

**The fifteenth 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, 1872, with appendices.**

**Contributors**

Cambridgeshire, Isle of Ely and Borough of Cambridge Pauper Lunatic Asylum.

Royal College of Physicians of London

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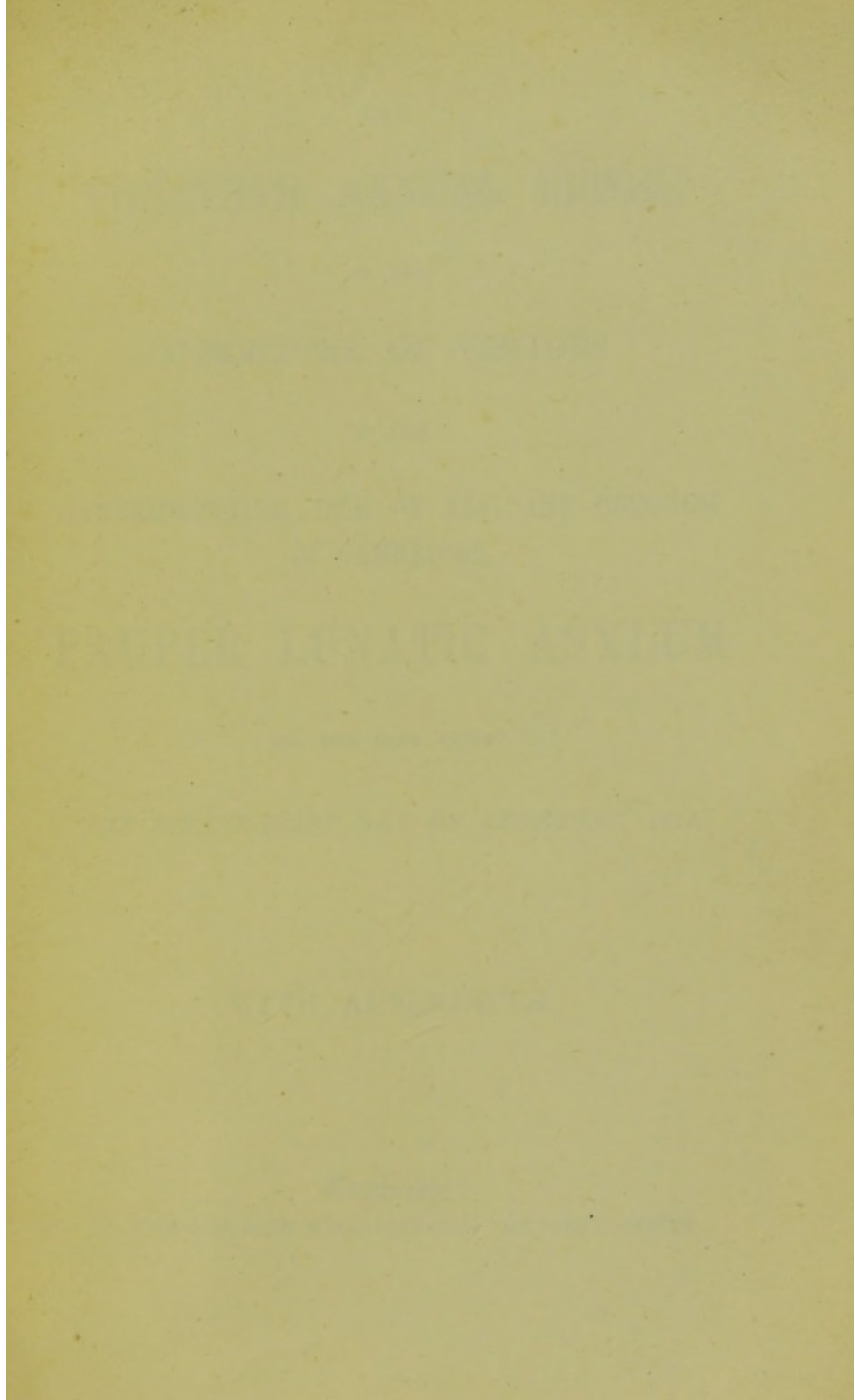
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THE  
FIFTEENTH ANNUAL REPORT  
OF THE  
COMMITTEE OF VISITORS  
OF THE  
CAMBRIDGESHIRE, ISLE OF ELY, AND BOROUGH  
OF CAMBRIDGE  
PAUPER LUNATIC ASYLUM  
FOR THE YEAR ENDING  
*THE THIRTY-FIRST DAY OF DECEMBER, 1872.*

WITH APPENDICES.

Cambridge :  
W. METCALFE AND SONS, PRINTERS, "EXPRESS" OFFICE.

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THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

RESEARCH REPORT

NO. 100

DECEMBER 1953

BY THE AUTHOR

PHYSICS DEPARTMENT  
UNIVERSITY OF CHICAGO

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ANNUAL REPORT  
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REPORT FOR THE YEAR

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# THE COMMITTEE OF VISITORS

FOR THE YEAR 1873.

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## 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 Gransden.*

## 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.*

MR. JOHN DEATH, *Cambridge.*

MR. NEVILLE GOODMAN, *Cambridge.*

MR. HENRY RANCE, *Cambridge.*

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## 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 COMMITTEE OF TRADING

FOR THE YEAR

1861

REPORT OF THE COMMITTEE OF TRADING  
FOR THE YEAR 1861  
AS APPOINTED BY THE HOUSE OF COMMONS  
IN 1858  
BY THE COMMISSIONERS OF THE CUSTOMS  
AND EXCISE

The following is a list of the names of the members of the Committee of Trading for the year 1861, as appointed by the House of Commons in 1858, and as continued by subsequent resolutions of the House.

The names of the members are as follows:

1. Mr. G. S. Clarke  
2. Mr. J. H. Mackintosh  
3. Mr. J. W. Mackintosh  
4. Mr. J. H. Mackintosh  
5. Mr. J. W. Mackintosh

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5. Mr. J. W. Mackintosh

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THE  
FIFTEENTH ANNUAL REPORT

OF THE  
COMMITTEE OF VISITORS

OF THE  
Cambridgeshire, Isle of Ely, and Borough of Cambridge  
PAUPER LUNATIC ASYLUM.

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PURSUANT to the 62nd Section of the 16th and 17th Vict.,  
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,  
in Quarter Sessions assembled, and to the Town Council  
of the Borough of Cambridge, as follows:—

“The want of Cubical Space in the Day Rooms  
of the Asylum” was a subject urgently brought  
forward by the Commissioners in Lunacy, in their  
Report on an inspection of the Asylum on the  
23rd of April, 1870, where they remarked that  
the Day Room space “is inadequate to the neces-  
sary requirements for Insane Patients.” But, in  
consequence of the unavoidable absence of the  
Chairman, nothing was done in 1870 to remedy  
the defect.

*The want of  
Cubical Space in  
the Day Rooms  
of the Asylum.*

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In March, 1871, a Sub-Committee, appointed

by your Committee, presented their Report on the subject, which was adopted, and Mr. G. E. Pritchett, of Bishop's Stortford, Architect, on the 17th of April, 1871, produced Plans for the proposed alteration of the Asylum, which were approved by your Committee, who thereupon prepared a Special Report asking the County, Isle, and Borough for a Grant of £3,100, which (with £900 then standing to the credit of the Building Fund) was deemed sufficient to carry out the work.

On the 4th of May, 1871, the Town Council of the Borough, and on the 29th of June, 1871, the Quarter Sessions of the County of Cambridge respectively voted their quotas of the required £3,100.

On the 8th of August, 1871, the Isle of Ely Quarter Sessions passed a Resolution referring the subject back to your Committee, who thereupon forwarded their Special Report applying for the £3,100, together with Mr. Pritchett's Plans and Specifications to the Commissioners in Lunacy in London, which resulted in the matter being, at the end of the year 1871, left in the hands of Her Majesty's Secretary of State for the Home Department.

The Home Secretary addressed a letter to the Quarter Sessions of the Isle, dated the 23rd of December, 1871, urging them to take into consideration the proposed alterations and improvements as recommended by the Commissioners in

Lunacy, and the Isle Quarter Sessions on the 13th of February, 1872, voted their quota of the £3,100.

The £3,100 required for the proposed alterations being now voted, your Committee requested Dr. Bacon and Mr. Pritchett to attend the Commissioners in London, which they accordingly did on the 12th of March last, and had an interview with the Commissioners and their Consulting Architect.

The Commissioners in their observations on Mr. Pritchett's Plans (see page 27), stated that whilst approving the mode adopted for obtaining additional accommodation at the western side of the Building, they did not give their approval to the rest of Mr. Pritchett's design; and they proceeded to state their objections thereto. To remedy the defects specified by them the Commissioners suggested that the additions to the Day Rooms should be on the front or South side, which would require the Building to be carried up two Storeys instead of one. The Commissioners also objected to the proposed Dining Hall as unsuitable for its purpose, and advocated a Central Dining Room for both sexes, instead of making a Room for Males only. They suggested the omission for the present of all consideration in regard to a Dining Room, and Mr. Pritchett promised to furnish sketches to meet the views of the Commissioners with an estimate of the increased cost.

In consequence of the Fire which took place on the 12th of March (being the same day as that on which Dr. Bacon and Mr. Pritchett attended the Commissioners in London) a Special Meeting of your Committee was held at Cambridge on the 16th of March last, when the letter from the Commissioners, dated 14th of March, 1872, above referred to, and their Memorandum as to Mr. Pritchett's Plans and Specifications, were read to your Committee; and as the Fire had completely destroyed the Chapel at the Asylum, besides damaging other portions of the Building, your Committee passed a Resolution that Mr. Pritchett should proceed again to London with his Plans, as revised by the Commissioners, taking with him the Report of Mr. Richard Reynolds Rowe, of Cambridge, Architect, as to the Fire, and ascertain if the altered circumstances caused by destruction of the Chapel, (which was situate in the middle of the Asylum), would affect the observations and suggestions of the Commissioners.

Accordingly, Mr. Pritchett, on the 21st of March last, together with Colonel Wale (a Member of your Committee) had another interview with the Commissioners, and on that day they (the Lunacy Commissioners) addressed a letter to your Committee with a Memorandum of their observations (see page 29). In this Memorandum it will be seen that the Commissioners considered that the alterations made by Mr. Pritchett were great improvements on the original design, and the

Commissioners expressed themselves prepared to recommend the Plans for the approval of Her Majesty's Secretary of State. They also approved of a new position for the Central Dining Hall as submitted by Mr. Pritchett.

With regard to the question of the altered circumstances at the Asylum, caused by the Fire, the Commissioners decided to send Mr. Rawlinson, their Civil Engineer, to examine into the cause of the Fire, and they strongly recommended that a Central Dining and Recreation Room should form part of the scheme of Enlargement, and remarked that Mr. Pritchett's Estimate for such a Room would be about £1,200, or double the cost of that in his original design.

*The Removal  
of the Boilers  
from under the  
Main Building  
suggested.*

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On the 25th of March last, Mr. Pritchett submitted to your Committee a Report as to the alterations suggested by the Commissioners and his Plans for carrying them out (see page 31).

At that Meeting your Committee passed the following Resolution:—

“That the Original Plans and Specifications, as added to and amended by the Commissioners in Lunacy (omitting the Dining Room for the present), be resubmitted, with the Estimate and Specifications to be prepared by Mr. Pritchett, to the Quarter Sessions of the County and Isle respectively, and to the Town Council of the Borough, and that a further Grant for a sufficient sum to carry out such work be asked from those Bodies.”

On the 25th of March last, Mr. Rawlinson attended at the Asylum and inspected the position

of the Boilers and Steam Engine, and his Report thereon (see page 33) was forwarded to your Committee by the Commissioners with their letter of the first of April last.

Mr. Rawlinson, at the conclusion of his Report, remarked:—

“That the Steam Boilers and Steam Engine ought not to be placed within the Main Building in such position that with an Explosion the effect must be expended upwards so as not only to bring the Building above to ruin, but to bury Boiler and Engine at the same time.”

and adds the following Recommendation:—

“I beg to Recommend that the Steam Boilers and Steam Engine now in use and situate in the Cellars beneath the Central and Main Part of the Asylum Buildings, be removed as soon as practicable and be placed in separate Buildings with Shed Roof to insure the safety of the Main Building and to prevent destruction to Human Life.”

Thus a new and expensive proposition was unexpectedly forced upon the attention of your Committee (viz.) the removal of the Steam Boilers and Steam Engine from the basement of the Main Building of the Asylum, and the necessity of providing a Building for their reception, to accomplish which it was estimated a further Outlay of £1,040 would be required.

On the 25th of March 1872, your Committee prepared and presented to the Quarter Sessions of the County and Isle and the Council of the

Borough another Special Report (see page 37) which after referring to their Special Report of the 17th of April, 1871, asking for a Grant of £3,100, stated that that Estimate did not include the Scheme of placing the Central Day Room on the South side of the Asylum as suggested by the Commissioners, which involved the necessity of carrying the Building up two storeys instead of one and which greatly added to the original Cost, and after reporting the Fire, which took place at the Asylum on the 12th of March last, and the Commissioners and Mr. Rawlinson's urgent suggestions that the Boilers should be removed from their present dangerous position, your Committee asked for a further grant of £2,040 to carry out all the alterations proposed by your Committee, and the Amendments suggested by the Commissioners in Lunacy exclusive of the Dining Hall, but including the sum of £1,040 required for removal of the Boilers and for providing an Engine House and refixing them therein.

The Chairman, on the 29th of April last, reported to your Committee that, after the interview he had had with Mr. Rawlinson, on the 25th of March last, as to the dangerous position of the Boilers, he appointed a Night Stoker with a view of lessening the danger by having a person on the spot at night to watch the Boilers and to render assistance if necessary. This appointment your Committee fully confirmed and a Stoker has continued on night duty ever since.



The Special Report of your Committee, of the 25th of March last, was considered by the Quarter Sessions for the County on the 11th of April last, who then :—

“Resolved that this Court doth authorise the removal of the Boilers as recommended by Mr. Rawlinson, the Government Civil Engineer, at the estimated cost of £1,040, and that the further consideration of the Report be adjourned to the next Sessions.”

The Town Council of the Borough also considered your Committee's Special Report on the 22nd of May last, when it was resolved :—

“That the question be referred to the General Purposes Committee for further consideration” (see page 41).

On the 14th of May last the Quarter Sessions for the Isle of Ely voted their Quota of the £1,040 required for removing the Boilers (see page 44).

*As to obtaining a supply of Water from the Cambridge Waterworks Company in case of Fire or other emergency.*

Mr. Rawlinson in his Report of the 27th of March, 1872, (see page 34) having suggested that the Asylum Water Tank should have been of capacity to contain not less than 30,000 gallons (instead of only 7,000 gallons the contents of the Asylum Tank) so as to have a reserve to prevent Sunday working and a full volume for any fire purposes, your Committee determined on applying to the Cambridge Waterworks Company (who supplied the Asylum with water for a period of seven years, ending the 11th of June, 1866, the pipes then in use being still close to the Asylum), and to ascertain from that Body what amount

they would require annually to allow a connexion to be made with those pipes, so that your Committee could in cases of emergency have recourse to it, the quantity of water to be thus consumed to be ascertained by Meter.

