

The sixteenth annual report of the Committee of Visitors of the Cambridgeshire, Isle of Ely and Borough of Cambridge Pauper Lunatic Asylum : for the year ending the thirty-first day of December, 1873, with appendices.

Contributors

Cambridgeshire, Isle of Ely and Borough of Cambridge Pauper Lunatic Asylum.
Royal College of Physicians of London

Publication/Creation

Cambridge : Thomas Tofts, printer, 6a, Market Hill, [1874]

Persistent URL

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THE
SIXTEENTH ANNUAL REPORT
OF THE
COMMITTEE OF VISITORS
OF THE
CAMBRIDGESHIRE, ISLE OF ELY, AND
BOROUGH OF CAMBRIDGE
PAUPER LUNATIC ASYLUM

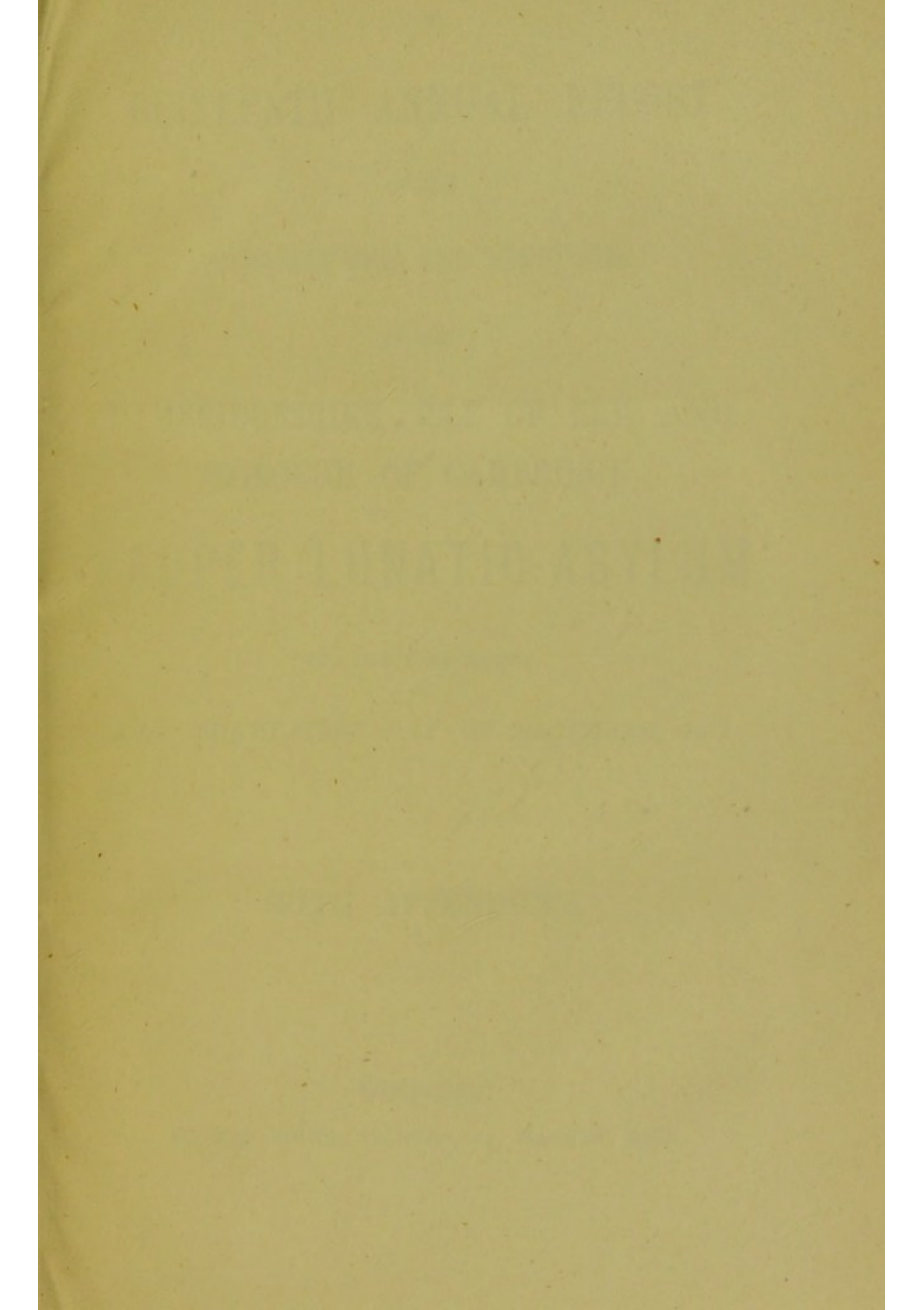
FOR THE YEAR ENDING
THE THIRTY-FIRST DAY OF DECEMBER, 1873.

WITH APPENDICES.

Cambridge:
THOMAS TOFTS, PRINTER, 6A, MARKET HILL.







THE LUNATIC ASYLUM

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THE COMMITTEE OF VISITORS,

FOR THE YEAR 1874.

Visitors for the County.

CHRISTOPHER ROBERT PEMBERTON, ESQ., (CHAIRMAN), *Newton*.
EDWARD HICKS, ESQ., *Wilbraham Temple*.
COLONEL WALE, *Little Shelford*.
RICHARD ARCHER HOUBLON, ESQ., *Bartlow*.
WILLIAM PARKER HAMOND, JUN., ESQ., *Pampisford Hall*.
CHARLES PETER ALLIX, ESQ., *Swaffham House*.
HERBERT FITZROY EATON, ESQ., *Stetchworth Park*.
THE REVEREND JOHN THORNHILL, *Boxworth*.
THEODORE VINCENT WEBB, ESQ., *Great Grandsen*.

Visitors for the Isle.

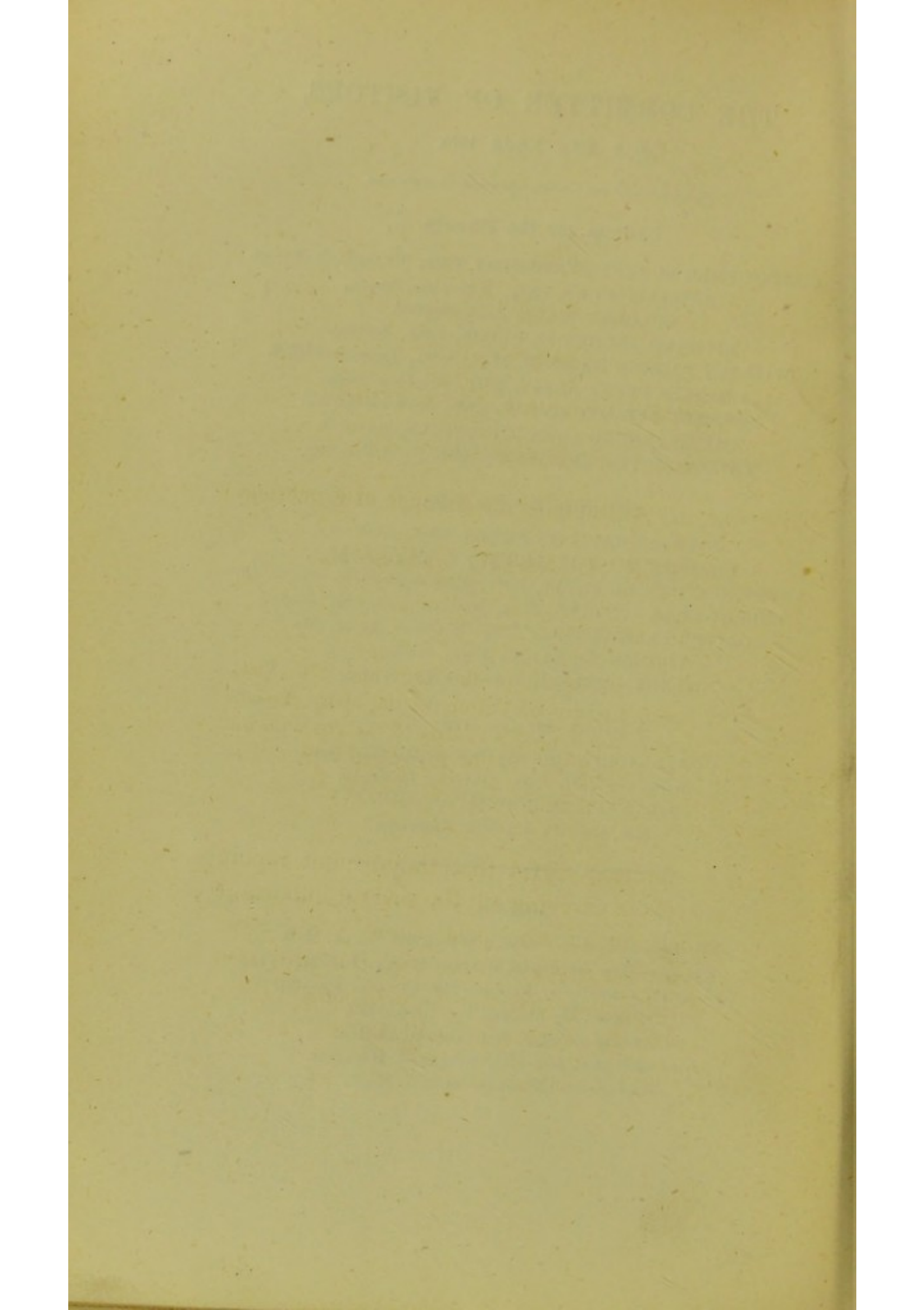
JOHN RICHARDSON FRYER, ESQ., *Chatteris*.
CHARLES WATSON TOWNLEY, ESQ., *Fulbourn*.
FREDERICK DANIEL FRYER, ESQ., *Moulton Paddocks, Newmarket*.
ROBERT CHAS. CATLING, ESQ., *Needham Hall, Elm, Wisbech*.
OLIVER CLAUDE PELL, ESQ., *Wilburton Manor, Ely*.
THOMAS RICHARDS, ESQ., *Doddington*.
HENRY WILLIAM WARD, ESQ., *Wisbech*.

Visitors for the Borough.

CHARLES EDWARD BROWN, ESQ., *Cambridge*.
JOHN DEATH, ESQ., (MAYOR), *Cambridge*.
MR. NEVILLE GOODMAN, *Cambridge*.
MR. HENRY RANCE, *Cambridge*.

Officers.

Medical Superintendent—GEORGE MACKENZIE BACON, M.D.
Chaplain—THE REVEREND WILLIAM SAMUEL PARISH.
Clerk to the Committee of Visitors—MR. CLEMENT FRANCIS.
Treasurer—MR. GEORGE EDWARD FOSTER.
Clerk and Steward—MR. HENRY ARCHER.
Head Male Attendant—MR. SAMUEL R. HOODLESS.
Head Female Attendant—MRS. J. KNOX.



THE
SIXTEENTH ANNUAL REPORT,
OF THE
COMMITTEE OF VISITORS
OF THE
Cambridgeshire, Isle of Ely, and Borough of Cambridge
PAUPER LUNATIC ASYLUM.

PURSUANT to the 62nd Section of the 16th and 17th Viet.,
Cap. 97, the Committee of Visitors of the above Asylum
beg to report to Her Majesty's Justices of the Peace for the
County of Cambridge and Isle of Ely respectively, and to
the Town Council of the Borough of Cambridge, as
follows :—

Your Committee regret that they cannot report
much progress in carrying out the several important
works which during the past three years have
engaged their serious attention, viz., the provision
of more Cubic space in the Day Rooms of the
Asylum, and the removal and renewal of the
Asylum Boilers.

