thus expended on charitable action amounted to £498 17s 6d.

The Accounts of the Farm show a surplus income of £137 19s 11d, and those of the Garden of £15 18s 2d. There have been no changes in the methods of management; both afford healthy and interesting occupation for such gentlemen as can be induced to enter upon outdoor employment. One cow and a pig died during the year, but the stock has been generally healthy. The quantity of milk supplied was 7662 gallons. As usual, the Farm Accounts will be found with the other Financial Statements.

The debt of the Institution has been entirely recast as from Whitsunday, 1898. At that date the two Bonds of Annual Rent held by the Edinburgh Life Assurance Company were paid off, and the balance then outstanding, £10,700, was borrowed in small sums on ordinary Bonds and Dispositions in Security at 3 per cent., with an option in favour of the Asylum to redeem the principal as the Directors find convenient. It is proposed to carry the sum of £765, hitherto paid as rent charge and interest, to a Sinking Fund, from which interest and capital will be repaid so that the whole debt will be cleared off by Martinmas, 1916. This plan, which has been worked

out by the Treasurers, will effect a very considerable saving, and places the finances of the Institution on a sound basis. It should be noted, however, that the assets of the Asylum at Elie and Kincarrathie are equivalent to £2000, so that the nominal debt could be at once reduced by that sum. Five years ago the debt stood at £14,335.

Reference is made to Dr. Urquhart's Report and to those of the Commissioners in Lunacy for information as to the general management of the Asylum.

The Directors who fall to retire at this time are :—

Col. The Hon. F. J. STUART GRAY ;
Col. CAMPBELL ;
GEORGE GRAY, Esq. ;
ALEX. MACDUFF, Esq. ;

and the following names are suggested to fill the vacancies :—

Lieut.-Col. H. S. MURRAY GRAHAM of
Murrayshall ;
Lieut.-Col. E. R. STEWART RICHARDSON
of Ballathie ;
Sir ROBERT PULLAR of Tayside ; and
ADAM STEEL, Esq. of Blackpark ;

Sir ROBERT PULLAR, Mr. STEEL, and Mr. R. W. R. MACKENZIE to be Members of Committee in room of Col. The Hon. STUART GRAY, Col. CAMPBELL, and Mr. MACDUFF.

REPORT of the PHYSICIAN SUPERINTENDENT
for the Year ending 31st March, 1899,
presented at the ANNUAL MEETING OF
DIRECTORS, 12th June, 1899.

General
Statistics.

I HAVE the honour to present the Seventy-second Annual Report, together with Tables of Medical and General Statistics.

On the 1st April, 1898, there were 123 persons on the Registers of the Asylum.

Fifty-six were admitted during the year, of whom 31 were men and 25 women.

Thirty-eight were discharged, 20 men and 18 women.

The number of deaths was 10, 7 men and 3 women.

The total number of cases under treatment was 179, and the average daily number on the books 131.

On the 31st March, 1899, there remained 71 men and 60 women—total, 131,—being an increase of 8 during the year.

At the close of the year there were 7 voluntary patients, 3 male and 4 female. Eleven were resident at Kincarrathie, and 2 were absent on pass.

The Admissions

The average rate of the admissions for the last thirty-four years is 31 per annum. This year 56 cases have been received, 7 more than in 1898.

Forty-eight patients were received for the first time ; 4 returned relapsed, after having been discharged recovered ; and 3 were returned as unsuitable for private care. One Voluntary Patient was necessarily certified in consequence of his technically insane mental condition. Four were transferred from other Asylums. Of the 56 admissions, only 8 were found free from physical diseases more or less severe, and 3 died within a short time after reception here owing to the fatal and incurable maladies under which they laboured on admission. The average age on admission was 40·6 years (compared with 42·0 in 1898), and 6 were over 60 years of age (compared with 5 in 1898).

The causes of insanity as discovered on admission were ascertained, more or less precisely, in 55 cases, leaving only 1 unaccounted for. Twenty-four were hereditarily predisposed to mental derangement, while 8 belonged to families of neurotic tendencies, and the male parents of 5 were alcoholic. Fifteen had been subjected to mental stress of a severe nature, but 9 of these presented such a family history as showed that they were inherently unable to withstand the anxieties under which they had succumbed, and all the others laboured under exhausting physical disorders.

The number of curable cases admitted may be stated at 25, making every allowance for possible improvement in certain doubtful instances. Thirty-one were indubitably in hopeless condition in this respect, owing to advanced degenerative disease

of vital organs. Twenty-one had previous attacks of insanity, and 8 were of such a nature that periodicity of disease had been established. Seven were readmitted for the second time, and 1 for the ninth time.

Physical
Diseases.

The usual list of physical diseases was noted as causative of, or complicating, the mental malady, especially diseases of the heart and digestive system, and the effects of alcoholism, or other toxic agencies. Twelve patients were admitted suffering from the effects of chronic alcoholism. Of these nine had become technically insane, while 3 were voluntary patients. When the antecedent facts were ascertained, however, it was found that only 2 had become insane owing to this single cause; and it may be that this modified number could be still further reduced were the exact family history of each elicited. Four were hereditarily predisposed to insanity, 1 came of a nervous stock, and the fathers of 4 were known to be habitual drunkards. The apparent incidence of alcoholism as a direct cause of insanity is thus materially reduced by a fuller consideration of the antecedent circumstances affecting each case. It cannot but remain a serious question for those brought into intimate contact with the ravages caused by drunkenness; but we must discriminate between such as are merely vicious and such as are organically defective in self-control. The fallacy of comparing the expectation of life in individuals who are total abstainers and in those who are not is evident when we know how many weaklings fall victims to alcoholism in the vain endeavour to improve their constitutions and to fit themselves for daily work by constant stimulation.

Those admitted came from the following localities :—Three from Perth, 8 from the County of Perth, 4 from Edinburgh, 8 from Glasgow, 7 from Forfarshire, 4 from Fife, 13 from other parts of Scotland, 3 from England, 6 from Ireland. No applications from the City or County of Perth were refused. As in former years, due consideration was shown to indigent patients of the class and from the locality prescribed by the Charter of Incorporation, but two such applications from other parts of the country could not be entertained.

Former
Residences of
Admissions.

The general Recovery Rate of the Asylum during the years 1865-98 inclusive is 34·67. This year shows the lowest proportion since 1885. It is 26·77, on the total number of admissions—19 for men and 36 for women. Altogether, 15 patients left the Institution restored to health.

The Recoveries.

Of those persons discharged from the Institution unrecovered ; 4 were transferred to other Asylums in the hope of change proving beneficial ; 2 were sent to other Asylums, being unable to pay the minimum rate of board charged here—neither of these belonged to Perthshire. Eleven were returned to family life ; 3 were removed against advice with untoward results ; 1 was sent to private care ; and 2 recovered after removal.

The
Unrecovered.

The percentage of Deaths on the average numbers resident was 7·58, the average rate of the Institution being 5·84. This is an increase on the figures (5·83) for the previous year. The actual number of deaths was 10, as compared with 7 last year. Eight were admitted labouring under the

The Deaths.

fatal maladies which inevitably terminated in death. Four died of general paralysis, 1 of apoplexy, 1 of cerebral degeneration, 1 of exhaustion after influenza and senile mania, 1 of diarrhœa consequent on prolonged alcoholism, 1 of phthisis, and 1 of fatty heart. All were absolutely incurable as regards mental condition. One had been a patient here for forty-one years.

The average age at death was 54 years, 45 for males and 75 for females. Three *post-mortem* examinations were made, and accurate records preserved.

Average
Numbers
Resident.

The average daily numbers on the books during the year were:—Certified male patients, 67·45; female, 55·04. Voluntary male, 4·69; female, 4·59. Total, 131·77. This shows an increase of 12·68 compared with last year, and an increase of 42·51 over the average daily number since 1864, which is 89·26. The lowest number for any one day (123) occurred on the 1st April, 1898, and the highest (137) on the 29th June, 1898. This also marks the highest number of patients on any one day since the state-paid left in 1864. Although the new rooms added for the accommodation of attendants and nurses have been completed, during a considerable part of the year every bed was required, and several cases had necessarily to be refused admission. The pressure was mainly felt in the male division of the Institution, which has been for a considerable period of years fully occupied by patients at all the different rates of board.

The patients remaining resident on the 31st March were in a most unfavourable condition

in respect of curability. Not more than thirteen were likely to recover. Ten were actively suicidal and required constant supervision, while fifteen were dangerous to others. Five were epileptic, and three were general paralytics. Seventeen were over seventy years of age.

I am sincerely thankful in being able to record No Accident. that no serious accident occurred during the year, although the constant presence of workmen and the structural alterations in progress occasioned discomfort and anxiety at a time when the Institution was crowded with patients, many of whom required special and unremitting care.

The Register of Restraint and Seclusion shows Restraint. entries referring to two patients under surgical treatment, to the use of the wet pack on two occasions, and to the seclusion of a case of contagious disease.

Three escapes are recorded. One left the Escapes. house at Elie to visit his father without permission, and two went to some distance to visit friends and failed to return at the stated time.

The general health of the establishment has General Health. been remarkably good. One or two cases of mild influenza appeared in spring, but no serious results followed, and no real epidemic occurred. On the other hand, there was an unusual amount of nursing in regard to special cases, both surgical and medical, as might be expected from the nature and number of the patients admitted. The work in this respect has been better accomplished by the appointment of a trained hospital

nurse to assist the Matron. Her duties extend to the male division when certain cases occur there requiring her skilled aid; and it may be found expedient to appoint another exclusively for attendance on sick and infirm gentlemen when the classification of the patients is more adequate, on the completion of the alterations authorised.

Training of
Nurses.

I believe that this Institution was the first to secure the services of a Matron with practical and modern training in hospital methods. That was on the resignation of Miss Giddings and the appointment of Miss Sharp in 1886. Since then, very notable changes have occurred. The nursing service in the asylums of the country has been consolidated and improved by the systematic training and examination of Attendants. From small beginnings, and in spite of some prejudice, reasonable methods of instruction have replaced the former haphazard want of system. It is with much pleasure that I ask the Chairman to present the certificates of proficiency gained, at the recent examination of the Medico-Psychological Association, by six of our Attendants and Nurses, viz. :—Christian B. Lumsden, Caroline Fletcher, Mary Morrison, John M'Lagan, David Duncan, and Alexander W. Thornley. I need hardly say more in commendation of these recent developments. They command approval.