To this the Secretary to the Company replied that the Directors:—

“Were not in a condition to sufficiently understand the expression ‘emergency,’ but that they were willing to supply the Asylum with water to be furnished through Meter according to an enclosed scale of charges, with a minimum rate of £12. 10s. 0d. per Quarter, the Visitors to pay the cost of laying the water on.”

These Terms were declined by your Committee.

The Report of the General Purposes Committee (to whom your Committee’s Special Report as to the removal of the Boilers &c. was referred by the Cambridge Town Council), dated the 12th of June last, was read (see page 41) at a Meeting of your Committee, held 24th of June last, suggesting that the future supply of water should be obtained from the Cambridge Waterworks Company.

*Suggestion by  
General Purposes  
Committee of the  
Cambridge Town  
Council as to the  
future supply of  
Water to the  
Asylum.*

On the 29th of July last, your Committee proposed the following Resolution on the Motion of the Mayor of Cambridge, Mr. Peed:—

“That Mr. Francis communicate with the Town Clerk, that the Visitors of the Asylum are most anxious to remove the Boilers to avoid the great danger that it is stated exists and urging upon the Town Council to give their early assent to the removal.”

And, on the 30th of July last, the Clerk addressed a Letter to the Town Clerk embodying the above Resolution, and, on the 29th of July last, the

Clerk to your Committee was also instructed to inform the Lunacy Commissioners in London that the Town Council had not then sanctioned their Quota for the removal of the Boilers, but that the Visitors had reason to believe that it would be done in a week or two.

On the 26th of August last a Report from the Town Council (dated the 8th of August), containing one from the General Purposes Committee (see page 45), was also read, still urging your Committee to obtain a future supply of water from the Cambridge Waterworks Company, and setting forth a long letter as to Terms from the Secretary of that Company, which was referred to the Visiting Sub-Committee.

On the 19th of August last, two of the Commissioners in Lunacy from London made their Annual Inspection of the Asylum (see page 48), and on the 26th of that month a letter from the Commissioners in Lunacy, dated the 23rd of August last, was read to your Committee (see page 51), in which they state that the Town Council had not voted their share of the expense of the removal of the Boilers, but that they had forwarded to them the Commissioners a Report shewing reasons for obtaining a supply of water from the Waterworks Company instead of by Steam Power.

On the 16th of September last the Visiting Sub-Committee, by the Chairman, addressed a letter to the Cambridge Town Council in reply to their Report of the 8th of August last (see page 54).

On the 25th of November last, a Report from the Cambridge Town Council was read containing a further Report from their General Purposes Committee (in which is transcribed another letter from the Secretary to the Cambridge Waterworks Company) again urging that the future supply of water to the Asylum should be obtained from the Company (see page 52).

In reply to this last Order of the Town Council, your Committee unanimously passed the following Resolution:—

“That the Visitors having carefully considered, in the year 1866, and again in the present year, the question of taking the Water Supply from the Cambridge Waterworks Company, and the suggestions of the General Purposes Committee of the Town Council, considered that it would not be advantageous to do so. They further beg to urge on the Town Council the necessity of voting the money for the purpose of removing the Boilers from their present dangerous position, according to the urgent suggestion of the Lunacy Commissioners.”

A copy of the above Resolution was, on the 19th of December instant, considered by the Town Council of Cambridge, when they passed the following Resolution.

Resolved on the proposition of Mr. Rance, seconded by Mr. Alderman Rowe:—

“That no Order be made upon the Resolution of the Committee of Visitors of Fulbourn Lunatic Asylum of the 25th of November last.”

On the 30th of December, 1872, the following Resolution was proposed by Colonel Wale, and seconded by Mr. Pell:—

“That a copy of the Resolution of this Committee, passed on the 25th of November last, and addressed to the Town Council of the Borough of Cambridge, with reference to the removal of the Boilers, together with their reply thereto, be forwarded to the Commissioners in Lunacy, the Board of Visitors having no further legal power to advance the question.”

The following Table may be found useful, as shewing the dates when the respective Bodies voted their quotas of Grants required by your Committee for enlarging the Asylum and removing the Boilers:—

	County.	Isle.	Borough
Special Report of the Visitors for Grant of £3,100	29 June, 1871.	13 Feb., 1872.	4 May, 1871.
Special Report, 25th March, 1872, as to £1,040 for removal of the Boilers	11 April, 1872.	14 May, 1872.	—

*As to the Fire at the Asylum.*

Your Committee regret to report that on Tuesday, the 12th of March last, about half-past Five o'clock in the Evening, a Fire broke out at the Asylum, commencing in the Box Room adjoining the Chapel, and soon spread rapidly along that Building, which was wholly destroyed. Under the circumstances it was fortunate that the Fire commenced in the day time, before Kemp, the Engineer, had left the premises, as he at once, by means of the pumps, raised a good supply of water for putting out the Fire, and great praise is due to him and to Miller, Banyard, and Cheverton, for their exertions at the Fire in stopping its progress. Thanks are also due to

many Labourers and others who volunteered their services, and were very useful in subduing the Fire, which was almost entirely confined to the Chapel. The cause of the Fire was shewn to be ignition of a Wooden Peg driven through the Boiler Flue, to which the skirting of the Box Room adjoining the Chapel was affixed.

During the progress of the Fire the Patients were remarkably quiet, and many of them assisted in handing up water to put out the flames.

On the day after the Fire Mr. Rowe, Architect, of Cambridge, by direction of your Committee, examined the Buildings damaged by the Fire, and reported that he estimated the cost of reinstating the Buildings at £655. 10s., which amount was approved by your Committee, and subsequently paid in equal proportions by the Sun, the Norwich, the County, and the London Fire Insurance Societies, who jointly insured the Asylum Buildings.

On the 29th of April last, your Committee considered the subject of reinstating the Chapel and the Buildings adjoining thereto, which were damaged by the Fire, and determined that the same should be restored by the Asylum Staff of workmen, with such other assistance as should be found necessary, under the superintendence of Mr. Rowe as Architect, and the supervision of the Visiting Sub-Committee, a determination which your Committee have pleasure in recording has been attended with satisfactory results.

*As to the Restoration of the Chapel Destroyed by Fire.*

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On the 27th of May last, a Report from Mr. Rowe (dated 13th of May, 1872) as to the progress of the work of restoration of the Chapel was read to your Committee, and he therein stated that the wood had been selected and the work proceeded with at once; but Mr. Rawlinson having recommended certain additional fire proofing and other work, Mr. Rowe suggested that this additional work should be executed when the work of restoration was in progress, and in this your Committee concurred, and accordingly order the fire proofing to be carried out at a cost not exceeding £100, which was done.

On the 26th of August last, a Report from Mr. Rowe on the completion of the restoration of the Chapel (dated 22nd of August) was read (see page 57), in which, after stating that the works necessary for restoring the Asylum had been well and soundly executed, and that Messrs. English, of Wisbech, supplied the wood required for the work, Mr. Hall, Cambridge, Mason, the stone work, Mr. Constable, of Cambridge, the stained glass, and that all other works were executed by the Asylum workmen under the superintendence of Mr. Miller, the Carpenter, he concluded as follows:

“The Chapel is now in good and substantial repair, and may be used for Divine Service as formerly. I frequently inspected the work during its progress, and am happy to add that the total cost will be under the amount paid by the Fire Insurance Offices, notwithstanding the workmen’s strike—the increased cost of all building materials. It is fair to remark that this

result is in great measure due to the exertions of Dr. Bacon, in supervising the details of the work, and the very efficient assistance rendered by Mr. Miller."

The Chapel was first used for Divine Service after its restoration on Sunday, the 1st of September last.

The Chapel and Buildings were restored at a cost considerably below the amount paid by the Fire Insurance Company, in consequence of the unpaid labour of Patients having been employed and the assistance afforded by Dr. Bacon and Mr. Miller as noticed above.

Your Committee may add that the late Fire destroyed a quantity of Theatrical Property employed in Entertainments for the Patients, which happened to be in the Room in which the Fire broke out, this Property was not covered by the Fire Insurance Policies, but your Committee voted the sum of £50 to Dr. Bacon to replace that destroyed.

*As to the Restoration of Theatrical Property Destroyed by the Fire.*

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On the 28th of October last, on the suggestion of the Visiting Sub-Committee, it was ordered that Mr. Rowe be called in to decide on what Plans should be adopted in enlarging the Carpenter's Shops, which was accordingly done, and there being a quantity of surplus Material in hand, the whole work was satisfactorily carried out, including the removal of the Dead House to the west corner of the yard at a cost not exceeding £100.

*Carpenter's Shop Enlargement.*

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On the 24th of June last, Mr. C. F. Williams (who had held the office of Clerk and Steward of

*New Steward Appointed.*

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the Asylum from the 13th of September, 1869), gave notice of his intention to resign the office. Advertisements were subsequently issued, which resulted in 125 applications from which 5 Candidates were selected, namely (1) Henry Archer, late in the Clerk of the Peace's Office, Cambridge; (2) Thomas Lenton, from the Northampton Asylum; (3) J. H. Saunders, from King's College Hospital, London; (4) E. Pigott, from the West Riding of Yorkshire Asylum, and (5) Robert Stonehouse, from Morpeth, all of whom attended a Meeting of your Committee on the 29th of July last, when Mr. Henry Archer was appointed Clerk and Steward of the Asylum.

*Assistant  
Medical Officer.*

On the 29th of April last, a letter from the Commissioners was read (dated 23rd of April, 1872) (see page 58), in which they stated that, with reference to previous recommendations made by the Board for the appointment of an Assistant Resident Medical Officer for this Asylum, they asked whether (after the recent alarming Fire there, while the Superintendent was absent in London), your Committee could relieve the Commissioners' anxiety by an assurance that the appointment of such an Assistant would be no longer delayed. Your Committee passed a Resolution that they would consider the subject when the enlargement of the Asylum had been decided upon by the County, Isle, and Borough. The Commissioners in a Letter of the 23rd of August last, see page 51) again alluded to the subject, but

inasmuch as the whole question of the enlargement of the Asylum is suspended for the reasons appearing in this Report, the subject has not been further considered by your Committee.

Dr. Bacon having applied to your Committee to have without payment certain articles from the Farm and Garden hitherto charged to him, the subject was, on the 30th of December instant, considered by your Committee and Dr. Bacon's Salary was increased £60 per year\* *so long as he is the sole Medical Officer of the Asylum.*

*Salaries of Officers and Wages of Attendants & others Raised.*

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On the suggestion of Dr. Bacon, your Committee, on the 29th of July last, order that he have discretionary power to increase the Salaries of Male Attendants to the maximum of £35 per annum instead of £30 as formerly, and to Female Attendants to £22 per annum instead of £18 as formerly. On the 30th of September last your Committee increased the wages of the Engineer from 32s to 35s per week, and on the same day your Committee increased the Salary of Joseph Cheverton, the Porter of the Asylum (who has held that Office from the opening of the Asylum in 1858), from £35 to £52 per annum, he finding his own liveries, which were heretofore provided for him by the Asylum.

Your Committee regret to have to record a few instances of misconduct by Attendants at the Asylum, and hope that the prompt and decisive

*Misconduct of Attendants.*

---

\* The words in italics were subsequently omitted by order of the Visitors.

measures adopted at the time will have a salutary effect on those remaining in the Asylum.

The first case was that of Mary Steele, a Female Attendant, who on the 29th of January last was summarily dismissed from the Asylum by the Chairman for illtreating Patients under her charge and other misconduct. At the same time the Chairman thought it necessary to caution another Female Attendant named Livermore. The dismissal of Mary Steele was confirmed by your Committee.

On the 28th of October last, Dr. Bacon, through the Visiting Sub-Committee, recorded a gross case of insubordination and misconduct by a Male Attendant named George Blything, and a Female Attendant named Ellen Ransom. It appeared that certain irregularities were discovered at the Attendant's Mess Table, upon which Dr. Bacon ordered that the Female Attendants should take their Meals in the Wards. This order was defaced by Blything, who was at once dismissed by Dr. Bacon, and the Female Attendant, implicated with him, left the Asylum of her own accord. Dr. Bacon's conduct in the matter was fully approved by your Committee.

*Drains.*

---

On the 19th of December, 1871, a Report from the Visiting Sub-Committee was read, in which they stated that Dr. Bacon had drawn their attention to the defective state of the Drains and Water-Closets of both sides of the Asylum, and that the escape of the effluvium was extremely dangerous to the Inmates. Upon this Mr. Richard Reynolds Rowe was instructed to examine the same and

Report thereon, which he did, confirming Dr. Bacon's statement in every particular and suggesting an effective remedy for the defects.

The whole question of Drainage and Sewage of the Asylum was referred to the Visiting Subcommittee, who with Mr. Rowe's supervision satisfactorily carried out the work suggested.

The use of Australian Meat, in the Asylum, as noticed by your Committee in their last Annual Report, having been found satisfactory, they, on the 29th of January last, ordered that the Steward use Australian Meat (in tins) for dinners for the Patients in the Asylum during five days in a fortnight, to be selected by Dr. Bacon; the result being a diminution in the cost of Butchers' Meat.

*Australian  
Meat.*

The following is a Summary from the annual Returns of Lunatics and Idiots chargeable to Unions in the County, Isle, and Borough, on the 31st of December, 1871:—

*Statistics of  
Lunatics in the  
County, Isle, and  
Borough.*

	Males.	Females.	Total 1871.	Total 1870.
In the Asylum .....	122	125	257	266
In other Asylums .....	1	1	2	2
In Workhouses .....	30	35	65	60
With Friends elsewhere .....	42	53	95	95
	195	224	419	423

On comparing the above figures with those for 1870, it will be found that the number of Patients in the Asylum on the 31st of December, 1871, was 9 less than those in 1870, and this decrease is as follows:—

	1871.	1870.	Increase.	Decrease.
The County .....	109	111	..	2
The Isle .....	93	102	..	9
The Borough .....	53	55	2	..
			2	11
				2
				9

The number of Lunatics and Idiots in work-houses, and with friends, was nearly the same in 1871 as in 1870.

*Patients' Cost  
of Maintenance.*

Your Committee beg to report that they have, with the exception of the quarter ended 30th of March of the present year (when the charge was 10s. 6d. per head per week), been enabled to preserve one uniform rate of 11s. 1d. per head per week for maintenance of Pauper Patients chargeable to the County, Isle, and Borough.