Your Committee have, in their Fifteenth Annual Report (p.p. 1 to 12), given a detailed account of their proceedings in the above matters, from the year 1870, when they were first brought prominently to their notice, and it will be seen that every effort has been made by your Committee to carry out the works in question, but from various circumstances your Committee can only report that beyond the preparation of Plans it may be stated generally that they remain as they were at the close of their last Annual Report.

Your Committee propose now to show particularly the position of each of these works, and

1st.—As to the enlargement of the Asylum, to provide more ample cubical space in the Day Rooms.

The want of
cubical space in
Day Rooms of
the Asylum.

On the 17th April, 1871 (see p. 26 of Fourteenth Annual Report), your Committee, by their Special Report of that date, applied to the County, Isle, and Borough for £3,100, which (with £900 standing to the credit of the Building Account), was the amount estimated by Mr. Pritchett, the Architect, to carry out the same.

This £3,100 was voted by the last of the three Constituent Bodies on the 13th February, 1872, and on the 12th of March, 1872, Dr. Bacon and Mr. Pritchett attended the Commissioners in Lunacy, in London, with the Plans, Specifications, &c., when

several alterations were suggested by the Commissioners, which increased the cost considerably beyond that estimated by Mr. Pritchett.

Whilst this interview was taking place with the Commissioners in London, on the 12th March, 1872, a Fire took place at the Asylum, which materially altered the circumstances under which the original Plans had been prepared, and brought prominently to notice the dangerous position of the Boilers and Steam Engine of the Asylum, and incidentally raised the vexed question of water supply to the Asylum, which your Committee had hoped had long since been settled.

In consequence of the increased cost of the alterations of the Plans, caused by the suggestion of the Commissioners in Lunacy, and the necessity of removing and renewing the Asylum Boilers, as suggested by Mr. Rawlinson, C.E., in the manner recorded in your Committee's Fifteenth Annual Report, it was requisite again to apply to the County, Isle, and Borough for £2,040; £1,000 being estimated for alterations to Plans for the enlargement of the Asylum, and £1,040 for the removal and renewal of the Boilers.

This last Special Report was presented to the Quarter Sessions of the County on the 11th April, 1872, when, without any suggestion by your Committee, that Body voted their quota of £1,040 for removing the Boilers, on the ground that that work

was very urgent, but the consideration of the rest of the Report was adjourned and has never been again brought forward.

The Isle of Ely Quarter Sessions, on the 14th May, 1872, followed the example of the County, and voted their share of the £1,040.

To this division of the sum applied for in your Committee's Special Report of the 25th March, 1872, by the County Quarter Sessions, must be attributed much of the difficulty which your Committee has subsequently had to encounter, inasmuch as the work of enlarging the Asylum, to provide better cubic space, was left in abeyance in order to give preference to the scheme for the removal and renewal of the Boilers, and the latter work has been stopped in consequence of the opposition it has met with on the water supply question.

Both works, therefore, remain unperformed.

2nd.—As to the removal and renewal of the Asylum Boilers.

The removal of the Boilers from under the Main Building.

Your Committee would refer to their Fifteenth Annual Report for a narrative of the steps taken by your Committee to carry out this matter up to the close of the year 1872, and continuing that narrative for the year 1873, your Committee have to report that copies of the Resolutions of your Committee, passed respectively on the 25th of November and the 30th December, 1872, were forwarded

to the Commissioners in Lunacy, who thereupon replied by calling attention to the compulsory powers given to Her Majesty's Secretary of State by the 4th Section of the 25th and 26th Vic., c. 111, and suggested that the terms of that Act should be complied with by the Town Council being called upon to approve or disapprove of the Plans and Estimate for the removal and renewal of the Asylum Boilers.

On the 27th January, 1873, your Committee, in compliance with that suggestion, ordered that the Plans and Estimate be forwarded to the Town Council of Cambridge, and accordingly a letter was addressed to the Town Clerk, on the 3rd February, 1873, accompanied by the Plans and estimate, for the removal of the Boilers. (See Appendix, p. 19).

At a Meeting of the Town Council, held on the 6th February, 1873, the Plans and Estimate were referred to the General Purposes Committee of the Council, to report thereon.

On the 21st February, 1873, the Town Clerk wrote to the Clerk to your Committee for information relative to the Plans and Estimate (see Appendix, p. 21); and on the 24th of the same month, your Committee passed a Resolution, that Mr. Pritchett, the Architect, should attend the Town Council to furnish all the information they required.

On the 22nd of April, 1873, Mr. Pritchett attended a meeting of the General Purposes Committee of

the Town Council, and informed them that his estimate of £1,040, made in 1872, could not in April, 1873, be carried out for less than £1,410; and on the same day that Committee reported to the Town Council thereon, and therein remarked that the estimate of £1,410 did not include the cost of a tank, to contain 30,000 gallons, as suggested by Mr. Rawlinson, and recommended that *the whole question should be referred to Mr. Rawlinson, with a view to obtaining his opinion thereon.* This report was adopted by the Town Council on the 24th of April, 1873. (See Appendix, p. 22).

On the 22nd April, 1873, Mr. Pritchett forwarded a report of his interview with the Town Council to your Committee.

On the 26th May, 1873, your Committee unanimously passed the following Resolution :—

“That owing to the altered circumstances of the case, this Committee feel it impracticable to carry out the existing scheme for removing the Boilers, and therefore refer the subject to the Chairman, and Messrs. O. C. Pell, F. D. Fryer, T. V. Webb, R. A. Houblon, and N. Goodman, as a Sub-Committee, with full power to call in any professional assistance they may think necessary, and to report to a future meeting.”

This Sub-Committee met several times on the subject referred to them, and on the 4th of August, 1873, presented a Report thereon, which after stating

that they had “agreed that the whole subject of the
 “water supply of the Asylum, and the position of the
 “Boilers, should be re-considered, especially with
 “regard to the desirability, or not, of taking water
 “from the Cambridge Waterworks Company.”
 That being anxious to meet Mr. Rawlinson, C.E.,
 as suggested by the Town Council, they had applied
 to the Commissioners in Lunacy, and to that gentleman,
 to allow an interview to take place, but without success.
 That failing to obtain the services of Mr. Rawlinson,
 they had called in Mr. E. Easton, C.E., of the firm of
 Easton and Anderson, Grove, Southwark; and that Mr.
 Easton had made an examination of the Boilers, and
 had thereupon presented his Report, together with an
 Analysis of the water from the Asylum Well (Copies of
 both which will be found in the Appendix, pp. 27 and
 33), concludes with the following paragraph :—

“The Committee have spared no pains to make this investigation as complete as possible, and to include in it all collateral subjects. They are of opinion that it would be important, in any alterations, to provide against danger from Fire, and to make the water arrangements in all ways satisfactory. They are of opinion that it has been proved to be needless and unadvisable to get a supply of water from the Cambridge Water Company, and that the safety of the building could not even be insured by so doing; and, furthermore, that for a not greater expenditure than was lately contemplated, the Boilers could be removed and made more efficient, the storage of water vastly increased, and the building amply protected against Fire—

advantages which were not contemplated in the original Plan.

“The Sub-Committee therefore strongly urge the Board of Visitors to adopt the Plans submitted by Mr. Easton in their entirety, which now accompany this Report.”

This Report was received and adopted by your Committee on the 4th August, 1873; and Mr. Easton was instructed to prepare Plans, Specifications, and Estimate for carrying out the Engineering part; and Mr. R. R. Rowe, the Builder's part, of the several Works suggested in Mr. Easton's Report.

The Plans, &c., were accordingly respectively prepared by Messrs. Easton and Rowe, and laid before your Committee on the 27th October last; but in consequence of Mr. Easton having originally estimated the cost of the whole work at £1,500, but in the Plans and Estimate when produced, at £2,057, viz., £1,377 for the Engineering, and £680 for the Builder's work.

A correspondence ensued between your Committee and Mr. Easton, who has subsequently revised the Plans and Estimate, and has now estimated that the Works can be satisfactorily completed for the following amounts, viz. :—

Engineering Work	£1,100
Builder's „	487
	<hr/>
	£1,587
	<hr/>

Your Committee have taken the opinion of Mr. Rowe, who is a C.E., as to whether the revised Plans of Mr. Easton would secure all the advantages comprised in his original Plans, and are assured that they will do so.

These Plans will early in the ensuing year be laid by your Committee before the County, Isle, and Borough, for their approval.

Your Committee have endeavoured, by the foregoing detailed account, to show that they have done all they could to carry out the several Works required by the Commissioners in Lunacy, and regret to state that they have failed to make more progress therein, in consequence of the necessity of their having to obtain the unanimous consent of the three Bodies, of County, Isle, and Borough, besides the sanction of the Commissioners in Lunacy in London, under the provisions of the Lunacy Act, 1853.

H.M. Secretary
of State requires
Works for the en-
largement of the
Asylum carried
out.

Your Committee have now to Report that the Commissioners in Lunacy, after waiting for a long period, and finding that your Committee were powerless to carry out the Works so urgently asked for, have applied to Her Majesty's Secretary of State for the Home Department, giving a lamentable account of the defective state of the Asylum, partly from the Day Rooms of the Asylum being so crowded, and partly from other causes, and the

Right Honorable Mr. Lowe, has thereupon addressed the following Letter to your Committee :—

“ WHITEHALL,

“ 4 December, 1873.

“ SIR,

“ I am directed by Mr. Secretary Lowe to transmit to you herewith Copy of a Letter from the Secretary to the Commissioners in Lunacy, calling attention to the present state of the Cambridgeshire, Isle of Ely, and Borough of Cambridge Asylum; and I am to beg that, in laying the same before the Committee of Visitors, you will express Mr Lowe's request that immediate steps may be taken to carry out the necessary Works for the enlargement of the Asylum.

“ I am, Sir,

“ Your obedient Servant,

“ A. F. O. LIDDELL.

“ The Clerk to the

“ Committee of Visitors of the

“ Cambridge County Asylum,

“ Cambridge.”

(A Copy of the Commissioners' Letter, of the 2nd December, 1873, above referred to, will be found in the Appendix, p. 34).

Your Committee must, therefore, early in next year take action in the matter, and in this they hope that they will have the cordial co-operation of their three constituent Bodies, as in the event of your Committee being met by the same opposition which marked the proceedings of the past year, the Secretary of State will doubtless exercise the power

given to him by the 30th Section of the Asylums' Act, 1853, and issue his Precept to compel your Committee to carry out the Works they have so long endeavoured to perform.

During the past year your Committee have been engaged in the work of improving the defective Drains of the Asylum originally laid down by the Contractor, on a wrong principle, and after 15 years' use, were found to be completely choked up and useless.

Defective
Drains at the
Asylum repaired.

This involved a deep excavation in front of the Asylum—taking up the whole of the Pipes and substituting for them larger Pipes. The work is now making satisfactory progress, under the superintendence of Mr. R. R. Rowe, who, by arching in the trench now made, will provide a gallery for workmen hereafter, on the occasional examination of the Sewer from time to time.

The Artizans of the Asylum have, in addition to the above work, carried out extensive Repairs to the Roofs and Turrets, and pulled down the old Pigstyes at the Farm, and re-built them on the opposite side, under Mr. Rowe's superintendence; and your Committee must here observe, that in consequence of the many defects in the Building left by the Contractor, the expense of repairing the Asylum has become a very formidable item of expenditure.

Other Repairs
to Asylum carried out.