Occupations and
Amusements.

The occupations and amusements of the patients are maintained on the lines so often indicated in the past. The daily register shows the number usefully employed in the various departments of work.

We have kindly assistance in the amusements

freely given by many who favour us year after year, and must acknowledge this specially to the ladies and gentlemen who performed "Patience," Mr. Graves, Mr. Bryson, Mr. Richardson, and Miss Hempel. The Magazine of the Asylum continues to afford recreation to those of literary tastes, and the social life of the Institution is fully chronicled in *Excelsior*.

Thirty patients were at Elie last summer, and it was fortunate that it afforded relief at a time when it was most required. A large number of excursions have been recorded, and as usual the number of visitors shows a great increase. Indeed nearly double the number (587) came to see their friends, compared with the record of six years ago. Nor were these visits confined to short calls; on several occasions they were more or less prolonged by the visitors staying in the house in the hope of benefit resulting. I am convinced that the confidence in asylum management, which increases with time, cannot but be established even more firmly by such facts as these now recorded. No doubt the fuller recognition of asylums as true hospitals, where skilled care and attention can be obtained, has an untoward result in sending in so many aged and feeble cases. There is, perhaps, danger that the numbers of the acute and curable may be restricted; but while these institutions stand open to suffering humanity, we must not limit our less hopeful work, or become concerned that bald statistics show fewer recoveries and more deaths.

The general management of the Institution has not varied in essential details during the past year. As hitherto, the fabric of the Asylum and

General
Management.

the houses connected with it has been maintained in good repair, and the stock of furnishings has been kept up. By constant attention and renewals year by year, occasional and large requisitions on account of depreciation are avoided. The more important alterations and improvements have been charged as follows:—

Alterations and
Improvements.

1. Nurses' Bedrooms,	-	-	-	£310	13	10
2. Attendants' Bedrooms,	-	-	-	324	15	5
3. Alterations at Front Door,	-	-	-	68	11	5
4. Repairs on Cottage,	-	-	-	33	6	10
5. Repairs on South Private Rooms,				14	0	0
				<hr/>		
				£753	7	6

The agricultural drains in the middle field were found to be ineffective, and a considerable amount of labour was expended on renewing them, and on filling up the old sewage tank which was abandoned ten years ago.

Renewal of
Locks.

It has become necessary to renew the locks which have been in use since the opening of the Asylum. This is being gradually done on a system designed by the Engineer. The advantages claimed are that, when a lock is required for master and journeyman keys, (1) the bolt is only thrown out once; (2) a second turn of the master key throws the lock out of gear, so that the journeyman key turns in the lock without touching the bolt or straining the parts; (3) all working parts are made to standard gauge and fixed with screws, so that repairs are easy and occupy a minimum time; (4) the master key is least cut, thereby making it impossible to make a journeyman key into a master key without special skill; (5) the whole parts are simple in

construction and simple in action ; (6) the cost of altering old locks to this design is very moderate.

Consequent on the addition of the new rooms for Nurses and Attendants, it was found advisable to add sculleries in connection with their mess-rooms, and lavatories for their exclusive use. The steam pipes required renewal in the centre of the house, and the opportunity was taken to re-organize the whole system of return steam traps and distributing pipes in that neighbourhood. The pipes are now easily accessible for repairs, and the condensed steam is returned to the boilers in such volume as reduces the cold water supply to a minimum. It was also found necessary to introduce roof-lights into galleries M. 4 and F. 4 on shifting the window blocked by these new rooms, so that the estimate of cost was considerably increased. These improvements have been charged to the ordinary expenditure accounts for the year.

The usual number of changes in the staff has The Staff. to be recorded. Three Attendants resigned to continue their work in other institutions for the insane, one entered the prison service, one was promoted to be Head Attendant at Gartloch Asylum, and one left for other employment. Four were discharged, one on account of drunkenness, one absent without leave, and two unseemly in conduct. One Attendant and two Nurses were not retained, having been found incompetent during their period of probation. Two Nurses resigned to go to other asylums, one to enter on general hospital training, one promoted to be Assistant Matron at Rainhill Asylum, and

one on account of ill-health. One was discharged for unseemly conduct.

I gladly report that another year has passed without reasonable complaint as to the conduct of the Attendants and Nurses towards the patients, especially in consideration of the difficulties above referred to.

Of those remaining in the service (33) only 18 have been in this service for more than a twelve-month ; and the average length of service is about three and a half years. As usual, the changes are confined to the ranks of the junior staff, and there does not seem to be a prospect of much improvement in this respect for reasons stated in former reports.

Besides the honours gained by the Attendants and Nurses named to the Directors at the last examination, when Dr. Turnbull and Dr. Keith Campbell kindly acted as examiners, I have much pleasure in reporting that Nurse Lawrence, the Deputy-Matron, was awarded the Morison Prize and Medal for Meritorious Attendance on the Insane by the Council of the Royal College of Physicians. This signal mark of distinction has been deservedly won after twenty-three years of faithful work in this Institution, and the Directors will be gratified to know that this is the fourth occasion on which this prize has been given to members of our staff.

Dr. Fleming having resigned his appointment as Assistant Medical Officer, Dr. H. J. M^cGrigor has entered on his duties.

Miss Thomson having been compelled to retire on account of ill-health, Miss Finch has been appointed Matron. I cannot but revert to our

deep sense of the loss sustained by the Institution in Miss Thomson's resignation. She brought uncommon aptitude and trained skill to bear on her work, which was performed with rare tact, sympathy, and decision.

The Reports of the Lunacy Commissioners will be found appended as usual.

In presenting this, my twentieth Annual Resumé. Report, I would specially renew my thanks to the Directors for very many acts of personal kindness, for their unvarying sympathy and support during my term of office. I look back across the years with a grateful heart in acknowledging how much the staff has done to maintain the reputation of the Institution on the lines so definitely laid down in its inception and early development. With the accumulated experience of this century of humanitarian and scientific progress, vast improvements have been made in asylums; but, no doubt, the future still holds an advance which we can but dimly anticipate.

These brief statistics of the twenty years now ended show a great increase in the volume of work done here. On the 31st March, 1879, there were 32 males and 33 females on the registers, one lady being a voluntary patient. The average number of cases annually admitted since then was 36·95; in all 739 have been received. Of these 275 were discharged recovered, and 125 died. These numbers give a recovery rate of 37·2 per cent., and a death rate of 6·2 per cent., both somewhat under the average for all classes of patients in Scottish asylums. Excluding the cases trans-

ferred from other asylums the recovery rate stands at 41·8 per cent. The increase in the average numbers resident is 60·7. The numbers remaining on the register on 31st March, 1899, were 71 males and 60 females, 7 being voluntary patients.

The Main Asylum has been almost entirely renovated and modernized, the Hospital Wings have been built, and the Succursal Houses have been added. It may be assumed that these results are gained by methods which enabled Commissioner Fraser on the last official visit to record that "No complaint of a reasonable character was made by any inmate, and those patients who were competent to express an opinion declared themselves as contented with the way in which they are treated and provided for."

A. R. URQUHART.

*Names of Attendants and Nurses who have gained the
Certificate of the Medico-Psychological Association—*

ROBERT KNIGHT. ¹	ANNE LOW. ⁴
JAMES SMITH. ⁸	HARRIET TAYLOR. ⁶
ISABELLA SCOTT. ²	JAMES CAIRNS. ²
HELEN CRAIG. ³	CHRISTIAN BISSET LUMSDEN. ²
ANNE DARLINGTON. ⁴	CAROLINE FLETCHER. ¹
WILLIAM D. PENNYCOOK. ¹	MARY MORRISON. ¹
AGNES MARY JAMESON. ⁷	JOHN M'LAGAN. ¹
JOHN BROWN. ⁷	DAVID DUNCAN. ¹
JEAN ANNE GLEGG. ⁵	ALEXR. WYLDE THORNLEY. ¹

¹Remains in this service. ²Private Nursing. ³Married. ⁴General
Hospital Nurse. ⁵Matron, Swift's Asylum, Dublin. ⁶Chief
Nurse, Aberdeen Asylum. ⁷Otherwise engaged. ⁸Head
Attendant, Gartloch Asylum.

TABLE

Showing Changes in the Population of the Asylum during the Year ending 31st March, 1899.

						Certificated		Voluntary.		TOTAL.
						M.	F.	M.	F.	
1st April, 1898.	{	Resident in the Asylum,				61	47	3	4	115
		Remaining on Pass, ... ..				...	...	...	...	...
		Remaining at Elie, ... ..				...	...	...	...	...
		Remaining at Kincarrathie,				3	5	0	0	8
		Total number on Asylum Books,				64	52	3	4	123
						Certificated		Voluntary.		TOTAL.
						M.	F.	M.	F.	
Cases Admitted—										
First Admissions,						21	18	5	4	48
Not First Admissions,						4	2	1	1	8
Total Cases admitted during the year,						25	20	6	5	56
Total Cases under care during the year,						89	72	9	9	179
						Certificated		Voluntary.		TOTAL.
						M.	F.	M.	F.	
Cases discharged and died—										
Recovered,						4	7	2	2	15
Relieved,						10	6	2	3	21
Not Improved,						0	0	2	0	2
Died,						7	3	0	0	10
Total Cases Discharged and Died during the year,						21	16	6	5	48
31st March, 1899.	{	Total number on Asylum Books,				68	56	3	4	131
		Remaining on Pass,				2	0	0	0	2
		Remaining at Elie, ... ..				...	...	...	...	...
		Remaining at Kincarrathie,				5	5	0	1	11
		Resident in the Asylum,				61	51	3	3	118

Officers, 5; Attendants, 16; Nurses, 17; Artisans, 16; Servants, 16.

						Certificated.		Voluntary.		TOTAL.
						M.	F.	M.	F.	
Average numbers on Books during the year,						67.45	55.04	4.69	4.59	131.77
Lowest number resident, 1st April, 1898,						64	52	3	4	123
Highest number resident, 29th June, 1898,						70	57	5	5	137
Persons under care during the year,						88	71	8	8	175
Persons admitted during the year,						24	19	6	4	53
Persons discharged recovered during the year,						4	7	2	2	15
Transferred from other Asylums,						1	2	1	0	4
Transferred to other Asylums,						3	2	0	0	5
Percentage of Recoveries on Admissions,						16.00	35.00	33.33	40.00	26.77
Percentage of Deaths on average numbers resident,						10.37	5.50	0	0	7.58

REPORTS

OF THE

COMMISSIONERS IN LUNACY

FOR THE YEAR.