*Orders made  
by the Committee  
on the Treasurers  
of the County,  
Isle & Borough.*

Pursuant to the 38th Section of the Lunacy Act 1853, your Committee have, during the past year, issued orders on the respective Treasurers of the County, Isle, and Borough, for "Landlord's Repairs," the under mentioned amounts in the proportions appearing below:—

1872.	County.	Isle.	Borough.	Total.
	£. s. d.	£. s. d.	£. s. d.	£. s. d.
February 26th ..	128 6 10	99 16 5	42 15 7	270 18 10
May 27th .....	192 5 2	149 10 9	64 1 9	405 17 8
August 26th ...	115 13 9	89 19 7	38 11 3	244 4 7
November 25th..	93 0 8	72 7 2	31 0 2	196 8 0
	529 6 5	411 13 11	176 8 9	1117 9 1

The following table shews the number of <sup>Patients in the Asylum.</sup> Patients recorded in your Committee's Minute Book, as being in the Asylum at their several Meetings throughout the past year:—

1872.	Cambridgeshire Patients, 1872.			Out-County Patients, 1872.			Totals, 1872.			Totals, 1871.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
29th January .....	122	136	258	3	1	4	125	137	262	120	149	270
26th February .....	118	137	255	3	1	4	121	138	259	124	145	269
25th March .....	119	137	256	3	1	4	122	138	260	124	141	265
29th April .....	122	138	260	3	1	4	125	139	264	125	138	263
27th May .....	121	139	260	2	3	5	124	141	265	125	141	266
24th June .....	123	144	267	3	1	4	126	145	271	123	139	262
29th July .....	122	146	268	3	1	4	125	147	272	123	138	261
26th August .....	119	147	266	7	1	8	126	148	274	127	141	268
30th September ..	121	149	270	3	0	3	124	149	273	128	142	270
28th October ..	119	150	269	3	0	3	122	150	272	125	139	264
25th November ..	120	146	266	3	0	3	123	143	269	122	137	259
30th December ..	122	147	269	3	0	3	125	147	272	123	136	259

From an attentive consideration of the foregoing statements it appears evident that in the present state of the Law (*vide* secs. 31 and 45 of the Lunatic Asylums Act 1853), no work however necessary, no undertaking however urgent can be carried out in this Institution without the unanimous consent of four district authorities, (*viz.*), the Courts of Quarter Sessions of the County and Isle respectively, the Town Council of the Borough, and the Commissioners in Lunacy in London; and the conflicting opinions, as well as interests of those bodies, render the speedy and satisfactory completion of any work, however expedient, a matter of the greatest difficulty; and in the present instance the delay in proceeding with the proposed enlargement of the Building for the last 18 months will be found to have enhanced the cost of the work (from the rise of the prices of labour and materials) not less than 20 per cent.

In order to shorten this Report, as much as possible, the copies of all Reports and correspondence therein referred to have been omitted, but they will be given *extenso* by way of Appendix, when the Report is printed, together with the Reports of the Medical Superintendent and Chaplain, and the Asylum Accounts.

C. R. PEMBERTON,  
Chairman.

THE ASYLUM, FULBOURN,  
30th December, 1872.

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

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

Office of Commissioners in Lunacy, Commissioners'  
remarks on Plans  
referred to at  
page 7.  
19, Whitehall Place, S.W.  
14, March, 1872.

SIR,

I am directed to forward for the information the accompanying copy of a Memorandum made by two Members of the Board after an interview with the Medical Superintendent and Architect of the Cambridgeshire Asylum on the 12th inst.

I am, Sir,

Your obedient Servant,  
CHARLES PALMER PHILLIPS,  
Secretary.

Clement Francis, Esq.,  
Clerk to the Visitors,  
Cambridge Asylum.

MEMORANDUM.

*The Cambridge Asylum, Proposed Enlargement.*

12 March, 1872.

Dr. Bacon, the Superintendent, and Mr. Pritchett, the Architect, attended this day, by appointment, to submit Plans for certain additions and improvements proposed to be made on the Male Side, at the Cambridge County Asylum. The alterations comprise an enlargement of the Day Room Space, new Single Rooms, a General Bath Room and Water Closets, a Common Dining Room for Men, and a Corridor of Communication.



The mode in which the additional accommodation is proposed to be provided at the Western extremity of the Building appeared on the whole to be satisfactory, provided a Bath Room be added to the Plans, but as regards the rest of the Design we were unable to give our approval for the following reasons:

The proposed addition to the Central Day Room will be most gloomy unless lighted from the roof, a mode at all times objectionable. The Fire-places will be in very inconvenient positions. The space at the back of the main Building will be much blocked up by this projection, and will be still further restricted by the New Water Closets, &c. and the intended Corridor of Communication.

To remedy these defects we have suggested that the addition to the Central Day Room should be made on the Front or South Side, that the position of the Bath Room should be altered and brought close to the Ward, and that the Water Closets should be built adjoining it. The projection of the Day Room to the South would involve the carrying up of the Building two Stories, but the space thus obtained would we think prove most useful and afford better means for classification. We also recommend that the Corridor of Communication be made straight throughout, and that its Roof be kept as low as possible.

As regards the proposed Dining Room, we think that it will be most unsuitable for its purpose, although 55 feet long by 44 feet wide, it will only be 10 feet 6 inches high to the Wall-Plate and 6 feet more to the Tie-Beam, where it will be Ceiled, the effect of such a Room would be so bad, the Ventilation would be so difficult and it would be so useless for purposes of Associated Recreation, that we are of opinion that it would be most unwise to incur any expense in the formation of an Apartment which we are well assured would be found in use eminently unsuitable and unsatisfactory. Moreover one of the Gables when executed would be within about 20 feet of the North Window of a large Day Room, greatly diminishing the Light and obstructing the Ventilation.

We are of opinion that a Central Dining and Recreation Room, in which both Sexes can be assembled, is most important in all Asylums; we would therefore strongly advise that the present plan of making a Room for Males only should

be abandoned, and that a General Recreation Hall should be provided, for even if some delay should be necessary in carrying out the design. Omitting therefore for the present all consideration in regard to a Dining Room, we have pointed out to Mr. Pritchett how, in our opinion, the other alterations may be carried out, and he has undertaken to furnish sketches of the suggested alteration, and to make a rough calculation of the increased cost (if any) which would be incurred.

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Office of Commissioners in Lunacy,  
19, Whitehall Place, S.W.,  
March 21st, 1872.

*Letter from the  
Commissioners  
referred to at  
page 8.*

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SIR,

The Commissioners in Lunacy direct me to forward the accompanying Memorandum of a further interview held this day between themselves and Mr. Pritchett, the Architect, at which Colonel Wale was also present. You will have the goodness to lay the Memorandum before the Committee of Visitors at their next Meeting.

I am, Sir,

Your obedient Servant,  
CHARLES PALMER PHILLIPS,  
Secretary.

Clement Francis, Esq.

Office of Commissioners in Lunacy,  
19, Whitehall Place, S.W.,  
21 March, 1872.

MEMORANDUM.

*The Cambridgeshire Asylum, Plans for Proposed Additions.*

Mr. Pritchett attended at the office this day, by appointment, to submit the Sketches which he had undertaken to prepare, with a view of showing in what manner the suggestions made at our previous interview might be carried out. Colonel Wale, one of the Committee of Visitors, was present at the desire of Major Pemberton, the Chairman, who was unable to attend.

We think that the Alterations thus made are great Improvements upon the Original Design, and if the Visitors concur with this View, so far as the Wards are concerned, we shall be prepared to recommend the Plans for the approval of the Secretary of State.

As regards the New Infirmary Wing, we are of opinion that it should be carried out as originally designed.

Mr. Pritchett has also shown in what manner and in what position a General and Central Dining Hall might be provided, and appears to have overcome the difficulties attending the subject with much success.

In a letter from the Clerk to the Visitors, dated the 19th inst., he forwarded a Resolution passed at their last Meeting, in which referring to the Fire which has destroyed a portion of the Chapel, they directed Mr. Pritchett to ascertain whether the altered circumstances at the Asylum affected the observations and suggestions made by us when the Plans were first submitted.

So far as we can ascertain from the Report of Mr. Rowe, the Architect, who has examined the Premises in the neighbourhood of the Fire, the Removal of the Boilers from their present position in the centre of the Building is a matter of the utmost importance. Should this be carried out, the difficulties previously existing in reference to the erection of a Central Dining Hall, would, for the most part, be removed, and we can see no reason whatever why the Scheme should not be carried out. Mr. Pritchett seems to think that the expense of building a room of suitable size would not exceed £1,200, or about double the cost of the proposed conversion of the Men's Workshop Block.

We have already pointed out the many objections which exist to this conversion, both as regards the obstruction of light and air to the Wards and the entire unsuitableness of the proposed room for a General Dining and Recreation Hall.

There will, no doubt, ere long be a necessity for an Enlargement on the Women's Side, and should a Second Dining Room for them be erected, the cost of the two unsuitable rooms would be equal to that of the Central Hall.

We are of opinion, therefore, that the altered circumstances consequent upon the recent Fire do very materially affect this question, and we would very strongly recommend that the erection of a suitable Central Dining and Recreation Hall should form part of the present Scheme of Enlargement, whereby ultimately a saving of expense will be effected, as the Contractor's "Plant" will be on the spot, and a more economical Contract could be made, whilst the confusion

consequent upon building operations would be more speedily at an end.

With a view of deciding how far the Removal of the Boilers and Flues from the centre of the building, is a question involving the safety of the Asylum and some of its Inmates, we have requested Mr. Rawlinson, the Civil Engineer, to make a personal examination, and report the result to our Board.

*To the Visitors of the Cambridgeshire and Isle of Ely Lunatic Asylum, assembled at a Monthly meeting, this 25th day of March, 1872.* Mr. Pritchett's Report referred to at page 9.

GENTLEMEN,

Some re-arrangement of the Plans approved at your Meeting on the 17th of April, 1871, being suggested by the Commissioners in Lunacy. I have to state that they recommend the enlargement of one of the Ground Floor Day Rooms by bringing it out Southward instead of Northward, and carrying it up both stories, as shewn on the accompanying Plan and Elevation.

The Bath Room can then be formed by an enlargement and extension of the present one, with W. C.'s and Lavatory on one side of it; and a passage into the Corridor on the other, as shewn on the Plan.

The Commissioners consider that the space over the enlarged Day Room alluded to will be useful, and will to some extent restore the loss of Day Space taken from the first floor.

The arrangements of the new Infirmary Wards, as designed last year meet with approval by the Commissioners, and they consider it very desirable to complete these Wards as designed.

The Corridor (and its arrangements) also meets approval until it reaches the proposed Dining Hall for the Males.

The proposed Dining Hall being formed out of additions to the several Workshops does not meet with favour; those buildings as to height and construction being in the opinion of the Commissioners ill-adapted for such a purpose.

The obstruction to the light of the present Day Rooms by the proposed Dining Hall is also remarked upon.

Any interference with the Workshops is objected to.

The construction of a General Dining Hall for both Males

and Females is strongly urged in preference to one for Males only.

If the Corridor is carried on further and a General Dining Hall is built as shewn, it will meet with the entire approbation of the Commissioners.

A good Lobby will be the approach to the Dining Hall for the Males.

A Visitors' Room of fair size and in a good position can also be obtained as shewn.

The back entrance for Tradesmen and Visitors will not be interfered with, and the Kitchen Court and its Entrances will be available for sundry purposes as at present.

The Females will have a separate approach on the opposite side by a slight alteration of the Stairs to the Basement.

A Serving and Washing-up Room, and a China Room will be formed in connection with the New Hall as also other conveniences.

It may be remarked that the Kitchen and Culinary arrangements lie well for the New Dining Hall in the position proposed, and as exhibited on the Plan.

The light to the existing buildings will scarcely be interfered with at all.

The Fire having partially destroyed the Chapel will not affect the alterations; as from its position it is not available for what is now wanted, unless the whole of the Kitchen department is remodelled.

The three Steam Engine Boilers are under the centre of the buildings; it would be desirable to erect a suitable Engine House, Chimney, and Boiler Room at a distance, as shewn on Plan. The recent Fire is strongly corroborative of this opinion, which is entertained by the Commissioners.

Touching upon Mr. Rowe's excellent Report upon the Fire and its origin, I consider that sufficient margin has not been allowed in his estimate for expenses, contingent upon the cost of renovation, *e.g.* the cast iron may have been damaged by the water thrown upon it whilst in a heated condition, causing cracks and damage not visible to the eye.

I have the honour to be,

Gentlemen,

Your obedient Servant,

G. E. PRITCHETT,  
Architect.

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*Cambridgeshire, Isle of Ely, and Borough of Cambridge Pauper Lunatic Asylum situate at Fulbourn. Report on the position and arrangement of the Steam Boilers at the Fulbourn Asylum, Cambridge. By ROBERT RAWLINSON, C.B., C.E.* Mr. Rawlinson's, C.E., Report as to the Boilers referred to in pages 11 and 12

27th March, 1872.

*To the Commissioners in Lunacy.*

MY LORD AND GENTLEMEN,

On the 22nd inst. there were forwarded to me by C. P. Phillips, Esq., certain Reports, one by Dr. Bacon the Medical Superintendent, and one by R. Reynolds Rowe, Esq., Architect, relative to a Fire which had recently taken place at the Asylum; my instructions being, that I would proceed to the place and examine certain Steam Boilers in their present position (which is within the walls of the Asylum), and soon as practical, report to you as to the fitness and safety or otherwise of such arrangement.

On the 25th inst. I proceeded to the Asylum, and met Dr. Bacon, Mr. Rowe, and G. E. Pritchett, Esq., Architect. In company with these gentlemen I looked over the Plans of the Building, and then proceeded to examine the site of the Steam Boilers, as also the ruins made by the recent Fire.

The Steam Boilers now used for the several purposes of the Steam Engine Power for Pumping Water, for Cooking and for Laundry purposes, as also for warming the Building, are situate in vaults or cellars at the centre of the Building under the Kitchen and Attendant's Mess Room. A square Tower rises above this portion of the Building, having groups of Common House Flues carried up in the angle piers, these Flues being of the ordinary dimensions, 14 in. by 9 in., and having terra cotta tops 8 inches square. There are 4½ in. Mid-Feathers betwixt the Flues and on the Corridor side above the basement the wall is only 4½ in. brick thick, these Flues cannot have been designed for such Steam Boilers as are now in use, because they are much too small for such a purpose, and the common bricks are poor of their sort, set in ordinary lime mortar, the brickwork is also far too thin for a Steam Boiler Furnace Flue, if even the best materials had been used.

The Cellars or Vaults are below the surface of the ground some 10 ft., so that the Steam Boilers are enclosed in on every side, and should an explosion at any time unfortu-

nately take place, the effects must be expended upwards, like the exploding of a buried bombshell or torpedo, such an explosion might bring all above down, including the Bell Turret, the Tower and Water Tank, in one common ruin.

The Asylum has been in use about 14 years. In the first instance several small boilers (4) having comparatively small furnaces, were used for the ordinary requirements of Warming, Cooking, and Washing. Water was at this time obtained from the Cambridge Waterworks Company by contract, subsequently this contract ending, and the Company making extravagant demands for their Water, the Asylum Committee sunk a Well on the premises, and put down pumps which were worked by a capstan; this mode of obtaining water was however given up, and in 1867, the existing Well, Steam Engine, Pumps, Fittings, and Engine-House were established.

The Boilers now in use are high pressure, working to about 30 lbs. on the inch.

The Steam Engine is a small Horizontal of 4-horse power. But the power will be as the pressure of the steam used for the time.

The Well is about 40 ft. deep, sunk into the water bearing strata composed of lime stone, the water is consequently hard, the Water is lifted into the Tank which is 75 feet above the ground.

The Tank is of cast iron, it is within the Tower, and rests on beams of wood. It contains when full about 7000 gallons, the volume pumped per day is from 16000 to 20000 gallons, or more than twice, and at intervals nearly three times the capacity of the Tank.

Engineer and Stoker both live out of the house, and leave the premises for some twelve hours each day without protection, so that a fire might occur in the night, and the water in the small tank be run out before steam could be got up to replenish it.