Excess in number of Patients sent from the Borough as compared with their quota of expense.

Your Committee would call attention to the disproportion in the number of Patients in the Asylum on the 31st December, 1872, from the Borough of Cambridge, as compared with the quota of Expenditure borne by that body.

The total number of Patients in the Asylum on the above date was 269; the quotas of Expenditure being—The County, 9-19ths; the Isle, 7-19ths; and the Borough, 3-19ths.

9-19ths of 269 would be 127—the County had 112 Patients—	deficiency 15
7-19ths „ „ 99—the Isle of Ely 96 Patients—	deficiency 3
	—
	18
3-19ths „ „ 43—the Borough 61 Patients—	excess 18

Statistics of Lunatics.

The following Table shows the number of Male and Female Patients in the Asylum, chargeable to the Unions in the County, Isle, and Borough, on 31st of December, in eleven years, from 1863 to 1873, and the increase during that period:—

	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873
Males	101	104	105	117	113	118	104	121	122	122	123
Females	100	112	120	125	129	140	138	145	135	147	147
	201	216	225	242	242	258	242	266	257	269	270

Patients' cost of maintenance.

The following have been the charges for maintenance of Patients in the Asylum during the past year, *viz* :

Quarter ending 31 March, 1873,	11s. 1d. per head per week.
„ „ 30 June, „	10s. 6d. „ „
„ „ 30 September, „	11s. 1d. „ „
„ „ 31 December, „	11s. 1d. „ „

During the past year the following orders have been made by your Committee under the Lunatic Asylums Act, 1853, on the Treasurers of the County, Isle and Borough for "Landlord's Repairs," *viz* :

1873.	County.	Isle.	Borough.	Total.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
February 24th..	228 0 7	177 7 2	76 0 2	481 7 11
May 26th	183 19 2	143 1 10	61 6 6	388 7 6
August 25th....	221 9 3	172 4 11	73 16 5	467 10 7
November 24th	242 11 10	188 13 7	80 17 3	512 2 8
	876 0 10	681 7 6	292 0 4	1849 8 8

Your Committee have with regret to record that William Robinson, the Shoemaker Attendant has been committed for trial at the ensuing Quarter Sessions of the County for larceny.

The following Resolution was, at a Meeting of your Committee, held this day (29th December, 1873), proposed by O. C. Pell, Esq., and seconded by R. C. Houblon, Esq., and passed by the casting vote of the Chairman, there being 5 for and 5 against it.

"That Mr. Prichett's Plans, omitting the Dining Room referred to in the Memorandum dated March 21, 1872, be sent to the Commissioners in Lunacy, and the question be repeated to them whether they will be satisfied with such Plans as far as the additions are concerned,—and

"That Mr. Easton's modified Plans be submitted to the Commissioners in Lunacy, and the question be asked whether they will be satisfied with such Plans as far as regards the removal of the Boilers."

A Copy of the Report of Two of the Commissioners in Lunacy on their Annual Inspection of the Asylum, and all other Reports and Letters herein before referred to will be printed as an Appendix to this Report.

C. R. PEMBERTON,

Chairman.

FULBOURN,

29th December, 1873.

APPENDIX
TO THE
SIXTEENTH ANNUAL REPORT
OF THE
COMMITTEE OF VISITORS.

*Containing Copies of Reports and Correspondence
therein referred to.*

Cambridge, 3rd February, 1873.

DEAR SIR,

At a Meeting of the Visitors of the above Asylum, held on the 27th of January last, some doubts were expressed as to whether or not the Plan and Estimate for the removal of the Boilers at the Asylum, and for the erection of a New Engine House, as reported in the Visitors' Special Report to the County, Isle, and Borough, dated the 25th of March, 1872, had been submitted to the Town Council of the Borough for their approval.

Clerk to the
Visitors' Letter
referred to at
page 9.

Since the Meeting I have communicated with Mr. G. E. Pritchett, the Architect employed by the Visitors, on the subject, and to-day I have had his reply, in which he says—

“When I attended before the Town Council, at the Guildhall, Cambridge, on the 2nd of May last, I took into the room with me the Plans and Specifications which you now have, and which embraced the estimate of £1,040, for the removal of

“the Boilers, including the erection of the Engine House. The
 “estimate for the supply of a new Boiler, alterations of Pipes,
 “&c., &c., was on a separate sheet of paper, and which I now
 “enclose.”

At the Meeting held on the 27th of January last, the Visitors directed me to forward the Plan and Estimate for the removal of the Boilers, to the Town Council of Cambridge, in accordance with the Provisions of the 4th section of the 25th and 26th Vic., cap. 111, and accordingly I now send you herewith the Plan submitted by Mr. Pritchett to the Town Council on the 2nd of May last, showing the proposed Plan of Engine House, &c., for the removal of the Boilers, together with the Estimate for carrying out the work, as stated in the Visitors' Special Report of the 25th of March, 1872, at a cost of £1,040, of which sum the Quarter Sessions for the County, on the 11th of April last, voted their quota (£492 12s. 7d.), and the Quarter Sessions for the Isle of Ely, on the 14th of May last, voted their quota (£383 3s. 2d.), leaving the sum of £164 4s. 3d. to be voted by the Town Council as their quota of the £1,040.

I shall be obliged by your submitting the accompanying Plan and Estimate, with this Letter, to the Town Council, at their Quarterly Meeting, to be held on Thursday next, after which be so good as to inform the Visitors, through me, whether the Council approve or disapprove of the Plan and Estimate.

I am, dear Sir,

Yours truly,

CLEMENT FRANCIS,

Clerk to the Committee of Visitors,
 Cambridge.

Edmond Foster, Esq.,
 Town Clerk,
 Cambridge.

Cambridge,

21st February, 1873.

Clement Francis, Esq.,

Clerk to the Lunatic Asylum

Visitors.

DEAR SIR,

In accordance with the Resolution of the Town Council, their General Purposes Committee met yesterday, to consider your letter of the 3rd February instant, with the accompanying Plan, &c., and I was directed to inform you that having now for the first time seen the Plan shewing the alterations proposed as to the Boiler, Engine Room, &c., the Committee would be glad to be furnished with further information on the following points (first stating that no estimates from the Architect appeared to have been furnished).

Town Clerk's
Letter referred to
at page 9.

The letter addressed to Mr. Pritchett, on behalf of Mr. Waller, is dated in April last. Will the price then stated be the present price?

The sum stated for the Engine House is a lump sum, without any detail. This is not satisfactory.

No mention is made of the cost of the new Cistern required by the Lunacy Commissioners for storage of water.

Is the £1,040 stated, without any detail arrived at, with the sanction of the Lunacy Commissioners?

Does the 1,040 include all that is required by the Lunacy Commissioners?

I should be glad to have your acknowledgment of the receipt of this letter, and to be furnished with the printed copies of the last Annual Report for circulation amongst the Members of the Council.

I am,

Yours truly,

EDMOND FOSTER,

Town Clerk.

Report of Town
Council referred
to at page 10.

A Council holden at the Guildhall there, on Thursday, the twenty-fourth day of April, one thousand eight hundred and seventy-three. Thomas Hacke Naylor, Esq., Mayor.

A Report in writing of the tenor following is now here presented and read.

To the Council of the Borough of Cambridge.

The General Purposes Committee beg to report—

That at a meeting held this day as to the removal of the Boilers, &c., at Fulbourn Asylum, Mr. Pritchett, the Architect to the Visitors of the Asylum, attended by appointment, and stated that he estimated the present cost of the Works recommended by him would be £1,410 instead of £1,040 previously asked for, in consequence of the advanced prices of labour and materials.

That these Works do not include the provision stated by Mr. Rawlinson to be necessary in his last Report, which was printed and circulated by the Visitors, viz., a Tank to contain 30,000 gallons, which will render necessary the building of a new Tower, the present Tank holding only 7,000 gallons, and the Tower being already cracked and not able to bear the existing Tank.

It must be mentioned that this increased sum has not been before the County and Isle authorities.

Your Committee can only again repeat its former recommendation that the whole question should be submitted to Mr. Rawlinson, with a view to obtain his opinion as to the

present and ulterior cost of carrying out the Works mentioned in his Report.

Guildhall,
22 April, 1873.

THOS. H. NAYLOR, *Mayor*.
DENNIS ADAMS.
SAM. PEED.
WM. BOND.

Resolved, on the proposition of the Mayor, seconded by Mr. Basham, to agree with the General Purposes Committee in its Report now here presented and read, and it is ordered that Mr. Town Clerk forward Copies thereof with this Resolution to Mr. Clement Francis, Clerk to the Visitors of the Asylum, Mr. Hale Wortham, of Royston, Clerk of the Peace for the County of Cambridge, Mr. F. M. Metcalfe, of Wisbech St. Peter, Clerk of the Peace for the said Isle, and to the Commissioners in Lunacy.

EDMOND FOSTER,

Town Clerk.

Cambridge County Asylum,
July 16th, 1873.

We have to-day inspected this Asylum. The Patients are 282, consisting of 128 men and 154 women; one of the former is away on trial, another has recently escaped and has not yet been re-taken; the number stated include 3 male and 1 female, out County Patients; and leave but 22 vacant beds in the Male and 6 vacant beds in the Female Division. Thirty-three Men and 38 Women have been received since the 19th of August, 1872 (when Members of our Board last visited the Asylum), and 15 Males and 18 Females have been discharged;

Report of Two
of the Commis-
sioners in Lunacy
referred to at
page 18.

29 of the 33 discharged are reported to have previously recovered. Fourteen of each sex have died: of these 4 died from general paralysis, 5 from diseases of the brain, 5 from lung disorder, the rest from causes which do not require special mention. There has been no Inquest, the Coroner considering it unnecessary to hold an inquiry in the case of a Patient found dead in bed, and whose death was attributed to epilepsy. Post-mortem examinations were made in 19 instances. There is no record of any restraint, but we found one Patient of each sex placed, by reason of their helpless condition, in chairs so constructed as to prevent them from falling or getting up. There has been seclusion of eight Men and as many Women; the former were so treated on 13, the latter on 14 occasions. We saw every Patient with the exception of the man absent on trial and the escaped one; none of these were restrained or in seclusion at the time of our visit, and all were free from excitement, and most orderly; they were also generally contented; and of the women, many were employed usefully. There is room for improvement in dress and tidiness of appearance—especially among the women; but the Patients belong chiefly to the demented class. While we were in the Male Wards, dinner was served. Australian beef, cold, with green peas, bread, and beer. Those who rejected the food put on the table were remarkably few; neither on the subject of diet or general treatment did we hear any complaint, though all had full opportunity given to them of speaking to us, and with a large number we exchanged a few words. The staff of attendants (exclusive of the Night Watch in each Division and of the head Male and Female attendants) appears to be nine men and twelve women, and several have been in the Asylum service for some years. Employed in various ways are 90 Male and 131 Female Patients. Of these 34 men work on garden and in farm, 6 are shoemaking, 5 are in the tailor's shop, 2 paint, 2 assist the Engineer, and 1 works as a carpenter; 53 women are employed in household

duties, 26 in the laundry, 45 sew and knit. As to the attendance on Divine Service the last returns shew that on Sunday 78 men and 80 women were present in the Chapel, 12 men and 16 women went to the village Church. The average number at the prayers read twice a week in the Chapel is about 15 male and 42 female patients. We hear of nothing new to report in reference to out-door exercise and recreation; there is a small Band of Music formed by Attendants, and about 53 of each sex of the Patients walk regularly three times in each week beyond the Grounds. One Patient in the Female Division was the only person whom we saw in bed, and those registered as taking medicine are 4 Men and 8 Women. In our passage through the Day Rooms and dormitories we found them in good order and perfectly clean, altogether in a state very creditable to the attendants; the bedding is particularly good and well kept. The Patients however are not properly cared for in many important points. The Day Rooms, intended and sufficient only for 90 Men, are crowded by 130, and 154 Women are daily collected where but 108 should be. The Baths and Closets are also quite inadequate in number for the Patients, as many as 60 using one very small Bath Room with a single Bath, and one Closet with a single seat in several Wards, and dressing after ablutions in the adjoining corridors. As far back as March, 1872, the Committee practically admitted by submission of Plans for the Enlargement of the Asylum the absolute necessity of such Enlargement, and yet nothing has been done by them in that direction, nor, so far as we can learn, is anything now contemplated. The serious defects just referred to affect health and decency, and have been previously brought by Members of our Board to the notice of the Visitors, but again we think it right to do so. No improvement has been made in the Laundry and Wash-house in reference to ventilation since the last visit. We think it very desirable that steam power should be made use of to work the wringing machine. A commodious and well constructed range of Shops for Carpenters,