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## REPORT BY DR. JOHN SIBBALD.

JAMES MURRAY'S ROYAL ASYLUM,  
*5th October, 1898.*

THERE are 130 patients at present on the Registers of the Asylum. Sixty-six gentlemen and 56 ladies are under certificates, and 6 gentlemen and 6 ladies are voluntary inmates. All are resident at this date and were seen during the visit, except 1 gentlemen and 3 ladies who are absent on pass.

Since 21st March, the date of the preceding entry, the following changes have taken place among the certificated patients :—

|                           | M. | F. | Totals. |
|---------------------------|----|----|---------|
| Patients admitted, - - -  | 13 | 13 | 26      |
| „ discharged recovered, - | 1  | 4  | 5       |
| „ discharged unrecovered, | 6  | 2  | 8       |
| „ dead, - - - -           | 5  | 2  | 7       |

Four gentlemen and 5 ladies have been admitted as voluntary inmates, and 1 gentleman and 3 ladies who were voluntary inmates have left.

The deaths are recorded in the Register as due to diseases of the brain in 3 cases, to diseases



of the heart in 2 cases, to pneumonia in 1 case, and to exhaustion from acute mania following influenza in 1 case. *Post-mortem* examinations were made in 3 cases.

The Register of Restraint and Seclusion contains 7 entries. Two of the entries refer to the use of the wet pack for 20 minutes each time, and five of them to the use of the camisole to prevent the removal of surgical dressings, all of them in the case of the same patient. No accident has occurred involving serious injury to any patient. Two instances of escape are recorded in which the patients were absent over night before being brought back to the Asylum.

The Asylum continues to be managed in an able and successful manner. The treatment of patients is kindly and judicious. The condition of each patient is carefully studied and receives skilful treatment, and in the general management there is a constant effort to increase the efficiency of the Institution.

All parts of the main building were found in excellent order. A series of bedrooms has been constructed on each side adjoining the corridors on the basement floor which connect the north galleries with those on the south. They are intended for attendants, and are nearly ready for occupation.

The separate house of Kincarrathie which, though technically part of the Asylum, stands within its own grounds, and has all the features of a private mansion, continues to afford excellent accommodation for patients of the more affluent class.

The Books and Registers of the Asylum were



examined and were found regularly and correctly kept. The Case Books are admirably kept, and are clinical records of great value.

JOHN SIBBALD,

*Commissioner in Lunacy.*

# REPORT BY DR. JOHN FRASER.

JAMES MURRAY'S ROYAL ASYLUM,

*27th April, 1899.*

THERE are 125 patients on the Registers of the Asylum at this date. Of these, 64 gentlemen and 54 ladies are certificated patients, and 4 gentlemen and 3 ladies are voluntary inmates. One gentleman is absent on pass. Seven patients reside at Kincarrathie, 5 are at present in the seaside residence at Elie, and 112 are in the main Asylum.

The changes among the certificated patients since 5th October, 1898, the date of last visit, are as follows :—

|                         | M. | F. | Totals |
|-------------------------|----|----|--------|
| Admitted, - - -         | 12 | 9  | 21     |
| Discharged Recovered, - | 4  | 5  | 9      |
| Discharged Unrecovered, | 8  | 5  | 13     |
| Dead, - - - -           | 2  | 1  | 3      |

During the same period, 3 gentlemen have been admitted as voluntary inmates, and 5 gentlemen and 3 ladies who were in the Asylum in that position have left.

The deaths are registered as due in 1 case to general paralysis, in 1 case to diarrhœa, and in 1 case to phthisis pulmonalis. A *post-mortem* examination was made in 1 case.



The Register of Restraint and Seclusion contains 36 entries. Thirty-four of the entries refer to the use of restraint in the case of 1 patient, in order to prevent interference with surgical dressings, and 2 of the entries refer to the use of seclusion in the treatment of 1 patient. There has been no accident of a serious character, and no escape has taken place.

Dr. Urquhart was absent on holiday, and the Asylum was under the care of Dr. Keith Campbell and Dr. M<sup>c</sup>Grigor. Every patient in the main Asylum and at Kincarrathie was seen and afforded an opportunity of speaking to the Commissioner. No complaint of a reasonable character was made by any inmate, and those patients who were competent to express an opinion declared themselves as contented with the way in which they are treated and provided for. It was abundantly evident during the visit that every detail in the condition and care of the patients receives thorough consideration, and that the Asylum is managed in a very efficient and successful manner.

The whole establishment was, as usual, found scrupulously clean and in excellent order.

The Books and Registers were examined and were found regularly and accurately kept.

JOHN FRASER,  
*Commissioner in Lunacy.*



1898.

STATISTICAL TABLES OF THE MEDICO-  
PSYCHOLOGICAL ASSOCIATION.

PREPARED BY DR. H. J. MCGRIGOR.

*(These Tables do not include Voluntary Patients).*



TABLE 1

Showing the Admissions, Re-Admissions, Discharges, and Deaths during the Year ending 31st December, 1898

|                                                      | M. | F. | T. | M.    | F.    | T.     |
|------------------------------------------------------|----|----|----|-------|-------|--------|
| In the Asylum, 1st January, 1898, ...                |    |    |    | 62    | 50    | 112    |
| Cases Admitted—                                      |    |    |    |       |       |        |
| First Admissions, ... ..                             | 20 | 16 | 36 |       |       |        |
| Not First Admissions, ... ..                         | 2  | 3  | 5  |       |       |        |
| Total Cases Admitted, ... ..                         |    |    |    | 22    | 19    | 41     |
| Total Cases under care during the year,              |    |    |    | 84    | 69    | 153    |
| Cases Discharged and Died—                           |    |    |    |       |       |        |
| Recovered, ... ..                                    | 4  | 7  | 11 |       |       |        |
| Relieved, ... ..                                     | 11 | 4  | 15 |       |       |        |
| Not Improved, ... ..                                 | 1  | 0  | 1  |       |       |        |
| Died, ... ..                                         | 5  | 2  | 7  |       |       |        |
| Total Cases Discharged and Died, ...                 |    |    |    | 21    | 13    | 34     |
| Remaining in the Asylum, 31st December, 1898, ... .. |    |    |    | 63    | 56    | 119    |
| Average resident during the year, ... ..             |    |    |    | 72·07 | 52·23 | 125·28 |
| Persons* under care during the year,†                |    |    |    | 84    | 68    | 152    |
| Persons admitted ,, ... ..                           |    |    |    | 22    | 18    | 40     |
| Persons recovered ,, ... ..                          |    |    |    | 4     | 7     | 11     |
| Transferred‡ to this Asylum, ... ..                  |    |    |    | 0     | 2     | 2      |
| Transferred from this Asylum, ... ..                 |    |    |    | 4     | 2     | 6      |

\* Persons, *i.e.*, separate persons, in contradistinction to "cases," which may include the same individual more than once.

† Total cases, minus re-admissions of patients discharged during the current year.

‡ Patients transferred from one Asylum to another, even when re-certified, are to be regarded as transfers.



**TABLE 1a**

Showing (1) the Previous Attacks among Persons admitted during 1898, and (2) the Number of Times they had previously Recovered in this or any Asylum

| (1) Number of Previous Attacks  | Persons |        |       |
|---------------------------------|---------|--------|-------|
|                                 | Male    | Female | Total |
| Have had One Attack, ... ..     | 3       | 4      | 7     |
| „ Two Attacks, ... ..           | 1       | 3      | 4     |
| „ Three or more Attacks, ... .. | ...     | ...    | ...   |

| (2) Number of Times Patients Recovered | In this Asylum |     |     | In any Asylum |     |     |
|----------------------------------------|----------------|-----|-----|---------------|-----|-----|
|                                        | M.             | F.  | T.  | M.            | F.  | T.  |
| Once, ... ..                           | 2              | 2   | 4   | 2             | 1   | 3   |
| Twice, ... ..                          | 0              | 1   | 1   | 1             | 1   | 2   |
| Thrice or more, ... ..                 | ...            | ... | ... | ...           | ... | ... |



TABLE 2

Showing the Admissions, Re-admissions, Discharges, and Deaths for the Thirty-Three Years from the 1st of January, 1865, to the 31st December, 1898

|                                                 | M.  | F.  | T.  | M.    | F.    | T.    |
|-------------------------------------------------|-----|-----|-----|-------|-------|-------|
| Number resident, January 1st, 1865, ... ..      |     |     |     | 37    | 34    | 71    |
| Persons Admitted during the period of 34 years, | 395 | 378 | 773 |       |       |       |
| Re-admissions, ... ..                           | 74  | 95  | 169 |       |       |       |
| Total Cases Admitted, ... ..                    |     |     |     | 469   | 473   | 942   |
| Total Cases under care during the 34 years, ... |     |     |     | 506   | 507   | 1013  |
| Cases Discharged and Died—                      |     |     |     |       |       |       |
| Recovered, ... ..                               | 147 | 176 | 323 |       |       |       |
| Relieved, ... ..                                | 137 | 133 | 270 |       |       |       |
| Not Improved, ... ..                            | 63  | 67  | 130 |       |       |       |
| Died, ... ..                                    | 96  | 75  | 171 |       |       |       |
| Total Cases Discharged and Died, ... ..         |     |     |     | 443   | 451   | 894   |
| Remaining 31st December, 1898, ... ..           |     |     |     | 63    | 56    | 119   |
|                                                 |     |     |     | M.    | F.    | T.    |
| Average resident during the 34 years, ... ..    |     |     |     | 44'01 | 41'70 | 86'06 |
| Transferred to this Asylum, ... ..              |     |     |     | 64    | 54    | 118   |
| Transferred from this Asylum, ... ..            |     |     |     | 96    | 82    | 178   |



TABLE 2a

Showing the Admissions and Recoveries of Persons\* from 1st January, 1865, to 31st December, 1898 (a period of Thirty-Four Years)

| History of Recoveries of Persons                                                                            |     |     |     | The same, only omitting all Persons transferred from other Asylums |               |     |
|-------------------------------------------------------------------------------------------------------------|-----|-----|-----|--------------------------------------------------------------------|---------------|-----|
|                                                                                                             | M.  | F.  | T.  | M.                                                                 | F.            | T.  |
| Persons Admitted during 34 years, ... ..                                                                    | 397 | 380 | 777 | 362                                                                | 355           | 717 |
| Of whom were Discharged Recovered during the same period, being 34·74 per cent. of Persons Admitted, ... .. | 128 | 142 | 270 | 122<br>(per cent.                                                  | 136<br>35·98) | 258 |
| Of whom were Re-admitted Relapsed,† ...                                                                     | 24  | 37  | 61  | 22                                                                 | 34            | 56  |
| Leaving Recovered Persons who have not Relapsed, ... ..                                                     | 104 | 105 | 209 | 100                                                                | 102           | 202 |
| Relapsed Persons Discharged Recovered,‡ ...                                                                 | 21  | 21  | 42  | 21                                                                 | 21            | 42  |
| Net Recovered Persons, § being 32·30 per cent. of Persons Admitted, ... ..                                  | 125 | 126 | 251 | 121<br>(per cent.                                                  | 123<br>34·03) | 244 |

\* Persons, *i.e.*, separate persons, in contradistinction to "cases," which may include the same individual more than once.