The Tank should have been of capacity to contain not less than 30,000 gallons, so as to have provided a reserve to prevent Sunday working and a full volume for any fire purposes. Such a Tank could have been placed on the existing Tower under modified arrangements.

The existing state of things as regards the Steam Boilers now in use has been of gradual growth. The Plans as

first submitted and sanctioned, only showed ordinary Flues provided for four small Steam Boilers to be used exclusively for Asylum household purposes, each Boiler-Furnace had its own proper Flue, which was then considered sufficient. The four Small Boilers were however found to be very costly in fuel, and about twelve years since they were replaced by two of larger dimensions. These are each 10 ft. long by 4 ft. diameter, having a central Furnace and Flue, and are set in brickwork; as they have been in use about twelve years, it has been found necessary to make repairs to the Plates which can be seen.

What condition the Plates are in where they are hidden by the brickwork of the setting, it is impossible to say. That they have lost much of their original strength is quite certain.

The new Steam Boiler very recently put up is much larger than the other two, as it is 15 ft. long by 5 ft. diameter, having an Internal Furnace and Flue, and with steam at a pressure of 30 lbs. to the inch, it is called a 12-horse power Boiler. An ordinary Chimney Flue of common bricks 14 in. by 9 in. is made to receive the intense heat generated in such a Furnace, and the consequences are, that the inside of the Flue is heated far beyond the resisting power of the common bricks and common mortar, and in the Corridor above the Basement, the face of the  $4\frac{1}{2}$  in. wall of the Flue becomes perceptibly very hot. On both sides of this Flue there is woodwork in contact with the heated bricks, as at the Wainscoting of the Chapel and the Skirting and Flooring Boards of the Inner Corridor; the Flues also rise to a Flying Buttress from Corridor Wall to Tower, and at this point the Roof Timbers of the Chapel were in contact with the heated brickwork; that a fire should have taken place is not surprising, such contingency having been amply provided for by the malarrangements described.

Some five years since, part of the Chapel Wainscoting caught fire, about 9 o'clock in the morning, from one of the small Boiler Flues then in use, fortunately it was immediately observed and was soon extinguished.

The building is partially fire-proof on Fox and Barrett's plan, or the entire establishment might have been consumed by this recent fire; the principles of fire-proof construction have, however, been sadly neglected in driving wedges of



wood into the brick joints of Chimney Flues, and in nailing Wainscoting, Skirting, Flooring Boards, and Roof Timbers in contact with large Kitchen and Steam Boiler Flues, such as those described.

#### CONCLUSIONS.

1. That from an examination of the Building, I come to the conclusion, that the existing arrangement having large Steam Boilers in Cellars within and beneath the central and main part of the Building, could not at first have been contemplated by the Architect, and was not therefore sanctioned by the Commissioners; the Flues are ordinary House Fire Flues, and in no respect fitted to be used for large 12-horse Steam Boiler Furnace purposes.

2. That the Steam Boilers and Steam Engine ought not to be placed within the Main Building in such position, that with an explosion the effect must be expended upwards, so as not only to bring the building above to ruin, but to bury Boiler and Engine at the same time.

3. That Steam Boilers ought to be away from the main Building, and beneath a Shed Roof.

4. That Steam Boilers, such as those now in use, require a proper Engine Chimney, which had better be a detached Shaft.

5. That the Wainscot, Skirting Boards, and Floor Boards, over or near any Flues, had better be removed, and the Wall be made good with Cement and the Floors with Concrete.

#### RECOMMENDATION.

I beg to recommend, that the Steam Boilers and Steam Engine now in use and situate in the Cellars beneath the central and main part of the Asylum Buildings as described, be removed as soon as practicable, and be placed in separate buildings with Shed Roofs to insure the safety of the main Building and to prevent destruction to human life.

I have the honor, &c.,

ROBERT RAWLINSON.

#### APPENDIX.

The Water at Fulbourn Asylum is hard with Salts of Lime, this tends to deposit by boiling, and the lime and dirt fur both the Boilers and the Pipes leading to and from them; hard water is therefore a source of danger to High

Pressure Steam Boilers, because there is a certainty of deposit on and over the bottom Plates, and the Feed Pipe may also gradually be diminished by this lime deposit.

Explosions of Steam Boilers take place from several causes, as when the Plates are coated by lime or dirt deposit they burn out and wear thin, and if at any time the feed of water is diminished so as to bring it (the water) below the Furnace and Flue Plates, and these become red hot, an explosion takes place of the most destructive character.

R. R.

*To Her Majesty's Justices of the Peace for the County of Cambridge and Isle of Ely respectively, in Quarter Sessions assembled, and to the Town Council of the Borough of Cambridge.* Special Report of the Visitors, 25th March, 1872, referred to at page 11.

*The Committee of Visitors of the Cambridgeshire, Isle of Ely, and Borough of Cambridge Pauper Lunatic Asylum, beg to Report as follows:*

On the 17th of April, 1871, your Committee by their Special Report applied to you for a Grant of £3100, which with £900 then standing to the Credit of the Building Fund making together £4000, your Committee were advised by their Architect (Mr. Pritchett) would be sufficient to defray the cost of altering and improving the Asylum to meet the requirements of the Commissioners in Lunacy, viz. an Enlargement of the Day Room so as to give the Cubical Space for each Patient required by the Commissioners, new Single Rooms, a General Bath Room and Water Closets, a Dining Hall for the *Male Patients* and a Corridor of Communication; but that Estimate did not include placing the Central Day Room on the South side of the Asylum as suggested by the Commissioners, which necessitates the erection of two storeys instead of one, and consequently involves a greater expenditure.

Your Committee's Report and the Plans and Specification were laid before the Town Council of the Borough at their Meeting held the 4th May, 1871, and before the Quarter Sessions for the County held on the 29th June, 1871, and were approved and adopted by both.

On the 8th of August, 1871, the Report and Plans were

submitted to the Quarter Sessions for the Isle of Ely, but that Body passed a Resolution referring the subject back to your Committee for re-consideration.

On the 29th of August, 1871, your Committee forwarded to the Commissioners in Lunacy, the Plans and Specification in question, together with a Copy of their Report of the 17th of April, 1871, and a Copy of the Resolution of the Isle of Ely Quarter Sessions of the 8th of August, 1871.

A correspondence then ensued between the Commissioners in Lunacy and H.M. Secretary of State for the Home Department, and the Clerk of the Peace for the Isle of Ely. At a Quarter Sessions for the Isle of Ely on the 13th of February, 1872, your Committee's Special Report of the 17th of April, 1871, together with the Plan and Specification were approved and adopted.

On the 26th of February, 1872, your Committee directed Dr. Bacon and Mr. Pritchett to proceed to London to meet the Commissioners in Lunacy and their Consulting Architect, and fully explain the Plans, which they did on the 12th of March instant. On that day the Commissioners addressed a letter to your Committee with observations and suggestions resulting from that interview, by which it appeared that the additional accommodation, proposed to be provided at the Western extremity of the Building was on the whole satisfactory to them, provided a Bath Room was added to the Plans; but the Commissioners objected to the Central Day Room as being gloomy, and pointed out what to them seemed defects in other parts of the proposed alterations, and to remedy those defects they suggested that the addition to the Central Day Room should be made on the Front or South side of the Asylum. That the position of the Bath Room should be altered and brought close to the Ward, and that Water Closets should be built adjoining it. The Commissioners also recommended that the Corridor of Communication should be made straight throughout. They were also of opinion that a Central Dining and Recreation Room in which both sexes could be assembled was most important in all Asylums, and strongly advised that the present plan of making a Room for Males only should be abandoned, and that a General Recreation Hall should be provided for, even if some delay should be necessary in carrying out the Design.

On the same day that this interview took place, viz. the 12th of March inst., a fire broke out at the Asylum which almost entirely consumed the Chapel and Fittings, part of the Centre Building of the Asylum.

In consequence a Special Meeting of your Committee was held on the 16th instant, when the Report of Mr. R. R. Rowe, Architect, on the Fire, was read, and therein he drew the attention of your Committee to the dangerous position of the High Pressure Boilers at the Asylum, in the Basement of the Centre Building, and also the Defective Construction of the Flues.

Your Committee thereupon resolved to send Mr. Pritchett to London again with Mr. Rowe's Report on the Fire, and ascertain whether the altered circumstances at the Asylum caused by the Fire would affect the Commissioners' observations and suggestions, and accompanied by Col. Wale, Mr. Pritchett accordingly attended the Commissioners on the 21st instant.

Your Committee again met this day, when a Letter from the Commissioners in Lunacy, and their further observations after Mr. Pritchett's second interview with them were read.

From their Letter and observations it would appear that the Commissioners are satisfied with the Plans after the alterations made as suggested by them, and were prepared to recommend them for the approval of the Secretary of State.

The Commissioners (referring to Mr. Rowe's Report as to the position of the Boilers) state that their removal from their present site was a matter of the utmost importance, and they promised to send Mr. Rawlinson, the Government Civil Engineer, to examine the Boilers and to Report thereon. Mr. Rawlinson accordingly attended at the Asylum, on the 25th instant, previous to your Committee's Meeting and in his able Report to the Commissioners in Lunacy on the construction of the Boilers and Flues and their present position, dated 27th of March, 1872, Mr. Rawlinson concludes as follows:

#### CONCLUSIONS.

1. That from an Examination of the Building I come to the conclusion that the existing arrangement having large Steam Boilers in Cellars within and beneath the Central and Main Part of the Building, could not at first have been

contemplated by the Architect and was not therefore sanctioned by the Commissioners, the Flues are ordinary House Fire Flues, and in no respect fitted to be used for large 12-horse Steam Boiler furnace purposes.

2. That the Steam Boilers and Steam Engine ought not to be placed within the Main Building in such position that with an explosion the effect must be expended upwards so as not only to bring the Building above to ruin, but to bury Boiler and Engine at the same time.

3. That Steam Boilers ought to be away from the Main Building and beneath a Shed Roof.

4. That Steam Boilers such as those now in use require a proper Engine Chimney, which had better be a detached Shaft.

5. That the Wainscot Skirting Boards and Floor Boards over or near any Flues had better be removed, and the Wall be made good with Cement, and the Floors with Concrete.

#### RECOMMENDATION.

I beg to recommend that the Steam Boilers and Steam Engine now in use and situate in the Cellars beneath the Central and main part of the Asylum Buildings as described, be removed as soon as practicable and be placed in separate Buildings, with Shed Roofs to insure the safety of the Main Building and to prevent destruction to Human Life.

At a Meeting of your Committee held this day, at which there were 13 Visitors present, viz. 4 County, 5 Isle, and 4 Borough. The following Resolution was on the proposition of Mr. O. Pell, seconded by Major Fryer, unanimously passed:—

“That the original Plans and Specifications as added to and amended by the Commissioners in Lunacy (omitting the Dining Hall for the present) be re-submitted with Estimates and Specifications to be prepared by Mr. Pritchett to the Quarter Sessions of the County and Isle and the Town Council of the Borough, and that a further Grant for a sufficient sum to carry out such Works, be asked from the several Courts.”

Accordingly herewith are laid the Original Plans and Specifications as agreed to by the County, Isle, and Borough, on your Committee's Special Report of the 17th of April, 1871, together with Mr. Pritchett's Estimate for carrying out the several Works (omitting for the present the Dining

Hall which is therefore not included in the Estimate), by which it will be seen that the sum of £2040 is required to carry out all the alterations originally proposed by your Committee, and the amendments suggested by the Commissioners in Lunacy (but exclusive of the Dining Hall), and including the large item of £1040 for removal of the Boilers from their present admitted dangerous position, and providing an Engine House and refix them therein, this latter item having been forced upon your Committee by reason of the recent disastrous Fire.

After deducting the sum of £3100 already voted by the County, Isle, and Borough, and £900 standing to the credit of the Building Account, leaves the sum of £2040 to be provided for, and which amount your Committee under all the circumstances beg the several Courts will grant in the usual proportions, viz.

	£.	s.	d.
County, 9-19ths .....	966	6	4
Isle, 7-19ths .....	751	11	7
Borough, 3-19ths .....	322	2	1
	<hr/>		
	£2040	0	0
	<hr/>		

C. R. PEMBERTON, CHAIRMAN.

The Asylum Fulbourn,  
25th March, 1872.

Town Clerk's Office,  
Cambridge,

13 June, 1872.

*Report of Town  
Council referred  
to at pages 12 and  
13.*

*Lunatic Asylum.*

DEAR SIR,

I am instructed by the Town Council to forward you the enclosed copy Report of General Purposes Committee, which was adopted this day, and shall feel obliged by your laying same before the Visitors of the Asylum at the next Meeting.

I am, dear Sir,

Yours obediently,

For the Town Clerk,

HY. HOULDEN.

C. Francis, Esq.

*To the Council of the Borough of Cambridge.*

The General Purposes Committee have to Report:—

That they have considered the Report of the Lunatic Asylum Visitors, dated 25 March, 1872, in which it is proposed to call on the three bodies interested in the Asylum for a further expenditure of £2,040, in addition to previous sums of £3,100 and £900 therein mentioned.

Of this further sum the large item of £1,040 is required for Removal of the Boilers in the Asylum from their present admittedly dangerous position, and for providing an Engine House and re-fixing them therein.

From the Third Report (1860) of the Visitors it appears that the Boilers, which cost £390, were advisedly placed in a central part of the building, so as to be under the control of one Engineer and to save Fuel; and this saving appears by the Fourth Report (1861) to have been satisfactory.

From the Eighth Report (1865) it appears that the Water Company offered to supply Water at 8*d.* per 1,000 Gallons, at which rate it was estimated the cost of such supply would amount to £146 per annum; the Visitors offering to pay 7*d.*, which would have amounted to £127. 15*s.* From the Report of a Sub-Committee on the Water supply it appears that a Steam Engine was put up at a cost of £165. 10*s.*, not including Brick or Wood Work, and the cost of working the Engine was estimated at £120 per annum, to include Coals, Engineer, &c.

It appears from the Ninth Report (1866) that the actual cost of Well, Engine, and House, was £324. 11*s.* 2*d.*, the New Well having been dug in the Yard adjoining the Boilers, and over it was placed the Steam Engine and Pumps, with easy access from the Boiler House, so that one Engineer could attend to both. The cost of working was now estimated at probably about £40 per annum. This supplied the previously existing Water Storage of about 7,000 Gallons.

It is believed that the Lunacy Commissioners now require a Storage Supply of 30,000 Gallons; and to guard against the danger of Fire in the night it would appear that an Attendant will be required to be constantly on service in the Engine Room.

In the Twelfth Report (1869) the Lunacy Commissioners Report an Improvement, as only 2 Male Patients are bathed in the same water, and the numbers in the Female Division were diminished.

It appears, however, the Deficiency in the Bathing Accommodation was still greatly felt.

In the Fourteenth Report (1871) it is stated that the Boilers, though not unsafe, required careful watching, as the plates had become thin, and that it would not be prudent to work them so incessantly as was then done, and arrangements were made to supply a New Boiler at a cost of £142. 0s. 10*d.*; and in the Lunacy Commissioners' Report appended thereto, observations were made praising the arrangements by which, in spite of existing difficulties, there was ensured to each Patient, even with the defective supply, a change of water, and it was hoped certain arrangements could be made, to remedy the want so much felt, of a proper number of Ward Waterclosets, there being Wards in both divisions with only one for 60 Patients.