Painter, and Upholsterer, and also a new Dead House have been constructed, but no Plans of these alterations were submitted, as required by the Lunacy Acts, to the Secretary of State for his approval, without which the Visitors are not empowered to make any additions or alterations, and cannot legally expend monies. The means for the extinction of an outbreak of Fire in this Asylum are still quite insufficient. We are surprised, that notwithstanding the serious Fire which occurred in March, 1872, and the recommendations made at the last visit, nothing whatever has been done in the matter. We understand that Plans for the removal of the Boilers from their dangerous position are under consideration by the Visitors. Although Dr. Bacon obtains a Substitute from Cambridge when he is himself away upon a holiday, he must at times necessarily be absent for some hours, and then the Asylum is left without any medical assistance; hitherto, fortunately there has been no serious casualty to Patients on these occasions, but we cannot too strongly repeat our opinion that an Asylum of this magnitude ought never even for the shortest period to be so left. Even if an Assistant Medical Officer be not considered by the Visitors to be necessary in order to relieve Dr. Bacon of part of his present labours, he is required for emergency or accident in Dr. Bacon's temporary absence.

The Case Books and Medical Records are very carefully kept, and we have every reason for thinking that the Patients are treated with great kindness and skill.

CHARLES PALMER PHILLIPS,

JAMES WILKES,

Commissioners in Lunacy.

The Grove, Southwark,
London, S.E.

July 25th, 1873.

*To the Sub-Committee of the Visitors of the Cambridgeshire
Pauper Lunatic Asylum.*

GENTLEMEN,

In accordance with the instructions received from you at the Meeting held on the 14th instant, I now beg to send you my report upon the general system of Water Supply and Steam Power now in use at the Fulbourn Asylum.

Mr. Easton's
report referred
to at page 11.

I have carefully perused the Fifteenth Annual Report of the Committee of Visitors and all the Reports contained in the Appendix, and have also made myself acquainted with the details of the existing arrangements.

SUPPLY OF STEAM.

I do not agree entirely in the strong view taken by Mr. Rawlinson as to the dangers to be apprehended from explosion of the Boilers in their present position; nevertheless it is manifest that in all cases Boilers and Steam Engines are more properly placed outside such a Building wherever space will admit, and in this case inasmuch as it is imperatively necessary to provide a new chimney for the Boilers, the present ones being not only inadequate, but absolutely dangerous, from the slightness of their construction and their bad position.

I have no hesitation in endorsing Mr. Rawlinson's recommendation to remove them to a Building detached from the main Building, having a roof open to the air.

The Steam Engine is at present in such a Building, a fact which no doubt escaped Mr. Rawlinson's observation and need not be disturbed.

Another reason for removing the Boilers is that it is probable after twelve years use that the old Boilers require much repair and must be taken down for that purpose and re-set, thus incurring the same expense.

I propose that a New Boiler House be constructed in the position shewn by excavating the ground to the same depth as the Engine House and Cellars, covering it partly with brick arches and partly with a glass roof, similar to that of the Engine House.

The present Boiler Rooms could then be used as Stores for Coal and Wood, the former being shot down a trap door formed in the stoke-hole close to the main Building.

The Chimney should be built in the angle formed by the Buttress of the Kitchen and Chapel, and should be 2 feet internal diameter of fire-brick enclosed in a square shaft 3 feet inside dimensions of 9 inch brickwork built against the Buttress before mentioned. Instead of repairing and removing the two smaller Boilers, I recommend that a New Boiler, of the same dimensions as the last new one, be made and fixed in the new Boiler House, and that when this is fairly at work the present larger one be removed and placed alongside it.

There will then be no interruption whatever in the service of the Asylum whilst the New Works are going on.

The present dangerous Flue can then be done away with and filled up with cement concrete.

I estimate that the cost of carrying out the whole of the above, viz., fixing a New Boiler, constructing Boiler House 14 feet wide, 25 feet long, and 12 feet high; New Chimney, 2 feet internal diameter 100 feet high; removing present large Boiler, and making all alterations to fittings and connections will not exceed Six Hundred Pounds at the outside.

WATER SUPPLY.

After reading the various letters and minutes contained in the Appendix on this subject, I am of opinion that it would be unwise for the Visitors to alter their present source for the following reasons:—

1st. That inasmuch as there must always, both day and night, be kept up a pressure of Steam for the general service of the Asylum, the pumping of the Water actually costs no more than the amount paid for the small extra quantity of Coals, and for the Oil and Tallow used by the Engine, which will not exceed £20 to £25 a year.

2nd. That the supply is derived virtually from the same source as that of the Water Company, and is practically inexhaustible for the purposes of the Asylum.

3rd. That the level of the Company's Reservoir is very nearly that of the Asylum Tank; therefore, unless a very much larger main were laid down there would not be sufficient pressure to ensure a full supply, especially when the Tank is raised as will be hereafter suggested.

I do not think the Water Company are asking any more than a fair if not a very moderate sum for the quantity of Water they would have to supply, but the circumstances of the case make it desirable that the Visitors should continue to do that service themselves.

As far as I can ascertain, the maximum quantity pumped daily, at the lowest time, does not exceed 15,000 gallons to 16,000 gallons.

The Pumps can deliver this quantity in 8 hours, but the storage as at present arranged is insufficient.

There should be at least a capacity of one day's supply in the Building, but with the arrangement in case of Fire I shall presently describe, I do not think it necessary to provide more than this—say 16,000 to 18,000 gallons.

At present, all the Water is pumped up to the large Tank in the Tower, which contains 7,000 gallons; and this is therefore the only storage for high service in case of Fire, because the

Water flows from this to the other Tanks, which only become useful when the large one is exhausted.

There are two large Tanks, each containing 2,000 gallons, in the Roofs, and another in the Laundry containing 2,600 gallons.

I propose to make all these useful for Storage by pumping direct into them from the Well, shutting off the Water by Ball Cocks when full, so that the Upper Tank is kept in reserve for Fire and for the upper services of the Building, if any, beyond the reach of the Lower Tanks.

There would thus at once be a Storage of

Large Upper Tank	..	7,000 gallons.
Two Corridor Tanks	..	4,000 ditto.
Laundry	..	2,600 ditto.
		<hr/>
		13,600 gallons.
		<hr/>

To make up the deficiency in the Storage, I should recommend the putting of a new tier of Plates on the Large Tank, thus increasing its capacity to 11,000 gallons, and making a total of storage of 17,000 gallons.

The Tower is amply strong to support the extra weight, and will be considerably strengthened when the Boiler Flues are done away with and made solid as I have suggested.

The Cost of putting this new tier of Plates, altering the overflow and connections, and making the arrangements for the Lower Tank and that in the Laundry will not exceed £120.

SUPPLY IN CASE OF FIRE.

The existing arrangements in the interior of the Building seem to be efficient as far as they go, and are doubtless sufficient for extinguishing a small local Fire, but a much more extended

system of pipes and fire-cocks are necessary for the protection of so large an establishment.

The present Pumps can only deliver at full speed from 30 to 35 gallons per minute, which would be of no use as a jet in case of Fire, but the Steam Engine is capable of working Pumps of at least three times the size.

There is however no room in the existing Well for such larger Pumps, and I should therefore recommend that a New Well be sunk just outside the Engine House, 6 feet internal diameter; and that a set of Pumps be fixed in it capable of throwing 100 gallons per minute.

A 3" raising main should be taken from these Pumps to join the existing pipe leading to the large Tank, and from it 3 inch pipes should be laid along the back of the Buildings, and also through to the front, having 8 Hydrants and Fire-cocks attached in the positions shewn on the accompanying drawing.

On the branch to the Tank a Sluice-cock would be fixed, so that when required the communication with the large Tank could be cut off, and the Water forced direct by the Engine through the Fire-cocks and hose, a safety valve being provided at the top of the well to prevent bursting the pipes.

In the event of an outbreak of Fire when Steam was not up to its full pressure the Water from the large Tank would first be turned on whilst the Stoker was getting Steam, and then the Engine would act as a Steam Fire Engine, and throw a combined jet of Water right over any part of the Building as long as was necessary.

Another advantage of having the larger Pumps will be that the supply of the Asylum could be managed in two-and-a-half to three hours instead of eight, whilst the Engine would work more economically.

To make the system quite perfect another Engine should be fixed so as to provide duplicates in every respect.

I estimate the cost of this work, viz.—

The sinking of a Well, fixing a set of Pumps capable of raising 100 gallons per minute, 1,200 feet of 3 inch cast-iron Fire Main, 8 Hydrants, 2 copper Stand Pipes, and 4 50ft. lengths 2½ Brigade Hose, not to exceed £450. A New Engine, with gearing and foundations, would probably cost £150.

The total Cost of carrying out all these recommendations will therefore be—

	£
Removal and Renewal of Boilers, New Chimney, &c.	600
Increasing Storage of Cisterns	120
New Well and Pumps, and Fire Mains	450
New Engine	150
	<hr/>
	£1,320
	<hr/>

It will be seen that by the Plan proposed, the removal of the Boilers, as recommended by Mr. Rawlinson, can be effected for little more than half the sum already partially voted for that purpose, whilst for a sum not exceeding the amount which the Estimate of £1,040 would really have involved, the whole of the Water supply and Steam arrangements can be put in what I consider will be a perfect working condition.

I shall be happy to give any explanations or further information you may require, and

I have the honor to be,

Your most obedient Servant,

EDWARD EASTON,

For Self and Partners.

Analytical Laboratory,
11, Salisbury Square, Fleet Street, E.C.
London, July 23rd, 1873.

DR. AUGUSTUS VOELCKER.

DEAR SIR,

Cambridgeshire Lunatic Asylum Water.

This Water, on evaporation, left 24.50 grains of solid residue (dried at 250° F.) in which I find by direct determinations :—

Analysis of the
Asylum Water,
referred to at
page 11.

Oxydisable organic matter	..	..	..	.45
Oxide of iron and alumina (chiefly oxide of iron in suspension)	..	..	..	.98
Lime	..	..	..	10.34
Magnesia	..	..	..	traces
Chlorine	..	..	..	1.45
Sulphuric acid	..	..	..	2.02
Nitric acid	..	..	..	1.26
Soluble Silica	..	..	..	.56
Alcalies and carbonic acid	..	..	not determined separately	

The Water also contains per Gallon :—

Saline (free Ammonia)	..	..	..	.002
Organic (Albuminoid) Ammonia	..	..	..	.014

According to these Analytical data the Composition of the Water may be represented as follows :—

Composition of a sample of Water from the Cambridgeshire Lunatic Asylum.