*Re-admission* applies only to re-admission into this Asylum.

† *i.e.*, Persons who have relapsed one or more times.

‡ *i.e.*, After last re-admission, if relapsed more than once.

§ *i.e.*, Recovered persons sane at the present time so far as the Asylum statistics show.



TABLE 3:—Showing the Admissions, Discharges, and Deaths per cent. of the Admissions, for each Year since 1827-1864

| Year        | Admitted |      |      | DISCHARGED |     |     |          |     |     |              |     |     | Died |     |     |
|-------------|----------|------|------|------------|-----|-----|----------|-----|-----|--------------|-----|-----|------|-----|-----|
|             |          |      |      | Recovered  |     |     | Relieved |     |     | Not Improved |     |     |      |     |     |
|             | M.       | F.   | T.   | M.         | F.  | T.  | M.       | F.  | T.  | M.           | F.  | T.  | M.   | F.  | T.  |
| 1827-1864   | 722      | 746  | 1468 | 262        | 361 | 623 | 97       | 114 | 211 | 158          | 129 | 287 | 168  | 108 | 276 |
| 1865.....   | 13       | 9    | 22   | 4          | 3   | 7   | 5        | 2   | 7   | 2            | 7   | 9   | 1    | 0   | 1   |
| 1866.....   | 12       | 6    | 18   | 4          | 6   | 10  | 5        | 4   | 9   | 2            | 1   | 3   | 2    | 2   | 4   |
| 1867.....   | 15       | 7    | 22   | 3          | 3   | 6   | 5        | 2   | 7   | 0            | 0   | 0   | 5    | 1   | 6   |
| 1868.....   | 12       | 14   | 26   | 4          | 3   | 7   | 2        | 0   | 2   | 1            | 2   | 3   | 1    | 3   | 4   |
| 1869.....   | 22       | 18   | 40   | 4          | 4   | 8   | 7        | 2   | 9   | 2            | 2   | 4   | 3    | 0   | 3   |
| 1870.....   | 10       | 17   | 27   | 5          | 4   | 9   | 2        | 3   | 5   | 4            | 7   | 11  | 2    | 4   | 6   |
| 1871.....   | 9        | 25   | 34   | 3          | 6   | 9   | 4        | 6   | 10  | 4            | 4   | 8   | 2    | 6   | 8   |
| 1872.....   | 13       | 9    | 22   | 4          | 4   | 8   | 2        | 1   | 3   | 3            | 4   | 7   | 1    | 2   | 3   |
| 1873.....   | 8        | 9    | 17   | 3          | 3   | 6   | 2        | 3   | 5   | 5            | 5   | 10  | 2    | 2   | 4   |
| 1874.....   | 6        | 13   | 19   | 3          | 2   | 5   | 3        | 6   | 9   | 2            | 2   | 4   | 2    | 3   | 5   |
| 1875.....   | 5        | 8    | 13   | 2          | 3   | 5   | 1        | 2   | 3   | 1            | 0   | 1   | 4    | 3   | 7   |
| 1876.....   | 10       | 7    | 17   | 2          | 5   | 7   | 0        | 1   | 1   | 0            | 3   | 3   | 3    | 3   | 6   |
| 1877.....   | 8        | 6    | 14   | 2          | 0   | 2   | 5        | 3   | 8   | 5            | 1   | 6   | 0    | 0   | 6   |
| 1878.....   | 2        | 7    | 9    | 1          | 6   | 7   | 1        | 2   | 3   | 2            | 2   | 4   | 1    | 0   | 5   |
| 1879.....   | 9        | 10   | 19   | 2          | 2   | 4   | 0        | 1   | 1   | 1            | 0   | 1   | 2    | 2   | 6   |
| 1880.....   | 10       | 16   | 26   | 2          | 6   | 8   | 2        | 1   | 3   | 0            | 0   | 0   | 4    | 1   | 7   |
| 1881.....   | 10       | 7    | 17   | 5          | 5   | 10  | 2        | 7   | 9   | 1            | 0   | 1   | 3    | 1   | 4   |
| 1882.....   | 6        | 10   | 16   | 1          | 0   | 1   | 3        | 4   | 7   | 2            | 3   | 5   | 4    | 1   | 5   |
| 1883.....   | 21       | 14   | 35   | 6          | 8   | 14  | 2        | 2   | 4   | 2            | 3   | 5   | 2    | 2   | 7   |
| 1884.....   | 11       | 18   | 29   | 3          | 5   | 8   | 4        | 3   | 7   | 3            | 1   | 4   | 2    | 5   | 8   |
| 1885.....   | 14       | 16   | 30   | 2          | 4   | 6   | 5        | 6   | 11  | 1            | 4   | 5   | 2    | 1   | 6   |
| 1886.....   | 19       | 15   | 34   | 9          | 5   | 14  | 9        | 6   | 15  | 3            | 1   | 4   | 1    | 1   | 6   |
| 1887.....   | 18       | 28   | 46   | 7          | 11  | 18  | 3        | 10  | 13  | 0            | 4   | 4   | 2    | 1   | 5   |
| 1888.....   | 17       | 19   | 36   | 5          | 7   | 12  | 6        | 7   | 13  | 0            | 2   | 2   | 1    | 2   | 4   |
| 1889.....   | 12       | 12   | 24   | 3          | 7   | 10  | 6        | 9   | 15  | 0            | 0   | 0   | 6    | 2   | 4   |
| 1890.....   | 16       | 19   | 35   | 2          | 6   | 8   | 7        | 2   | 9   | 3            | 0   | 3   | 4    | 3   | 7   |
| 1891.....   | 16       | 18   | 34   | 6          | 8   | 14  | 7        | 4   | 11  | 1            | 1   | 2   | 6    | 5   | 8   |
| 1892.....   | 18       | 14   | 32   | 2          | 7   | 9   | 3        | 4   | 7   | 4            | 1   | 5   | 4    | 5   | 9   |
| 1893.....   | 20       | 14   | 34   | 12         | 7   | 19  | 6        | 4   | 10  | 1            | 0   | 1   | 3    | 3   | 6   |
| 1894.....   | 21       | 14   | 35   | 7          | 5   | 12  | 3        | 5   | 8   | 2            | 0   | 2   | 7    | 2   | 7   |
| 1895.....   | 19       | 20   | 39   | 6          | 8   | 14  | 5        | 7   | 12  | 1            | 2   | 3   | 2    | 1   | 3   |
| 1896.....   | 23       | 17   | 40   | 10         | 6   | 16  | 6        | 7   | 13  | 3            | 3   | 6   | 3    | 3   | 6   |
| 1897.....   | 22       | 18   | 40   | 9          | 10  | 19  | 3        | 3   | 6   | 1            | 2   | 3   | 4    | 3   | 7   |
| 1898.....   | 22       | 19   | 41   | 4          | 7   | 11  | 11       | 4   | 15  | 1            | 0   | 1   | 5    | 2   | 7   |
| For 34 yrs. | 469      | 473  | 942  | 147        | 176 | 323 | 137      | 133 | 270 | 63           | 67  | 130 | 96   | 75  | 171 |
| Gen. Totals | 1191     | 1219 | 2410 | 409        | 537 | 946 | 234      | 247 | 481 | 221          | 196 | 417 | 264  | 183 | 447 |



the mean Annual Mortality and Proportion of Recoveries  
opening of the Asylum, 30th of June, 1827