The consumption of Coal at 17*s.* 6*d.* per ton seems to cost about £240 for 263 Inmates.

Though no doubt a Boiler and other Apparatus would be required for Cooking, Gas Making, and other purposes, still the main object of the Steam Boiler and Engine purposed to be furnished is to obtain the Water Supply.

The Committee cannot but think that it is satisfactorily established, that the late Fire was occasioned, by the excessive use of furnaces, attached to the Steam Engine Boiler, being connected with flues not constructed for any such large fires; and that at looking at the risk arising from furnaces—the discomfort probably arising to the Inmates from the close contiguity of Steam Apparatus—the cost of erecting the Boiler, Engine House, and Machinery—wear and tear—the additional cost arising from the extra storage of water required to meet casualties of fire, &c., which is not provided for in the present proposed expenditure—and of day and night attendance in Engine Room—much inconvenience, present expense, and future regular annual cost, would be avoided by obtaining the supply, by meter, on the constant system, from the Water Works Company, the pipes being already laid, so that the connection could be restored at a trifling expense. It may be stated that the feasibility, of thus obtaining this water



supply, had never been suggested to the Asylum Architect, or Lunacy Commissioners, and that, under the present system, the consumption of water is obliged to be economised as much as possible.

The Committee therefore recommend that the attention of the Visitors, and the other two bodies, interested in the Asylum, should be called to these points.

These seem to be the only questions, on which the Visitors, in their Report, state that Mr. Rawlinson has arrived at certain conclusions set forth in it, and therefore your Committee have made no Report upon the other points involved in the large additional expenditure, as they have not sufficient materials before them, to form an opinion, as to the necessity and advisability thereof.

Guildhall,  
12 June, 1872.

HENRY RANCE, *Chairman.*  
T. H. NAYLOR.  
WILLIAM BOND.  
THOMAS GREEN.  
ROBERT ELLIS.  
ED. BELL.  
E. R. LAWRENCE.

*Report of Isle  
of Ely referred  
to at page 12.*

Isle of Ely, to wit.

*At the General Quarter Sessions of the Peace of our Sovereign  
Lady the Queen, holden by adjournment, in and for the Isle  
of Ely, at March, in the said Isle, on Tuesday, the 14th day  
of May, 1872—*

The Additional Report of the Visiting Justices of the Lunatic Asylum, dated the twenty-fifth of March last, together with a letter from the Lunacy Commissioners addressed to the Clerk to the said Visitors, and dated the fourteenth of March last, having been read, and Oliver Claude Pell, Esquire, having withdrawn the motion of which he gave notice at the last Quarter Sessions—It is Resolved and Ordered, by this Court, that the consideration of the said Report, with the exception of such part thereof as relates to the Removal of the Boilers from the Main Building of the

said Asylum, be postponed until the next Adjourned Session to be held on the thirteenth of August next.

After reading the Report of the Visitors of the Lunatic Asylum, dated the twenty-fifth of March last, and the Plans of the proposed Works and Alterations having been laid before the Court by Mr. Pritchett, the Architect—It is Resolved and Ordered by this Court, upon the motion of Oliver Claude Pell, Esquire, seconded by Robert Charles Catling, Esq., that the sum of three hundred and eighty-three pounds three shillings and twopence, the proportion required to be paid by this Isle (being seven nineteenth of the sum of one thousand and forty pounds mentioned in the said Report) be granted for the purpose of Removing the Boilers from the Main Building of the said Asylum.

By the Court,

FRED. M. METCALFE,  
Clerk of the Peace.

28, Green Street,  
Cambridge,  
10th August, 1872.

*Report of Town  
Council referred  
to at page 14.*

C. Francis, Esq.

*Lunatic Asylum.*

DEAR SIR,

I beg to send you Copies of two Reports made to the Town Council, as to the Water supply to this Institution, with the Resolutions of the Town Council thereon.

As to the first Report, I understand that at one of the recent Meetings of the Visitors, some observation was made as to its not having been formally sent, but which, I confess, I cannot understand, but, however, I thought it well to send it again.

Your letter of the 30th ult. was laid before the Council at their last Meeting, but no order was made thereon.

I shall be glad of an acknowledgement of the receipt of this letter and the accompanying documents.

Yours truly,

EDMOND FOSTER,  
Town Clerk.

Borough of Cambridge.

*A Council holden at the Guildhall there, on Thursday the eighth day of August, one thousand eight hundred and seventy-two.* SAMUEL PEED, *Esquire, 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 have to report—

That copies of the last Report of your Committee as to the supply of Water at Fulbourn Lunatic Asylum have been distributed amongst the different bodies interested, but no formal notice of its contents has at present been taken.

As it was understood that the cost of supply from the Cambridge Waterworks Company would be very considerable, the Committee gave instructions to apply to the Company as to the probable cost, and received the following reply.

Offices, 4, Benet Street,  
Cambridge, July 22nd, 1872:

DEAR SIR,

*Water Supply to Fulbourn Asylum.*

In reply to your letter of the 15th instant, I am able, after considering the present data for calculation, to inform you that a supply of Water from the Company's Works to the above Institution would probably cost about £145 per annum.

I have, after working out to its necessary result the first paragraph on page 7 of the 9th Annual Report from the Visitors of the Asylum, allowed 36 gallons per head per day as the quantity of Water to be consumed, that being the rate ascertained by Meter 1865-6.

In the Report alluded to, the cost of a supply from the Company is estimated at £146 per annum. At that time the average number of Inmates of the Asylum was 333, including the staff. The Company's rate for the estimated consumption 4,380,000 gallons per annum by such a number of Inmates, would have been at the rate of 8*d.* per 1000 gallons, the total amount of consumption being above the 4 million gallons per annum.

According to the last (14th) Annual Report of the Visitors, there were 296 Inmates, including the Staff. Taking the consumption of Water at 36 gallons per head per day, it would have given 3,889,440 gallons per annum, which being under the 4 million gallons per annum, would have been charged at 9*d.* per 1000 gallons, and have cost about £145 per annum. In other words, the increase in the price to 9*d.* per 1000 gallons would have been caused by the reduction in the quantity consumed to an amount below 4 million gallons per annum. See the Company's Scale of Charges.

I may mention, that the consumption of 36 gallons of Water per head per day at the Fulbourn Asylum appears to be high, as is shewn by a comparison with the results at the Asylum at Earlswood. At that Institution, the rate per head per day is not more than  $22\frac{3}{4}$  gallons, and a supply at this rate would amount to 2,457,910 gallons, which, at 10*d.* per 1000 gallons, would cost £102 per annum.

I am authorized by the Directors to state, that if the Company's supply were taken for general use in domestic purposes at the Asylum, no charge would be made for water used in extinguishing fires.

I am, dear Sir,

Your obedient Servant,

HENRY TOMLISON,  
Engineer and Manager.

To Edmond Foster, Esq.,  
Town Clerk, Cambridge.

It will be seen, by the last Report, that the cost of a private supply would be for working about £120 per annum, with an extra charge for Night Service, besides the cost of erection of the Works £1040, the Interest on which at 7 per cent. only, independent of wear and tear, would be about £140 per annum. This is independent of the cost of a new Tower.

It appears to your Committee, to be beyond all question, that the best and most economical mode of obtaining the supply of Water for the Asylum will be from the Company, especially bearing in mind the probable increase of cost of fuel and other matters, and that the necessary Mains and Service

Pipes for the purpose are all laid to the Entrance Gates of the Asylum.

Guildhall,  
31 July, 1872.

DENNIS ADAMS, *Chairman*,  
T. B. BUMPSTED,  
ED. BELL,  
THOMAS GREEN,  
ROBT. ELLIS,  
THOS. REED.

Resolved, on the proposition of Mr. Adams, seconded by Mr. Ald. Naylor, that the Report of the General Purposes Committee, as to the supply of Water to the Fulbourn Asylum, be received and adopted, and that Copies thereof be forwarded by Mr. Town Clerk to the different Bodies interested in the Asylum.

EDMOND FOSTER,  
Town Clerk.

*Report of  
Commissioners  
referred to at  
pages 14 and 20.*

Cambridge County Asylum,  
19th August, 1872.

We have this day visited the Asylum, inspected it in all its departments, and, with the exception of two Women absent on trial, seen all the Patients.

The following statement shews the changes in the Patients since the visit of our Colleagues in June, 1871, and their present numbers:

	Male.	Female.	Total.
Admitted ... ..	40	38	78
Discharged ... ..	23	18	41
"    of whom Recovered	21	14	35
Died ... ..	16	15	31
Present Numbers on Books ...	125	148	273

All but 8 of the Patients (Males) are chargeable to Unions in the County, Borough, and Isle of Ely.

The 8 Men referred to are mostly from Thetford.

The Ordinary Weekly Rate for Maintenance is 10s. 4 $\frac{1}{4}$ d., that for Out-County Patients 14s.

The assigned causes of Death were as follows:—Gangrene of the Arm 2, Phthisis and other Disease of the Lungs 7,

General Paralysis and other Brain Disease 7, Exhaustion after Mania 3, Epilepsy 4, Diarrhœa 2, Senile Decay and other Ordinary Causes 6.

Post-mortem Examinations have been made in only 6 cases.

In reference to the case of one of Epileptics, who was found dead in bed last night a little before eleven o'clock, having been seen by the Night Attendant two hours previously, we recommend that the visits of the Night Attendant be made every hour, and that means be adopted to check those visits in the Male Division, as now in the Female; also that whenever practicable, Epileptics be placed in Dormitories under special supervision.

According to the Medical Journal, since the last visit, 8 Males and 5 Females have been secluded, the former altogether on 20, and the latter on 9 occasions, several once only. There has been no case of Restraint.

The sanitary state of the Institution is at present very good, the Patients registered as under Medical Treatment being only 5 on the Male Side, and 9 on the Female.

We found no Patient of either sex in bed.

We have much satisfaction in reporting most favorably of the personal condition and demeanour of the Patients generally, no one of whom at the time of our visit was under excitement.

Divine Service is, at present, performed in the room on the Male Side, used as the General Recreation Hall, but will very shortly be resumed in the Chapel, the restoration of which is nearly completed.

From 35 to 40 of the Male Patients are employed on the Farm and Land, 5 as Shoemakers, 7 as Tailors, 5 assisting the Painter and Engineer, and about 35 in the Wards. Of the Females, 55 are usually engaged in Needlework and Knitting, from 21 to 24 in the Laundry Department, 6 in the Kitchen and Offices, and 45 in the Wards.

The arrangements for out-door exercise, recreation and amusements, and otherwise generally, continue as heretofore.

We found the several Corridors and Day Rooms, the Dormitories and Single Sleeping Rooms, and the Beds and Bedding throughout the Asylum, clean and in the best order, and the Wards of both divisions are rendered cheerful by suitable decorations.

The airing Courts are very well kept and enlivened with flower beds.

Amongst the other Improvements since the last visit we have to enumerate the following :

The raising the roofs of the airing Court Rooms.

The painting and colouring many of the Wards.

The formation of a Water Closet in Female Ward, No. 1 (containing about 60 Patients) with three pans in lieu of one.

Proper Ventilation, where required, of soil pipes.

We desire to draw attention to the want of a Room for Needlewomen, and a suitable shop for Upholsterer, both of which are much needed.

The Ventilation of both the Laundry and Washhouse is defective, and we recommend as a means of improving it, louvres and skylights in the roofs.

In consequence of the fire which occurred in March last, and which, at a later hour, might have been attended with most disastrous consequences, we would urge upon the Committee the great importance of adopting all practicable means for the earliest extinction of fire. So far as we can ascertain no additional precautions have as yet been taken.

Although the fire, which took place during Dr. Bacon's absence in London, was providentially arrested without immediate injury to any Patient, the most serious results were at one time imminent, and the occurrence points with the greatest force to the great risk of leaving an Institution of this magnitude, even for the shortest period, without the presence of a Medical Officer.

We are informed that the Committee propose re-considering the question of appointing an Assistant Medical Officer when the intended alterations and additions shall have been effected. We much regret that the carrying out of this most important requirement should be made contingent upon the enlargement of the Asylum, more especially as there is at present little hope of this taking place, inasmuch as at the last Sessions, the scheme was withdrawn, money being voted only for the removal of the Boilers. So far therefore as respects the insufficient Day Room accommodation, the want of additional Water Closets and Bath Rooms, and also of a General Dining and Recreation Hall, all which are urgently required, the Asylum is in the same unsatisfactory state as has been noticed in previous Reports,

and is in our opinion inadequate and unfit for the proper accommodation of the Patients.

We are glad to learn that the wages of the attendants in both divisions have been recently raised, those on the Male Side now commencing at £25 advancing to £35, and those on the Female commencing at £15 and rising to £22.

We had no complaints made to us by any of the Patients, and we are of opinion that their treatment and the management of the Asylum continue to be quite satisfactory.

R. W. F. LUTWIDGE,  
JAMES WILKES,  
Commissioners in Lunacy.

Office of Commissioners in Lunacy,  
19, Whitehall Place, S.W.,  
August 23rd, 1872.

*Letter from  
Commissioner re-  
ferred to at pages  
at 14 and 20.*

SIR,

The attention of the Commissioners in Lunacy has been called to a passage in the Report made by two of their body upon a recent visit to Fulbourn Asylum, in which their colleagues remark, that the question of the appointment of an Assistant Medical Officer is to be reconsidered when the intended alterations and additions to the Asylum shall have been effected.

The Commissioners understand that the Cambridgeshire Quarter Sessions, held in April last, declined to adopt the amended plan for enlarging the Asylum, and the consideration of the subject was consequently to stand over until the next Sessions in July or August.

The Isle of Ely Quarter Sessions of February, 1871, (prior to the amendment of the plans) voted £1142 as their share of the Estimate as it then stood.

The Town Council of Cambridge had not, on the date of your Letter of the 30th ulto., voted their share of the expense of the removal of the Boilers (to guard against a second outbreak of fire), still less have they, so far as the Commissioners know, agreed to bear their proportion of the cost of the enlargement of the Asylum.

They have transmitted to this Office a copy of a report recently adopted by the Town Council, showing reasons for deriving the supply of water for the Asylum from the Cambridge Waterworks rather than from independent wells worked by steam power.



I am to request you to state, for the information of the Commissioners, whether the above statement of the position of the matter is substantially correct, and whether any and what steps have been taken since May last, or are about to be taken by the Committee of Visitors, in order to urge forward the undertaking of the enlargement and improvements in the Asylum, the early completion of which is on all grounds desirable.

The Commissioners do not quite understand whether the Boilers have been removed or not.

I am Sir,

Your obedient Servant,

CHAS. SPR. PERCEVAL.

Secretary.

Clement Francis, Esq.  
Cambridge.

*Report of Town  
Council referred  
to at page 15.*

Clement Francis, Esq.,  
Clerk of Fulbourn  
Lunatic Asylum,  
Cambridge.

28, Green Street,  
Cambridge,  
5th November, 1872.

DEAR SIR,

Herewith I send Copy Report made to the Town Council as to Water Supply, and shall be glad if you will acknowledge receipt.

Your's truly,

EDMOND FOSTER,  
Town Clerk.

Borough of Cambridge.