An Imperial Gallon contains :—

Oxydisable organic matter	..	..	..	.45
Oxide of iron and alumina (chiefly oxide of iron in suspension)	..	..	..	.98
Carbonate of lime	..	..	..	14.78
Sulphate of lime	..	..	..	3.43
Nitrate of lime	..	..	..	1.91
Chloride of Sodium	..	..	..	2.39
Soluble silica	..	..	..	.56

Total solid residue per gallon .. 24.50

Saline (free) Ammonia	..	..	..	.002
Organic (Albuminoid) Ammonia	..	..	..	.014

Hardness according to Clarke's rule :—

Before boiling	..	..	..	..	18 2-3°
After boiling	..	..	..	..	7 7-9°

The Water was reddish coloured, the colour being due, in my opinion, to oxide of iron, and not to organic matter, for the Water contains but little organic matter. It is a somewhat hard Water, which gets much softer on boiling. Apart from the oxide of iron, which rendered the water unsightly and would necessitate filtration, the water appears to me wholesome.

It was sent in a tin can, and it is quite possible that the iron was taken up by the water from the tinned iron of the can, and is not a natural constituent of the Water.

Water should never be sent for analysis in tin cans.

Believe me,

Yours faithfully,

AUGUSTUS VOELCKER.

Edward Easton, Esq.

Office of Commissioners in Lunacy,

19, Whitehall Place,

December 2, 1873.

SIR,

Commissioners
Letter to H.M.
Secretary of State
referred to at page
14.

By the letter of Mr. Phillips, addressed to you on November 11, 1871, the Commissioners in Lunacy, pursuant to the 30th section of the Lunatic Asylums Act, 1853, reported to the Secretary of State that the then existing Cambridge, Isle of Ely, and Borough of Cambridge Asylum was inadequate and unfit for the proper accommodation of the Pauper Lunatics then received there, and that the same should be accordingly enlarged and improved by the provision of a sufficient number of

additional Baths and Water Closets, and by giving 40 cubical feet of day-room space to each Patient, and by the erection of a sufficient Dining Hall, so placed as to be also available by the Patients for the purposes of recreation.

At that time the Committee of Visitors of the joint Asylum had prepared Plans and Estimates which at all events to a great degree fulfilled the requirements above stated. Two of the bodies in union, the County and the Borough of Cambridge, had voted their share of the Funds required (£4,000), but the Justices of the Isle of Ely in Quarter Sessions had refused to contribute.

In December, 1871, a communication was addressed by Mr. Secretary Bruce to the Chairman of the Isle of Ely Quarter Sessions, and in consequence, at the adjourned Special Session held on February 13th, 1872, that body resolved to grant their proportion, £1,142 2s. 1d., towards carrying out the proposed alterations in the Asylum.

On March, 19th, 1872, a Fire broke out in the Asylum and caused considerable damage. It appeared, on a subsequent investigation, that the position of the Boilers for the Steam Engine, used among other purposes for raising water from a well for the supply of the Asylum, was unsafe, and it was agreed that the Boilers ought to be removed as soon as possible.

Amended Plans, both for the enlargement of the Asylum and for the removal of the Boilers, were approved of by the Commissioners, and together with Estimates involving an expenditure of £2,040 in addition to the sum amounting to 4,000 already sanctioned, were duly submitted by the Visitors to the three bodies in union.

The Justices of the County at the April Quarter Sessions, 1872, threw out the whole of the Report of the Visitors except that portion which related to the removal of the Boilers, which they sanctioned. The Justices of the Isle of Ely voted in May, 1872, their proportion of the sum required for removing the Boilers. The Town Council of the Borough of Cambridge raised an objection to that part of the Visitors' Report which relates to the removal of the Boilers. They suggested that the Water supply might more economically be obtained from the neighbouring Water Works, and as to the rest of the Visitors' Report they have made no order.

The Visitors, at the suggestion of the Town Council, have reopened the question of the Water supply, and have obtained a fresh Report and Plans from an Engineer not previously employed. Whether these Plans are likely to be adopted, first by the Committee, next by the Three Bodies in union, the Commissioners cannot say.

All the defects in the accommodation of the Asylum pointed out in the Report of November 11th, 1871 (and which are but slightly connected with the vexed question of the Water supply) remain unremedied; the numbers in the Asylum stand thus:

		Males.	Females.	Total.
June 13th, 1871	..	124	140	264
July 16th, 1873	.. ..	128	154	282

In July, 1873, Two Commissioners visited the Asylum, and in their entry in the Visitors' Book the following passages occur:

"The Patients however are not properly cared for in many
 "important points. The Day Rooms, intended and sufficient
 "only for 90 Men, are crowded by 130; and 154 Women are
 "daily collected where but 108 should be. The Baths and Closets
 "are also quite inadequate in number for the Patients, as many
 "as 60 using one very small Bath Room with a single Bath,
 "and one Closet with a single Seat in several Wards, and
 "dressing after their ablutions in the adjoining Corridors."

“The serious defects just referred to affect health and
“decency. No improvement has been made in the Laundry
“and Wash-house in reference to ventilation since the last
“visit.”

Under all the circumstances herein appearing, the Commissioners trust that Mr. Secretary Lowe will call upon the Committee of Visitors to execute the necessary Works of enlargement forthwith.

I am, Sir,

Your obedient Servant,

CHAS. S. PERCIVAL,

Secretary.

Hon. H. F. O. Liddell.

CHAPLAIN'S REPORT.

Cambridgeshire Asylum,
Fulbourn, near Cambridge,
Dec. 26. 1873.

GENTLEMEN,

According to annual custom, I beg to lay before you my Report for the past year.

I have performed Divine Service in the Chapel of this Asylum every Sunday, with the exception of Sunday, June 1st, when the Service was performed by the Rev. Wm. Wilson, in consequence of my being laid up with an attack of bronchitis.

I have read Prayers on Tuesdays and Fridays, and visited the Wards on Wednesday afternoons, as stated in my Diary.

As, in former years, I have continued to read and expound a portion of Scripture every Wednesday afternoon, in the Female Infirmary. I trust that my ministrations, whether in the Wards or in the Chapel, are not without benefit to some, at least, of my hearers.

Many of the Patients who have been discharged have assured me that they felt very grateful for the attention and benefits they have received in this Asylum ; and many of the relatives of those whom I have buried in the Cemetery have expressed themselves in like manner.

The Chapel, on Sunday Mornings, continues to be well attended.

Many of the Patients appear to pay considerable attention to the service, and the hearty way in which they join in the responses and the singing is very noticeable.

I am,

Gentlemen

Your obedient Servant,

W. S. PARISH,

Chaplain.

To the Committee

of Visitors.

REPORT
OF THE
MEDICAL SUPERINTENDENT
TO THE
COMMITTEE OF VISITORS,
FOR THE YEAR 1873.

January, 1874.

The number of Patients in the Asylum has not sensibly increased during the past year, owing to the comparatively few admissions and the large number of deaths.

There was but one Patient more on December 31st, 1873, in the Asylum, than at the same time in the previous year.

Only one of the Deaths calls for any mention, viz., that of a Woman, who destroyed herself by hanging. She had a most determined suicidal impulse, and managed to elude her attendant's notice for a few minutes, and hang herself by tying her stockings round the hinge on a shutter in one of the Single Rooms, and thus forming a noose through which she passed her neck. She was discovered and liberated almost immediately, and recovered

from the direct effects of the strangulation, but died about fifty hours afterwards from the secondary results. The Jury, at the Inquest, exonerated the Staff of the Asylum from all blame.

It is *ten* years since a suicide occurred at this Asylum.

With the exception of two Men, who had been many years in the service of the Asylum, and who were prosecuted by the Visitors for dishonesty, the Attendants and others have performed their cheerless duties satisfactorily, while many of them have lent their aid in Theatrical and other amusements, organized for the Patients during the year.

Mr. Archer has in the amusements, as in all other ways, rendered valuable assistance.

I also desire to acknowledge the services and co-operation of the Head Attendants.

The employment of the Patients has continued the same as in former years.

The usual Statistical Tables are appended.

G. MACKENZIE BACON, M.D.

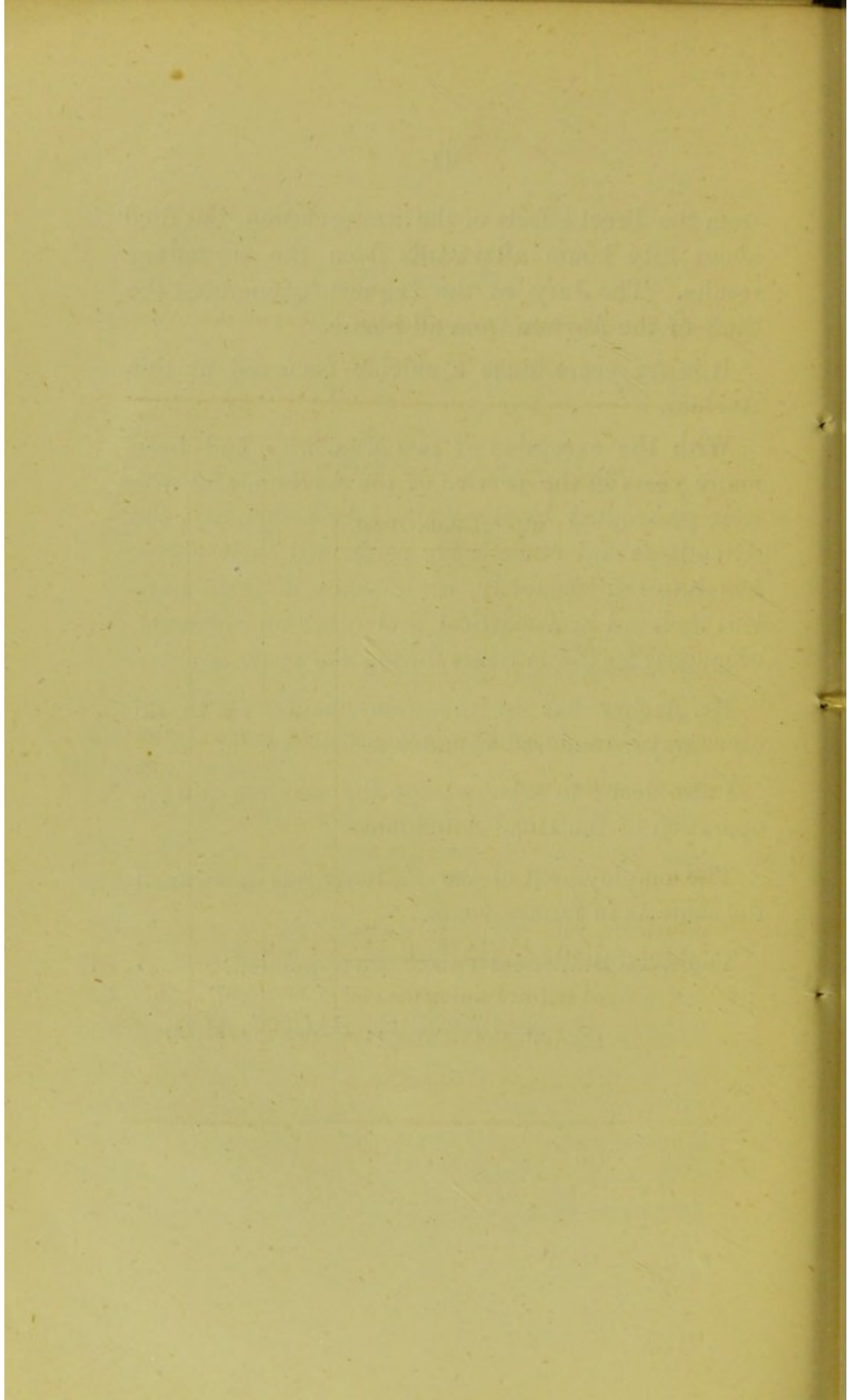


TABLE I.