| Opening 31st<br>month in<br>each year |     | Average Number<br>Resident |       |        | Percentage of Recoveries<br>on Admissions |        |       | Percentage of Deaths<br>on Average Number<br>Resident |       |       |
|---------------------------------------|-----|----------------------------|-------|--------|-------------------------------------------|--------|-------|-------------------------------------------------------|-------|-------|
| F.                                    | T.  | M.                         | F.    | T.     | M.                                        | F.     | T.    | M.                                                    | F.    | T.    |
| 34                                    | 71  | 73·13                      | 62·30 | 135·4  | 36·28                                     | 48·39  | 42·43 | 5·66                                                  | 4·36  | 5·05  |
| 31                                    | 69  | 39·60                      | 34·00 | 73·60  | 30·77                                     | 33·33  | 31·82 | 3·21                                                  | ...   | 1·36  |
| 21                                    | 61  | 37·09                      | 24·80 | 61·89  | 33·33                                     | 100·00 | 55·55 | 5·39                                                  | 8·02  | 6·46  |
| 25                                    | 64  | 39·67                      | 25·46 | 65·13  | 20·00                                     | 42·85  | 27·27 | 12·60                                                 | 3·92  | 9·21  |
| 31                                    | 74  | 38·08                      | 30·09 | 68·17  | 38·46                                     | 15·38  | 26·92 | 2·62                                                  | 9·97  | 5·87  |
| 41                                    | 90  | 45·77                      | 40·56 | 86·33  | 18·18                                     | 22·22  | 20·00 | 6·55                                                  | ...   | 3·47  |
| 40                                    | 86  | 48·54                      | 41·75 | 90·29  | 50·00                                     | 23·53  | 33·33 | 4·12                                                  | 9·58  | 6·64  |
| 43                                    | 85  | 45·65                      | 41·87 | 87·52  | 33·33                                     | 24·00  | 26·47 | 4·38                                                  | 14·27 | 9·13  |
| 41                                    | 86  | 42·92                      | 41·10 | 84·02  | 30·77                                     | 44·44  | 36·36 | 2·32                                                  | 4·86  | 3·57  |
| 38                                    | 79  | 42·70                      | 40·64 | 83·34  | 37·50                                     | 33·33  | 35·29 | 4·68                                                  | 4·92  | 4·79  |
| 37                                    | 74  | 37·39                      | 41·23 | 78·62  | 50·00                                     | 15·38  | 26·31 | 5·35                                                  | 7·27  | 6·35  |
| 37                                    | 71  | 36·36                      | 34·19 | 70·55  | 40·00                                     | 37·50  | 38·46 | 11·00                                                 | 8·77  | 9·92  |
| 32                                    | 71  | 36·87                      | 37·16 | 74·03  | 20·00                                     | 71·42  | 41·17 | 8·14                                                  | 8·10  | 8·10  |
| 34                                    | 69  | 36·83                      | 34·41 | 71·24  | 25·00                                     | ...    | 14·28 | ...                                                   | ...   | ...   |
| 31                                    | 63  | 33·18                      | 35·74 | 68·92  | 50·00                                     | 85·71  | 77·77 | 3·01                                                  | ...   | 1·45  |
| 36                                    | 72  | 34·13                      | 33·79 | 67·72  | 22·22                                     | 30·00  | 26·31 | 5·83                                                  | 5·92  | 5·88  |
| 44                                    | 82  | 37·80                      | 38·93 | 76·73  | 20·00                                     | 37·50  | 30·76 | 15·82                                                 | 2·56  | 6·43  |
| 38                                    | 75  | 38·12                      | 40·58 | 78·70  | 50·00                                     | 71·42  | 58·82 | 7·87                                                  | 2·46  | 6·43  |
| 40                                    | 73  | 31·58                      | 40·95 | 72·53  | 16·66                                     | ...    | 6·25  | 12·60                                                 | 2·44  | 6·89  |
| 39                                    | 81  | 38·24                      | 42·00 | 80·24  | 28·57                                     | 57·14  | 40·00 | 5·20                                                  | 4·76  | 4·99  |
| 43                                    | 84  | 41·88                      | 40·57 | 82·45  | 27·25                                     | 27·77  | 27·58 | 4·75                                                  | 12·07 | 8·48  |
| 44                                    | 89  | 44·18                      | 44·93 | 89·11  | 14·28                                     | 25·00  | 20·00 | 4·52                                                  | 2·44  | 3·37  |
| 46                                    | 88  | 44·70                      | 44·73 | 89·43  | 47·32                                     | 33·33  | 41·17 | 2·23                                                  | 2·23  | 2·23  |
| 48                                    | 96  | 44·45                      | 50·00 | 94·45  | 38·88                                     | 39·28  | 39·13 | 4·49                                                  | 2·00  | 3·17  |
| 49                                    | 102 | 49·15                      | 47·52 | 96·67  | 29·41                                     | 36·84  | 33·33 | 2·03                                                  | 4·20  | 3·10  |
| 43                                    | 93  | 51·43                      | 45·55 | 96·98  | 25·00                                     | 58·33  | 41·66 | 11·08                                                 | 4·40  | 8·24  |
| 51                                    | 101 | 49·28                      | 45·76 | 95·04  | 12·50                                     | 31·58  | 22·85 | 8·11                                                  | 6·55  | 7·36  |
| 51                                    | 97  | 49·59                      | 50·24 | 99·83  | 37·50                                     | 44·44  | 41·18 | 13·04                                                 | 9·80  | 11·34 |
| 48                                    | 99  | 48·09                      | 52·44 | 100·53 | 11·11                                     | 50·00  | 28·12 | 8·31                                                  | 9·53  | 8·95  |
| 48                                    | 97  | 46·78                      | 48·16 | 94·94  | 60·00                                     | 50·00  | 55·90 | 6·41                                                  | 6·22  | 6·31  |
| 50                                    | 101 | 51·11                      | 49·60 | 100·71 | 33·30                                     | 35·71  | 34·28 | 13·69                                                 | 4·03  | 8·93  |
| 52                                    | 108 | 53·54                      | 51·70 | 102·25 | 31·60                                     | 40·00  | 35·90 | 3·73                                                  | 1·93  | 2·93  |
| 50                                    | 107 | 55·47                      | 50·27 | 105·74 | 43·47                                     | 30·70  | 40·00 | 5·40                                                  | 5·96  | 5·67  |
| 50                                    | 112 | 60·24                      | 50·23 | 110·47 | 40·90                                     | 55·55  | 47·50 | 6·64                                                  | 5·97  | 6·33  |
| 56                                    | 119 | 72·07                      | 52·23 | 125·28 | 18·18                                     | 36·82  | 27·80 | 6·93                                                  | 3·82  | 5·68  |
| Average or<br>percentage              |     | 44·01                      | 41·70 | 86·06  | 30·45                                     | 36·19  | 35·28 | 6·39                                                  | 5·26  | 5·65  |
|                                       |     | 58·70                      | 51·03 | 111·77 | 33·48                                     | 42·54  | 39·14 | 6·01                                                  | 4·79  | 5·33  |



TABLE 4:—Showing the History of the Annual Admissions  
the Numbers of each Year remaining on the

| Admitted          |            |     |                |     |      | Of each Year's Admissions Discharged and Died |     |     |          |     |     |              |     |     |      |     |     |     |
|-------------------|------------|-----|----------------|-----|------|-----------------------------------------------|-----|-----|----------|-----|-----|--------------|-----|-----|------|-----|-----|-----|
| Year              | First Time |     | Not First Time |     | Tot. | Recovered                                     |     |     | Relieved |     |     | Not Improved |     |     | Died |     |     |     |
|                   | M.         | F.  | M.             | F.  |      | M.                                            | F.  | T.  | M.       | F.  | T.  | M.           | F.  | T.  | M.   | F.  | T.  |     |
| 1827 to 1864      | 625        | 601 | 97             | 145 | 1468 | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | 0   | 1   | 1   |
| 1865              | 9          | 9   | 4              | 0   | 22   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1866              | 11         | 3   | 1              | 3   | 18   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1867              | 12         | 6   | 3              | 1   | 22   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1868              | 10         | 11  | 2              | 3   | 26   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1869              | 19         | 15  | 3              | 3   | 40   | ...                                           | ... | ... | 1        | 0   | 1   | ...          | ... | ... | ...  | ... | ... | ... |
| 1870              | 7          | 12  | 3              | 5   | 27   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1871              | 8          | 22  | 1              | 3   | 34   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1872              | 12         | 7   | 1              | 2   | 22   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1873              | 5          | 7   | 3              | 2   | 17   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1874              | 5          | 9   | 1              | 4   | 19   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1875              | 3          | 7   | 2              | 1   | 13   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1876              | 10         | 5   | 0              | 2   | 17   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1877              | 7          | 6   | 1              | 0   | 14   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1878              | 2          | 6   | 0              | 1   | 9    | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1879              | 9          | 9   | 0              | 1   | 19   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1880              | 9          | 15  | 1              | 1   | 26   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1881              | 9          | 5   | 1              | 2   | 17   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1882              | 6          | 9   | 0              | 1   | 16   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1883              | 20         | 11  | 1              | 3   | 35   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1884              | 9          | 14  | 2              | 4   | 29   | ...                                           | ... | ... | 0        | 2   | 2   | ...          | ... | ... | ...  | ... | ... | ... |
| 1885              | 12         | 11  | 2              | 5   | 30   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1886              | 17         | 13  | 2              | 2   | 34   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1887              | 14         | 22  | 4              | 6   | 46   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1888              | 12         | 11  | 5              | 8   | 36   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1889              | 12         | 10  | 0              | 2   | 24   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1890              | 13         | 15  | 3              | 4   | 35   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1891              | 13         | 14  | 3              | 4   | 34   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1892              | 13         | 13  | 5              | 1   | 32   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | ... | ... | ... |
| 1893              | 18         | 11  | 2              | 3   | 34   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | 1   | 0   | 1   |
| 1894              | 17         | 9   | 4              | 5   | 35   | ...                                           | ... | ... | ...      | ... | ... | ...          | ... | ... | ...  | 1   | 1   | 2   |
| 1895              | 15         | 12  | 4              | 8   | 39   | 1                                             | 2   | 3   | ...      | ... | ... | ...          | ... | ... | ...  | 1   | 1   | 2   |
| 1896              | 15         | 16  | 8              | 1   | 40   | 3                                             | 4   | 7   | 1        | 0   | 1   | 0            | 1   | 1   | 2    | 0   | 0   | 2   |
| 1897              | 22         | 17  | 0              | 1   | 40   | 5                                             | 4   | 9   | 1        | 1   | 2   | 1            | 1   | 2   | 1    | 2   | 3   | 3   |
| 1898              | 20         | 16  | 2              | 3   | 41   | 2                                             | 7   | 9   | 4        | 1   | 5   | ...          | ... | ... | 2    | 0   | 2   | 2   |
| Tot. for 34 Years | 395        | 378 | 74             | 95  | 942  | 11                                            | 17  | 28  | 7        | 4   | 11  | 1            | 2   | 3   | 6    | 3   | 9   | 9   |
| General Totals,   | 1017       | 979 | 174            | 240 | 2410 | 11                                            | 17  | 28  | 7        | 4   | 11  | 1            | 2   | 3   | 6    | 3   | 9   | 9   |



since 30th June, 1827, with the Discharges and Deaths and  
31st December of the Year reported on