*A Council holden at the Guildhall there, on Thursday the twenty-fourth day of October, One thousand eight hundred and seventy-two. SAMUEL PEED, Esquire, 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 letters have been laid before them, of which the following are copies, as to the removal of the Boilers at the Fulbourn Asylum:

Cambridgeshire Asylum, Fulbourn,  
Near Cambridge,  
12th August, 1872.

SIR,

I am directed by the Chairman to forward you a copy of the opinion given by Mr. Rawlison, C.B., on the question of Mr. Pritchett's plan for removing the present Boilers.

In consequence of the absence of any Members of the Town Council of Cambridge, from the Meeting to-day, the Committee think it right that Mr. Rawlinson's letter should be forwarded without delay.

I am Sir,

Your obedient Servant,

HY. ARCHER,

Clerk of the Asylum.

To S. Peed, Esq., Mayor.

(COPY).

Cambridge County Lunatic Asylum,  
Fulbourn, 9th August, 1872.

Mr. Pritchett has shewn me Plans of proposed alterations in the Steam department.

He proposes to construct new Boiler House, Engine House, Tall Chimney, and Coal Store. To remove the existing Steam Boilers from the basement, where they are at present. This alteration and proposed arrangement will be a very great improvement. A source of danger will be removed from beneath the floor of the Asylum. The new arrangement will be more compact, and in working more economical. The Boiler Furnaces and Tall Chimney may be used to ventilate Sewer and Drains.

The Engineer should have a cottage residence provided so as to be near his work, and at all times be ready for any contingency.

I do not think it is adviseable to retain any Steam Boilers for circulating, or for any other purposes in the Basement as at present.

The entire Steam Boiler power for all purposes had better be in one house, so as to be under one man.

ROBERT RAWLINSON.

(COPY).

Cambridgeshire Asylum, Fulbourn,  
Near Cambridge,  
16th Sept. 1872.

GENTLEMEN,

The Board of Visitors of the Lunatic Asylum of this County, have had under their consideration the Report of the Town Council, dated the 8th ultimo, detailing the circumstances which have induced that Body to come to the conclusion that this Institution could be supplied by the Cambridge Water Works Company at a more reasonable rate than that at present incurred, and adding their opinion, that the cost would not exceed £145 per annum.

In reply, I am directed to state, that this Asylum is at present supplied with an unlimited amount of water for the mere cost of pumping, which item the Board of Visitors are informed, would probably be covered by the sum of £25 a-year, being the cost of fuel needed to get up the extra steam (to work the Engine) beyond what is required for the other places in the Institution.

From Mr. Tomlison's Report, it would appear that the Water supply as required for the Asylum would amount to £145 a year, taking the consumption at 36 gallons per diem a head, but the Board of Visitors have reason to believe, that the amount used would prove to be greater than that on which Mr. Tomlison's calculations are based.

Without in any way questioning the grounds upon which the Water Company have made their proposal for a supply of Water to this Establishment for £145 a-year, the Board of Visitors think it as well to observe, that the Essex Lunatic Asylum with nearly 800 Inmates obtains an unlimited supply for £200 a-year.

The Board of Visitors however, duly appreciated the advantage which might accrue to this Institution, by having it in their power to have recourse to the Water Company (whose Pipes are laid on in close proximity to the Asylum) in case of Fire, and they are willing to pay to the Water Company a small annual sum for such a boon.

(Signed)

C. R. PEMBERTON,  
On behalf of House Committee.

Offices, 4, Bene't Street,  
Cambridge,  
October 15th, 1872.

DEAR SIR,

In accordance with your request, my attention has been given to the communication from the Visitors of the Fulbourn Asylum to the Town Council, dated 16th September, 1872, and I have to remark upon the same as follows:

With reference to the sum of £25 a-year stated to be the probable cost of Fuel, it should be mentioned that no allowance is made for Interest on Capital, wear and tear, and renewals of the Machinery, and Boilers, Oil, Tallow, and Labour. In the 8th Annual Report of the Visitors, the cost is estimated at £120 per annum, and in the 9th Annual Report at only £40 per annum.

Although the number of Inmates is somewhat less now than at the times those Reports were made, it would appear that the increased cost of Fuel would more than make up for any diminution in the quantity pumped; and as the Visitors believe, the rate of consumption would now prove to be greater than formerly, it is difficult to understand why the cost should not be increased rather than reduced.

With reference to the cost of labour, I understand that since the Fire at the Asylum on the 12th March last, a night stoker has been employed, so as to be ready in case of Fire. In comparing the cost of the Asylum supply with the Water Works supply, the Interest on the additional storage considered necessary for proper protection in case of Fire should be taken into account, as the outlay would be unnecessary if Water from the Water Works were laid on.

With reference to the supply at the Essex Lunatic Asylum, I have ascertained that the arrangement has been entered into by the Lessee of the South Essex Water Works for a term of 3 years only. In reply to my enquiry, the Lessee informs me that he "has not made any particular calculation as to the consumption of Water." The South Essex Water Works Scale of Charges by Meter is higher than the Cambridge Water Company's, the rates for quantities under 100,000 gallons per quarter varying from 1s. 6d. to 2s. per 1000 gallons, as against 1s. 1d. to 1s. 6d. at Cam-

bridge. The South Essex Water Scale has no fixed rate for quantities above 100,000 gallons per quarter, but the Manager informs me, that at the Government Barracks supplied from the same Works, a much greater quantity of Water was used than at the Asylum, and they were supplied through Meter at 9*d.* per 1000 gallons.

With reference to the concluding paragraph of the Visitor's Report, I may state, that the Directors of the Water Company have recently offered to allow the Water from their works to be laid on to the Fulbourn Asylum at a minimum Rate of £12. 10*s.* per quarter, such sum to cover the use of 250,000 gallons of Water, any further quantity being paid for at the usual scale of charges by Meter.

I am, Dear Sir,

Yours sincerely,

HENRY TOMLISON,

Engineer and Manager.

To Edmond Foster, Esq.,  
Town Clerk, Cambridge.

As considerable difference of opinion exists on the subject, your Committee recommend that Mr. Rawlinson, the Engineer to the Lunacy Commissioners be requested to advise thereon.

Guildhall,  
18th October, 1872.

SAM. PEED, Mayor,  
DENNIS ADAMS,  
THOMAS REED,  
ROBERT ELLIS,  
CHARLES VINTER,  
WILLIAM BOND.

Resolved, on the proposition of Mr. Mayor, seconded by Mr. Basham, that the Report of the General Purpose Committee, as to supply of Water to Fulbourn Asylum, be received and adopted, and that Mr. Town Clerk forward Copies thereof to the several Clerks to the Visitors, and to the Lunacy Commissioners.

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10, Emmanuel Street,  
Cambridge,  
22 August, 1872.

*Mr. R. R. Rowe's  
Report as to  
Chapel referred  
to at page 8.*

*To the Visitors of the Cambridgeshire and Isle of Ely Lunatic  
Asylum.*

GENTLEMEN,

I beg to report, that, in compliance with your instructions, the works necessary for restoring the Asylum after the accidental fire there on the 12th day of March, 1872, have been well and soundly executed.

I prepared a detailed specification of the materials required, which Dr. Bacon took to Messrs. English, the merchants of Wisbech, and with the assistance of Mr. Miller, your foreman, he selected timber of good quality which was duly delivered at the Asylum.

The damaged stone was repaired by Mr. Hall, of East Road, Cambridge mason, the window glazing was restored by Mr. Constable of Hills Road Cambridge, stained glass manufacturer; all the other works were executed by your own workmen.

Where wooden floors and skirting in the Corridors abutted upon the Boiler flues, they have been removed, and fireproof materials substituted, so that there is no longer any danger from fire there.

The staining and varnishing of the Chapel Roof, and the painting of the walls, had better be delayed for a few months, until the plastering is dry and the usual efflorescence of salts of lime has taken place.

The Chapel is now in good and substantial repair, and may be used for Divine Service as formerly.

I frequently inspected the work during its progress, and am happy to add that the total cost will be under the amount paid by the Fire Insurance Offices, notwithstanding the workmen's strike and the increased cost of all building materials; it is fair to remark, that this result is in great measure due to the exertions made by Dr. Bacon in supervising the details of the work, and to the very efficient assistance rendered him by Mr. Miller.

I have the honour to be,

Gentlemen,

Your obedient Servant,

R. REYNOLDS ROWE.

Architect.

*Commissioners  
Letter, 23 April,  
1872, referred to  
at page 20.*

---

Office of Commissioners in Lunacy,  
19, Whitehall Place, S.W.,  
23rd April, 1872.

SIR,

With reference to previous recommendations made by this Board for the appointment of an Assistant Resident Medical Officer at Cambridgeshire Asylum, I am directed to ask whether (after the recent alarming fire there while the Superintendent was absent in London) the Committee of Visitors cannot relieve the Commissioners' anxiety by an assurance that the appointment of such an assistant will be no longer delayed.

I am Sir,

Your obedient Servant,  
THOS. MARTIN,  
Chief Clerk.

C. Francis, Fsq.

## CHAPLAIN'S REPORT.

---

Cambridgeshire Asylum,  
Fulbourn, near Cambridge,  
27th December, 1872.

GENTLEMEN,

I beg to lay before you my 15th Annual Report as Chaplain of this Asylum.

I have performed Divine Service in this Asylum every Sunday Morning during the past year, with one exception, viz. on the Sunday following the sad fire which occurred in the Chapel on the 12th of March.

Arrangements were shortly afterwards made for holding Divine Service in the Recreation Room, and I continued to have Service there until the restoration of the Chapel was completed.

In August, 1871, you were good enough to place some Books and Tracts at my disposal. Those that I have given away (chiefly to recovered Patients) have been very gratefully received; and I think these little gifts will help to encourage a spirit of thankfulness for the benefits and attentions received here.

The names of the Patients to whom I have given Books or Tracts have all been entered in my Diary.

At my weekly visits to the Female Wards, on Wednesday afternoons, I have always expounded



a portion of Scripture to some of the Patients assembled in the Infirmary. I believe that a few listen attentively and profitably.

Although I always visit the Male Wards on Wednesday afternoons as well as the Female Wards, it has never appeared to me practicable to hold a similar Lecture on that side of the House; all the intelligent Male Patients being usually employed in the shops, or on the Farm.

On Sundays the Chapel continues to be well attended. I hope that many of the Patients derive real benefit from their attendance.

Judging from their outward appearance I have every reason to believe that such is the case; for the behaviour of the Patients generally is very orderly, and the attention—even devout attention—which many of them appear to pay to the services, is very striking.

I beg to assure you that my best endeavours shall not be wanting to promote the spiritual welfare of the Inmates of this Asylum.

I am,

Gentlemen,

Your obedient servant,

W. S. PARISH,

Chaplain.

To the Committee of Visitors.

REPORT  
OF THE  
MEDICAL SUPERINTENDENT  
FOR THE YEAR 1872.

---

Fulbourn Asylum,  
January, 1873.

The Statistical Tables appended show that the results of the medical treatment during the past year have been as favourable as formerly.

The Recoveries have been at the rate of 42.3 per cent. on the Admissions.

The Deaths have been at the rate of 10.1 per cent. on the average number resident.

The Admissions have been 78, 33 of them having been Males and 45 Females.

Two of the deaths were due to suffocation in an Epileptic Fit and occurred at night while the Patients were in bed. In both cases the victims were men. No Inquest was held by the Coroner as the cause of death was clear.

Among those admitted were two Germans, one a young man who was supposed to have preferred England to the military service enforced in the Fatherland, and the other a girl from Hull who became chargeable to the Wisbech Union.

The general health of the Patients has been good.

Three accidents only, of any moment, have occurred to Patients during the year.

(1) A woman fell on her shoulder, in an epileptic fit, and broke her right clavicle. She made a good recovery.

(2) A lad was struck with the fist by another Patient, an epileptic, who was in a state of delirious excitement at the time, and his eye so injured by the blow as to destroy the sight permanently. The striker had nothing in his hand at the time, and the amount of injury done by such a blow is unusual.

(3) A violent epileptic threw himself suddenly on another Patient, without provocation, and bit a good-sized piece out of his ear and swallowed it. These instances are enough to show the perils to which those who pass their time in Asylums are subject, whether Patients or Attendants.

The employment of the Patients has been as follows :

**MEN.** About 30 to 35 on the Farm or Garden, 2 with Carpenter; 5 with Shoemaker; 6 with Tailor; 3 with Painter; some with Bricklayer, and others engaged in domestic work in the Wards, in Wood-cutting, Hair picking, and other casual Employment.

**WOMEN.** From 40 to 50 in Needlework, 23 in the Laundry, a few in the Kitchen and others in the Wards in Housework.

All are employed who are capable of work, and

the beneficial results of such a plan are evident in the health and improved habits of the Patients.

The Fire which broke out on the 12th of March last was the most important event of the year. Terrible as is a fire in any house, it becomes a much more fearful thing in an Asylum, but, as the Wards were not involved, the Patients were less incommoded than might have been expected. As this matter has been dealt with in your report it is useless for me to discuss it in detail.

An epidemic of what is known popularly as "Foot and Mouth Disease" prevailed in the county in the summer, and did not spare this Establishment, nearly all the Cows being affected by it. Though they all recovered, the quantity of milk was seriously reduced, and condensed milk preserved in tins was used to make up the deficiency in the ordinary supply. This proved very serviceable and was much liked. The affected cows did not yield the usual supply of milk for a long time afterwards. Nature also inflicted other losses on the productive power of our farm, by injuring the crop of Wheat, and also of Potatoes. The thunder-storms of July passing over certain portions of the wheat, so damaged it as to make the grain of far less value than it promised to be, and the same cause, probably, assisted by the unusual rainfall, induced disease in the potatoes. The latter crop was less in amount than usual, and nearly two-thirds of the potatoes were unfit for human consumption. Notwithstanding such

serious drawbacks the Farm accounts show a profit in money, and also a material surplus in the shape of a large drill and other implements bought in the year, and of sheep, 40 save one in number.

In addition to the usual Amusements for the Patients, some Theatrical Performances have been given two or three times in the Winter and with great success, the exertions of the Attendants and others, so willingly rendered in a good cause, having been quite appreciated.

I am glad to acknowledge the assistance I have had from the Clerk and Steward, Mr. Archer, and the energy and ability which he has displayed in his new office.

G. MACKENZIE BACON, M.D.

To the Committee of Visitors.

TABLE I.

*Showing the Admissions, Re-admissions, Discharges, and Deaths during the Year 1872.*

				Male.	Female.	Total.
In Asylum, 1st January, 1872 ... ..				125	136	261
				Male.	Female.	Total.
Admitted for the first time during the year 1872...				26	41	67
Re-admitted during the year ...				7	4	11
Total admitted ... ..				33	45	78
Total under care during the year ...				158	181	339
Discharged or Removed:						
				Male.	Female.	Total.
Recovered ...				15	18	33
Relieved ...				3	2	5
Not Improved ...				2	...	2
Died ... ..				13	14	27
Total discharged and died during the year				33	34	67
Remaining in the Asylum, Dec. 31st, 1872				125	147	272
Average number resident during the year				123	143	266

TABLE II.