*Showing the Admissions, Re-admissions, Discharges, and Deaths
during the Year 1873.*

				Male.	Female.	Total.
In Asylum, 1st January, 1873				125	147	272
				Male.	Female.	Total.
Admitted for the first time during the year 1873..				23	27	50
Re-admitted during the year ..				7	11	18
Total admitted				30	38	68
Total under care during the year ..				155	185	340
Discharged or Removed :						
				Male.	Female.	Total.
Recovered ..				14	17	31
Relieved ..				..	..	..
Not Improved ..				..	2	2
Died				16	18	34
Total discharged and died during the year				30	37	67
Remaining in the Asylum, Dec. 31st, 1873				125	148	273
Average number resident during the year				127	150	277

TABLE II.

Showing the Admissions, Re-admissions, and Discharges, from the opening of the Asylum, to the present date, Dec. 31st, 1873.

	Male.	Female.	Total.
Persons admitted during the period of 15 years and more, that is, since Nov. 2nd, 1858	581	643	1224
Re-admissions	70	101	171
Total of Cases admitted	651	744	1395
Discharged or Removed :			
	Male.	Female.	Total.
Recovered ..	211	293	504
Relieved ..	64	64	128
Not Improved ..	25	33	58
Died	226	206	432
Total discharged and died during the 15 years and more	526	596	1122
Remaining, December 31st, 1873 ..	125	148	273
Average number resident during the 15 years	123	143	266

TABLE IV.

Showing the History of the Annual Admissions since the opening of the Asylum, with the Discharges and Deaths and the Numbers of each Year remaining on the 31st December, 1873.

Admitted.				Of each Year's Admissions Discharged and Died in 1873.								Total Discharged and Died of each Year's Admissions to 31st December, 1873.								Remaining of each Year's Admissions, 31 Dec., 1873.								
YEAR.	New Cases.		Relapsed Cases.		Recovered.		Re-lieved.		Not Im-proved.		Died.		Recovered.			Relieved.			Not Im-proved.			Died.			Male.	Female.	Total.	
	Male.	Female.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.					
1858..	60	58	..	..	118	..	..	..	..	..	1	1	2	4	9	13	2	..	..	..	..	31	30	61	23	19	42	
1859..	39	37	1	..	77	..	..	..	..	..	..	..	..	14	20	34	7	3	7	1	..	15	11	26	6	3	9	
1860..	35	57	5	..	99	..	..	..	..	..	..	..	..	9	21	30	12	8	19	4	5	15	17	32	5	4	9	
1861..	55	60	4	7	126	..	..	..	..	..	..	..	..	18	31	49	10	10	16	4	11	24	10	34	7	5	12	
1862..	41	42	6	2	91	..	..	..	..	..	1	1	2	17	14	31	5	5	10	2	3	5	17	17	34	6	5	11
1863..	41	42	4	4	91	..	..	..	..	..	..	..	..	14	19	33	4	4	8	3	2	5	19	16	35	5	5	10
1864..	37	38	2	5	82	..	..	..	..	..	..	..	..	16	18	34	7	7	14	..	1	1	12	13	25	4	4	8
1865..	38	43	4	4	89	..	..	..	..	..	..	..	..	16	24	40	6	3	9	1	4	5	13	10	23	6	6	12
1866..	38	42	2	8	90	..	..	..	..	..	..	..	..	12	19	31	7	4	11	4	2	6	13	18	31	4	7	11
1867..	25	36	5	1	75	1	1	2	..	..	..	..	..	15	24	39	4	2	6	..	2	2	7	8	15	4	9	13
1868..	33	36	7	12	88	..	..	..	..	..	..	2	2	15	16	31	3	5	8	3	1	4	14	18	32	5	8	13
1869..	27	36	3	9	75	..	..	..	..	..	..	..	..	10	23	33	4	2	6	1	..	1	12	9	21	3	11	14
1870..	33	30	5	13	81	..	..	..	..	..	..	..	..	15	18	33	3	4	7	1	..	1	10	11	21	9	10	19
1871..	30	18	8	11	67	1	2	3	..	..	1	1	2	15	13	28	..	2	2	..	..	7	3	10	16	11	11	27
1872..	26	41	7	4	78	4	6	10	..	..	5	7	12	13	16	29	2	1	3	1	..	1	10	9	19	7	19	26
1873..	23	27	7	11	68	8	16	..	..	..	2	6	13	8	8	16	..	..	..	..	2	2	7	6	13	15	22	37
Total..	581	643	70	101	1395	14	17	31	..	..	2	2	4	211	293	504	64	64	128	25	33	58	226	206	432	125	148	273

TABLE V.

Showing the Causes of Death during the Year 1873.

CAUSES OF DEATH.	Male.	Female.	Total.
<i>Cerebral or Spinal Disease.</i>			
Apoplexy and Paralysis	2	0	2
Epilepsy and Convulsions	0	1	1
General Paralysis	6	1	7
Maniacal and Melancholic Exhaustion or Decay.....	1	0	1
Inflammation and other Diseases of the Brain, Softening, Tumours, &c.	2	3	5
<i>Thoracic Disease.</i>			
Inflammation of the Lungs, Pleuræ and Bronchi	2	5	7
Pulmonary Consumption	2	2	4
Disease of the Heart	0	0	0
<i>Abdominal Disease.</i>			
Diarrhœa	0	2	2
Chronic Disease of the Liver	0	1	1
Cancer of Uterus	0	1	1
<i>Accidents.</i>			
Suffocation in a fit.....	0	1	1
Suicide by hanging	0	1	1
General Debility and Old Age.....	1	0	1
Decay of Dementia and Idiocy	0	0	0
TOTAL.....	16	18	34

TABLE VI.

Showing the length of Residence of those Discharged Recovered and in those who have Died during the year 1873.

Length of Residence.	RECOVERED.			DIED.		
	Male.	Female.	Total.	Male.	Female.	Total.
Under 1 month .....	..	1	1	4	..	4
From 1 to 3 months	3	2	5	2	4	6
" 3 " 6 "	4	4	8	3	3	6
" 6 " 9 "	3	2	5	..	..	..
" 9 " 12 "	2	3	5	2	5	7
" 1 " 2 years	1	2	3	2	1	3
" 2 " 3 " .....	..	2	2	1	1	2
" 3 " 5 " .....	..	1	1	1	1	2
" 5 " 7 "	1	..	1	..	1	1
" 7 " 10 " .....	..	..	..	..	..	..
" 10 " 15 " .....	..	..	..	1	2	3
TOTAL.....	14	17	31	16	18	34

TABLE VII.
Showing the Duration of the Disorder on Admission in the Admissions, Discharges, and Deaths during the Year 1873.

Duration of Disease on Admission in Four Classes.												
CLASS.	The Admissions.			The Discharges.						The Deaths.		
				Recovered.			Removed (Relieved or otherwise).					
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
FIRST CLASS— First attack, and within three months on admission.....	11	16	27	8	8	16	..	..	..	8	3	11
SECOND CLASS— First attack, above three and within twelve months on admission.....	3	3	6	1	..	1	..	..	..	4	4	8
THIRD CLASS— Not first attack, and within twelve months on admission..	11	11	22	5	8	13	..	2	2	2	3	5
FOURTH CLASS— First attack, or not, but of more than twelve months on admission	5	7	12	..	1	1	..	..	..	2	7	9
Not ascertained .....	..	1	1	..	..	..	..	..	..	..	1	1
TOTAL.....	30	38	68	14	17	31	..	2	2	16	18	34

TABLE VIII.
Showing the Ages of the Admissions, Discharges, and Deaths during the Year 1873.

AGES.	The admissions.			The Discharges.						The Deaths.		
	The admissions.			Recovered			Removed (Relieved or otherwise.)					
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
From 5 to 10 years .....	..	..	..	..	..	..	..	..	..	..	..	..
" 10 15 "	1	..	1	..	..	..	..	..	..	..	..	..
" 15 20 "	1	1	2	3	1	4	..	..	..	..	1	1
" 20 30 "	2	4	6	..	3	3	..	..	..	3	2	5
" 30 40 "	5	12	17	..	4	4	..	1	1	5	3	8
" 40 50 "	6	9	15	4	3	7	..	1	1	2	3	5
" 50 60 "	5	6	11	3	2	5	..	..	..	2	6	8
" 60 70 "	5	1	6	2	2	4	..	..	..	1	1	2
" 70 80 "	4	3	7	1	..	1	..	..	..	3	2	5
" 80 80 "	1	1	2	1	1	2	..	..	..	..	..	..
" Not ascertained .....	..	1	1	..	1	1	..	..	..	..	..	..
TOTAL.....	30	38	68	14	17	31	..	2	2	16	18	34

TABLE IX.

Condition as to Marriage in the Admissions, Discharges, and Deaths during the Year 1873.

Condition in Reference to Marriage.	The Admissions.			The Discharges.				The Deaths.		
	Male.	Female.	Total.	Recovered.		Removed (Relieved or otherwise.)		Male.	Female.	Total.
				Male.	Female.	Total.	Male.	Female.	Total.	
Single	12	10	22	5	8	13	..	2	7	11
Married	15	21	36	7	7	14	..	..	8	17
Widowed	3	7	10	2	2	4	..	..	3	6
Not ascertained .....	..	..	..	..	..	..	..	..	..	..
TOTAL	30	38	68	14	17	31	..	2	18	34

TABLE X.