| Total Discharged and Died of each Year's Admissions to<br>31st December, 1898 |     |     |          |     |     |              |     |     |      |     |     | Remaining<br>on<br>31st December,<br>1898 |    |     |
|-------------------------------------------------------------------------------|-----|-----|----------|-----|-----|--------------|-----|-----|------|-----|-----|-------------------------------------------|----|-----|
| Recovered                                                                     |     |     | Relieved |     |     | Not Improved |     |     | Died |     |     | M.                                        | F. | T.  |
| M.                                                                            | F.  | T.  | M.       | F.  | T.  | M.           | F.  | T.  | M.   | F.  | T.  |                                           |    |     |
| 261                                                                           | 368 | 629 | 106      | 115 | 221 | 167          | 140 | 307 | 185  | 120 | 305 | 3                                         | 3  | 6   |
| 5                                                                             | 4   | 9   | 5        | 4   | 9   | 1            | 1   | 2   | 2    | 0   | 2   | 0                                         | 0  | 0   |
| 3                                                                             | 3   | 6   | 5        | 1   | 6   | 0            | 1   | 1   | 4    | 1   | 5   | 0                                         | 0  | 0   |
| 5                                                                             | 1   | 6   | 3        | 4   | 7   | 3            | 2   | 5   | 3    | 0   | 3   | 1                                         | 0  | 1   |
| 5                                                                             | 4   | 9   | 4        | 2   | 6   | 1            | 4   | 5   | 2    | 4   | 6   | 0                                         | 0  | 0   |
| 5                                                                             | 3   | 8   | 7        | 6   | 13  | 5            | 5   | 10  | 3    | 4   | 7   | 2                                         | 0  | 2   |
| 2                                                                             | 8   | 10  | 3        | 1   | 4   | 2            | 3   | 5   | 3    | 2   | 5   | 0                                         | 3  | 3   |
| 4                                                                             | 6   | 10  | 1        | 6   | 7   | 3            | 6   | 9   | 1    | 7   | 8   | 0                                         | 0  | 0   |
| 4                                                                             | 3   | 7   | 3        | 3   | 6   | 2            | 1   | 3   | 3    | 2   | 5   | 1                                         | 0  | 1   |
| 2                                                                             | 3   | 5   | 2        | 3   | 5   | 3            | 3   | 6   | 1    | 0   | 1   | 0                                         | 0  | 0   |
| 3                                                                             | 4   | 7   | 1        | 5   | 6   | 0            | 1   | 1   | 2    | 3   | 5   | 0                                         | 0  | 0   |
| 1                                                                             | 1   | 2   | 3        | 3   | 6   | 1            | 2   | 3   | 0    | 2   | 2   | 0                                         | 0  | 0   |
| 3                                                                             | 3   | 6   | 4        | 1   | 5   | 1            | 1   | 2   | 2    | 2   | 4   | 0                                         | 0  | 0   |
| 2                                                                             | 1   | 3   | 1        | 3   | 4   | 4            | 2   | 6   | 1    | 0   | 1   | 0                                         | 0  | 0   |
| 1                                                                             | 4   | 5   | 0        | 2   | 2   | 0            | 1   | 1   | 1    | 0   | 1   | 0                                         | 0  | 0   |
| 1                                                                             | 6   | 7   | 2        | 1   | 3   | 2            | 1   | 3   | 2    | 1   | 3   | 2                                         | 1  | 3   |
| 3                                                                             | 4   | 7   | 3        | 8   | 11  | 1            | 1   | 2   | 3    | 3   | 6   | 0                                         | 0  | 0   |
| 5                                                                             | 3   | 8   | 1        | 2   | 3   | 3            | 2   | 5   | 1    | 0   | 1   | 0                                         | 0  | 0   |
| 2                                                                             | 2   | 4   | 2        | 4   | 6   | 0            | 1   | 1   | 1    | 2   | 3   | 1                                         | 1  | 2   |
| 4                                                                             | 6   | 10  | 7        | 1   | 8   | 3            | 1   | 4   | 4    | 6   | 10  | 3                                         | 0  | 3   |
| 3                                                                             | 5   | 8   | 3        | 6   | 9   | 2            | 3   | 5   | 3    | 4   | 7   | 0                                         | 0  | 0   |
| 6                                                                             | 6   | 12  | 5        | 6   | 11  | 1            | 0   | 1   | 1    | 1   | 2   | 1                                         | 3  | 4   |
| 9                                                                             | 5   | 14  | 8        | 7   | 15  | 0            | 2   | 2   | 1    | 0   | 1   | 1                                         | 1  | 2   |
| 6                                                                             | 10  | 16  | 3        | 10  | 13  | 2            | 2   | 4   | 2    | 0   | 2   | 5                                         | 6  | 11  |
| 5                                                                             | 8   | 13  | 6        | 9   | 15  | 0            | 1   | 1   | 4    | 1   | 5   | 2                                         | 0  | 2   |
| 2                                                                             | 4   | 6   | 7        | 4   | 11  | 0            | 0   | 0   | 2    | 3   | 5   | 1                                         | 1  | 2   |
| 3                                                                             | 9   | 12  | 4        | 3   | 7   | 2            | 0   | 2   | 4    | 4   | 8   | 3                                         | 3  | 6   |
| 4                                                                             | 10  | 14  | 6        | 4   | 10  | 3            | 1   | 4   | 1    | 0   | 1   | 2                                         | 3  | 5   |
| 10                                                                            | 6   | 16  | 5        | 6   | 11  | 1            | 1   | 2   | 1    | 1   | 2   | 1                                         | 0  | 1   |
| 5                                                                             | 5   | 10  | 3        | 3   | 6   | 1            | 1   | 2   | 8    | 1   | 9   | 2                                         | 4  | 6   |
| 9                                                                             | 7   | 16  | 4        | 3   | 7   | 2            | 2   | 4   | 2    | 2   | 4   | 4                                         | 0  | 4   |
| 7                                                                             | 9   | 16  | 3        | 4   | 7   | 0            | 1   | 1   | 3    | 2   | 5   | 7                                         | 4  | 11  |
| 10                                                                            | 5   | 15  | 2        | 2   | 4   | 3            | 2   | 5   | 2    | 1   | 3   | 6                                         | 7  | 13  |
| 5                                                                             | 4   | 9   | 1        | 1   | 2   | 1            | 1   | 2   | 1    | 2   | 3   | 14                                        | 10 | 24  |
| 2                                                                             | 7   | 9   | 4        | 1   | 5   | ...          | ... | ... | 2    | 0   | 2   | 14                                        | 11 | 25  |
| 146                                                                           | 169 | 315 | 121      | 129 | 250 | 53           | 56  | 109 | 76   | 61  | 137 | 73                                        | 58 | 131 |
| 407                                                                           | 537 | 944 | 227      | 244 | 471 | 220          | 196 | 416 | 261  | 181 | 442 | 76                                        | 61 | 137 |



TABLE 4 (contd.)

| Summary of Total Admissions    |     |     |     |     |     |     | Male  | Female | Total |
|--------------------------------|-----|-----|-----|-----|-----|-----|-------|--------|-------|
| Percentage of Cases Recovered, | ... | ... | ... | ... | ... | ... | 34'34 | 44'05  | 39'25 |
| „ „ Relieved,                  | ... | ... | ... | ... | ... | ... | 19'64 | 20'26  | 19'95 |
| „ „ Not Improved,              | ... | ... | ... | ... | ... | ... | 18'56 | 16'09  | 17'32 |
| „ „ Died,                      | ... | ... | ... | ... | ... | ... | 22'18 | 15'01  | 18'55 |
| „ „ Remaining,                 | ... | ... | ... | ... | ... | ... | 5'28  | 4'59   | 4'93  |
|                                |     |     |     |     |     |     | 100   | 100    | 100   |



TABLE 5

Showing the Causes of Death, with the Ages at Death, during the Year 1898

| Cause of Death         | Between<br>25 and 30 |       |       | Between<br>35 and 40 |       |       | Between<br>40 and 45 |       |       | Between<br>50 and 55 |       |       | Between<br>60 and 65 |       |       | Between<br>65 and 70 |       |       | Between<br>80 and 85 |       |       | Totals |       |       |
|------------------------|----------------------|-------|-------|----------------------|-------|-------|----------------------|-------|-------|----------------------|-------|-------|----------------------|-------|-------|----------------------|-------|-------|----------------------|-------|-------|--------|-------|-------|
|                        | M.                   | F.    | T.    | M.                   | F.    | T.    | M.                   | F.    | T.    | M.                   | F.    | T.    | M.                   | F.    | T.    | M.                   | F.    | T.    | M.                   | F.    | T.    | M.     | F.    | T.    |
| Cerebral Apoplexy, ... | .....                | ..... | ..... | .....                | ..... | ..... | .....                | ..... | ..... | .....                | ..... | ..... | .....                | ..... | ..... | .....                | ..... | ..... | .....                | ..... | ..... | .....  | ..... | ..... |
| General Paralysis, ... | I                    | O     | I     | I                    | O     | I     | ..                   | ..... | ..... | I                    | O     | I     | ..                   | ..... | ..... | .....                | ..... | ..... | O                    | I     | I     | O      | I     | I     |
| Heart Disease, ...     | .....                | ..... | ..... | .....                | ..... | ..... | .....                | ..... | ..... | .....                | ..... | ..... | I                    | O     | I     | O                    | I     | I     | .....                | ..... | ..... | I      | I     | 2     |
| Pneumonia, ...         | .....                | ..... | ..... | .....                | ..... | ..... | I                    | O     | I     | .....                | ..... | ..... | .....                | ..... | ..... | .....                | ..... | ..... | .....                | ..... | ..... | I      | O     | I     |
| Total, ...             | I                    | O     | I     | I                    | O     | I     | I                    | O     | I     | I                    | O     | I     | I                    | O     | I     | O                    | I     | I     | O                    | I     | I     | 5      | 2     | 7     |



TABLE 6

Showing the Length of Residence in those Discharged Recovered  
and in those who have Died during the Year 1898

| Length of Residence         |     |          |         |     |     | Recovered |     |     | Died |     |     |
|-----------------------------|-----|----------|---------|-----|-----|-----------|-----|-----|------|-----|-----|
|                             |     |          |         |     |     | M.        | F.  | T.  | M.   | F.  | T.  |
| Under 1 Month,              | ... | ...      | ...     | ... | ... | 0         | 2   | 2   | 1    | 0   | 1   |
| 1 Month and under 3 Months, | ... | ...      | ...     | ... | ... | 1         | 0   | 1   | ...  | ... | ... |
| 3 Months                    | „   | 6        | „       | ... | ... | 2         | 4   | 6   | 1    | 0   | 1   |
| 6                           | „   | „        | 9       | „   | ... | 0         | 1   | 1   | ...  | ... | ... |
| 9                           | „   | „        | 1 Year, | ... | ... | ...       | ... | ... | ...  | ... | ... |
| 1 Year                      | „   | 2 Years, | ...     | ... | ... | 1         | 0   | 1   | 2    | 0   | 2   |
| 2 Years                     | „   | 3        | „       | ... | ... | ...       | ... | ... | ...  | ... | ... |
| 3                           | „   | „        | 4       | „   | ... | ...       | ... | ... | 1    | 0   | 1   |
| 4                           | „   | „        | 5       | „   | ... | ...       | ... | ... | ...  | ... | ... |
| Over 10 Years,              | ... | ...      | ...     | ... | ... | ...       | ... | ... | 0    | 2   | 2   |
| Total,                      | ... | ...      | ...     | ... | ... | 4         | 7   | 11  | 5    | 2   | 7   |