*Showing the Admissions, Re-admissions, and Discharges, from the opening of the Asylum, to the present date, Dec. 31st, 1872.*

	Male.	Female.	Total.
Persons admitted during the period of 14 years and more, that is, since Nov. 2nd, 1858 ... ..	558	616	1174
Re-admissions ... ..	63	90	153
Total of Cases admitted .. ..	621	706	1327
Discharged or Removed :			
	Male.	Female.	Total.
Recovered ... ..	197	276	473
Relieved ... ..	64	64	128
Not Improved ... ..	25	31	56
Died ... ..	210	188	398
Total discharged and died during the 14 years and more ... ..	496	559	1055
Remaining, December 31st, 1872 ... ..	125	147	272
Average number resident during the 14 years ... ..	123	141	264





TABLE IV.

*Showing the History of the Annual Admissions since the opening of the Asylum with the Discharges and Deaths, and the Number of each Year remaining on the 31st December, 1872.*

YEAR.	Admitted.		Of each Year's Admissions Discharged and Died in 1872.						Total Discharged and Died of each Year's Admissions to 31st December, 1872.						Remaining of each Year's Admissions, 31 Dec., 1872.				
	New Cases.		Recovered.		Not Improved.		Died.		Recovered.		Not Improved.		Died.		Total.				
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.			
1858...	60	58	...	...	...	...	...	...	4	9	13	2	...	30	29	59	24	20	44
1859...	39	37	...	...	...	...	...	...	14	20	34	3	...	15	11	26	6	3	9
1860...	35	57	...	...	...	...	...	...	9	21	30	7	...	15	17	32	5	4	9
1861...	55	60	...	...	...	...	...	...	18	31	49	6	...	24	10	34	7	5	12
1862...	41	42	...	...	...	...	...	...	17	14	31	5	...	17	16	33	6	6	12
1863...	41	42	...	...	...	...	...	...	14	19	33	4	...	19	16	35	5	5	10
1864...	37	38	...	...	...	...	...	...	16	18	34	7	...	12	13	25	4	4	8
1865...	38	43	...	...	...	...	...	...	16	24	40	6	...	13	10	23	6	6	12
1866...	38	42	...	...	...	...	...	...	12	19	31	7	...	4	18	31	4	7	11
1867...	25	36	...	...	...	...	...	...	14	24	38	4	...	2	7	15	5	9	14
1868...	33	36	...	...	...	...	...	...	15	16	31	3	...	4	16	30	5	10	15
1869...	27	36	...	...	...	...	...	...	10	23	33	4	...	1	9	21	3	11	14
1870...	33	30	...	...	...	...	...	...	15	17	32	3	...	1	8	10	11	12	23
1871...	30	18	...	...	...	...	...	...	14	11	25	...	...	6	3	9	18	13	31
1872...	26	41	...	...	...	...	...	...	9	10	19	2	...	1	2	7	16	32	48
Total...	558	616	63	90	1327	1518	333	325	213	1427	197	276	473	64	128	398	125	147	272

TABLE V.

*Showing the Causes of Death during the Year 1872.*

CAUSE OF DEATH.	Male.	Female.	Total.
<i>Cerebral or Spinal Disease.</i>			
Apoplexy and Paralysis ... ..	...	...	...
Epilepsy and Convulsions ... ..	3	2	5
General Paralysis ... ..	1	1	2
Maniacal and Melancholic Exhaustion or Decay ... ..	2	1	3
Inflammation and other Diseases of the Brain, Softening, Tumours, &c. ...	1	1	2
<i>Thoracic Disease.</i>			
Inflammation of the Lungs, Pleuræ, and Bronchi ... ..	...	1	1
Pulmonary Consumption ... ..	1	2	3
Disease of the Heart ... ..	...	...	...
<i>Abdominal Disease.</i>			
Diarrhœa ... ..	1	2	3
Cancer of the Stomach... ..	...	1	1
„ „ Rectum ... ..	...	1	1
General Debility and Old Age ... ..	2	2	4
Decay of Dementia and Idiocy ... ..	2	...	2
TOTAL... ..	13	14	27

TABLE VI.

*Showing the length of Residence of those Discharged Recovered,  
and in those who have Died during the year 1872.*

LENGTH OF RESIDENCE.				RECOVERED.			DIED.		
				Male.	Female.	Total.	Male.	Female.	Total.
Under 1 month	...	...	2	...	2	2	...	2	
From 1 to 3 months	...	...	6	7	13	3	2	5	
" 3 " 6 "	...	...	5	3	8	1	...	1	
" 6 " 9 "	...	...	...	2	2	...	...	...	
" 9 " 12 "	...	...	...	2	2	...	1	1	
" 1 " 2 years	...	...	1	2	3	1	3	4	
" 2 " 3 "	...	...	...	1	1	1	...	1	
" 3 " 5 "	...	...	...	1	1	1	2	3	
" 5 " 7 "	...	...	1	...	1	2	...	2	
" 7 " 10 "	...	...	...	...	...	1	2	3	
" 10 " "	...	...	...	...	...	1	4	5	
TOTAL.....				15	18	33	13	14	27

**TABLE VII.**  
*Showing the Duration of the Disorder on Admissions, Discharges, and Deaths during the Year 1872.*

CLASS.	Duration of Disease on Admission in Four Classes.											
	The Admissions.			Recovered.			Removed (Relieved or otherwise.)			The Discharges.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<b>FIRST CLASS—</b> First attack, and within three months on admission .....	14	18	32	10	7	17	..	..	..	5	3	8
<b>SECOND CLASS—</b> First attack, above three and within twelve months on admission .....	5	6	11	..	1	1	1	..	1	2	2	4
<b>THIRD CLASS—</b> Not first attack, and within twelve months on admission ..	10	6	16	5	9	14	2	1	3	1	2	3
<b>FOURTH CLASS—</b> First attack or not, but of more than twelve months on admission .....	3	14	17	..	..	..	2	1	3	4	6	10
Not ascertained .....	1	1	2	..	1	1	..	..	..	1	1	2
<b>TOTAL.....</b>	<b>33</b>	<b>45</b>	<b>78</b>	<b>15</b>	<b>18</b>	<b>33</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>13</b>	<b>14</b>	<b>27</b>

TABLE VIII.

*Showing the Ages of the Admissions, Discharges, and Deaths during the Year 1872.*

AGES.	The Admissions.			The Discharges.						The Deaths.									
	Male.	Female.	Total.	Recovered.			Removed (Relieved or otherwise).			Male.	Female.	Total.							
				Male.	Female.	Total.	Male.	Female.	Total.										
From 5 to 10 years .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
" 10 15 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 15 20 "	4	1	5	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
" 20 30 "	5	11	16	5	4	9	3	..	..	..	..	..	..	..	..	..	..	..	..
" 30 40 "	6	12	18	2	7	9	2	..	..	..	..	..	..	..	..	..	..	..	..
" 40 50 "	2	8	10	2	5	7	..	..	..	..	..	..	..	..	..	..	..	..	..
" 50 60 "	6	5	11	2	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..
" 60 70 "	7	2	9	2	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..
" 70 80 "	3	5	8	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
" 80 90 "	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" 90 and upwards .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
" Not ascertained .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTAL.....	33	45	78	15	18	33	5	2	7	13	14	27							

TABLE IX.

*Condition as to Marriage in the Admissions, Discharges, and Deaths during the Year 1872.*

Condition in Reference to Marriage.	The Admissions.			The Discharges.				The Deaths.				
	Male.	Female.	Total.	Recovered.		Removed (Relieved or otherwise).		Male.	Female.	Total.		
				Male.	Female.	Male.	Female.				Total.	
Single .....	14	21	35	7	6	13	4	1	5	4	5	9
Married .....	15	15	30	7	7	14	..	1	1	2	8	14
Widowed .....	4	9	13	1	5	6	1	..	1	1	1	4
Not ascertained .....	..	..	..	..	..	..	..	..	..	..	..	..
TOTAL .....	33	45	78	15	18	33	5	2	7	13	14	27

TABLE X.

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

	ADMISSIONS.			DEATHS.		
	Male.	Female.	Total.	Male.	Female.	Total.
January	1	2	3	1	1	2
February	3	1	4	2	...	2
March	3	3	6	1	1	2
April	3	3	6	1	...	1
May	1	4	5	1	2	3
June	3	4	7	...	1	1
July	4	8	12	1	2	3
August	3	3	6	1	...	1
September	1	4	5	1	...	1
October	3	5	8	1	3	4
November	4	3	7	1	3	4
December	4	5	9	2	1	3
TOTAL.....	33	45	78	13	14	27

TABLE XI.

*Showing the Form of Mental Disorder in those Admitted.*

	Male.	Female.	Total.
Mania ...	20	30	50
„ Acute ...	1	...	1
„ a Potû ...	1	...	1
„ Epileptic ...	1	...	1
Dementia ...	2	1	3
„ Acute ...	1	1	2
„ Senile ...	2	2	4
„ Epileptic ...	1	1	2
Melancholia ...	2	2	4
General Paralysis ...	1	...	1
Imbecility ...	1	7	8
Idiocy ...	...	1	1
TOTAL.....	33	45	78



REPORT  
OF THE  
COMMISSIONERS OF THE  
LAND OFFICE  
FOR THE YEAR 1881

LANDS BELONGING TO THE CROWN		LANDS BELONGING TO THE STATE		LANDS BELONGING TO THE LOCAL AUTHORITIES	
ACRES	VALUATION	ACRES	VALUATION	ACRES	VALUATION
1,234,567	£1,234,567	567,890	£567,890	123,456	£123,456
2,345,678	£2,345,678	678,901	£678,901	234,567	£234,567
3,456,789	£3,456,789	789,012	£789,012	345,678	£345,678
4,567,890	£4,567,890	890,123	£890,123	456,789	£456,789
5,678,901	£5,678,901	901,234	£901,234	567,890	£567,890
6,789,012	£6,789,012	012,345	£012,345	678,901	£678,901
7,890,123	£7,890,123	123,456	£123,456	789,012	£789,012
8,901,234	£8,901,234	234,567	£234,567	890,123	£890,123
9,012,345	£9,012,345	345,678	£345,678	901,234	£901,234
10,123,456	£10,123,456	456,789	£456,789	012,345	£012,345

TOTAL

ACRES: 45,678,901      VALUATION: £45,678,901

ACRES: 12,345,678      VALUATION: £12,345,678

ACRES: 3,456,789      VALUATION: £3,456,789

TOTAL

ACRES: 61,481,168      VALUATION: £61,481,168

APPENDIX.

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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.

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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 24th, 1873.*

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

*Account current for the Year ending December 31st, 1872.*

	£.	s.	d.	£.	s.	d.
1872. Jan. 1. To Balance of Cash this day...						
To Cash received from Unions... to which Asylum belongs...	7280	10	4	885	8	2½
To Cash received for Maintenance, &c., of Out-County Paupers .....	143	2	0			
To Cash received for produce sold .....	457	12	3			
			7881			4 7
To Cash received from Treasurers of the County, Isle, and Borough, on Building Account.....	1014	1	9			
To Interest on Invested Account .....	17	19	5			
			1032			1 2
To Cash received from Fire Insurance Companies .....			690			10 0
			£10489			3 11½
Dec. 31. By Cash paid on Maintenance Account:—						
Salaries and Wages .....	1805	0	7			
Provisions ... ..	3304	18	2½			
Necessaries .....	765	2	0			
Surgery .....	43	5	1			
Wine and Spirits.....	146	3	3			
Clothing .....	488	6	10½			
Furniture and Bedding .....	383	14	6			
Garden and Farm .....	698	17	7			
Repairs.....	148	2	10			
Miscellaneous .....	300	17	7½			
			8084			8 6½
Repairs .....	1151	16	1			
Insurance.....	32	1	6			
			1183			17 7
Restoration of Chapel .....			535			18 8
Balance in hands of Treasurer	594	0	10			
Ditto in hands of Steward.	90	18	4			
			684			19 2
			£10489			3 11½

Submitted to the Committee of Visitors, 24th February, 1873.

C. R. PEMBERTON, CHAIRMAN.

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

Balance Sheet for the Year ending December 31st, 1872.

1872.		1872.	
Dec. 31.		Dec. 31.	
	£. s. d.	£. s. d.	£. s. d.
To Balance of Cash in Treasurer's hands .....	594 0 10	By amount due to Tradesmen &c., on Maintenance Account	1478 12 1
To Balance of Cash in Steward's hands .....	90 18 4	By amount due to Tradesmen on account of repairs, &c. ...	375 7 10
To amount invested in Exchequer Bills .....	684 19 2	By amount due to Tradesmen on account of restoration of Chapel .....	46 3 6
To amount due for Maintenance of In-County Patients.....	1956 19 7		1900 3 5
To amount due for Maintenance of Out-County Patients.....	27 12 0		
To amount due from the Treasurer of the County of Cambridge for repairs, &c....	228 0 7		
To amount due from the Treasurer of the Isle of Ely for ditto .....	249 14 4		
To amount due from the Treasurer of the Borough of Cambridge for ditto .....	107 0 4		
To cash received for produce sold	584 15 3	Balance .....	2113 3 5
Examined and found correct, 24th Feb. 1873:	50 2 0		£4013 6 10
	£1013 6 10		

H. Y. ARCHER,  
Clerk and Steward.

C. R. PEMBERTON, }  
THEODORE V. WEBB, } Auditors.

CAMBRIDGESHIRE, ISLE OF ELY, AND  
GARDEN AND

*Profit and Loss for the Year*

1872. <i>Dr.</i>	£.	s.	d.	£.	s.	d.
<i>Dec. 31.</i> To Cash paid:						
Stock: 50 Pigs ... ..	56	10	0			
40 Lambs ... ..	100	10	0			
				157	0	0
Bran and Pollard ... ..	2	10	8			
20 Coombs Oats ... ..	13	0	0			
2 tons Linseed Cake ... ..	22	5	0			
1 ton Agricultural Salt ... ..	1	13	6			
1 ton Cotton Cake ... ..	6	10	0			
				45	19	2
Machine, Horse and Drill Hire ... ..				19	19	0
Seeds, &c.: 4 Quarters Oats ... ..	4	4	0			
5 Quarters Barley ... ..	9	0	0			
30½ Bushels Wheat ... ..	10	18	9			
Garden and Small Seeds ... ..	6	16	6			
3 tons Potatoes ... ..	12	0	0			
Artificial Manure ... ..	6	7	2			
Shrubs ... ..	3	2	6			
				52	8	11
Saddlery ... ..	5	2	6			
Farrier ... ..	2	2	0			
Implements and Tools ... ..	75	19	10			
Grinding Corn for Stock ... ..	4	9	7			
Miscellaneous ... ..	40	6	0			
				127	19	11
Wages: Farm Bailiff and Lodge Keeper ... ..	60	17	0			
Farm Laborers ... ..	162	0	4			
				222	17	4
Rent: 27A. 2R. 14P. at 50s. (Less Property Tax) ... ..	66	12	8			
40 Acres own Land, estimated at 40s. ... ..	80	0	0			
				146	12	8
Straw ... ..	31	10	0			
Shingle ... ..	5	0	0			
Pig's Wash from the House ... ..	10	0	0			
				46	10	0
Insurance ... ..				2	5	0
Stock Valuation ... ..				815	3	9
Balance ... ..				78	18	10½
				£1715	14	7½

BOROUGH OF CAMBRIDGE LUNATIC ASYLUM.  
FARM ACCOUNT.

ending 31st December, 1872.