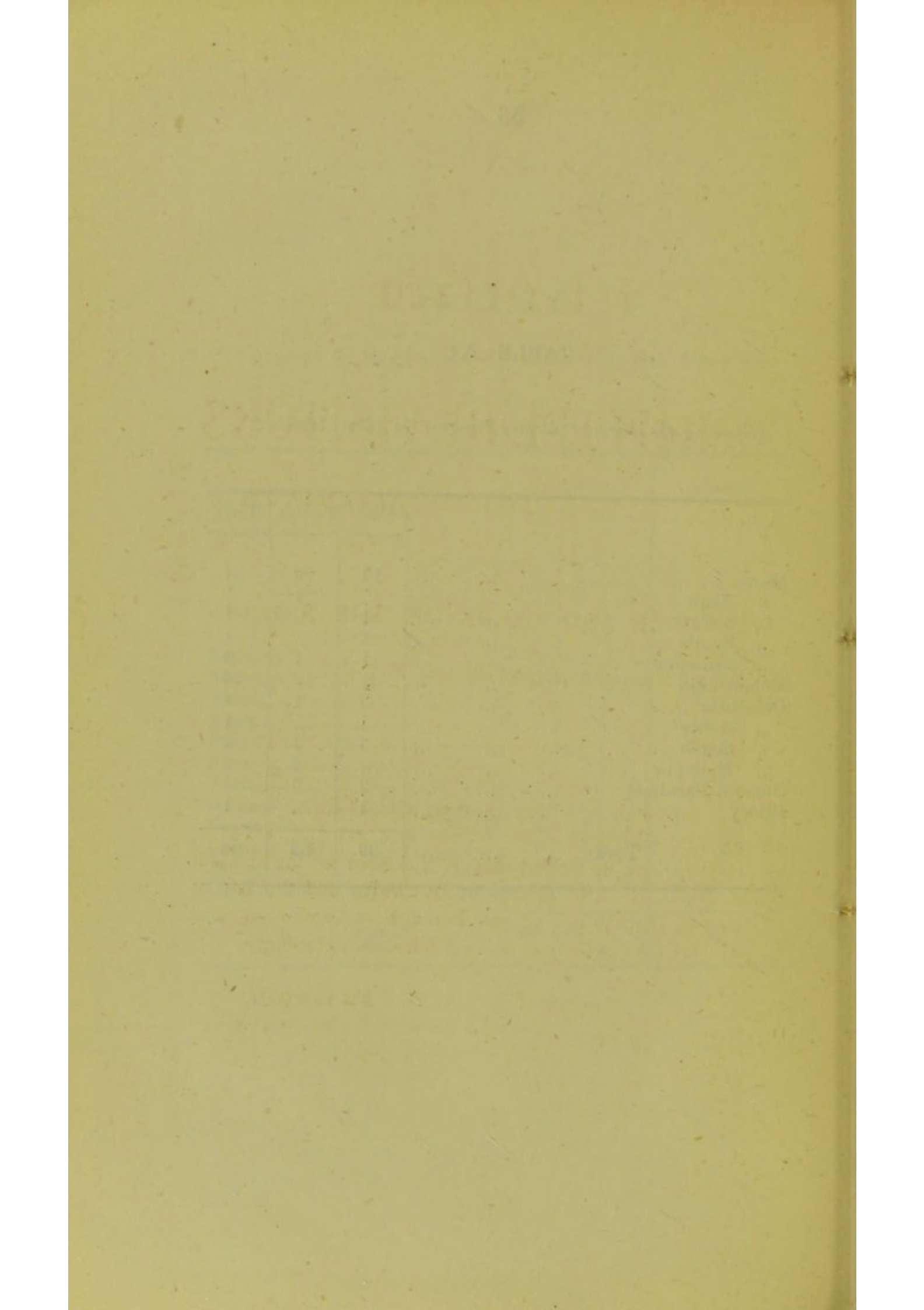
*Showing the Admissions and Deaths during each Month in
the Year.*

	ADMISSIONS.			DEATHS.		
	MALE.	FEMALE.	TOTAL.	MALE.	FEMALE.	TOTAL.
January	5	2	7	1	3	4
February.....	3	2	5	3	..	3
March .....	..	6	6	1	2	3
April	6	2	8	1	..	1
May	1	3	4	1	..	1
June	4	2	6	2	2	4
July.....	..	4	4	..	1	1
August	2	5	7	1	3	4
September	3	4	7	1	2	3
October	2	3	5	1	2	3
November	1	1	2	1	2	3
December	3	4	7	3	1	4
Total.....	30	38	68	16	18	34

TABLE XI.

Showing the Form of Mental Disorder in those Admitted.

						Male.	Female.	Total.
Mania	...	...	...	...	...	14	20	34
„ Acute	...	...	...	...	...	...	1	1
„ à Potû	...	...	...	...	...	1	...	1
„ Senile	...	...	...	...	...	1	...	1
„ Epileptic	...	...	...	...	...	1	1	2
Melancholia	...	...	...	...	...	3	10	13
Dementia	...	...	...	...	...	3	1	4
„ Acute	...	...	...	...	...	1	...	1
„ Senile	...	...	...	...	...	3	1	4
„ Epileptic	...	...	...	...	...	...	2	2
General Paralysis	...	...	...	...	...	2	2	4
Idiocy	...	...	...	...	...	1	...	1
TOTAL						30	38	68



APPENDIX

REPORT

OF THE

COMMITTEE OF VISITORS

UPON THE AUDIT OF ACCOUNTS

OF THE

TREASURER AND CLERK OF THE ASYLUM,

Pursuant to the 16th and 17th Vic., c. 97.

The Committee of Visitors having audited the Accounts of the Treasurer and Clerk of the Asylum, as directed by section 60 of the above Act, do hereby Report the same to the General Quarter Sessions of the County of Cambridge and the Isle of Ely, and to the Council of the Borough of Cambridge, and appended thereto an abstract of such Accounts accordingly.

(Signed)

C. R. PEMBERTON,

Chairman of the said Committee of Visitors.

ASYLUM, FULBOURN,

February 23rd, 1874.

CAMBRIDGESHIRE, ISLE OF ELY, AND BOROUGH OF CAMBRIDGE LUNATIC ASYLUM.

Account current for the Year ending 31st December, 1873.

1873.			1873.		
Jan. 1. To Balance of Cash this day			Dec. 31. By Cash paid on Maintenance Account:—		
£	s.	d.	£	s.	d.
7843	15	11	Salaries and Wages....	1881	13 2
To Cash received from Unions to which Asylum belongs.....			Provisions	3436	9 3
122	18	0	Necessaries	1044	3 4½
To Cash received for Maintenance, &c., of Out-County Paupers			Surgery.....	44	12 2
452	18	9	Wine and Spirits	126	17 0
To Cash received for produce sold			Clothing	367	10 5
8419	12	8	Furniture and Bedding	429	13 1
To Cash received from Treasurers of the County, Isle, and Borough, on Building Account.....			Garden and Farm	802	6 8
1798	2	4	Repairs.....	44	1 2
Interest on Invested Account			Miscellaneous	216	0 5½
22	19	7	Repairs.....	1918	17 4½
1821	1	11	Insurance.....	28	7 9
			Purchase of Exchequer Bills	1947	5 1½
			Restoration of Chapel	302	14 9
			Balance in hands of Treasurer.....	49	3 6
			Balance in hands of Steward	152	16 1
				80	7 6½
				233	3 7½
				£10925	13 9

Submitted to the Committee of Visitors, 23rd February, 1874.
C. R. PEMBERTON, CHAIRMAN.

CAMBRIDGESHIRE, ISLE OF ELY, AND BOROUGH OF CAMBRIDGE LUNATIC ASYLUM.

Balance Sheet for the Year ending 31st December. 1873.

1873.		1873.	
Dec. 31.	Dec. 31.	£ s. d.	£ s. d.
To Balance of Cash in Treasurer's hands.....	152 16 1	By amount due to Servants and Attendants for Wages	151 1 6
To ditto in Steward's hands	80 7 6½	By amount due to Tradesmen, &c., on Maintenance Account	1539 16 0
To amount invested in Exchequer Bills	233 3 7½	By amount due to Tradesmen, &c., on account of Additions, Alterations, and Improvements	329 8 9
To amount due for Maintenance of In-County Patients	1011 13 7		
To amount due for Maintenance of Out-County Patients	1988 3 7		
	36 16 0		
	2024 19 7		
To amount due from the Treasurer of the County of Cambridge, for additions, alterations, and improvements	252 11 11		
To amount due from the Treasurer of the Isle of Ely for ditto	196 9 4		
To amount due from the Treasurer of the Borough of Cambridge for ditto	238 17 8		
	687 18 11	Balance.....	2080 11 8½
To amount due for produce sold ..	143 2 3		
	£4100 17 11½		£4100 17 11½

H

Examined and found correct, 23rd February, 1874.

C. R. PEMBERTON,
OLIVER CLAUDE PELL,
C. E. BROWN, } *Auditors.*

H. Y. ARCHER,
Clerk and Steward.

CAMBRIDGESHIRE, ISLE OF ELY, AND GARDEN AND

Profit and Loss for the Year.

1873. Dr.	£	s.	d.	£	s.	d.
Dec. 31.						
Stock: 50 Pigs	49	0	0			
2 Cows	51	0	0			
30 Lambs	63	0	0			
				163	0	0
Food for Stock:						
Bran and Pollard ..	10	10	8			
10 Quarters Oats ..	12	5	0			
5½ Tons Linseed Cake ..	62	0	0			
2½ Tons Cotton Cake ..	16	5	0			
1 Ton of Salt	1	19	6			
				103	0	2
Machine and Horse Hire ..				25	5	6
Seeds, &c.: 4 Coombs Peas..	4	8	0			
10 Coombs Barley ..	10	15	0			
8 Coombs Oats ..	4	12	0			
8 Coombs Wheat ..	12	0	0			
4 Tons Potatoes ..	24	0	0			
Garden and Small Seeds ..	10	17	10			
Sand and Peat	1	11	0			
				68	3	10
Saddlery				1	5	11
Implements and Tools ..				32	1	9
Grinding Corn for Stock ..				3	3	0
Miscellaneous				27	15	0
Wages: Farm Bailiff and						
Lodge Keeper	62	8	0			
Farm Labourers	175	10	8			
				237	18	8
Rent: 27A. 2R. 14P. at 50s.						
(less tax)	67	4	0			
40 Acres own Land, esti-						
mated at 40s.	80	0	0			
				147	4	0
Straw				40	0	0
Shingle				5	7	6
Pig's Wash from the House ..				10	0	0
Insurance				2	5	0
Stock Valuation				842	5	0
				1708	15	4
Balance				182	12	9
				£1891	8	1

BOROUGH OF CAMBRIDGE LUNATIC ASYLUM. FARM ACCOUNT.

ending 31st December, 1873.

1873. Cr. Dec. 31.	£	s.	d.	£	s.	d.
By Produce, &c., Sold :						
39 Sheep.. ..	113	0	6			
6 Calves	13	0	0			
1 Cow	30	10	0			
10.6 Wool	24	8	3			
76½ Quarters Wheat ..	224	4	0			
23¾ Coombs Sainfoin ..	18	0	6			
Fruit, Vegetables, &c. ..	17	1	10			
Incidentals	20	1	10			
				460	6	11
By Produce supplied to the House :						
4541½ Gallons of Milk, at 10d.	189	4	7			
1912 Eggs, at 1s. 3d. per score	5	19	6			
37202 lbs. Potatoes, at ½d. ..	77	10	1			
362 13-14ths stones Pork, at 7s.	127	0	6			
41 Quarters Barley, at 45s..	92	5	0			
Vegetables, Herbs, Poultry, &c.	81	15	7			
				573	15	3
Stock Valuation, 31 December, 1873				857	5	11

£1891 8 1

Hx. ARCHER, Clerk and Steward.

CAMBRIDGESHIRE, ISLE OF ELY, AND BOROUGH OF CAMBRIDGE LUNATIC ASYLUM.

Estimated Value of Stock on Farm, December 31st, 1873, compared with preceding Year.