TABLE 7

Showing the Duration of the Disorder on Admission in the Admissions  
Discharges, and Deaths, during the Year 1898

| CLASS                                                         | Admissions |    |    | Discharges |     |     |                                     |    |    | Deaths |     |     |  |
|---------------------------------------------------------------|------------|----|----|------------|-----|-----|-------------------------------------|----|----|--------|-----|-----|--|
|                                                               |            |    |    | Recovered  |     |     | Removed<br>Relieved or<br>otherwise |    |    |        |     |     |  |
|                                                               | M.         | F. | T. | M.         | F.  | T.  | M.                                  | F. | T. | M.     | F.  | T.  |  |
| FIRST CLASS                                                   |            |    |    |            |     |     |                                     |    |    |        |     |     |  |
| First attack, and within 3 months on admission,               | 7          | 7  | 14 | 1          | 3   | 4   | 2                                   | 2  | 4  | 5      | 0   | 5   |  |
| SECOND CLASS                                                  |            |    |    |            |     |     |                                     |    |    |        |     |     |  |
| First attack above 3, and within 12 months on admission,      | 3          | 3  | 6  | 1          | 1   | 2   | 1                                   | 1  | 2  | ...    | ... | ... |  |
| THIRD CLASS                                                   |            |    |    |            |     |     |                                     |    |    |        |     |     |  |
| Not first attack, and within 12 months on admission,          | 3          | 7  | 10 | 2          | 3   | 5   | 4                                   | 1  | 5  | ...    | ... | ... |  |
| FOURTH CLASS                                                  |            |    |    |            |     |     |                                     |    |    |        |     |     |  |
| First attack or not, but of more than 12 months on admission, | 8          | 2  | 10 | ...        | ... | ... | 4                                   | 0  | 4  | 0      | 1   | 1   |  |
| FIFTH CLASS                                                   |            |    |    |            |     |     |                                     |    |    |        |     |     |  |
| Congenital,                                                   | 1          | 0  | 1  | ...        | ... | ... | 1                                   | 0  | 1  | 0      | 1   | 1   |  |
| Total,                                                        | 22         | 19 | 41 | 4          | 7   | 11  | 12                                  | 4  | 16 | 5      | 2   | 7   |  |



TABLE 8

Showing in Quinquennial Periods the Ages of those Admitted, Recovered, and Died during the Year 1898, and of those remaining on 31st December, 1898

|                              |      | Admissions |     |     | Recovered |     |     | Deaths |     |     | Remaining |     |     |
|------------------------------|------|------------|-----|-----|-----------|-----|-----|--------|-----|-----|-----------|-----|-----|
|                              |      | M.         | F.  | T.  | M.        | F.  | T.  | M.     | F.  | T.  | M.        | F.  | T.  |
| 15 years and under 20 years, | ...  | ...        | ... | ... | ...       | ... | ... | ...    | ... | ... | ...       | ... | ... |
| 20 "                         | 25 " | 1          | 1   | 2   | 1         | 0   | 1   | ...    | ... | ... | 1         | 0   | 2   |
| 25 "                         | 30 " | 1          | 0   | 1   | ..        | ... | ... | ...    | ... | ... | 2         | 4   | 10  |
| 30 "                         | 35 " | 2          | 2   | 4   | 1         | 0   | 2   | ...    | ... | ... | 6         | 4   | 13  |
| 35 "                         | 40 " | 5          | 4   | 9   | 0         | 2   | 2   | ...    | ... | ... | 9         | 4   | 12  |
| 40 "                         | 45 " | 3          | 1   | 4   | 2         | 0   | 1   | ...    | ... | ... | 7         | 5   | 14  |
| 45 "                         | 50 " | 2          | 3   | 5   | 0         | 1   | 1   | ...    | ... | ... | 10        | 4   | 20  |
| 50 "                         | 55 " | 3          | 2   | 5   | 0         | 1   | 1   | ...    | ... | ... | 11        | 8   | 12  |
| 55 "                         | 60 " | 1          | 4   | 5   | 0         | 2   | 2   | ...    | ... | ... | 4         | 4   | 6   |
| 60 "                         | 65 " | 1          | 1   | 2   | ...       | ... | ... | ...    | ... | ... | 2         | 6   | 10  |
| 65 "                         | 70 " | 3          | 1   | 4   | 0         | 1   | 1   | ...    | ... | ... | 4         | 2   | 5   |
| 70 "                         | 75 " | ...        | ... | ... | ...       | ... | ... | ...    | ... | ... | 3         | 4   | 6   |
| 75 "                         | 80 " | ...        | ... | ... | ...       | ... | ... | ...    | ... | ... | 2         | 4   | 4   |
| 80 "                         | 85 " | ...        | ... | ... | ...       | ... | ... | ...    | ... | ... | 1         | 3   | 1   |
| 85 "                         | 90 " | ...        | ... | ... | ...       | ... | ... | ...    | ... | ... | 1         | 1   | 2   |
| ...                          | ...  | ...        | ... | ... | ...       | ... | ... | ...    | ... | ... | 0         | 2   | ... |
| Total,                       | ...  | 22         | 19  | 41  | 4         | 7   | 11  | 5      | 2   | 7   | 63        | 56  | 119 |



TABLE 9

Showing the condition as to Marriage in the Admissions, Recoveries,  
and Deaths during 1898, and of Patients Resident 31st  
December, 1898

| Condition in<br>reference<br>to Marriage | Admissions |    |    | Recovered |    |    | Deaths |    |    | Patients<br>Resident,<br>Dec. 31st, 1898 |    |     |
|------------------------------------------|------------|----|----|-----------|----|----|--------|----|----|------------------------------------------|----|-----|
|                                          | M.         | F. | T. | M.        | F. | T. | M.     | F. | T. | M.                                       | F. | T.  |
| Single, ...                              | 14         | 9  | 23 | 3         | 3  | 6  | 2      | 1  | 3  | 52                                       | 40 | 92  |
| Married, ...                             | 8          | 5  | 13 | 1         | 1  | 2  | 3      | 0  | 3  | 7                                        | 10 | 17  |
| Widowed, ...                             | 0          | 5  | 5  | 0         | 3  | 3  | 0      | 1  | 1  | 4                                        | 6  | 10  |
| Total, ...                               | 22         | 19 | 41 | 4         | 7  | 11 | 5      | 2  | 7  | 63                                       | 56 | 119 |



TABLE 10

Showing the Probable Causes of Insanity in the Persons admitted during  
the Year 1898

M., 22; F., 19; T., 41

| Causes                                        |    |    |    | Predisposing Causes |     |     |          |     |     |                  |     |     |
|-----------------------------------------------|----|----|----|---------------------|-----|-----|----------|-----|-----|------------------|-----|-----|
|                                               |    |    |    | Hereditary          |     |     |          |     |     | Previous Attacks |     |     |
|                                               |    |    |    |                     |     |     |          |     |     |                  |     |     |
|                                               |    |    |    | Insanity            |     |     | Neuroses |     |     |                  |     |     |
|                                               | M. | F. | T. | M.                  | F.  | T.  | M.       | F.  | T.  | M.               | F.  | T.  |
| STRESS FROM WITHOUT—                          |    |    |    |                     |     |     |          |     |     |                  |     |     |
| 3, 4, 5, <i>a, b</i> Mental Strain and Worry, | 5  | 6  | 11 | 0                   | 4   | 4   | 3        | 4   | 7   | 1                | 2   | 3   |
| Domestic Trouble, ...                         | 0  | 2  | 2  | 0                   | 2   | 2   | 0        | 1   | 1   | ...              | ... | ... |
| 1 Religious Excitement, ...                   | 1  | 0  | 1  | 1                   | 0   | 1   | ...      | ... | ... | ...              | ... | ... |
| STRESS FROM WITHIN—                           |    |    |    |                     |     |     |          |     |     |                  |     |     |
| 2 Alcoholism, ...                             | 4  | 4  | 8  | 2                   | 1   | 3   | 2        | 1   | 3   | 1                | 0   | 1   |
| 2 Syphilis, ...                               | 1  | 0  | 1  | 1                   | 0   | 1   | ...      | ... | ... | ...              | ... | ... |
| 5 Self-Abuse (Sexual), ...                    | 4  | 0  | 4  | 3                   | 0   | 3   | 1        | 0   | 1   | 2                | 0   | 2   |
| Adolescence, ...                              | 0  | 1  | 1  | 0                   | 1   | 1   | ...      | ... | ... | 0                | 1   | 1   |
| 4 Climacteric, ...                            | 0  | 2  | 2  | ...                 | ... | ... | 0        | 1   | 1   | ...              | ... | ... |
| 1, <i>b</i> Influenza, ...                    | 5  | 1  | 6  | 1                   | 1   | 0   | 1        | 0   | 1   | ...              | ... | ... |
| <i>a</i> Phthisis, ...                        | 1  | 0  | 1  | ...                 | ... | ... | ...      | ... | ... | ...              | ... | ... |
| 3 Sexual Exhaustion, ...                      | 0  | 1  | 1  | 0                   | 1   | 1   | 0        | 1   | 1   | ...              | ... | ... |
| No Exciting Cause assigned, ...               | 1  | 0  | 1  | ...                 | ... | ... | ...      | ... | ... | ...              | ... | ... |
| PREDISPOSING INFLUENCES—                      |    |    |    |                     |     |     |          |     |     |                  |     |     |
| Previous Attacks, ...                         | 5  | 3  | 8  | 3                   | 3   | 6   | 3        | 0   | 3   | 5                | 3   | 8   |
| Neurotic Inheritance, ...                     | 7  | 8  | 15 | 2                   | 1   | 3   | 3        | 3   | 6   | 3                | 0   | 3   |
| Insane Heredity, ...                          | 9  | 9  | 18 | 9                   | 9   | 18  | 2        | 1   | 3   | 3                | 3   | 6   |

NOTE.—The *figures* and *letters* in the margin, each referring to a single case, indicate *combinations* of causes. The former refer to *persons predisposed* to insanity, the latter to those who have *not had a previous attack* and in whom no *history of heredity* has been ascertained.