1872. Cr.	£.	s.	d.	£.	s.	d.
Dec. 31. Cash received for Produce sold:						
3 Calves ... ..	5	15	0			
67 $\frac{1}{2}$ Quarters Wheat ... ..	194	5	6			
27 $\frac{3}{4}$ Coombs Sainfoin .. ..	19	11	0			
Pork sold .. ..	71	10	9			
Dr. Bacon ... ..	3	6	10 $\frac{1}{2}$			
Vegetables and Fruit ... ..	14	4	11 $\frac{1}{2}$			
Incidentals ... ..	22	16	7			
				331	10	8
Produce supplied to the House:						
4409 $\frac{1}{2}$ Gallons Milk, at 10d. ...	183	14	7			
2044 Eggs at 1s. 3d. per score ...	6	7	9			
372 st. 9 lb. Pork, at 7s. ...	130	8	6			
34831 lbs. Potatoes, at $\frac{1}{2}$ d. ...	72	11	3 $\frac{1}{2}$			
Vegetables, Herbs, Poultry, &c. ...	58	16	10			
40 Quarters Barley, at 45s. ...	90	0	0			
				541	18	11 $\frac{1}{2}$
Stock Valuation, December 31st, 1872.				842	5	0

£1715 14 7 $\frac{1}{2}$

H. V. ARCHER, Clerk and Steward.

**CAMBRIDGESHIRE, ISLE OF ELY, AND BOROUGH OF CAMBRIDGE LUNATIC ASYLUM.**  
*Estimated Value of Stock on Farm, December 31st, 1872, compared with preceding Year.*

	£.	s.	d.	£.	s.	d.
<b>1871.</b>						
<i>Dec 31.</i> By Stock on hand this day:						
3 Horses .....	60	0	0			
7 Cows .....	140	0	0			
37 Pigs .....	64	4	0			
46 Fowls, at 1s. 6d. ....	3	9	0	267	13	0
20 Tons White Carrots, at 20s. ....	20	0	0			
12 Tons Wurzel, at 12s. ....	7	4	0			
500 Bushels Potatoes, at 2s. 6d. ....	62	10	0			
9 Bushels Beetroot, at 1s. ....	0	9	0			
300 Bushels Red Carrots, at 1s. ....	15	0	0			
300 Bushels Parsnips, at 1s. ....	15	0	0			
8 Tons old Hay, at 100s. ....	40	0	0			
18 Tons new Hay, at 100s. ....	90	0	0			
5 Tons Straw, at 20s. ....	5	0	0			
13½ Quarters Oats, at 25s. ....	16	17	6			
17½ Quarters Peas, at 40s. ....	35	0	0			
22½ Quarters Sainfoin, at 44s. ....	49	10	0			
1 Wheat Stack not Threshed:						
£. s. d.						
56 Quarters Wheat, at 54s. ....	151	4	0			
30 Tons Straw, at 25s. ....	37	10	0	188	14	0
18½ Bushels Onions, at 2s. 6d. ....	2	6	3	547	10	9
Balance increase of Stock .....				27	1	3
				£842	5	0
<b>1872.</b>						
<i>Dec 31.</i> By Stock on hand this day:						
3 Horses .....	90	0	0			
7 Cows .....	147	0	0			
1 Calf .....	10	0	0			
39 Sheep .....	122	11	0			
20 Pigs .....	45	0	0			
12 Ducks, at 2s. ....	1	4	0			
47 Fowls, at 1s. 6d. ....	3	10	6	419	5	6
301 Bushels Potatoes, at 2s. 6d. ....	37	12	6			
10 Tons Wurzel, 15s. ....	7	10	0			
45 Tons White Carrots, at 20s. ....	45	0	0			
400 Bushels Red Carrots, at 1s. ....	20	0	0			
187 Bushels Parsnips, at 1s. ....	9	7	0			
58 Bushels Onions, at 2s. 6d. ....	7	5	0			
30 Tons Hay, at 100s. ....	150	0	0			
19 Quarters Oats, at 25s. ....	23	15	0			
5 Quarters Peas, at 40s. ....	10	0	0			
40 Bushels Sainfoin, at 5s. ....	10	0	0			
2 Tons Straw, at 25s. ....	2	10	0	100	0	0
1 Wheat Stack not Threshed:						
£. s. d.						
30 Quarters Wheat at 50s. ....	75	0	0	422	19	6
20 Tons Straw, ....	25	0	0			
				£842	5	0

HY. ARCHER, Clerk and Steward.

# ORDINARY DIET TABLE.

	DINNER.												SUPPER.															
	BREAKFAST.						FEMALES.						Males.		Females.													
	Males.			Females.			Males.			Females.			Males.		Females.													
Sunday .....	pts.	ozs.	pts.	ozs.	ozs.	ozs.	pts.	ozs.	ozs.	pts.	ozs.	ozs.	pts.	ozs.	pts.	ozs.	pts.	ozs.	pts.									
Monday ...	1	6	1	5	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...									
Tuesday ...	1	6	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...									
Wednesday ..	1	6	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...									
Thursday ...	1	6	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...									
Friday .....	1	6	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...									
Saturday ...	1	6	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...									
Total...	7	42	7	35	14	7	8	16	8	12	12	48	9	4½	12	6	8	12	12	8	39	9	3½	42	3½	35	3½	7

N.B.—Extra Workers, 3 ozs. Bread and 1 oz. Cheese daily. Cocoa in the following proportions for one pint: ½ oz. Cocoa, ¾ oz. Treacle, and ¼ pint of Milk. Tobacco and snuff given as indulgences to the working patients. Weekly quantity of Meat consumed by each patient, uncooked and free from bone: Males, 37 oz.; Females, 34 oz.

HY. ARCHER, Clerk and Steward.

## ANNUAL SALARIES OF OFFICERS.

Dr. Bacon, Medical Superintendent	...	£500*		Mr. C. Francis, Clerk to the Visitors	...	£100
The Rev. W. S. Parish, Chaplain	...	110		Mr. H. Archer, Clerk and Steward	...	100†

\* With furnished Residence, Coals, Gas, &c. † With Board, Lodging, Washing, &c.



# 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, 1872.*

NAME OF UNION, &c.	In Cambs. Asylum.		In other Asylums.		Total in Asylums.		In Work-houses.		With Friends Elsewhere.		Total Lunatics and Idiots.		Average Cost per Head per Week.					Total Lunatics and Idiots. in the Years.					Increase since 1871.	Decrease since 1871.		
	Males.	Females.	Males.	Females.	Males and Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Under 2s. 6d.	2s. 6d. and under 5s.	5s. and under 7s. 6d.	7s. 6d. and under 12s.	12s. and under 16s.	1872.	1871.	1870.	1869.				
COUNTY.	Caxton and Arrington...	7	6	13	...	13	2	4	6	2	6	8	11	16	27	3	11	13	...	27	26	27	25	1	...	
	Chesterton.....	10	19	29	...	29	3	4	7	10	7	17	23	30	53	9	15	29	...	53	49	49	47	4	...	
	Linton.....	9	12	21	1	22	2	...	2	5	6	11	16	19	35	7	6	22	...	35	39	37	38	...	...	
	Newmarket.....	11	17	28	...	28	...	...	...	...	11	16	16	16	28	6	10	28	...	44	49	54	52	...	...	
	Royston.....	8	6	14	1	15	1	2	3	3	2	1	3	12	9	21	1	5	15	...	21	22	20	19	...	...
	St. Ives.....	3	3	6	...	6	...	...	...	...	2	2	2	3	5	8	1	1	6	...	8	10	9	9	...	...
County.....	1	...	1	...	1	...	...	...	...	...	...	...	1	...	1	...	1	...	...	1	1	2	...	...	...	
	49	63	112	1	114	8	10	18	24	33	57	82	107	189	27	48	114	...	189	196	198	190	5	12	...	
ISLE.	Ely.....	14	15	29	...	29	3	7	10	2	4	6	19	26	45	1	15	29	...	45	45	48	52	...	...	
	North Witchford.....	12	12	24	...	24	9	9	18	3	2	5	24	23	47	...	23	24	...	47	43	45	35	4	...	
	Peterborough.....	4	...	4	...	4	...	2	2	...	...	...	4	2	6	...	2	4	...	6	5	5	5	1	...	
	Whittlesey.....	1	8	9	...	9	...	3	3	1	...	1	2	11	13	...	4	9	...	13	12	10	11	1	...	
	Wisbech.....	12	15	27	...	27	2	5	7	...	1	1	14	21	35	...	8	27	...	35	38	41	40	...	3	
	Isle.....	3	...	3	...	3	...	...	...	...	...	...	3	...	3	...	...	3	...	...	3	3	...	...	...	
	46	50	96	...	96	14	26	40	6	7	13	66	88	149	1	52	96	...	149	146	152	143	6	3	...	
BOROUGH.	Cambridge.....	27	34	61	...	61	7	2	9	3	8	11	37	44	81	2	18	61	...	81	77	73	66	4	...	
	Thetford (Norfolk).....	122	147	269	1	271	29	38	67	33	48	81	185	234	419	30	118	271	...	419	419	423	399	15	15	
	Bury St. Edmund's.....	2	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
In Asylum.....	125	147	272	1	273	29	38	67	33	48	81	185	234	419	30	118	271	...	419	419	423	399	15	15		
Net Decrease.....																						0				

CLEMENT FRANCIS, Clerk to the Committee of Visitors.

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

Income and Expenditure from the 1<sup>st</sup> day of January to the 31<sup>st</sup> day of December, 1872.

## FROM WEEKLY RATE.

### I N C O M E.

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

HEADS OF INCOME.	QUARTERS ENDING.												TOTAL.	HEADS OF EXPENDITURE.	QUARTERS ENDING.												TOTAL.													
	March 31 <sup>st</sup> .				June 30 <sup>th</sup> .				Sept. 30 <sup>th</sup> .						Dec. 31 <sup>st</sup> .				March 31 <sup>st</sup> .				June 30 <sup>th</sup> .					Sept. 30 <sup>th</sup> .				Dec. 31 <sup>st</sup> .								
	L.	s.	d.		L.	s.	d.		L.	s.	d.				L.	s.	d.		L.	s.	d.		L.	s.	d.			L.	s.	d.		L.	s.	d.		L.	s.	d.		
From Unions to which Asylum belongs	1754	2		1887	19	4		1958	3	9		1956	19	7		7657	4	8		By Salaries & Wages	466	9	4		459	6	8		435	18	7		480		8		1841	15	3	
From Out-County Unions	36			33	16			30	10			27	12			127	18			Provisions	800	1	2 1/2		738	3	11 1/2		966	7	2		789		3 1/2		3293	12	7 1/2	
	1790	2		1921	15	4		1988	13	9		1984	11	7		7685	2	8		Necessaries	214	10	10		154	3	5		180	9	3		307	5			856	8	6	
Excess of Income over Expenditure derived from Out-County Paupers carried to Building Account	9			7	11	8		5	12	7		5	8	8		27	12	11		Surgery	9	2	8		7	12	3		12	19	3		11	1	6		40	15	8	
Balance from Dec. 31 <sup>st</sup> 1871	1781	2		1914	3	8		1983	1	2		1979	2	11						Wine & Spirits	41	16			40	5			29	4	3		44	18			156	3	3	
<b>Total</b>													<b>£ 9347</b>	<b>2</b>	<b>3 1/2</b>													<b>£ 9347</b>	<b>2</b>	<b>3 1/2</b>										

## FROM COUNTY RATE AND BUILDING & REPAIR FUND.

### I N C O M E.

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

HEADS OF INCOME.	QUARTERS ENDING.												TOTAL.	HEADS OF EXPENDITURE.	QUARTERS ENDING.												TOTAL.																				
	March 31 <sup>st</sup> .				June 30 <sup>th</sup> .				Sept. 30 <sup>th</sup> .						Dec. 31 <sup>st</sup> .				March 31 <sup>st</sup> .				June 30 <sup>th</sup> .					Sept. 30 <sup>th</sup> .				Dec. 31 <sup>st</sup> .															
	L.	s.	d.		L.	s.	d.		L.	s.	d.				L.	s.	d.		L.	s.	d.		L.	s.	d.			L.	s.	d.		L.	s.	d.		L.	s.	d.									
From County Treasurer for Repairs &c. by Order of Committee	192	5	2	115	13	9		93		8		228		7		629		2		By Repairs, &c.	405	17	8		244	4	7		164	6	6		481	7	11		1295	16	8								
From Isle Treasurer for D <sup>o</sup> .	149	10	9	89	19	7		72	7	2		177	7	2		489	4	8		Insurance									32	1	6						32	1	6								
From Borough Treasurer for D <sup>o</sup> D <sup>o</sup>	64	1	9	38	11	3		31		2		76		2		209	13	4		Restoration of Chapel	12	7	6		246	15	10		276	9			16	9	10		582	2	2								
Interest on Exchequer Bonds				8	10	7						9	8	10		17	19	5		By Balance Dec. 31 <sup>st</sup> 1872	418	5	2		491		5		472	17			527	17	9						1910		4				
From Fire Assurance Companies for Damages to Chapel by Fire	655	10						35								690	10																							1153	5	11 1/2					
Excess of Income over Expenditure derived from Maintenance of Out-County Paupers	9			7	11	8		5	12	7		5	8	8		27	12	11																													
Balance from Dec. 31 <sup>st</sup> 1871	1070	7	8	260	6	10		237		7		496	5	5						2064		6																									
<b>Total</b>													<b>£ 3063</b>	<b>6</b>	<b>3 1/2</b>													<b>£ 3063</b>	<b>6</b>	<b>3 1/2</b>																	

Aggregate days of Residence of Patients ... 97,439  
 Average daily number Resident ... 266 1/2  
 Average daily number of Attendants Resident } 33 1/2

Submitted to the Committee of Visitors,  
 the 24<sup>th</sup> day of February 1873.

*W. Pemberton*  
 Chairman.

Average Weekly Expenditure for the Year ending  
 December 31<sup>st</sup> 1872.

	£	s.	d.	£	s.	d.
Salaries & Wages	1841	15	3	2	7 1/2	1891
Provisions	3293	12	7 1/2	4	8 1/2	14549
Necessaries	856	8	6	1	2 1/2	6275
Surgery	40	15	8			79186
Wine & Spirits	156	3	3			75022
Clothing	422	19	5 1/2			7416647
Furniture & Bedding	368	19	5			6143509
Garden & Farm	731	11	11	1		44374
Repairs	146	18	5			2112918
Miscellaneous	299	14	6 1/2			565386
	8158	19	1/2			118167440
Less Profit on Farm %	405	17	8			6196683
<b>Total</b>	<b>£ 7753</b>	<b>1</b>	<b>4 1/2</b>	<b>11</b>	<b>1 1/2</b>	<b>68196</b>

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

Average Weekly Rate of Charge to Out-County Unions ... 14

Income on Maintenance Account ... 7637 9 9  
 Expenditure D<sup>o</sup> D<sup>o</sup> ... 7753 1 4 1/2

Excess of Expenditure over Income on Maintenance Account ... 95 11 7 1/2

*J. Archer*  
 Clerk & Steward.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

RESEARCH REPORT

NO. 100

BY

J. R. OPPENHEIMER

AND

H. S. GARDNER

CHICAGO, ILLINOIS

1947

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