1872.		1873.	
Dec. 31. By Stock on hand this day:		Dec. 31. By Stock on hand this day:	
£	s. d.	£	s. d.
3 Horses.....	90 0 0	3 Horses.....	100 0 0
7 Cows	147 0 0	7 Cows	175 0 0
1 Calf.....	10 0 0	1 Heifer	15 0 0
39 Sheep	122 11 0	1 Calf.....	5 0 0
20 Pigs	45 0 0	30 Sheep	75 0 0
12 Ducks, at 2s	1 4 0	5 Pigs, at £3.....	15 0 0
47 Fowls, at 1s. 6d.	3 10 6	19 Pigs, at 25s.	23 15 0
	419 5 6	4 Ducks, at 2s.	0 8 0
301 Bushels Potatoes, at 2s. 6d.	37 12 6	34 Fowls, at 1s. 6d.	2 11 0
10 Tons Wurzels at 15s. ..	7 10 0		411 14 0
45 Tons White Carrots, at 20s.	45 0 0	1,271 Bushels Potatoes, at 2s. 4d.	148 5 8
400 Bushels Red do., at 1s.	20 0 0	15 Tons Wurzels, at 15s.	11 5 0
187 Bushels Parsnips, at 1s.	9 7 0	25 Tons White Carrots, at 20s.	25 0 0
58 Bushels Onions, at 2s. 6d.	7 5 0	30 Bushels Red do., at 1s.	1 10 0
30 Tons Hay, at 100s.	150 0 0	70 Bushels Parsnips, at 1s.	3 10 0
19 Quarters Oats, at 25s. ..	23 15 0	10½ Bushels Onions, at 2s. 6d.	1 6 3
5 " Peas, at 40s.	10 0 0	30 Tons Hay, at 100s.	150 0 0
40 Bushels Sainfoin, at 5s. ..	10 0 0	15 Quarters Oats, at 25s. ..	18 15 0
2 Tons Straw, at 25s.	2 10 0	10 " Peas, at 40s.	20 0 0
1 Wheat Stack not thrashed:		9 " Sainfoin	18 0 0
£ s. d.		3 Coombs Pig Corn, at 20s.	3 0 0
30 Qrs. Wheat, at 50s.	75 0 0	30 Tons Straw, at 30s.	45 0 0
20 Tons Straw 25 0 0			445 11 11
	100 0 0		
	422 19 6		

Balance Increase of Stock

842 5 0
15 0 11
£857 5 11

H. ARCHER, Clerk and Steward.

£857 5 11

ORDINARY DIET TABLE.

DINNER.										SUPPER.									
BREAKFAST.					DINNER.					SUPPER.									
Males.					Females.					Males.					Females.				
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STATISTICS

Of Pauper Lunatics, Idiots, and Persons of Unsound Mind chargeable to Unions in the County and Borough of Cambridge and Isle of Ely, showing the number in the Asylum, in Workhouses, and elsewhere, compiled from Annual returns, 31st December, 1873.

NAME OF UNION, &c.	In Cambs. Asylum.		In other Asylums.		Total in Asylums.	In Work- houses		With Friends Elsewhere.		Total Luna- tics and Idiots.		Average Cost per head per Week.					Total Lunatics and Idiots in the Years.				Increase since 1872.	Decrease since 1872.	
	Males.	Females.	Total.	Males.		Females.	Total.	Males.	Females.	Total.	Under 2s. 6d.	2s. 6d. and under 5s.	5s. and under 7s. 6d.	7s. 6d. and under 12s.	12s. and under 16s.	1873.	1872.	1871.	1870.				
COUNTY.	Caxton & Arrington	6	7	13	1	3	4	2	6	8	25	3	9	13	..	25	27	26	27	..	2		
	Chesterton	8	20	28	..	..	4	7	6	13	49	9	12	28	..	49	53	49	49	..	4
	Linton	8	11	19	..	1	3	5	3	8	33	5	8	20	..	33	35	39	37	..	2		
	Newmarket	13	16	29	..	..	..	6	10	16	45	6	9	29	..	45	44	49	54	..	1
	Royston	7	7	14	..	..	1	2	2	1	3	20	6	6	..	20	21	22	20	..	1
	St. Ives	3	3	6	..	..	..	..	..	2	2	8	1	1	..	8	8	10	9	..	..
County	1	..	1	..	1	..	..	..	..	..	1	..	..	..	1	1	1	2	..	..	
ISLE.	Ely	19	16	35	..	..	3	1	6	7	50	24	15	35	..	50	45	45	48	5	..
	North Witchford ..	13	14	27	..	..	7	3	2	5	48	..	21	27	..	48	47	43	45	1	..
	Peterborough	4	..	4	..	..	1	..	..	..	7	..	3	4	..	7	6	5	5	1	..
	Whittlesey	1	6	7	..	..	..	..	..	..	10	..	3	7	..	10	13	12	10	..	3
	Wisbech	11	16	27	..	..	1	7	..	..	35	1	7	27	..	35	35	38	41	..	..
	Isle	3	..	3	..	..	..	..	..	..	3	..	..	3	..	3	3	3	3	..	..
BOROUGH.	51	52	103	..	..	12	26	4	8	12	153	1	49	103	..	153	149	146	152	7	3
	25	31	56	..	..	10	3	5	10	15	80	..	24	56	..	80	81	77	73	..	1
	122	147	269	..	1	270	27	40	31	46	77	180	234	414	25	118	1	270	419	423	8	10	
Thetford (Norfolk)		2	1	3	..	..	6	9	5	10	80	..	24	56	..	80	81	77	73	..	1
Bury St. Edmund's		1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
In Asylum		125	148	273	..	1	27	40	31	46	77	180	234	414	25	118	1	270	419	423	8	10	
Net decrease.....																						2	

CLEMENT FRANCIS, Clerk to the Committee of Visitors.

CAMBRIDGESHIRE, ISLE OF ELY AND BOROUGH OF CAMBRIDGE LUNATIC ASYLUM.

Income and Expenditure from the 1st day of January to the 31st day of December 1873.

FROM WEEKLY RATE.

I N C O M E.

HEADS OF INCOME.	QUARTERS ENDING.												YEAR ENDING THE 31 st Dec ^r 1873.		TOTAL.	
	March 31 st			June 30 th			Sept ^r 30 th			Dec ^r 31 st						
<i>From Unions to which Asylum belongs....</i>	<i>L</i>	<i>s</i>	<i>d</i>	<i>L</i>	<i>s</i>	<i>d</i>	<i>L</i>	<i>s</i>	<i>d</i>	<i>L</i>	<i>s</i>	<i>d</i>	<i>L</i>	<i>s</i>	<i>d</i>	
	1954	1	2	1910	9	-	2025	-	-	1985	9	9	7874	19	11	
<i>From Out-County Unions.</i>	27	-	-	31	10	-	36	16	-	36	16	-	132	2	-	
	1981	1	2	1941	19	-	2061	16	-	2022	5	9	8007	1	11	
<i>Excess of Income over Expenditure derived from Out-County Paupers carried to Building Account</i>	5	12	6	7	17	6	7	2	11	7	10	8	28	3	7	
<i>Balance from Dec. 31st 1872</i>	1975	8	8	1934	1	6	2054	13	1	2014	15	1	-	-	-	
													7978	18	4	
													1594	-	11	
													<i>Total.....£</i>	9572	19	3

E X P E N D I T U R E.

HEADS OF EXPENDITURE	QUARTERS ENDING												YEAR ENDING THE 31 ST OF 1873.	TOTAL.		
	March 31 st			June 30 th			Sept. 30 th			Dec. 31 st						
	£	s	d	£	s	d	£	s	d	£	s	d	£	s	d	
By Salaries & Wages	479	13	3	498	18	7	491	1	11	503	5	11	1978	19	8	
Provisions	750	16	6	881	2	11	1011	4	4	895	9	7	3538	13	41	
Necessaries	305	-	7	209	7	3	222	6	31	288	14	31	1025	8	5	
Surgery	6	12	4	18	17	3	7	6	7	17	15	3	50	11	5	
Wine & Spirits	17	-	-	32	16	-	32	3	-	30	2	-	112	1	-	
Clothing	63	13	2	100	7	10	130	17	3	109	1	10	404	-	1	
Furnishing & Bedding	142	6	-	147	-	2	37	4	7	87	19	7	414	10	4	
Garden & Farm	222	5	4	191	1	9	220	3	3	143	-	-	776	10	4	
Repairs	8	4	8	10	15	5	15	16	7	21	6	5	56	3	1	
Miscellaneous	42	12	9	87	16	10	31	4	10	59	10	-	221	4	5	
Profit on Farm and Sundry Credits	2038	4	71	2178	4	-	2199	8	71	2162	4	11	8578	2	2	
	113	12	5	170	-	-	119	4	4	143	2	3	545	19	-	
Balance remaining to Maintenance Account	1924	12	21	2068	4	-	2080	4	31	2019	2	8	8032	3	2	
	-	-	-	-	-	-	-	-	-	-	-	-	1540	16	1	
Total													£	9572	19	3

FROM COUNTY RATE AND BUILDING & REPAIR FUND.

I N C O M E.

	<i>£</i>	<i>s</i>	<i>d</i>	<i>£</i>	<i>s</i>	<i>d</i>	<i>£</i>	<i>s</i>	<i>d</i>	<i>£</i>	<i>s</i>	<i>d</i>	<i>£</i>	<i>s</i>	<i>d</i>	
<i>From County Treasurer, for Additions, Alterations & Improvements by Order of Committee</i>	183	19	2	221	9	3	242	11	10	252	11	11	900	12	2	
<i>From Isle Treasurer for D^o</i>	143	1	10	172	4	11	188	13	7	196	9	4	700	9	8	
<i>From Borough Treasurer for D^o D^o</i>	61	6	6	73	16	5	80	17	3	84	4	2	300	4	2	
<i>Interest on Exchequer Bonds</i>	388	7	6	476	19	7	512	2	8	546	15	10	1924	5	7	
<i>Excess of Income over Expenditure derived from Maintenance of Out County Paupers</i>	5	12	6	7	17	6	7	2	11	7	10	8	28	3	7	
<i>Balance from Dec. 31st 1872</i>	394	-	-	484	17	1	519	5	7	554	6	6	-	-	-	
<i>Total</i>													£	3105	15	2

E X P E N D I T U R E.

														L.	s.	d.	L.	s.	d.	L.	s.	d.	L.	s.	d.	L.	s.	d.											
1873	12	31																																					
1874	12	31																																					
By Additions Alterations and Improvements																																							
388														7	61	467	10	7	483	14	11	533	5	3	1872	18	31												
Fire Insurance																																							
																			28	7	9				28	7	9												
Restoration of Chapel																																							
																						3			3														
By Balance Dec 31 st 1873																																							
388														7	61	467	10	7	512	2	8	536	5	3				1904	6	2									
Total																																							
£ 3105 15 24																																							

Aggregate days of Residence of Patients 101616
 Average daily number Resident 278 ¹⁴⁶/₃₆₅
 Average daily number of Attendants Resident } 33 ¹¹/₁₂

Average Weekly Expenditure for the Year ending December 31st 1873.

	£	s	d	£	s	d
Salaries & Wages	1978	19	8	2	8	8668
Provisions	3538	13	41	4	10	1710
Necessaries	1025	8	5	1	4	82556
Surgery	50	11	5			13498
Wine & Spirits	112	1				1141664
Clothing	404		1			6172892
Furniture & Bedding	414	10	4			6141929
Garden & Farm	776	10	4	1		138776
Repairs	56	3	1			172304
Miscellaneous	221	4	51			3163994
Less Profit on Farm & Sundry Credits.	8578	2	2	11	91	25616
	545	19				910608
Total	8032	3	2	11		18008

Average Weekly Rate of Charge to Own-County Unions.

Average Weekly Rate of Charge to Own-County Unions 10 11 1/2

Average Weekly Rate of Charge to Out-County Unions.

Average Weekly Rate of Charge to Out-County Unions 14

Income on Maintenance Account 7978 18 4

Expenditure I. D. O. H. D. 8032 3 2

Excess of Expenditure over Income on Maintenance of Own-County Paupers 53 4 10

Submitted to the Committee of Visitors the 23rd day of February 1874.

C. A. Pemberton
 Chairman.

J. H. Archer
 Clerk & Steward.