TABLE 11.

Showing the Form of Mental Disorder on Admission in the Admissions, Recoveries, and Deaths of the Year 1898, and the Form of Mental Disorder of the Inmates, 31st December, 1898

| Form of Mental Disease        | Admissions |     |     | Recovered |     |     | Deaths |     |     | Remaining<br>31st Dec., 1898 |     |     |
|-------------------------------|------------|-----|-----|-----------|-----|-----|--------|-----|-----|------------------------------|-----|-----|
|                               | M.         | F.  | T.  | M.        | F.  | T.  | M.     | F.  | T.  | M.                           | F.  | T.  |
| CONGENITAL MENTAL DEFICIENCY, | 1          | 0   | 1   | ...       | ... | ... | ...    | ... | ... | 2                            | 0   | 2   |
| MANIA                         |            |     |     |           |     |     |        |     |     |                              |     |     |
| Recent, ...                   | 4          | 6   | 10  | 2         | 3   | 5   | 1      | 0   | 1   | 0                            | 3   | 3   |
| Chronic, ...                  | 1          | 0   | 1   | ...       | ... | ... | 1      | 0   | 1   | 0                            | 8   | 8   |
| Recurrent, ...                | 1          | 2   | 3   | 1         | 0   | 1   | ...    | ... | ... | ...                          | ... | ... |
| MELANCHOLIA                   |            |     |     |           |     |     |        |     |     |                              |     |     |
| Recent, ...                   | 6          | 5   | 11  | 1         | 2   | 3   | ...    | ... | ... | 1                            | 1   | 2   |
| Chronic, ...                  | 1          | 2   | 3   | ...       | ... | ... | ...    | ... | ... | 8                            | 7   | 15  |
| Recurrent, ...                | 1          | 1   | 2   | 0         | 1   | 1   | ...    | ... | ... | 1                            | 0   | 1   |
| PERIODIC INSANITY, ...        | ...        | ... | ... | ...       | ... | ... | ...    | ... | ... | 3                            | 4   | 7   |
| DELUSIONAL INSANITY, ...      | 3          | 2   | 5   | 0         | 1   | 1   | ...    | ... | ... | 13                           | 15  | 28  |
| DEMENTIA, ...                 | 4          | 1   | 5   | ...       | ... | ... | 3      | 2   | 5   | 35                           | 18  | 53  |
| Total, ...                    | 22         | 19  | 41  | 4         | 7   | 11  | 5      | 2   | 7   | 63                           | 56  | 119 |
| EPILEPTICS, ...               | ...        | ... | ... | ...       | ... | ... | ...    | ... | ... | 3                            | 0   | 3   |
| GENERAL PARALYTICS, ...       | 1          | 0   | 1   | ...       | ... | ... | 3      | 0   | 3   | 2                            | 0   | 2   |



TABLE 12

Showing Occupation of Patients admitted during the  
Year 1898

| MALES                        |    |                           |    |  | FEMALES |  |  |  |  |
|------------------------------|----|---------------------------|----|--|---------|--|--|--|--|
| Clerks, ... ..               | 4  | Gentlewomen, ... ..       | 5  |  |         |  |  |  |  |
| Medical Practitioner, ... .. | 1  | Domestic Servants, ... .. | 2  |  |         |  |  |  |  |
| Retired Manufacturer, ... .. | 1  | Farmer's Wife, ... ..     | 1  |  |         |  |  |  |  |
| Architect, ... ..            | 1  | Housekeeper, ... ..       | 1  |  |         |  |  |  |  |
| Medical Student, ... ..      | 1  | Housewives, ... ..        | 5  |  |         |  |  |  |  |
| Retired Shipmaster, ... ..   | 1  | Dressmakers, ... ..       | 2  |  |         |  |  |  |  |
| Grocer, ... ..               | 1  | Clerk, ... ..             | 1  |  |         |  |  |  |  |
| Slater, ... ..               | 1  | Shopwomen, ... ..         | 2  |  |         |  |  |  |  |
| Gentleman, ... ..            | 1  |                           |    |  |         |  |  |  |  |
| Bagpipe Maker, ... ..        | 1  |                           |    |  |         |  |  |  |  |
| Divinity Student, ... ..     | 1  |                           |    |  |         |  |  |  |  |
| Solicitor, ... ..            | 1  |                           |    |  |         |  |  |  |  |
| Barrister, ... ..            | 1  |                           |    |  |         |  |  |  |  |
| Farmer, ... ..               | 1  |                           |    |  |         |  |  |  |  |
| Linen Manufacturer, ... ..   | 1  |                           |    |  |         |  |  |  |  |
| Army Surgeon, ... ..         | 1  |                           |    |  |         |  |  |  |  |
| Warehouseman, ... ..         | 1  |                           |    |  |         |  |  |  |  |
| Retired Publican, ... ..     | 1  |                           |    |  |         |  |  |  |  |
| Painter, ... ..              | 1  |                           |    |  |         |  |  |  |  |
| Total, ... ..                | 22 | Total, ... ..             | 19 |  |         |  |  |  |  |

TABLE 13

Showing Bodily Condition of Admissions

|                                          |     |     |     |     |     | Male | Female | Total |
|------------------------------------------|-----|-----|-----|-----|-----|------|--------|-------|
| Good Bodily Condition, ... ..            | ... | ... | ... | ... | ... | 9    | 6      | 15    |
| Fair     "     "     "     "     "     " | ... | ... | ... | ... | ... | 8    | 7      | 15    |
| Bad     "     "     "     "     "     "  | ... | ... | ... | ... | ... | 5    | 6      | 11    |
| Total, ... ..                            |     |     |     |     |     | 22   | 19     | 41    |



# State of the Funds of Murray's Royal Asylum, Perth,

As at 31st March, 1899.

|                                                                       |         |   |   |
|-----------------------------------------------------------------------|---------|---|---|
| I. Asylum and Grounds, as formerly, ... ..                            | £40,000 | 0 | 0 |
| II. Asylum Farm, do. ... ..                                           | 5,500   | 0 | 0 |
| III. Furniture and Furnishings (Asylum and Kin-<br>carrathie), ... .. | 3,000   | 0 | 0 |
| IV. Physician's House and Furniture, as formerly, ... ..              | 2,300   | 0 | 0 |
| V. "Seven Gables," Elie, as formerly, ... ..                          | 1,288   | 0 | 0 |
| Sum, £52,088                                                          | 0       | 0 |   |

*Deduct Borrowed Money, &c., as follows:—*

1. Amount borrowed on Bonds (nine  
in number) over the Asylum,  
at 3 per cent. interest, £10,700 0 0

NOTE.—The whole debt was re-  
arranged at Whitsunday, 1898.

2. Union Bank of Scotland,  
Ltd., Current Acct.,  
Dr. Balance, £282 8 2  
Less Sum on Deposit  
Receipt, ... 175 0 0

107 8 2

NOTE.—The Board due 1st April pre-  
vents any *actual* Overdraft on Bank  
Account.

10,807 8 2

Remains, £41,280 11 10

*Add the following Balances:—*

1. Board Arrears, to be recovered, £203 13 4
2. Patients' Outlays, do. 467 7 1
3. Cash Balance due by Treasurers, 3 8 0
4. Union Bank Deposit Receipt for  
Debt Sinking Fund, ... 222 0 0

896 8 5

Amount of Funds, £42,177 0 3

N.B.—Amount of Funds at 31st March, 1898, was £41,030 6 4

*Add as follows:—*

- Excess of Receipts for past year, p.  
within Account, ... £787 6 1
- Proportion of Rent Charge applicable  
to Capital paid Edinburgh Life  
Office at Whitsunday, 1898, ... 137 7 10
- Debt Sinking Fund as above, ... 222 0 0

1,146 13 11

As above, ... £42,177 0 3

*Note as to Patients' Disbursements.*

- Amount outstanding at 31st March, 1898, ... £395 16 9
- Quarterly Outlays to 31st March, 1899, per Accounts, 1,754 5 6

Sum, ... £2,150 2 3

- Repayments during year, p. Rec. Bk., £1,678 3 11
- Written off as irrecoverable, ... 4 11 3

1,682 15 2

Outstanding 31st March, 1899, as above, ... £467 7 1



Incorporated by



Royal Charter.

## JAMES MURRAY'S ROYAL ASYLUM, PERTH.

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**T**HIS Asylum is healthily situated amidst picturesque surroundings, on the Hill of Kinnoull, in the immediate vicinity of Perth. It stands in the midst of extensive Pleasure-Grounds, surrounded by the fields of the Home Farm, and commands unrivalled views, extending over the valley of the Tay to the range of the Grampians. The central position of Perth makes it accessible from all parts of Scotland.

Being an Endowed Institution and a Chartered Corporation, under the management of a statutory Board of Directors who have no pecuniary interest in its prosperity, the profits on each year's transactions have been devoted to modernising and perfecting the original fabric of the Asylum, in order to render it an efficient Hospital, as well as a comfortable Home, for all classes of Private Patients.

The last important supplement to the resources of the Institution is the erection of two new wings for the reception of Acute Cases. These have been fitted with every modern improvement in the means of treatment of the Insane.

The Directors have also taken on lease the beautifully situated Mansion-House of Kincarrathie, in the neighbourhood of, but distinctly separated from, the Asylum. It has now been in use for thirteen years as a Convalescent Home and for Patients of the Higher Class suffering from the milder forms of mental disease. "Seven Gables," Elie, has also been purchased for the use of the Patients. The various buildings of the Establishment at Perth are connected with the National Telephone Company.



The Distinctive Features of this Institution are, that it is the only Royal Asylum in Scotland which contains no paupers; that it receives a limited number of Patients, permitting of Individualised Treatment; and that it is developed as a Central Hospital for the treatment of acute and difficult cases, with Succursal Houses for less serious cases. Special attention is devoted to the occupations of the patients; there are ample means of Amusement; and the utmost Liberty, with due regard to safety, is accorded. Carriages are kept for the use of those Patients for whom such exercise is desirable.

No Publicity is implied in the proceedings connected with the admission of Patients, nor in the term "Royal Asylum."

The Directors have every confidence in referring the friends of those requiring treatment to the Reports of the Commissioners in Lunacy.

